
KINGTONY
CATALOGUE
2020/21
Quality
Innovation
Health
Enjoyment



Tools Storage & Tools System Sets

Hand Sockets & Accessories

Impact Sockets & Accessories

Pneumatic Tools

Torque Control & Multipliers

Wrenches

Pliers

Pipe Tools

Screwdrivers & L-wrenches & Bits

VDE Insulated Tools

Electronic & Electrical

Hammers & Striking Tools

Workshop Tools

Lighting

Automotive Tools

ST Series Tools

16
118
202
234
262
286
318
330
340
382
392
420
428
446
456
554



KING TONY

Company Profile

In 1976, amidst a lack of capital and technology in Taiwan, Mr. Charles Lai & Mr. Tony Lin founded a hot forge factory specializing in making hand tools for the DIY market. Eight years later, many other companies had followed their lead and although the market grew quickly, quality suffered. With pricing, costs and quality nearing a state of chaos it became clear to KING TONY's founders that they needed to seek a new direction.

Mr. Lai & Mr. Lin found their new direction; making professional quality hand tools built to compete with the best in the world. They set their standards high and in the years since, have consistently exceeded the requirements of the world's toughest standards. KING TONY tools don't just meet the DIN (German) standard and the ANSI (U.S.A.) standard, they routinely exceed them. In fact, we test every torque make to a standard 30% higher than that prescribed by DIN and our pneumatic impact tools to a 50% higher standard. That's true commitment to quality!

To further underscore our determination to compete with the best in the world we have achieved certification with ISO on three separate standards. First, in January 1998, ISO 9002, followed by ISO 9001 and more recently we have qualified for the environmental safety standard, ISO 14001. We believe that is our responsibility to the world and we will always dedicate to reduce the harm to the earth during our manufacturing process in the future.

You might sense that King Tony Tools is about much more than a world-class tool. The ideals of KING TONY's management are fulfilled daily by our hundreds of employee's at our branches and offices around the world. You will find KING TONY Tools and its branches in: France, Spain, Belgium, Mexico, China. Each of our local branch offices is tasked with insuring that you, our customer, are happy not just with our quality but with the experience of being a KING TONY customer.



1984
Hot
Forge



1989
Tougher
Design



1990
Color Code
Stripe



2020
World
Distribution



2015
Trustworthy
Brand

VISION

KING TONY engaged in supplying professional tools for more than 35 years, we always focus on supplying quality tools to our customers to make sure the quality satisfies the working requirement. To finish a professional job is a dream and target for every mechanic, and to finish it more easily and perfectly is even a better achievement. Thus, every mechanic can really enjoy their work. From this motive we have a goal that is to make every mechanic know, when they use KING TONY professional tools, they will quickly, perfectly and easily finish their work. They may feel more of confidence and enjoy what they do. To achieve this goal, we will continue to supply tools that is easy to take, easy to use, save time and strength. Our future vision is to tell every mechanic who uses KING TONY tools "enjoy your work", which contains the meaning to use good tools to do good jobs and have real enjoyment in the process. Why not find your enjoyment from your job, take KING TONY professional tools and you will start to experience it.



1993
Super
Standard



1996
Close
Tolerance



1999
VDE
Safety
Grip



2007
Masters
of Torque



2012
Dual
Colors
Stripe

BE INSPIRED & MILESTONES

KING TONY

Enjoy your work



Distribution

Branches :

- **France :**
  3 Rue des imprimeurs, ZI République Nord, 86000 Poitiers, France
- **Spain :**
  Calle de la Alcarria, 7 Bajo 4, 28823 Coslada
- **Belgium :**
  16 Boulevard Paepsem, 1070 Anderlecht Belgium
- **Mexico :**
  Av San Jose No. 15-A,Col. , Zona Industrial La Presa, C.P. 54187 Tiainepantia, Edo. De Mexico
- **China :**
  No. 3 Building,No.285 Jingmao Rd., Industrial Park of Suzhou, Suzhou, Jiangsu, China



TAIWAN SUPERIOR BRANDS



NATIONAL BRAND YUSHAN AWARD



BUSINESS MERIT AWARD NATIONAL QUALITY AWARD

ISO 14001



Create to improve, protect where we live, balance environment and human.



TAIWAN EXCELLENCE

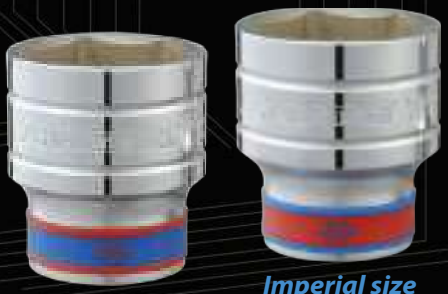


DESIGN AWARD 2016

Intellectual Property

New Registered Trademark

Please recognize KING TONY's official registered trademark.



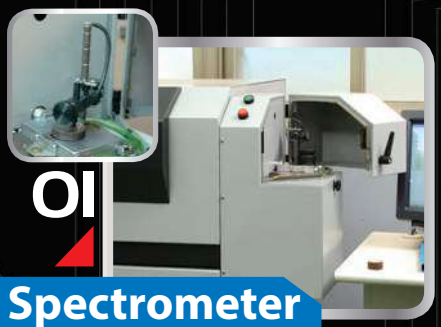
Metric size

Imperial size



Trademark Worldwide Registration

Inspection Equipment



01

Spectrometer

Metal material elements analysis



02

Gauge measurement

Measure the screw tap to meet LEVEL I tolerance of DIN standard



03

Rockwell hardness tester

Test the product's hardness to meet KING TONY quality standard



06

Torque tester

Fracture test to check the max. torque to ensure excess of DIN standard



07

Precise cutting machine

Cut for a smooth section



11

Environmental simulation test of temperature & humidity

Simulate temperature from 70 °C ~ - 20°C to test product reaction and durability while obvious change of temperature



12

Tension tester

Test pulling force of product especially for joint workpiece according to DIN standard



13

Hammering tester

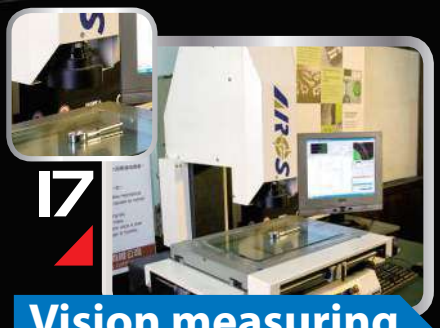
Test the lifetime of striking hammer and security of the joint of hammer& wooden shaft



16

Micro- torque tester

Test products with smaller torque such as bits for their durability



17

Vision measuring machine

Measure parts for difficult angle or in the narrow space



04

Salt-water spray tester

48 HRs environmental simulation test to check product's durability from being rusty



05

Thickness test of plating

Apply special chemical to check thickness of plating and ensure it reaches KING TONY 's standard



08

Mounting press machine

In order to fix tiny and multilateral workpiece



09

Grinding & polishing machine

Make surface of workpiece smoother and clearer for further observation



10

Micro- hardness tester

Analyze the change of metallography after heat treatment and the difference of hardness between surface and central location



14

Pliers class measure tester

Test the cutting force and durability



15

Torque wrench tester

Follow the DIN ISO & ASME standard to test torque tolerance by 3 points of the lowest point, 60%, and 100% of max. scale



18

Carton busting strength tester

Test the strength of carton in order to assure good packing quality



19

Insulated tester

Ensure products are insulated under the voltage 1000V

Production Process



01

Hot forge

Heat to take shape and complete fibers to improve durability



02

Lathing

Control sockets external diameter and the roundness



03

Drilling

Drilling pin hole on the groove to offer socket safety operation



06

Punching & Broaching

Make accurate dimension for the spanner



07

Marking

Stamp dimensions, material and manufacturer



11

Grinding

Remove oxide layer and ensure sockets roundness for follow process precision



12

Plating

Nickel-chrome plated to protect product from corrosion and improve finish



13

Phosphate sunk

Increase impact sockets wear resistant and prevent corrosion to improve the durability



04

Machining (CNC)

Finish complicated process to ensure the precision of product



05

De-burring

Remove the burrs and chamfer on square hole



08

Heat treatment

Enhance product performance to achieve max. hardness



09

Vibrating

Remove oxide layer and burrs for surface coating



10

Sand blast

Remove oxide layer and burrs for surface coating



14

Silk printing

The unique bi-colors silk printing design and is easy to distinguish metric and imperial dimension



15

Rubber stripe assembly

The unique bi-colors rubber stripe design and is easy to distinguish metric and imperial dimension


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PAAOMEKC
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Exhibitions





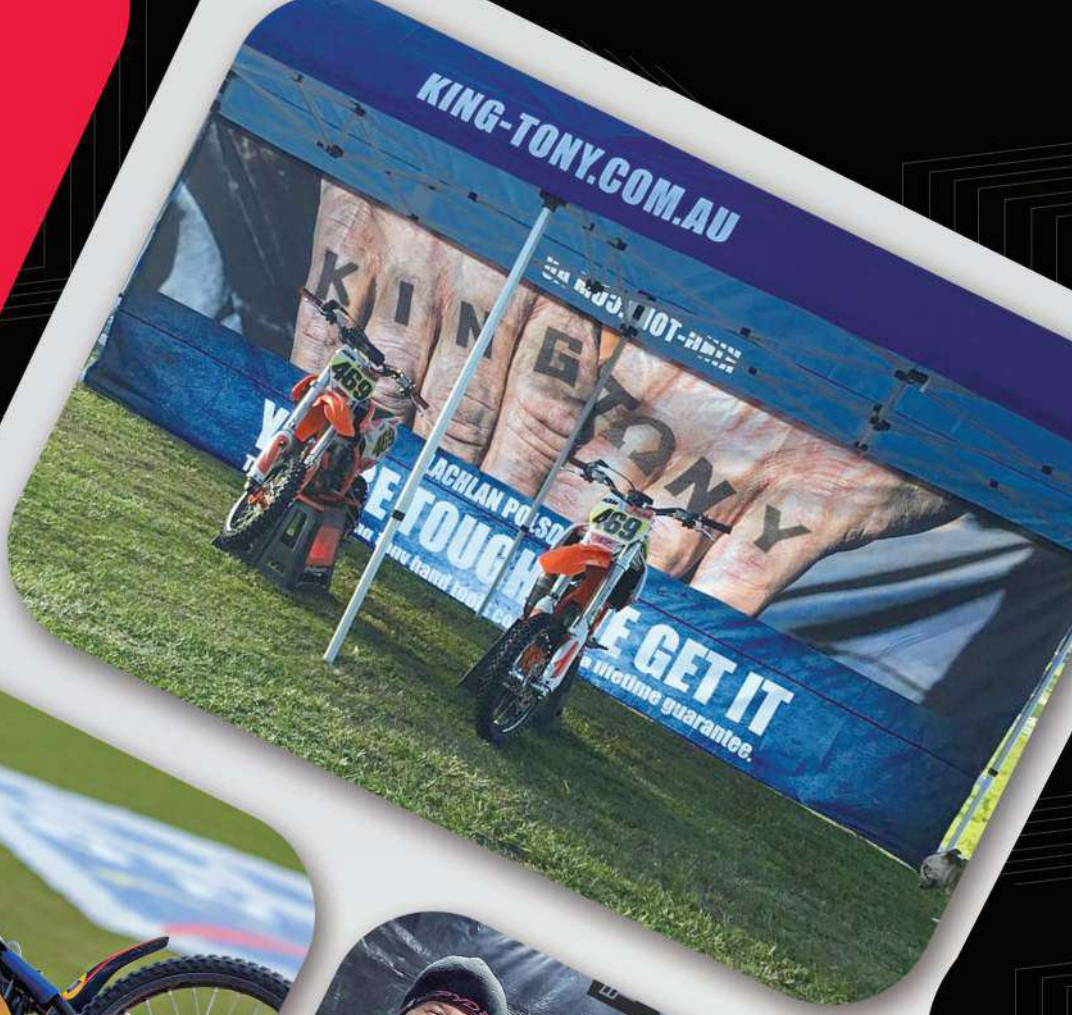


Sponsor & Partnership








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KING TONY
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GARCAREK
KING TONY
ALMAR


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Branding to Target Users







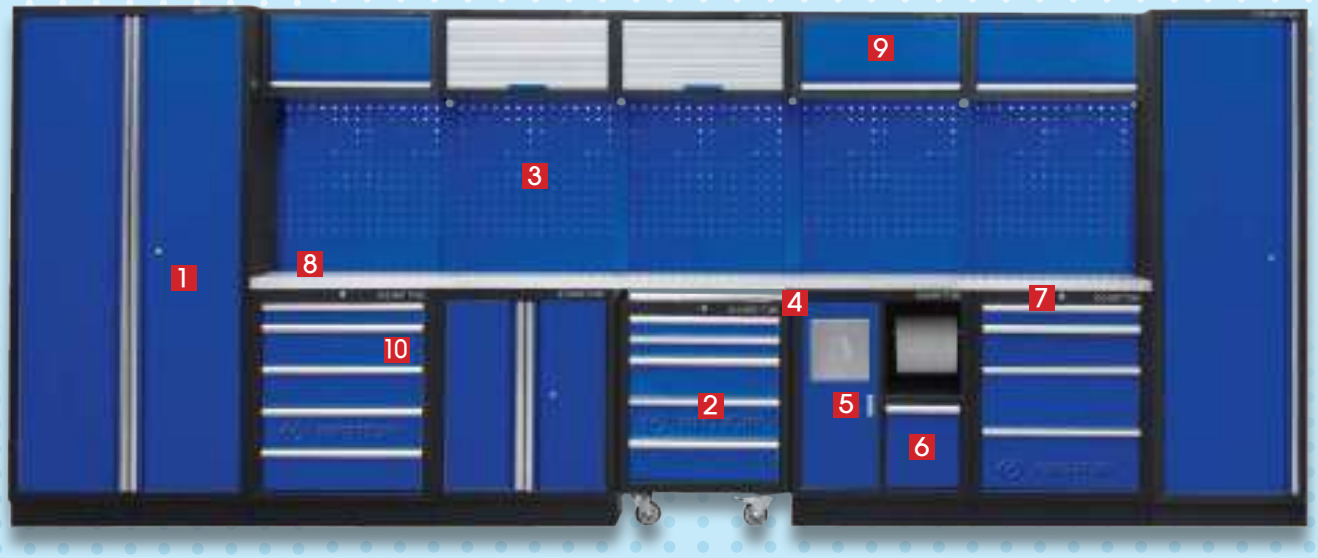
TOOLS STORAGE & TOOLS SYSTEM SETS



- Object-Oriented Organization
- Tools Trolley
- Workbench
- Tools Chest
- Tools Box
- Handy Case
- Work Chair & Storage Case
- Tools Trolley Set
- Tools Chest Set
- Tools Box Set
- Tools Set Content


KING TONY

OBJECT-ORIENTED ORGANIZATION

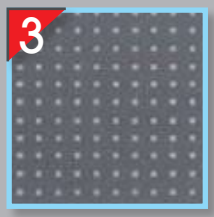




5 Flexible / adjustable shelves



Ball bearing slides



Steel panel for tool storage



Concealed handle



Hidden knob



Double volume



Front centralized locks



Stainless steel work surface



Cupboard with gas spring



The drawer with capacity 30kg

OBJECT-ORIENTED ORGANIZATION

87D11X01SA-KG

Overall: 4885 x 460 x 2000 mm

445.25 CUFT 116.75

Stainless Steel





87D11X01SA-KB

Overall: 4885 x 460 x 2000 mm

445.25 CUFT 116.75

Stainless Steel





OBJECT-ORIENTED ORGANIZATION

87D11X02SA-KG

Overall: 4235 x 460 x 2000 mm

376.20 CUFT 100.30

Stainless Steel





87D11X02SA-KB

Overall: 4235 x 460 x 2000 mm

376.20 CUFT 100.30

Stainless Steel





OBJECT-ORIENTED ORGANIZATION

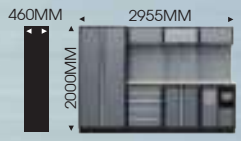
87D11X03A-KG

Overall: 2955 x 460 x 2000 mm

257.65 CUFT 71.39

Wooden Top





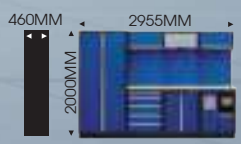
87D11X03A-KB

Overall: 2955 x 460 x 2000 mm

257.65 CUFT 71.39

Wooden Top





OBJECT-ORIENTED ORGANIZATION

87D11X04A-KG

Overall: 2640 x 460 x 2000 mm

244.65 CUFT 64.91

Wooden Top



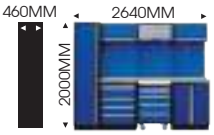
87D11X04A-KB

Overall: 2640 x 460 x 2000 mm

244.65 CUFT 64.91

Wooden Top





87D11X05A-KG

Overall: 2275 x 460 x 2000 mm

197.60 CUFT 51.90

Wooden Top



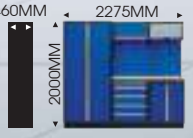
87D11X05A-KB

Overall: 2275 x 460 x 2000 mm

197.60 CUFT 51.90

Wooden Top





OBJECT-ORIENTED ORGANIZATION

87D11A-KG

Overall: 3920 x 460 x 2000 mm

343.2 CUFT 89.42

Wooden Top





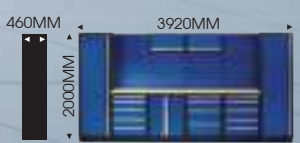
87D11A-KB

Overall: 3920 x 460 x 2000 mm

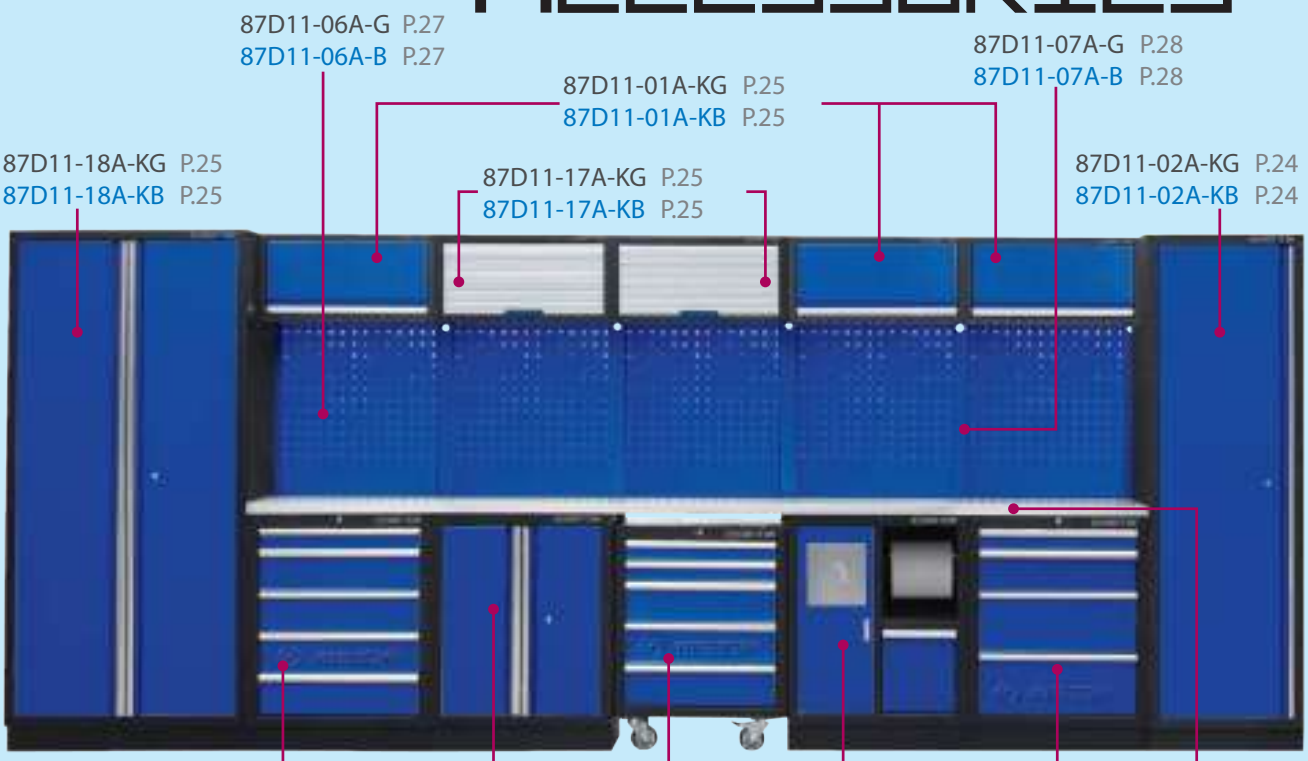
343.2 CUFT 89.42

Wooden Top





OBJECT-ORIENTED ORGANIZATION ACCESSORIES



Tall Cabinet

87D11-02A-KG



87D11-02A-KG

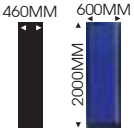
KT NO.	Overall (mm)	Kg	CUFT
87D11-02A-KG 87D11-02A-KB	600 x 460 x 2000	53	9.28

87D11-02A-KB



87D11-02A-KB

87D11-02A-KB



Tall Cabinet

87D11-18A-KG

87D11-18A-KB

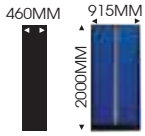


87D11-18A-KG



87D11-18A-KB

KT NO.	Overall (mm)	Kg	CUFT
87D11-18A-KG	915 x 460 x 2000	75	12.72
87D11-18A-KB			



Wall Cabinet

87D11-01A-KG

87D11-01A-KB



87D11-01A-KG



87D11-01A-KB

KT NO.	Overall (mm)	Kg	CUFT
87D11-01A-KG	680 x 280 x 350	9.5	3.72
87D11-01A-KB			
87D11-17A-KG		9.5	
87D11-17A-KB			

Rolling Shutter

87D11-17A-KG

87D11-17A-KB



87D11-17A-KG



87D11-17A-KB



Opened Door Cabinet

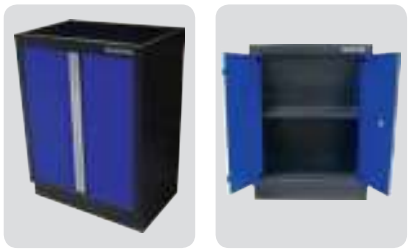
87D11-03A-KG



87D11-03A-KG

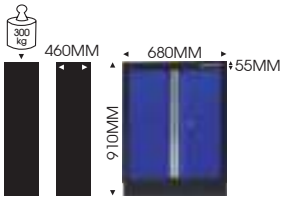
87D11-03A-KB





87D11-03A-KB

KT NO.	Overall (mm)	Kg	CUFT
87D11-03A-KG 87D11-03A-KB	680 x 460 x 910	30	13.67



Drawer Cabinet

87D11-04A-KG

87D11-04A-KB



87D11-04A-KG

87D11-04A-KB

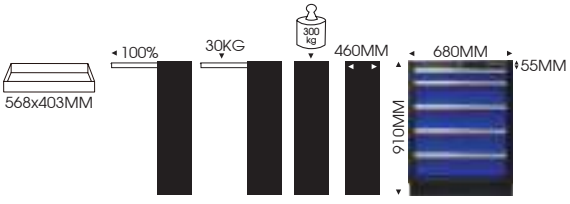
87D11-05A-KG

87D11-05A-KB

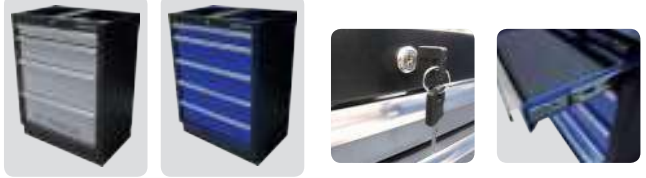


87D11-05A-KG

87D11-05A-KB



KT NO.	Spec.	Overall (mm)	Kg	CUFT
87D11-04A-KG 87D11-04A-KB	4 Drawer	680 x 460 x 910	42	13.67
87D11-05A-KG 87D11-05A-KB	5 Drawer		45	



Trash Bin With Paper Holder

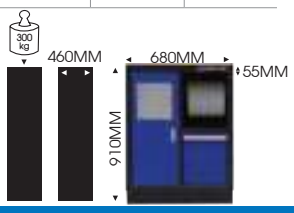
87D11-11A-KG

87D11-11A-KB



87D11-11A-KG 87D11-11A-KB

KT NO.	Overall (mm)	Kg	CUFT
87D11-11A-KG 87D11-11A-KB	680 x 460 x 910	37	13.67



5 Drawers Cabinet

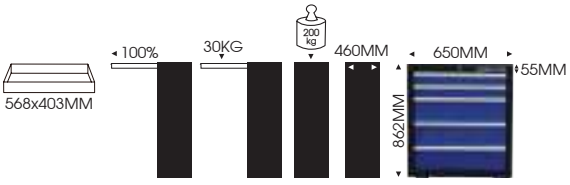
87D11-12A-KG

87D11-12A-KB



87D11-12A-KG 87D11-12A-KB

KT NO.	Spec.	Overall (mm)	Kg	CUFT
87D11-12A-KG 87D11-12A-KB	5 Drawer	650 x 460 x 862	46	10.63



Pressed Wooden Board

87D11-xxA

KT NO.	Overall (mm)	Kg	CUFT
87D11-08A	1361 x 463 x 38	12.5	1.61
87D11-09A	2042 x 463 x 38	19	2.39
87D11-10A	681 x 463 x 38	6	0.84



Stainless Board

87D11-xxSA

KT NO.	Overall (mm)	Kg	CUFT
87D11-08SA	1361 x 463 x 38	21	1.61
87D11-09SA	2042 x 463 x 38	31.8	2.39
87D11-10SA	2042 x 463 x 38	10.5	0.84

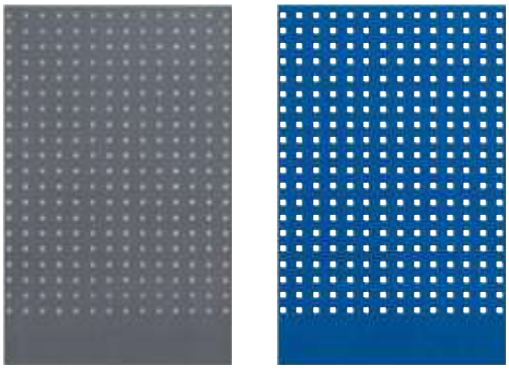


Back Panel

87D11-06A-G

KT NO.	Overall (mm)	Kg	CUFT
87D11-06A-G 87D11-06A-B	615 x 25 x 1052	5.3	1.08

87D11-06A-B



87D11-06A-G 87D11-06A-B

Pillar

87D11-07A-G

87D11-071A-G

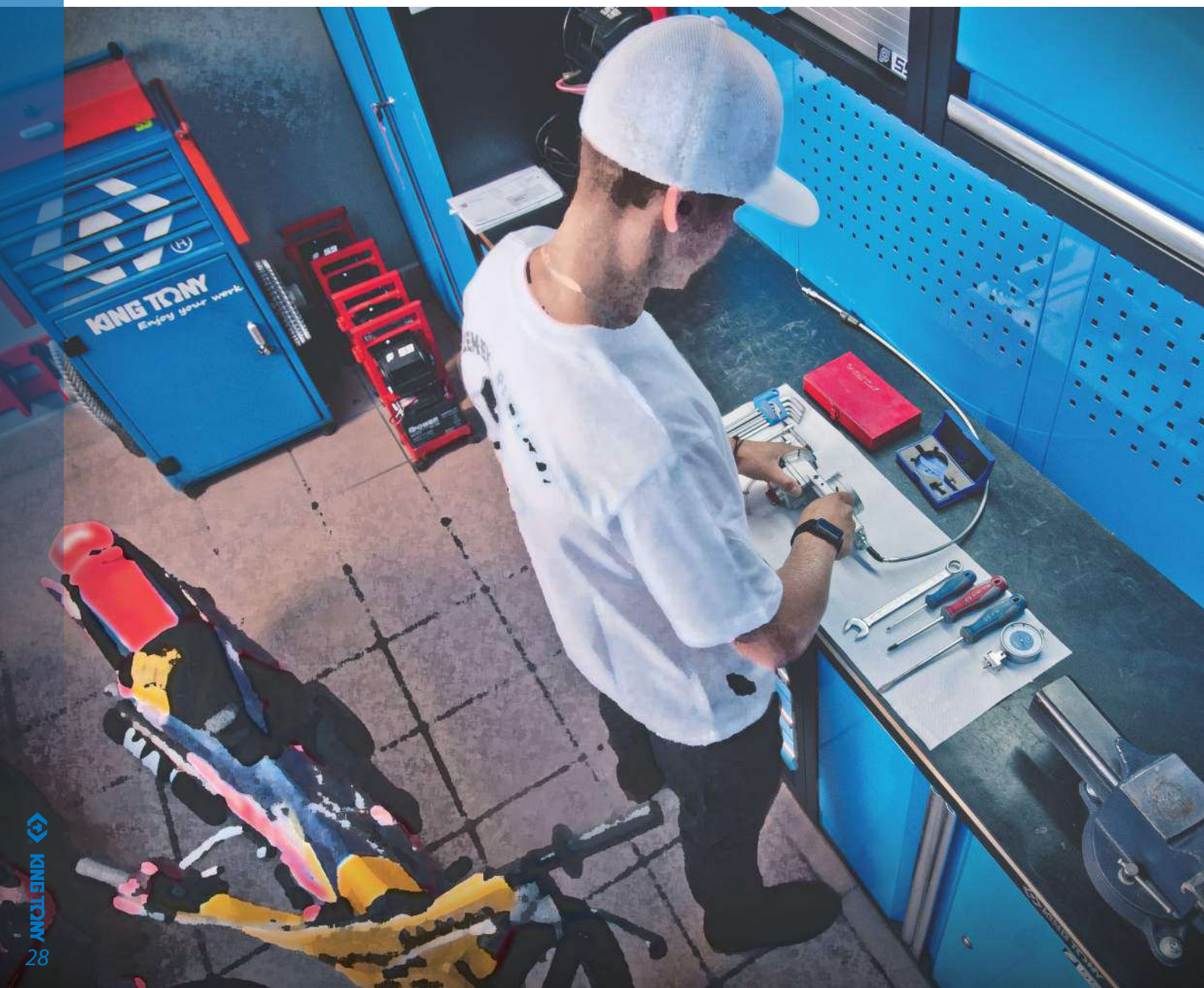
87D11-07A-B

87D11-071A-B

KT NO.	Overall (mm)	Kg	CUFT
87D11-07A-G	66 x 30 x 1420	2	0.24
87D11-07A-B			
87D11-071A-G	33 x 30 x 1420	1.5	0.15
87D11-071A-B			



87D11-07A-G 87D11-07A-B 87D11-071A-G 87D11-071A-B



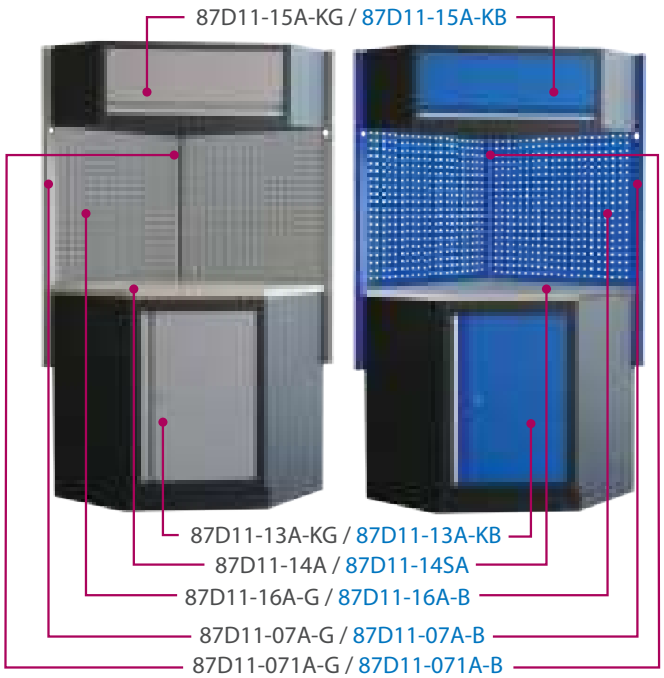
Optional accessories

87D11X06SA-KG

87D11X06A-KG

87D11X06SA-KB

87D11X06A-KB



Stainless Steel Board

87D11-14SA



KT NO.	Overall (mm)	Kg	CUFT
87D11-14SA	865 x 865 x 38	18	1.94

Pressed Wooden Board

87D11-14A



KT NO.	Overall (mm)	Kg	CUFT
87D11-14A	865 x 865 x 38	13	1.94

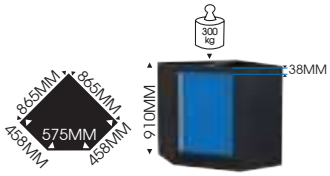
Corner Bottom Cabinet

87D11-13A-KG

87D11-13A-KB



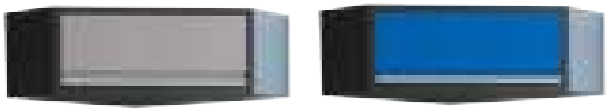
KT NO.	Overall (mm)	Kg	CUFT
87D11-13A-KG 87D11-13A-KB	865 x 865 x 910	42	7.02



Corner Wall Cabinet

87D11-15A-KG

87D11-15A-KB



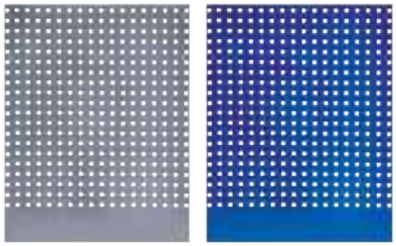
KT NO.	Overall (mm)	Kg	CUFT
87D11-15A-KG 87D11-15A-KB	865 x 865 x 350	21	12.66



Corner Back Panel

87D11-16A-G

87D11-16A-B



KT NO.	Overall (mm)	Kg	CUFT
87D11-16A-G 87D11-16A-B	800 x 25 x 1052	5.3	1.08

Customized Color Choice Chart

Color	Item Number
Red	8743X-XB
Red+Black	8743X-XB-RK
Blue	8743X-XB-B
Blue+Black	8743X-XB-BK
Black	8743X-XB-K
Gray	8743X-XB-G
Orange+Black	8743X-XB-OK



Red



Red+Black



Blue



Blue+Black



Orange+Black



Black



Gray

(Other colors are optional, produce with minimum quantity)

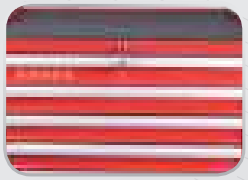
Tool Trolley



• 100% open ball bearing slide for drawer



• Add strength and safety



• Central locking system + 10mm top mat



• One piece steel body





• Embossed & hammed edge drawer increase strength



• Industrial TPR floor brake carters

Accessory

87432-15

- Plastic top mat
- Size : 920(W) x 490(D) x 50(H)mm



84087637BKT

- Plastic mat
- Size : 665(W) x 455(H) x 19(D) mm



87432-31

- Side handle bar
- Size : (Ø)38.5 x 457(L) mm



87432-32

- Can holder



87432-52

- Paper holder
- Size : 45(H) x 290(L) x 65(D) mm





87432-17

- Flat side panel
- Size : 456 x 370mm



87432-23





87432-24



KT NO.	Frame(mm) Width x Depth x Height	Material	Divider Size mm
87432-23	574 x 358 x 40	Steel	Long: 560x40(2PC.) Short: 368x40(2PC.)
87432-24	-	Plastic	Long: 570x40(3PC.) Short: 375x40(3PC.)

87432-33

- Magnetic tool holder
- Size: 458 x 52 x 17mm



87432-34

- Bottle side holder



87432-41

CAUTION Can't install side tray(87432-32) at the same time

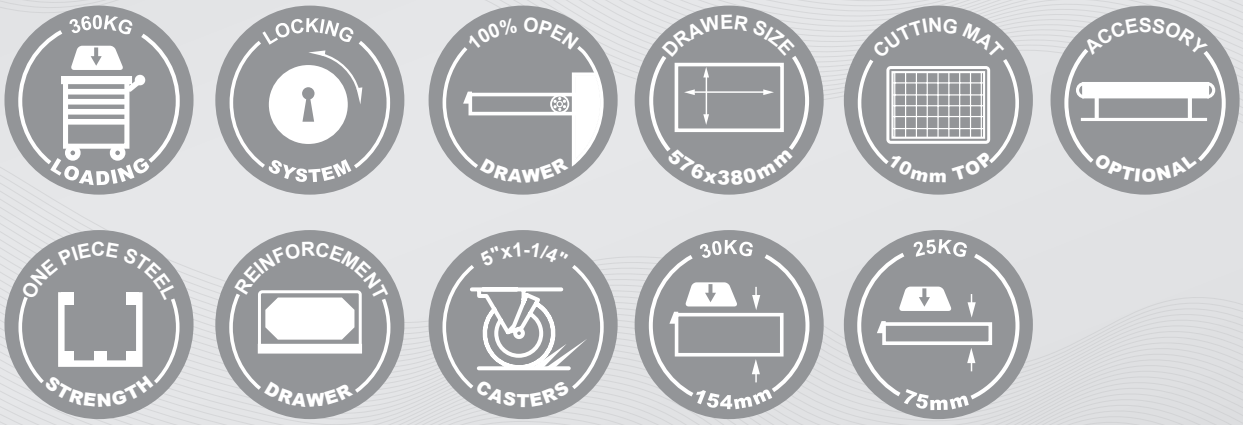
- Work panel
- Size : 656(W) x 500(H) x 30(D) mm





Tool Trolley





Tool Trolley Set



P.52-56
P.79-84

EVA Foam



P.59-77

Plastic Tray



P.94-117



▪ Selective colors:





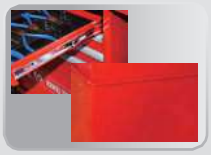
• One piece steel body



• Embossed & hammed edge drawer increase strength



• Central locking system + 10mm top mat



• Add strength and safety



• Industrial TPR floor brake carters



87438-3B



87432-5B



87434-7B



87437-8B



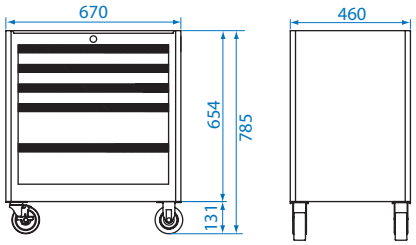
87437-10B

KT NO.	Spec.	Dimension(mm) Width x Depth x Height	Casters	Static load	Kg	CUFT
87438-3B	3 Drawer	576 x 380 x 75	5"x1-1/4"	360 Kg	47.2	12.24
	2 Door	603 x 404 x 478				
87432-5B	4 Drawer	576 x 380 x 75			56	
	1 Drawer	576 x 380 x 154				
	Bulk Drawer	603 x 404 x 234				
87434-7B	5 Drawer	576 x 380 x 75			64	
	2 Drawer	576 x 380 x 154				
87437-8B	7 Drawer	576 x 380 x 75			66	
	1 Drawer	576 x 380 x 154				
87437-10B	6 Drawer	576 x 380 x 48.5			69	
	3 Drawer	576 x 380 x 75				
	1 Drawer	576 x 380 x 154				

Tool Trolley

87431-5BE

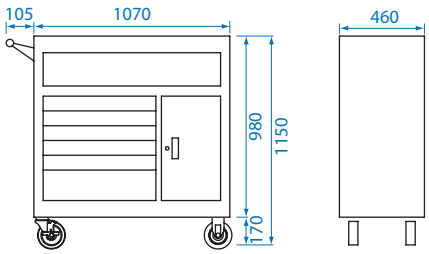
- Specifically collocate with workbench

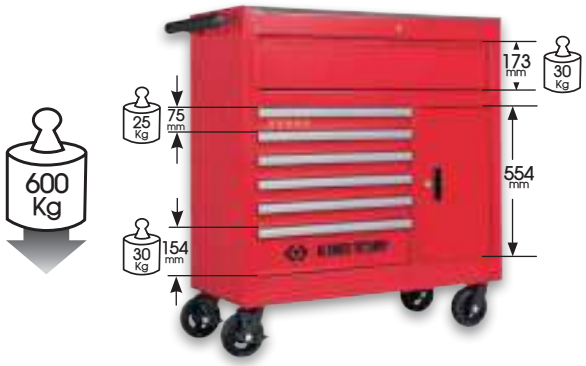




KT NO.	Spec.	Dimension(mm) Width x Depth x Height	Casters	Static load	Kg	CUFT
87431-5BE	3 Drawer	576 x 380 x 75	4" x 1-1/4"	250 Kg	50	10.03
	2 Drawer	576 x 380 x 154				

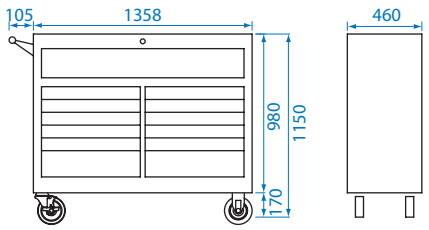
87439-7B





KT NO.	Spec.	Dimension(mm) Width x Depth x Height	Casters	Static load	Kg	CUFT
87439-7B	5 Drawer	576 x 380 x 75	6" x 2"	600 Kg	129	25
	1 Drawer	576 x 380 x 154				
	1 Drawer	927 x 380 x 173				
	1 Door	317.5 x 404 x 554				

87435-13B





KT NO.	Spec.	Dimension(mm) Width x Depth x Height	Casters	Static load	Kg	CUFT
87435-13B	10 Drawer	576 x 380 x 75	6" x 2"	600 Kg	166	31.54
	2 Drawer	576 x 380 x 154				
	1 Drawer	1215 x 390 x 173				

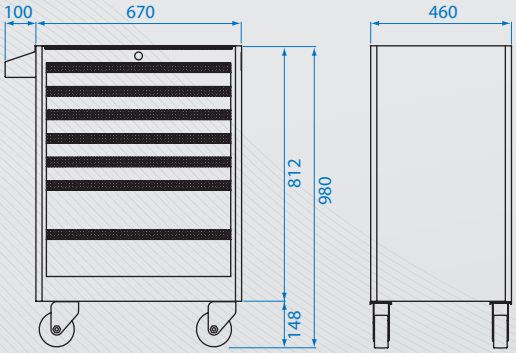
Risk-Free Tool Trolley

(Other colors are optional, produce with minimum quantity)



Selective colors:





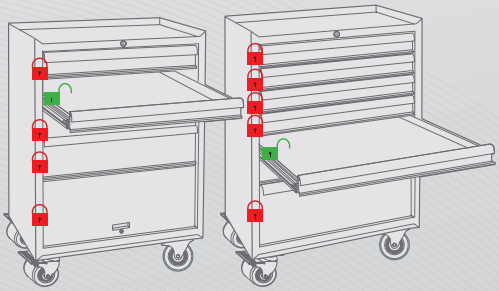




87432-5G

87434-7G

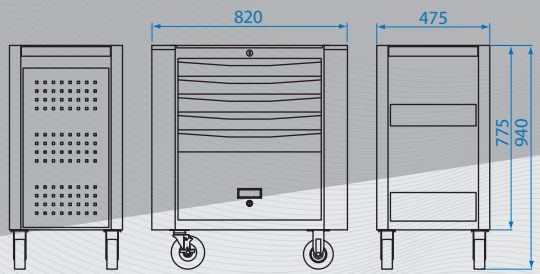
Only open one drawer to prevent tilting risk !

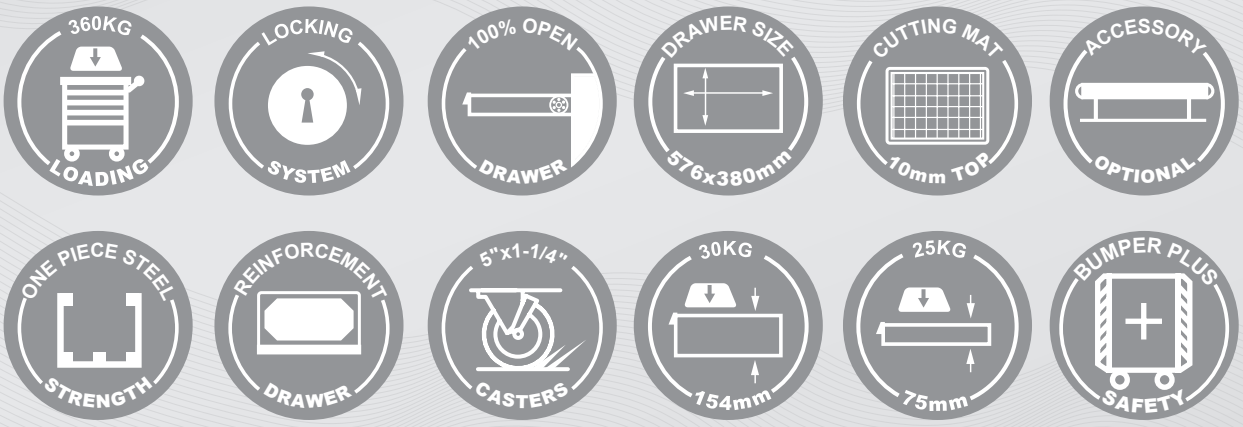


KT NO.	Spec.	Dimension(mm) Width x Depth x Height	Casters	Static load	Kg	CUFT
87432-5G	4 Drawer	576 x 380 x 75	5" x 2"	680 Kg	56	12.24
	1 Drawer	576 x 380 x 154				
	Bulk Drawer	603 x 404 x 234				
87434-7G	5 Drawer	576 x 380 x 75			64	
	2 Drawer	576 x 380 x 154				

Classic Bumper Type Tool Trolley







Tool Trolley Set



P.52-56
P.79-84

EVA Foam



P.59-77

Plastic Tray



P.94-117

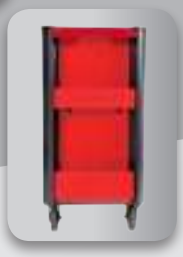


(Other colors are optional, produce with minimum quantity)

Selective colors:







• Multipole space bar to hold other tools



• Embossed & hammed edge drawer increase strength



• With bottle tray and side tray



• Industrial TPR floor brake casters



• Ball bearing drawer



• Black anodized aluminum strip



• Soft bumpers side advioding damage vehicle



87632-5B



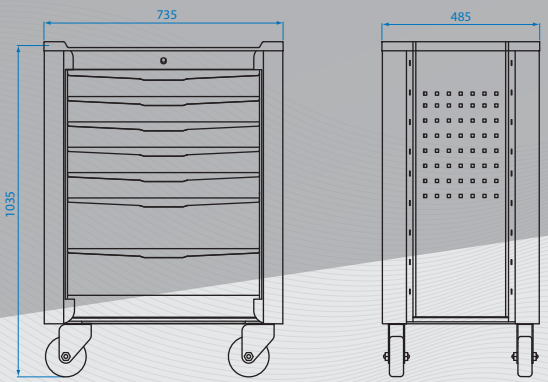
87634-7B

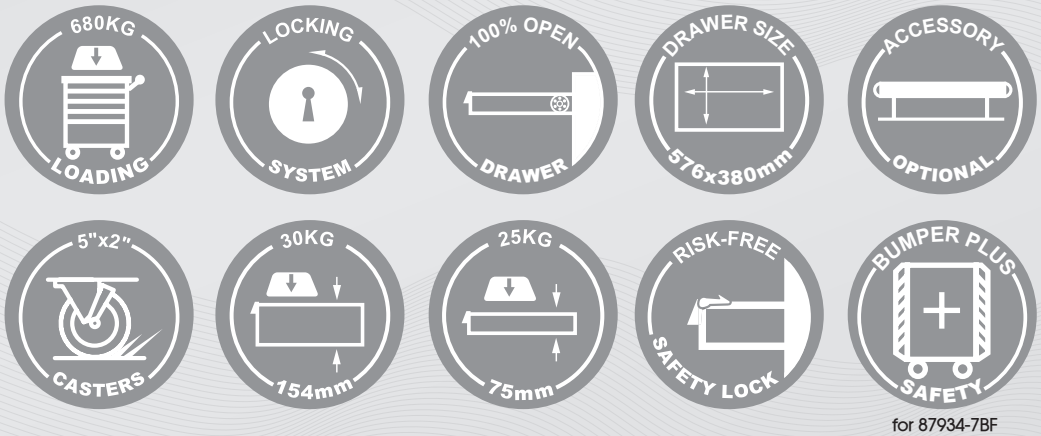
- Soft bumpers each side avoids scratch or damage vehicle
- More space for bottles & hanging
- Easily move two side handle bar & industrial TPR casters
- 100% pull out ball bearing drawer
- One piece steel for heavy load structure
- Central locking system + 10mm top mat

KT NO.	Spec.	Dimension(mm) Width x Depth x Height	Casters	Static load	Kg	CUFT
87632-5B	4 Drawer	576 x 380 x 75	5"x1-1/4"	360 Kg	59	15.64
	1 Drawer	576 x 380 x 154				
	Bulk Drawer	603 x 404 x 234				
87634-7B	5 Drawer	576 x 380 x 75			66.14	
	2 Drawer	576 x 380 x 154				

Risk-Free Bumper Type Tool Trolley







for 87934-7BF

Tool Trolley Set



P.52-56
P.79-84

EVA Foam



P.59-77

Plastic Tray



P.94-117



(Other colors are optional, produce with minimum quantity)

Selective colors:





• Soft bumpers side avoids damage vehicle



• Black anodized aluminum strip



• Industrial TPR floor brake casters

- Smooth to slip with 2 steps safety lock casters
- 5*2"TPR high-perfomance wheels on roller bearings ,w/brake
- Patent crane hook lock drawer prevent tilting risk
- More space for bottles & hanging
- 100% pull out ball bearing drawer
- Double-wall construction for dust free storage
- Central locking system + 10mm top mat

KT NO.	Spec.	Dimension(mm) Width x Depth x Height	Contents		Casters	Static load	Kg	CUFT
87934-7BF	7 Drawer	5-576 x 380 x 74 2-576 x 380 x 153	87934-31	Pull handle bar x 1	5" x 2"	680 kg	75.00	12.70
			87934-32	Tool bin & oil can holder x 1				
			87502-051	Single hook x 4				



Tool Trolley



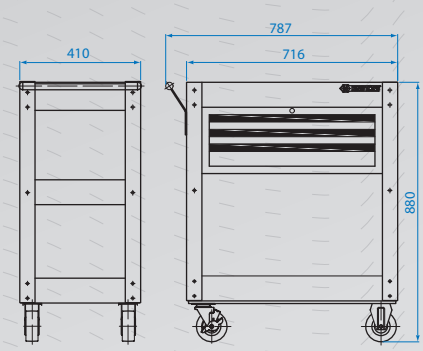
87441-1B

- 1 drawer trolley
- Two 3.5" deep trays are positioned for convenience



87441-3B

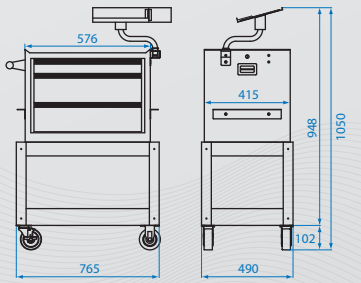
- 3 drawer trolley
- 2 PC. protective mat for top and bottom shelves
- 3 PC. protective drawer liners



KT NO.	Spec.	Dimension(mm) Width x Depth x Height	Kg	CUFT
87441-1B	overall	716 x 410 x 750	23.2	2.7
	overall + 4" x 1-1/4" Casters	716 x 410 x 880		
	1 Drawer	569 x 275 x 75		
87441-3B	overall	716 x 410 x 750	33.0	4.95
	overall + 4" x 1-1/4" Casters	716 x 410 x 880		
	1 Drawer	569 x 275 x 75		
	2 Drawer	569 x 275 x 50		

3 Reversible Drawers Ball Bearing Type Shelf Trolley





KT NO.	Spec.	Dimension(mm) Width x Depth x Height	Contents	Casters	Static load	Kg	CUFT
87442-3B	Overall	765 x 490 x 948	 87442-16-K	4" x 1-1/4"	250 Kg	50	9.9
	Overall + 4" Casters	765 x 490 x 1050					
	1 Drawer	576 x 415 x 75	 87442-36				
	2 Drawer	576 x 415 x 154					







- Enlarge storage for long straight object or tools
- All corners placement for large object or tools, increase storage arrangement to 850mm length tools
- Folded edges for magnetic holder or tools, 80mm width
- Multi-function concave shape for safety placement of tools
- Hanging solutions with various additional accessories

KT NO.	Contents		15.0	1 / 1
 87430A		87430A1	Multipole space bar x 2	
		87430A2	Pull handle bar x1	
		87430A4	Tool bin & oil can holder x 2	
		87502-051	Single hook x4	
 87430A-K		87430A1-K	Multipole space bar x 2	
		87430A2-K	Pull handle bar x1	
		87430A4-K	Tool bin & oil can holder x 2	
		87502-051	Single hook x4	

Optional accessory for evolution roller

87430A1(red)
87430A1-K(black)
Multipole space bar



87430A2(red)
87430A2-K(black)
Pull handle bar
Size: ø26 x 320mm



87430A3(red)
87430A3-K(black)
Large tool holder
Size: 375 x 125 x 240mm



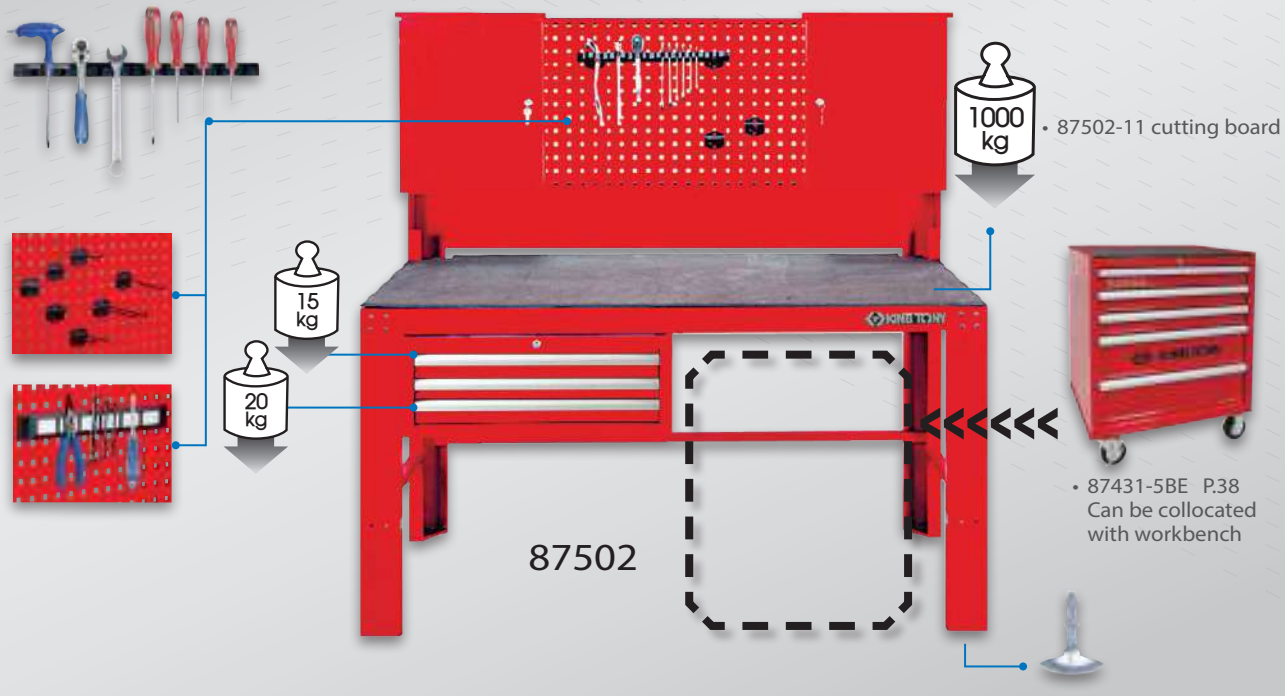
87430A4(red)
87430A4-K(black)
Tool bin & oil can holder
Size: 365 x 80 x 90mm



87502-051
1" Shape hook



Workbench

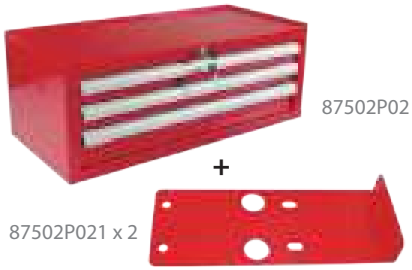


Accessory

KT NO.	Contents	
87502-01		Tool holder 500mmL
87502-02		Magnetic tool holder for workbench backpanel Size : 458 x 52 x 17mm
87502-050		U Shape hook
87502-051		1" Shape hook
87502-054		4" Shape hook
87502-058		8" Shape hook
87502-061		1" Double hook
87502-064		4" Double hook
87502-068		8" Double hook
87502-11		▪ Cutting board ▪ Oil-resistant, acid-resistant, moisture-resistant and anti-static ▪ 10mm PP foaming board
87502-12		▪ 4 PC. Adjusting device ▪ Includes adjustable bolt & adjustable pad

87502P02

▪ Drawer chest for workbench



KT NO.	Spec.	Dimension(mm) Width x Depth x Height	Kg	CUFT
87502P02	Overall	660 x 307 x 251	13.00	2.7
	2 Drawer	569 x 275 x 50		
	1 Drawer	569 x 275 x 75		

87502P03

▪ 2 PC. wall cabinets

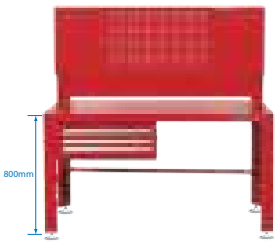




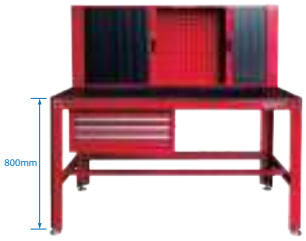
KT NO.	Spec.	Dimension(mm) Width x Depth x Height	Kg	CUFT
87502P03	Overall	400 x 200 x 500	14.00	4.5

Workbench

- Workbench excludes cutting board & tool holder

KT NO.			Spec.	Dimension(mm) Width x Depth x Height	Kg	CUFT
87502		▪ 3 drawer chest-ball bearing slide ▪ 2 wall cabinets	Overall	1525 x 700 x 1520	86.00	13.4
			3 Drawer chest	660 x 307 x 251		
			2 Drawer	569 x 275 x 50		
			1 Drawer	569 x 275 x 75		
			Wall cabinet	400 x 200 x 500		
87502P01		▪ Workbench with back panel	Overall	1525 x 700 x 1520	59.00	6.5
87502P011		▪ Workbench	Overall	1525 x 700 x 800	48.00	6.5
87502P012		▪ Back panel	Overall	1525 x 20 x 700	13.50	2.7

87512

KT NO.			Spec.	Dimension(mm) Width x Depth x Height	Kg	CUFT
87512		▪ 3 drawer chest ball bearing slide ▪ 1 wall cabinet	Overall	1565 x 766 x 1403	130.10	21.19
			3 Drawer chest	668 x 313 x 270		
			2 Drawer	568 x 262 x 50		
			1 Drawer	568 x 262 x 75		
			Wall cabinet	1565 x 203 x 603		

Workbench Cabinet with Hooks

87201

- With 20 PC. hooks
  - 5 PC. U shape hook (87502-050)
  - 10 PC. 1" single hook (87502-051)
  - 5 PC. 1" double hook (87502-061)
- Heavy duty design for storage heavy duty tool
- Powder coating finishing
- Full opened door with 2 aluminum alloy handles
- 4 holes on the back of cabinet to be fixed on the wall
- Double wall door panel design, peg hole at inside wall of door





Steel thickness: (body)1.0 mm


87502-050


87502-051


87502-061

KT NO.	Spec.	Dimension(mm) Width x Depth x Height	Kg	CUFT
87201	Overall	820 x 250 x 900	24.00	8

Tool Chest





87411-6B



87411-9B



87419-5B
(Extra deep)



87417-10B
(Extra deep)

- Powder coating
- Ball bearing slide
- Central locking system
- Hemmed edge design to improve strength and safety
- Drawer quick release and detent design

Selective colors:

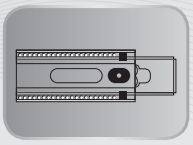


-RK -B -BK -K -G -OK

(Produce with minimum quantity)



• Ball bearing slides



• Steel ball



• Lockable



• Plastic drawer divider for cabinet



• Bottom rubber mats to avoid slipping

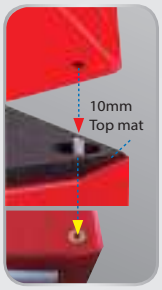
KT NO.	Spec.	Dimension(mm) Width x Depth x Height	Kg	CUFT
87411-6B	Overall	660 x 307 x 374	25.40	3.97
	Top	646 x 290 x 60		
	3 Drawer	170 x 275 x 50		
	2 Drawer	569 x 275 x 50		
	1 Drawer	569 x 275 x 75		
87411-9B	Overall	660 x 307 x 427	30.20	4.3
	Top	646 x 290 x 60		
	6 Drawer	170 x 275 x 50		
	2 Drawer	569 x 275 x 50		
	1 Drawer	569 x 275 x 75		

KT NO.	Spec.	Dimension(mm) Width x Depth x Height	Kg	CUFT
87419-5B	Overall	660 x 455 x 483	40.00	8.58
	Top	646 x 420 x 70		
	2 Drawer	576 x 410 x 48.5		
	3 Drawer	576 x 410 x 75		
87417-10B	Overall	660 x 455 x 483	51.20	8.58
	Top	646 x 420 x 70		
	6 Drawer	169 x 410 x 48.5		
	1 Drawer	169 x 410 x 154		
	2 Drawer	576 x 410 x 48.5		
	1 Drawer	576 x 410 x 75		

87421-3B

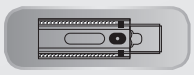


- 3 drawer chest
- Intermediate type
- Heavy gauge steel
- Drawer slides type-ball bearing
- Grooved full width drawer pulls add strength and offer to list contents of drawer
- Central locking system
- 10mm Top mat
- Powder coating finish
- 4 pins on the middle chest corners to tie in with top chest for extra security
- Overall size (mm) - 660(W) x 307(D) x 251(H)





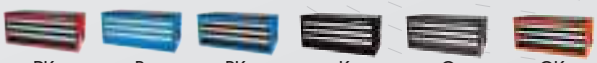
• Ball bearing slides



• Steel ball

KT NO.	Spec.	Dimension(mm) Width x Depth x Height	Kg	CUFT
87421-3B	Overall	660 x 307 x 251	13.00	2.7
	2 Drawer	569 x 275 x 50		
	1 Drawer	569 x 275 x 75		

Selective colors:



(Produce with minimum quantity)



- Heavy gauge steel plus flange reinforced design
- Close cover synchronously lock all of the drawers
- Powder coating
- Overall size (mm) - 535(W) x 220(D) x 287(H)



87401-2



87401-3



87401-3H

KT NO.	Spec.	Dimension(mm) Width x Depth x Height	Kg	CUFT
87401-2	2 Drawer	504 x 195 x 79	8.80	2.05
87401-3	3 Drawer	504 x 195 x 52	10.20	
87401-3H	3 Drawer	504 x 195 x 52	11.20	

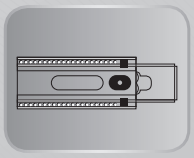
Only 87401-3H:



• Internal lock system



• Ball bearing slides



• Steel ball

Tool Box

87402

- 3 section fold up type and adjustable
- Tubular handle, curved hinge
- Shaped pressing on flat surface to reinforced steel strength

KT NO.	Spec.	Dimension(mm) Width x Depth x Height	Kg	CUFT
87402	5 compartments	470 x 220 x 260	5.60	1.22
87408		530 x 220 x 260	6.70	1.3

87408





87A05

87A05-KB

- 3 section fold up type and adjustable
- Tubular handle, curved hinge
- Shaped pressing on flat surface to reinforced steel strength

KT NO.	Spec.	Dimension(mm) W x D x H	Kg	CUFT
87A05	5 compartments	470 x 220 x 260	5.10	1.41
87A05-KB				
new 87A051		530 x 220 x 260	6.80	1.48
new 87A051-KB				

87A051 new

87A051-KB new



87A05





87A05-KB

87A08 new

- Material : PP + Metal
- Shock-resistant reinforced polypropylene shell with metal cover
- Impact resistant and sturdy bumper at corners
- 30kgs load on top and stackable design
- V groove on top for sawing or placement
- Easy to use with grip handle for carry
- Portable tote tray take tools or small parts
- Lockable allow use padlock for security
- Metal double clasp

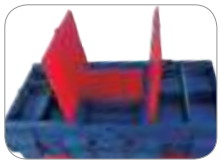
KT NO.	Spec.	Dimension(mm) Width x Depth x Height	Kg	CUFT
87A08	2 compartments	470 x 238 x 203	2.0	0.91





87404

- Meterial : PP
- Multi-function box, extra space for tools and parts
- Lightweight
- Durable design for tool storage





87404

KT NO.	Spec.	Dimension(mm) Width x Depth x Height	Kg	CUFT
87404	2 compartments	560 x 278 x 270	2.40	1.75
87407		445 x 240 x 206	1.74	0.79

87407





87407

Parts Box

87137

- Parts box
- Material : PP

KT NO.	Dimension(mm) Width x Depth x Height	g
87137	180 x 39 x 96	109



• PP plastic storage box for spare parts

Fabric Tool Bag

87711C

- Waterproof 1200 D Nylon Oxford
- Lightweight stainless bar & comfortable EVA handle
- Velcro cover for easy access & quickly take out tools
- Adjustable ambi-bag with soft padded shoulder strap
- 39 inner pockets for multiple-tools storage
- 50% less weight than metal box

KT NO.	Dimension(mm) Width x Depth x Height	kg	
87711C	550 x 285 x 370	3.00	1 / 1





87722B

- Waterproof, reinforced rubber base protects tools
- 600D Nylon Oxford
- Internal and external storage pockets
- Zip fastening and rubber comfort grip handles
- Removable padded shoulder strap for comfortable carry

KT NO.	Dimension(mm) Width x Depth x Height	kg	
87722B	390 x 210 x 320	1.80	1 / 5





87721B

- Heavy duty 600 D polyester
- Wide opening at top with zipper for easy access and security
- Removable shoulder strap
- Removable compartment for greater organization
- External and internal side pockets

KT NO.	Dimension(mm) Width x Depth x Height	kg	
87721B	360 x 200 x 250	0.95	1 / 1



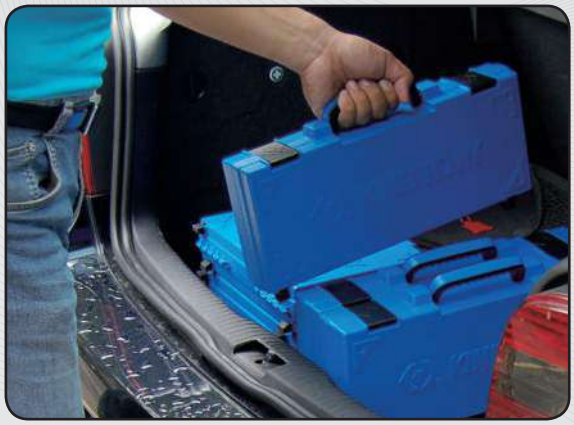


Handy Case

Handy Case Series

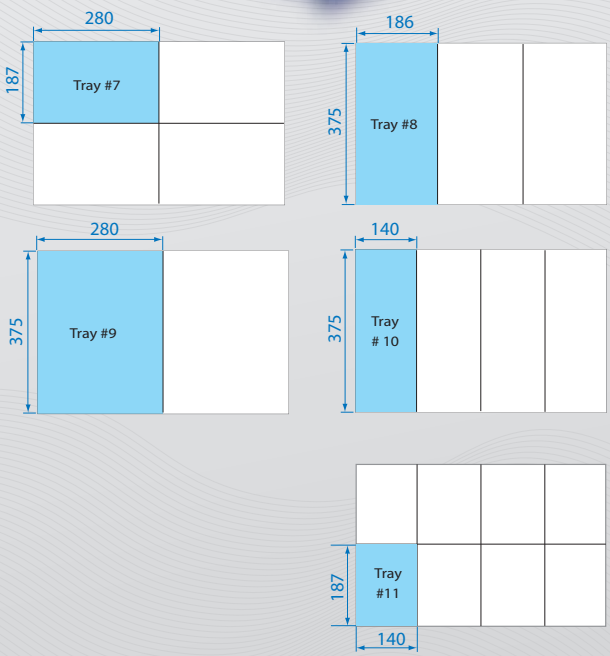
The outside of handy case can afford high load capacity, and great crash-resistance. There are four different sizes with the conception of T.C.S mod. Therefore, its design is based on the user perspective , easy to carry and store, make every user enjoying their work.













820005
199 x 171 x 50mm



820001
294 x 231 x 66mm



820002
389 x 184 x 66mm



820003
389 x 229 x 66mm



820011
422 x 372 x 92mm

Handy Case

820011

- Made of shockproof PE-HD for heavy duty contents
- Ideal for tool storage & tool box system
- Easy to pile and store
- Anti-collision
- Case for Eva foam / tray





- Steel buckle provides security & strength



- Foam protection against collisions



- Hexagon overlap in 4 corners, easy to file up



- Extra space for thumb taking out

KT NO.	Size mm	EVA / Tray		
820011	422 x 372 x 92	#9	1417	1 / 4

82000

- Tool case made of sturdy ABS material
- Ideal for tool storage & tool box system
- Easy to pile and store
- Case for Eva foam / tray





- Plastic padding for better stable storage
- The hinge construction makes box more durable



- 180° swivel handle easy to carry



- Easy and quick to lock



- Foam protection against collisions



- Hexagon overlap in 4 corners, easy to pile up



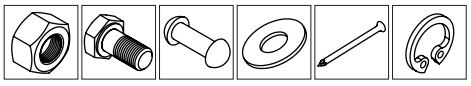
- Extra space for thumb taking out

KT NO.	Size mm	EVA / Tray		
820001	294 x 231 x 66	# 7	641	1 /6
820002	389 x 184 x 66	#10	651	1 / 5
820003	389 x 229 x 66	# 8	793	1 / 4
820005	199 x 171 x 50	#11	293	1 / 8

Multi-Storage Case

827011

- Heavy duty plastic blow case with foam padded internal
- High impact polystyrene with dividers make 12 spaces
- Easy to carry tools from trolley & store bolts, nuts
- Mini case (278 x 87 x 42 mm)









Blow case size (mm) :
422 x 372 x 92 (0.51 Cuft)

KT NO.	Contents		
827011	84700011B	2.19	1 / 4

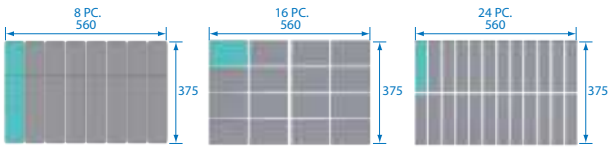
Plastic Tray

847000

- For accessories, parts and consumables
- Easily combine the parts box sizes depending on the handy case
- Easy to carry and segment

84700011B 84700002B 84700003B





KT NO.	Size		
84700011B	283 x 93 x 43	150	8 / 72
84700002B	140 x 93 x 43	75	16 / 144
84700003B	187 x 47 x 43	50	24 / 216

Mobile Work Chair

Material: PVC leather + foam cushion + finishing powder coating steel
Two Open Storage Areas





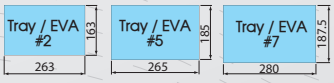
- Four 360° Rotation Spherical Casters

KT NO.	Dimension(mm) Width x Depth x Height	kg	/	CUFT
87452A-B	350 x 260 x 240	7.4	1 / 1	0.49
87452B-B		6.4	1 / 1	
87452C-B		6.3	1 / 1	

87452A-B



Drawer
Size : 345 x 195 x 65mm





87452B-B



Metal tray with rack funciton



87452C-B



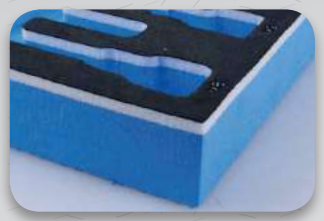
Metal tray





Tools Control & Security Storage System

How to complete your tool trolley set and tool chest set



Three-colors fabrication



waterproof

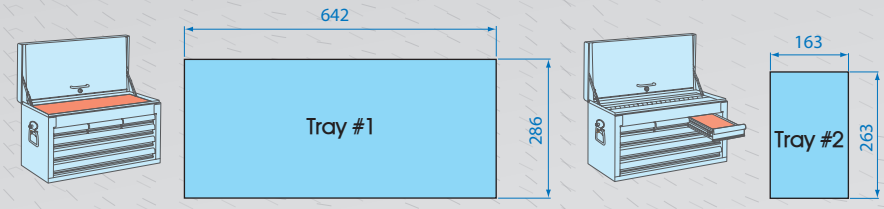


Laser marking



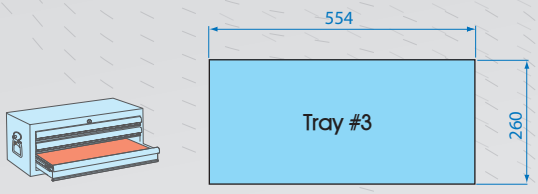
Missing tools detected

Drawer (646x290 mm)

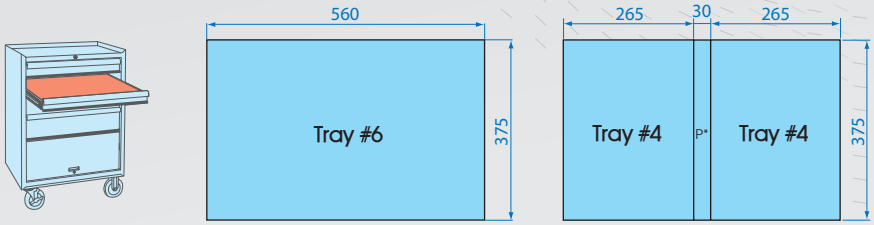


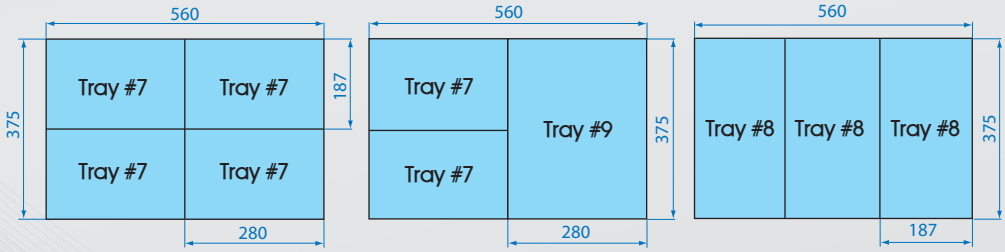
Drawer (172x275 mm)

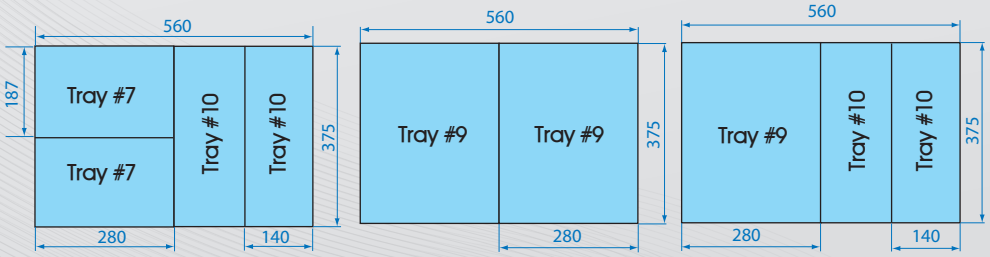
Drawer (572x275 mm)

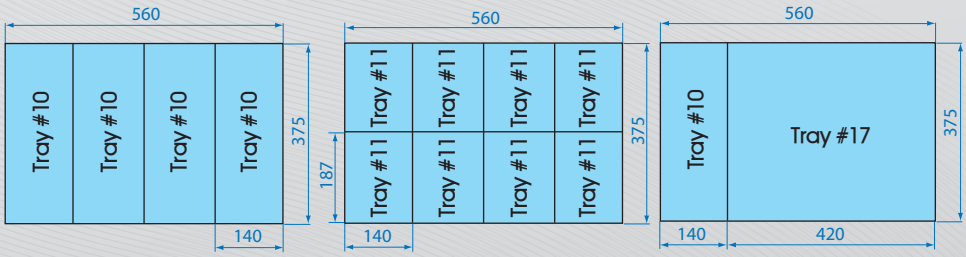


Drawer (579x380 mm)









- **Security:**
  Separate spaces for each tools to prevent them being left in dangerous areas
- **Benefit:**
  Tools are quickly located and immediately returned after use to avoid loss
  3 colors EVA foam offers convenient identification of use with sustained sizes and mark
- **Efficiency:**
  A quick glance helps for missing tools
  Durable material prevents being dirty for easy maintenance

Tool Trolley Contents

235 PC.



Contents No. 934-235MRVD

24.15 CUFT 2.97

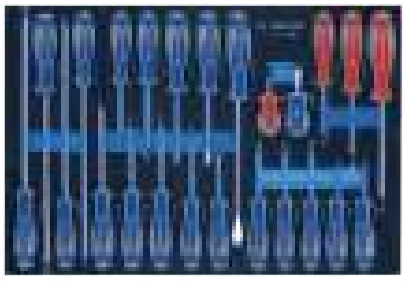
- Special tool set for Automobile, suitable for VOLKSWAGEN-GROUP, MERCEDES-BENZ, OPEL, BMW & Japanese passenger car



9-4537MRV #9 P.69
9-2565MRV #7 P.66
9-4129PRV #7 P.66



9-4147PRV #10 P.75
9-90135MRV #10 P.75
9-1220MRV #9 P.70



9-31124MRV #6 P.65



9-90119MRV #9 P.71
9-40104GPV #10 P.75
9-40113GPV #10 P.75



9-44214GPV #10 P.75
9-90118PRV #10 P.76

Tool Trolley Set

235 PC.

7 · 88.15 CUFT 15.21	 934-235MRV (87434-7B P.33)	 934-235MRV-G (87434-7B-G P.33)	 934-235MRV-B (87434-7B-B P.33)
7 · 90.29 CUFT 18.61	 9634-235MRV (87634-7B P.37)	 9634-235MRV-G (87634-7B-G P.37)	 9634-235MRV-B (87634-7B-B P.37)
7 · 99.15 CUFT 15.67	 9934F-235MRV (87934-7BF P.39)	 9934F-235MRV-G (87934-7BF-G P.39)	 9934F-235MRV-B (87934-7BF-B P.39)

Tool Trolley Contents

286 PC.



Contents No. 934-010MRVD — 28.8 kg CUFT 2.97

- Special tool set for automobile, suitable for VOLKSWAGEN-GROUP, MERCEDES-BENZ, OPEL, BMW & Japanese passenger car



9-3544MRV #9 P.68



9-4537MRV #9 P.69



9-4147PRV #10 P.75

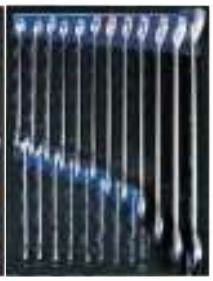
9-4401MPV #10 P.75



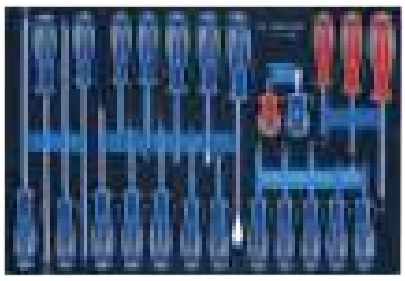
9-2565MRV #7 P.66
9-4129PRV #7 P.66



9-90119MRV #9 P.71



9-1220MRV #9 P.70



9-31124MRV #6 P.65



9-40104GPV #10 P.75



9-40113GPV #10 P.75



9-90135MRV #10 P.75



9-90118PRV #10 P.76

Tool Trolley Set

286 PC.

7 drawers, 92.8 kg, CUFT 15.21	 934-010MRV (87434-7B P.33)	 934-010MRV-G (87434-7B-G P.33)	 934-010MRV-B (87434-7B-B P.33)
7 drawers, 94.94 kg, CUFT 18.61	 9634-010MRV (87634-7B P.37)	 9634-010MRV-G (87634-7B-G P.37)	 9634-010MRV-B (87634-7B-B P.37)
7 drawers, 103.8 kg, CUFT 15.67	 9934F-010MRV (87934-7BF P.39)	 9934F-010MRV-G (87934-7BF-G P.39)	 9934F-010MRV-B (87934-7BF-B P.39)

Tool Trolley Contents

325 PC.



Contents No. 934-011MRVD

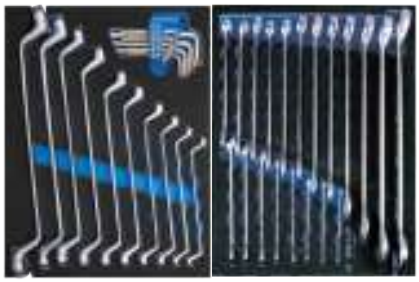
33.35 CUFT 3.73



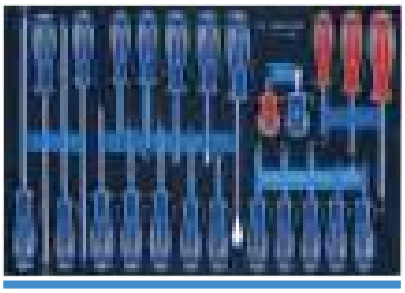
9-3544MRV #9 P.68 | 9-4537MRV #9 P.69



9-2565MRV #7 P.66
9-4143FRV #7 P.66
9-1112MRV #9 P.71



9-90119MRV #9 P.71 | 9-1220MRV #9 P.70



9-31124MRV #6 P.65



9-40104GPV #10 P.75 | 9-40113GPV #10 P.75 | 9-90135MRV #10 P.75 | 9-90118PRV #10 P.76



9-90413TQV #6 P.65



7962-04 P.430



9DC23 P.540



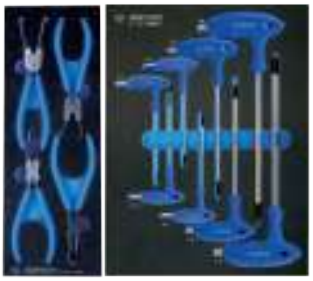
7963-04 P.430



2121-18 P.546



14210212 P.342
14226512 P.342



9-44214GPV #10 P.75 | 9-22108MRV #9 P.75

Tool Trolley Set

325 PC.

7 | 97.35 CUFT 15.97



934-011MRV (87434-7B P.33)



934-011MRV-G (87434-7B-G P.33)



934-011MRV-B (87434-7B-B P.33)

7 | 99.49 CUFT 19.37



9634-011MRV (87634-7B P.37)



9634-011MRV-G (87634-7B-G P.37)



9634-011MRV-B (87634-7B-B P.37)

7 | 108.35 CUFT 16.43



9934F-011MRV (87934-7BF P.39)



9934F-011MRV-G (87934-7BF-G P.39)



9934F-011MRV-B (87934-7BF-B P.39)

Tool Trolley Contents

327 PC.

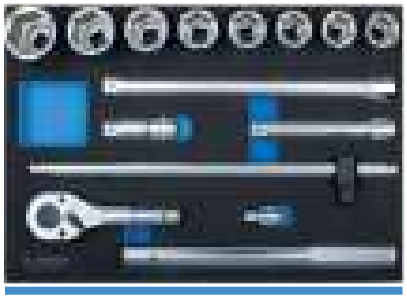


Contents No. 934-019MRVD

57.2 CUFT 5.44



9-9003MRV01 #6 P.62



9-6314MRV #6 P.62



9-99430MFV #6 P.62



9-30208MRV #9 P.72 | 9-1220MRV #9 P.70



9-42116GPV #9 P.71 | 9-6414MPV #9 P.70



9-40104GPV #10 P.75 | 9-40113GPV #10 P.75 | 9-4147PRV #10 P.75 | 9-90118PRV #10 P.75



9-10112MRV #7 P.67
9-4143FRV #7 P.67
9-1044CQV #10 P.67
9-21-20-07MRV #10 P.76

Tool Trolley Set

327 PC.

7 | 121.20 CUFT 17.68



934-019MRV (87434-7B P.33)



934-019MRV-G (87434-7B-G P.33)



934-019MRV-B (87434-7B-B P.33)

7 | 123.30 CUFT 21.08



9634-019MRV (87634-7B P.37)



9634-019MRV-G (87634-7B-G P.37)



9634-019MRV-B (87634-7B-B P.37)

7 | 132.20 CUFT 18.14



9934F-019MRV (87934-7BF P.39)



9934F-019MRV-G (87934-7BF-G P.39)



9934F-019MRV-B (87934-7BF-B P.39)

Tool Trolley Contents

525 PC.

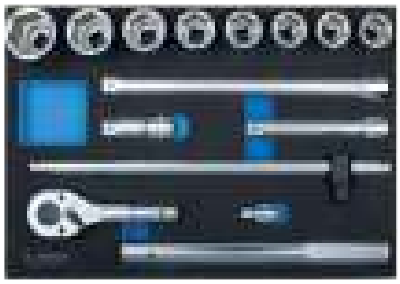


Contents No. 935-525CRVD

73.49 CUFT 6.51



9-9003MRV01 #6 P.62



9-6314MRV #6 P.62





9-9040SRV #9 P.69

9-4129PRV #7 P.66
9-3612MR #7 P.111



9-4147PRV 9-4401MPV 9-4435MP #9 P.112
#10 P.75 #10 P.75



9-1112MRV #9 P.71 9-1220MRV #9 P.70



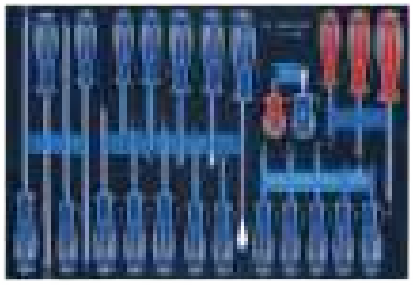
9-90119MRV #9 P.71 9-91190CRV #9 P.71



9-91124MRV #6 P.65



9-90217GRV #6 P.64



9-31124MRV #6 P.65







9-22108MRV #9 P.72 9-4143FRV #7 P.67
9-30904AY #7 P.111



9-90413TQV #6 P.65



74010
P.440



74020
P.440



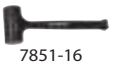
74060
P.440



7861-16
P.422



7811-12
P.422



7851-16
P.423



7911-12
P.441



21-20-101
P.336



6532-14
P.336



79094-08C
P.434



Tool Trolley Set

525 PC.



239.49
CUFT 38.05

935-525CRV
(87435-13B P.34)

Tool Chest Set

187 PC.

T.C.S.

911-004CRV

47.38 CUFT 6.51





9-9077CRV #1 P.59



9-42102GPV #2 P.60 | 9-40122GPV #2 P.60 | 9-40112GPV #2 P.60



9-91131MRV #3 P.61



9-91126SRV #3 P.61



9-90145CRV #3 P.67



79093-05C P.434



7811-16 P.422



87411-6B P.44

Tool Chest Set

219 PC.

T.C.S.

911-000CRV

48.27 CUFT 6.10





9-7069CRV #1 P.59



9-42114GPV #2 P.60 | 9-40102GPV #2 P.60 | 9-2548CRV #2 P.60



9-90129CRV #3 P.61



9-90128SR #3 P.61



9-90138CR #3 P.96



87411-6B P.44

Tool Chest Set

306 PC.

T.C.S.

919-001CRV

66.01 CUFT 11.05





9-9003MRV01 #6 P.62



9-9040SRV #9 P.69



9-1220MRV #9 P.69



9-90217GRV #6 P.64



9-31110MRV #9 P.64



9-91190CRV #9 P.72



9-91124MRV #6 P.65



79094-08C
P.434



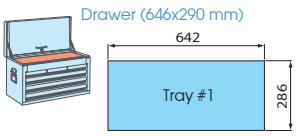
7911-12
P.441



87419-5B P.44



Tool Set Content

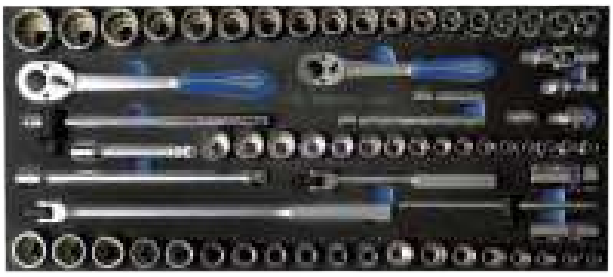


9-7069CRV

Tray category #1 (642 x 286mm)

70 PC.

Contents	7.5 kg	1 / 2
3330M	6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 19, 20, 21, 22	
3330S	3/8, 7/16, 1/2, 9/16, 5/8, 11 /16, 3/4, 13 /16	
4330MR	10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32	
4330SR	3/8, 7/16, 1/2, 9/16, 5/8, 11 /16, 3/4, 13 /16, 7/8, 15/16, 1	
463516R	463521R	3792
4791R	3779-08G	4779-10GR
3452-08F	4452-15FR	3812
3571-08	4572-10	4813
3221-03 3221-06	4251-05R 4251-10R	7911-12





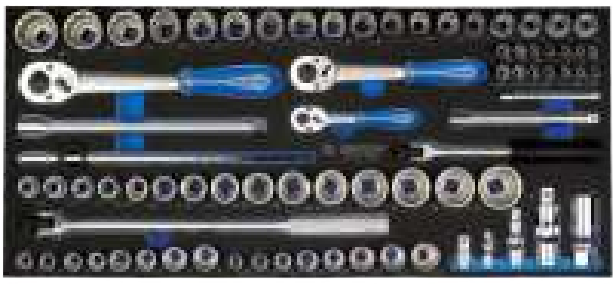
7911-12

9-9077CRV

Tray category #1 (642 x 286mm)

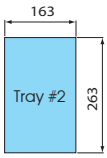
77 PC.

Contents	7.95 kg	1 / 2
2330M	4, 5, 6, 7, 8, 9, 10	
2330S	3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8	
3330M	10, 11, 12, 13, 14, 15, 17, 19	
3330S	3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16	
4330MR	10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32	
4330SR	3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1-1/16, 1-1/8, 1-3/16, 1-1/4	
463021R	2792	3792	4791R
2779-55G	3779-08G	3814
4779-10GR	2221-04	3221-06
4251-10R	3452-08F	4452-15FR
4572-12		



Tool Set Content





9-2548CRV Tray category #2 (263 x 163mm)



48 PC.

Contents — 1.28 kg — 1 / 10

2235M	4, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13
2235S	5/32, 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2
2335M	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13
2335S	5/32, 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2

2792 2813 2779-55G

2221-02
2221-04

9-40102GPV Tray category #2 (263 x 163mm)



2 PC.

Contents — 1.00 kg — 1 / 10

6011-10R 6511-10

9-40112GPV Tray category #2 (263 x 163mm)



2 PC.

Contents — 0.69 kg — 1 / 10

6231-08 6311-08

9-40122GPV Tray category #2 (263 x 163mm)



2 PC.

Contents — 0.95 kg — 1 / 10

6111-08 6011-10R

9-42102GPV Tray category #2 (263 x 163mm)



2 PC.

Contents — 0.32 kg — 1 / 10

68HS-07 68SS-07

9-42114GPV Tray category #2 (263 x 163mm)



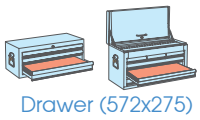
4 PC.

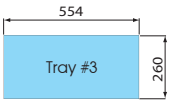
Contents — 0.60 kg — 1 / 10

68HS-07 68SS-07

68HB-07 68SB-07

Tool Set Content





9-91126SRV

Tray category #3 (554 x 260mm)

Contents		3.28 kg / 1 / 3
	5060	1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1
	5930	5/16 x 3/8, 3/8 x 7/16, 1/2 x 9/16, 9/16 x 5/8
	1130SR	3/32, 1/8, 5/32, 3/16, 1/4, 5/16, 3/8
	3611R	6, 12

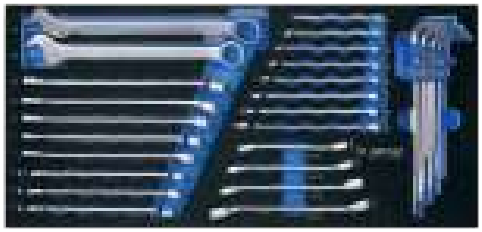


26 PC.

9-91131MRV

Tray category #3 (554 x 260mm)

Contents		2.98 kg / 1 / 4
	1930	8x10, 10x12, 11x13, 14x17
	1060	6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24
	1125MR	H1.5, H2.5, H2, H3, H4, H5, H6, H8, H10



31 PC.

9-90145CRV

Tray category #3 (554 x 260mm)

Contents		4.04 kg / 1 / 3
	1060	27, 30, 32
	5060	1-1/16, 1-1/8, 1-1/4
	1481	PH1x75, PH2x100, PH3x150
	1482	5.5x75, 6.5x100, 8x150
	1025S	3.0, 4.0, 5.0, 6.0
	1025P	PH1, PH2 x 2, PH3
	1025Z	PZ1, PZ2 x 2, PZ3
	1025T	T10, T15, T20, T25, T27, T30, T40
	1025H	H3, H4, H5, H6
	1025U	T10H, T15H, T20H, T25H, T27H, T30H, T40H
	7702-25	753-63 2141

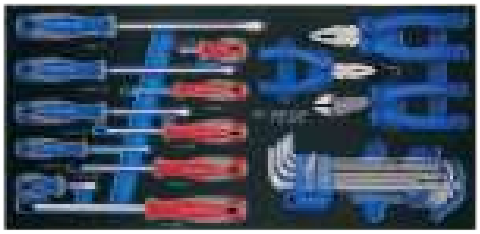


45 PC.

9-90129CRV

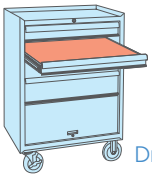
Tray category #3 (554 x 260mm)

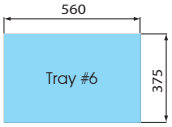
Contents		2.5 kg / 1 / 4
	1421	PH0 x 60, PH1 x 80, PH2 x 38, PH2 x 100, PH3 x 150
	1422	3 x 75, 6.5 x 38, 6.5 x 100, 6.5 x 150, 8 x 175
	1130SR	3/32, 1/8, 5/32, 3/16, 1/4, 5/16, 3/8
	1120MR	H1.5, H2, H2.5, H3, H4, H5, H6, H8, H10
	6111-07	6231-07
	6311-06	



29 PC.

Tool Set Content





Drawer (579 x 380 mm)

9-6314MRV

Tray category #6 (560 x 375mm)

Contents			kg 9.96	1 / 2
○	6335M	33, 34, 35, 36, 38, 41, 46, 50		
	6572-20		6779-20F	
	6251-04 6251-08 6251-16		6814	

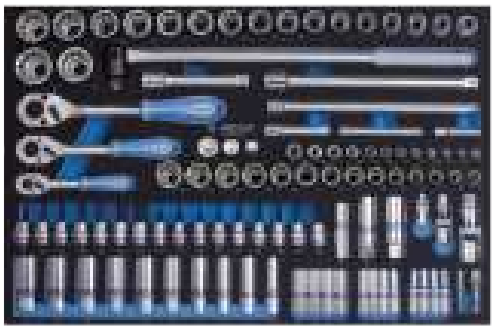


14 PC.

9-9003MRV01

Tray category #6 (560 x 375mm)

Contents			kg 7.30	1 / 3
○	2235M	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13		
○	2335M	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13		
✱	3023	T10,T15,T20,T25,T27,T30,T40,T45,T50		
●	3025	H3,H4,H5,H6,H8,H10,H12		
○	3235M	10,12,13,14,15,16,17,18,19,21		
○	3330M	8,10,11,12,13,14,15,16,17,18,19,20,21,22		
○	4330MR	10,12,13,14,15,16,17,18,19,20,21,22,23,24,27,28,30,32		
	7702-50		7703-50	
	2792		3792	4791R
	363516		363521	36A014
	2813		3812	4813
	2221-02 2221-04		3221-03 3221-10	4251-05R 4251-10R
	2771-55G		3771-08G	
	4771-10GR		4462-18F	



103 PC.

9-99430MFV

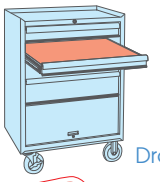
Tray category #6 (560 x 375mm)

Contents			kg 12.38	1 / 2
○	8435M	27, 30, 32, 33, 36		
✪	3375M	E4, E5, E6, E7, E8, E11		
✪	4375M	E10, E12, E14, E16, E18, E20, E22		
✪	6575M	E24, E26, E28, E30, E32		
●	4025	H14, H17, H19		
	8866P	7823-20	9DC22	320560



30 PC.

Tool Set Content



Drawer (579 x 380 mm)

9-44803AMPV new

9-44803AMPV01 new

Tray category #6 (560 x 375mm)



9-44803AMPV



9-44803AMPV01

41 PC.

KT NO.		Contents			9.50	1 / 2
9-44803AMPV	33481-095	4945MX	17, 19, 21		79900-10	
9-44803AMPV01	33411-050	4435M	10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24		34423-1A	
		4535M	10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24, 27, 30, 32		4797P	4260-03P 4260-05P
					SY-211M x2	33411-71

9-44805AMPV new

Tray category #6 (560 x 375mm)

Contents			9.76	1 / 2
4945MX	17, 19, 21			
4435M	10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24			
4535M	10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24, 27, 30, 32			
33481-095	37435-075	33411-71		
34423-1A	SY-211M x2			
4797P	4260-03P 4260-05P			



41 PC.

9-94437MRV

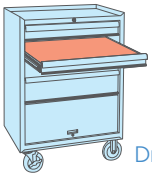
Tray category #6 (560 x 375mm)

Contents		4.61	1 / 2
1060	8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24		
3731M	8, 10, 11, 12, 13, 14, 15		
4435M	17, 19, 21		
1836P	PH2, PH3		
1836S	9, 11		
1880P	PH2, PH3		
1880S	8, 10		
4112	414810S		



37 PC.

Tool Set Content



Drawer (579 x 380 mm)

9-90217GRV

Tray category #6 (560 x 375mm)

Contents	3.89	1 / 6
764	3,4,5,6	
76105-06	76717-05	
7811-16	6011-10R	
6111-08	6231-07	6311-08
6314-05	68HB-07	68HS-07
68SB-07	68SS-07	6511-10C

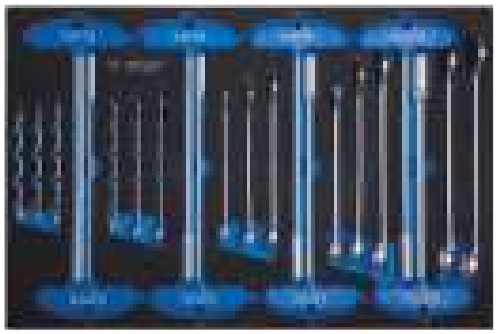


17 PC.

9-91122MRV

Tray category #6 (560 x 375mm)

Contents	3.18	1 / 5
1060	8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 19, 21, 22, 24	
115HM	H6, H7, H8, H9, H10, H11, H12, H13	

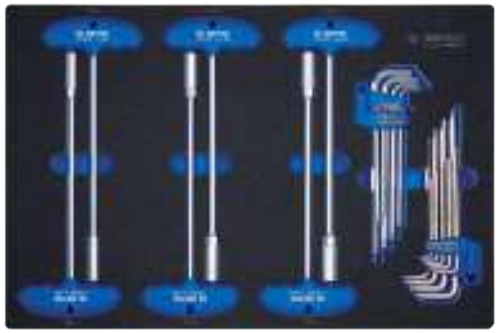


22 PC.

9-22124MRV50

Tray category #6 (560 x 375mm)

Contents	2.18	1 / 5
115HM	H7, H8, H10, H11, H12, H13	
ST20109MR	ST20419PR	



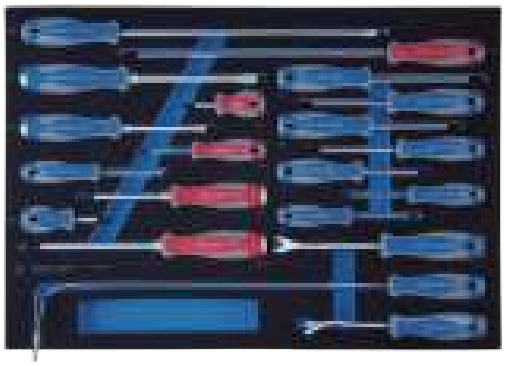
24 PC.

9-31920MRV

new

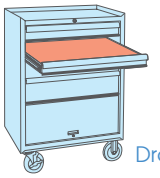
Tray category #6 (560 x 375mm)

Contents	2.01	1 / 2
1421	PH0 x 60, PH2 x 38, PH2 x 300	
1422	3 x 75, 6.5 x 38, 6.5 x 300	
1427	T8H x 75, T10H x 75, T15Hx 75, T20H x 100, T25H x 100, T27H x 100, T30H x 125,	
1461	PH2 x 100, PH3 x 150	
1462	6.5 x 100, 8 x 150	
43280212	48280180	
2121-18		



20 PC.

Tool Set Content

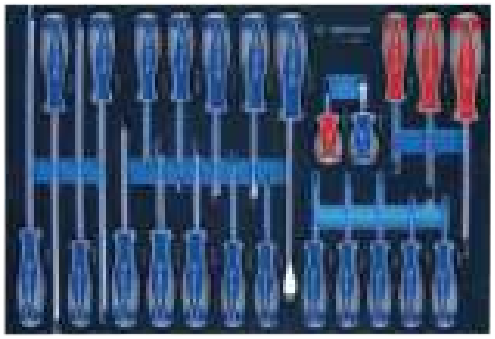


Drawer (579 x 380 mm)

9-31124MRV

Tray category #6 (560 x 375mm)

Contents		2.41	1 / 5
1421	PH2x38, PH1x80, PH2x100, PH3x150		
1422	3x75, 4x100, 5.5x100, 6.5x100, 10x200, 6.5x38		
1423	T6x48, T7x48, T8x75, T9x75, T10x75, T15x75, T15x250, T20x100, T20x250, T25x100, T25x250, T27x100, T30x125, T30x250		



24 PC.

9-91124MRV

Tray category #6 (560 x 375mm)

Contents		4.12	1 / 5
3731	10, 12, 13, 14, 17, 18, 19		
1421	PH2 x 300		
1422	5 x 300		
74030		6615-11	
3611-10R 3611-12R		9TK118	
79063-12		11409SQ05	




11409SQ05

24 PC.

9-90413TQV

Tray category #6 (560 x 375mm)

Contents		2.49	1 / 5
115HM	8, 10, 13		
9CZ101		115345R	
48280180		43280212	
43240115Y		75102-08G	
75202-08G		75302-08G	
75402-08G		75502-08G	

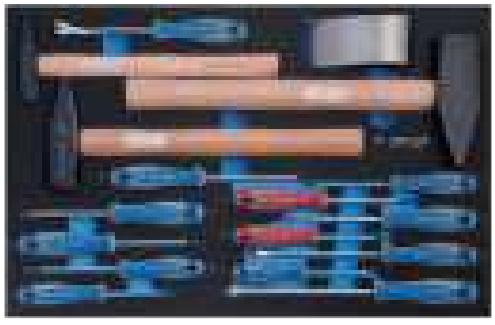


13 PC.

9-91217MRV

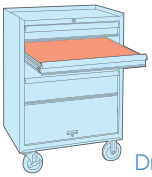
Tray category #6 (560 x 375mm)

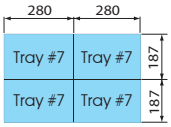
Contents		6.11	1 / 2
1421	PH1 x 80, PH2 x 100		
1422	3 x 75, 4 x 100, 5.5 x 125, 6.5 x 150, 8 x 175		
1423	T15 x 75, T20 x 100, T25 x 100, T27 x 100, T30 x 125		
48280180		9CF220	
7823-10 7823-20		7821-30	



17 PC.

Tool Set Content





Drawer (579 x 380 mm)

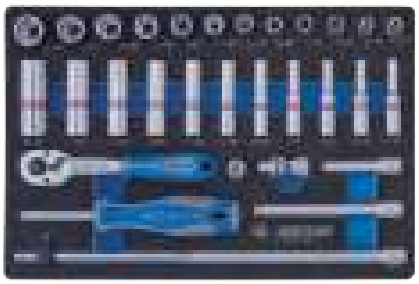
T.C.S.

9-2331SRV new

Tray category #7 (280 x 187mm)

Contents — 0.97 kg — 1 / 10

2335S	5/32, 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 15/32, 1/2, 9/16
2235S	5/32, 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2, 9/16
2771-55G, 2571-45, 2142	
2221-02, 2221-04, 2221-06, 2792, 2178DF	



31 PC.

9-2534MRV

Tray category #7 (280 x 187mm)

Contents — 1.11 kg — 1 / 10

2335M	4, 4.5, 5 ,5.5 , 6 , 7 , 8 , 9 , 10 , 11 , 12 , 13, 14
2235M	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14
2771-55G, 2571-45	
2792, 2178DF, 2142	
2221-02, 2221-04, 2221-06	



34 PC.

9-2565MRV

Tray category #7 (280 x 187mm)

Contents — 1.38 kg — 1 / 10

2335M	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14
2235M	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14
2375M	E4, E5, E6, E7, E8
2013X	T8, T9, T10, T15, T20, T25, T27, T30, T40
2015X	H3, H4, H5, H6, H8
2018X	PZ1, PZ2
2011X	PH1, PH2
2012X	3.5, 5.5, 8
1025T	T6, T7
1025M	M4, M5, M6, M8, M10



65 PC.

Contents

2792, 2813, 276A-04G	
2221-02, 2221-04, 2221-06	

9-4138PRV new

Tray category #7 (280 x 187mm)

Contents — 1.85 kg — 1 / 10

4033	T20, T25, T27, T30, T40, T45, T50, T55, T60
4035	H4, H5, H6, H7, H8, H10, H12, H14, H17



18 PC.

9-4129PRV

Tray category #7 (280 x 187mm)

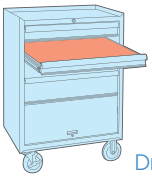
Contents — 2.07 kg — 1 / 10

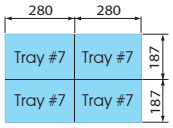
4025	H3, H4, H5, H6, H7, H8, H10, H12, H14, H17, H19
4026	M5, M6, M8, M10, M12, M14
402B	M16, M18



19 PC.

Tool Set Content





Drawer (579 x 380 mm)

T.C.S.

9-7128PRV new

Tray category #7 (280 x 187mm)

Contents			1.30	1 / 10
	3023	T15, T20, T25, T27, T30, T40, T45, T50		
	3025	H3, H4, H5, H6, H7, H8 H10, H12		
	3375	E8, E10, E12, E14, E16, E18		
	4375	E10, E12, E14, E16, E18, E20		



28 PC.

9-4429MPV new

Tray category #7 (280 x 187mm)

Contents			2.75	1 / 4
	4535M	10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24, 27, 30, 32, 33, 34, 36		



19 PC.

9-10112MRV

Tray category #7 (280 x 187mm)

Contents			1.13	1 / 10
	3731	10, 11, 12, 13, 14, 15, 16, 17, 19		
	373202R			
	373203R			
	373204R			



12 PC.

9-4143FRV

Tray category #7 (280 x 187mm)

Contents			1.63	1 / 8
	1636H	H5, H6, H7, H8, H10, H12		
	1636M	M6, M8, M10, M12		
	1636T	T30, T40, T45, T50, T55, T60		
	1832H	H3, H4, H5, H6, H7, H8, H10, H12		
	1832T	T15, T20, T25, T27, T30, T40, T45, T50		
	1836P	PH2, PH3		
	1836S	9 x 1.6, 11 x 2		
	1880P	PH2, PH3		



43 PC.

Contents

	1880S	8 x 1.2, 10 x 1.6
	414810M, 414810S	
	4112	

9-30904AYV new

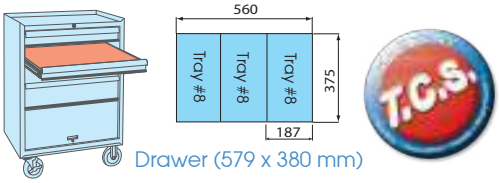
Tray category #7 (280 x 187mm)

Contents			0.45	1 / 10
	43250115Y			
	43260115Y			
	43270115Y			
	43290115Y			



4 PC.

Tool Set Content



Drawer (579 x 380 mm)

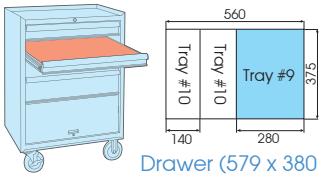
9-2550MRV

Tray category #8 (375 x 187mm)

Contents			1.37	1 / 15
○		2335M	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14	
✪		2375M	E4, E5, E6, E7, E8	
⊕		2031	PH1, PH2, PH3, PH4	
⊖		2032	4, 5.5, 6.5, 8, 10	
✱		2033	T8, T9, T10, T15, T20, T25, T27, T30, T40	
⬢		2035	H3, H4, H5, H6, H7, H8, H10	
		2771-55G		2178DF
		2792		2571-45
		2293-04 2293-06		2221-02



50 PC.



Drawer (579 x 380 mm)

9-3544MRV

Tray category #9 (375 x 280mm)

Contents			3.19	1 / 5
○		3335M	10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22	
✪		3375M	E7, E8, E10, E11, E12	
○		3230M	8, 10, 11, 12, 13, 14, 16, 17, 19	
○		3750M	10, 11, 12, 13, 14, 15, 16, 17, 18, 19	
		3812 3814		3779-08G
		3223-14		3221-03 3221-06 3221-10

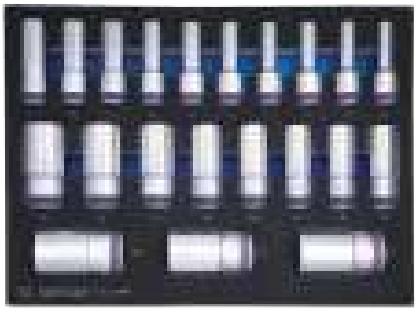


44 PC.

9-4221MRV new

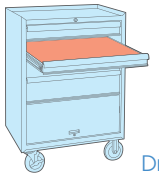
Tray category #9 (375 x 280mm)

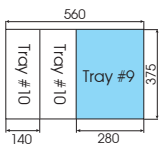
Contents			3.97	1 / 5
○		4230	8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24, 27, 30, 32, 33, 34, 36	



21 PC.

Tool Set Content





Drawer (579 x 380 mm)

9-4527MRV02

Tray category #9 (375 x 280mm)

Contents			4.72	1 / 5
4335MR	8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 23, 24, 27, 29, 30, 32			
4771-10GR		4791R		
4572-12		4251-05R 4251-10R		
4452-15FR		4581-10		



27 PC.

9-4537MRV

Tray category #9 (375 x 280mm)

Contents			4.39	1 / 5
4335MR	8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 26, 27, 28, 30, 32			
4375M	E10, E12, E14, E16, E18, E20, E22, E24			
4779-10GR		4293-02		
4251-05R 4251-10R		463516R 463521R		
4791R		463014RC		



37 PC.

9-9040SRV

Tray category #9 (375 x 280mm)

Contents		3.02	1 / 5
2335S	5/32, 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2		
3330S	3/8, 7/16, 1/2, 9/16, 5/8		
4330SR	3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1-1/8, 1-1/4,		
5060	1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 7/8, 15/16, 1		



40 PC.

9-7560MRV01

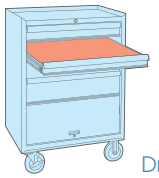
Tray category #9 (375 x 280mm)

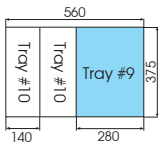
Contents			6.24	1 / 2
2335M	4, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14			
4335MR	10, 11, 13, 14, 15, 16,17, 18, 19, 20, 21, 22, 24, 27, 30, 32			
1025S	3, 4.5, 5, 6.5, 8			
1025P	PH0, PH1, PH2, PH3			
1025U	T10H, T15H, T20H, T25H, T27H, T30H, T40H			
1025Z	PZ1, PZ2, PZ3			
276A-04G		4771-10GR		
4452-15FR		4572-12		2745
213312DF		2792		4791R
2223-02 2223-04		4251-05R 4251-10R		2813



60 PC.

Tool Set Content





Drawer (579 x 380 mm)

9-4419MPV new

Tray category #9 (375 x 280mm)

Contents		5.6	1 / 2
4435M	10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24, 27, 30, 32, 33, 34, 36		



19 PC.

9-6414MPV

Tray category #9 (375 x 280mm)

Contents		10.08	1 / 2
6435M	19, 21, 22, 24, 26, 27, 29, 30, 32, 33, 35, 36, 38, 41		



14 PC.

9-1220MRV

Tray category #9 (375 x 280mm)

Contents		3.49	1 / 4
1060	6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24, 27, 30, 32		

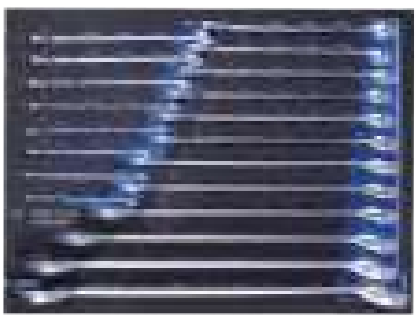


20 PC.

9-12D20MRV new

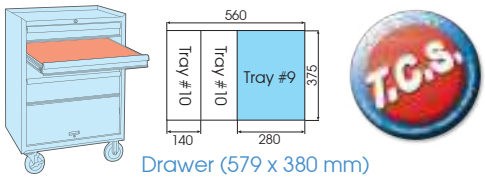
Tray category #9 (375 x 280mm)

Contents		3.45	1 / 4
1062	6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24, 27, 30, 32		



20 PC.

Tool Set Content



Drawer (579 x 380 mm)

9-12A1MRV

Tray category #9 (375 x 280mm)

Contents		1.75	1 / 10
1061	8, 10, 12, 13, 14, 16, 17, 18, 19, 22, 24		



11 PC.

9-1112MRV

Tray category #9 (375 x 280mm)

Contents		2.34	1 / 4
1900	6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22, 21x23, 24x27, 25x28, 30x32		

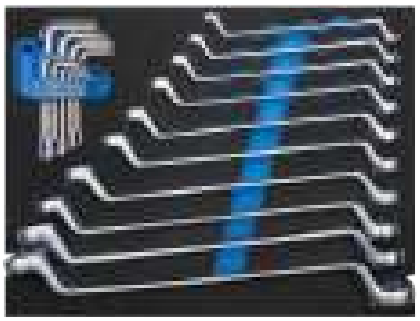


12 PC.

9-90119MRV

Tray category #9 (375 x 280mm)

Contents		3.04	1 / 4
1970	6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22, 24x27, 30x32		
1143	T10, T15, T20, T25, T27,T30, T40, T45, T50		



19 PC.

9-42116GPV

Tray category #9 (375 x 280mm)

Contents		1.54	1 / 5

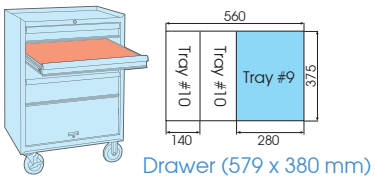






6 PC.

Tool Set Content



Drawer (579 x 380 mm)

9-91190CRV

Tray category #9 (375 x 280mm)

Contents			2.22	1 / 10
1025S	3.0, 4.0, 5.0, 6.0			
1025P	PH1, PH2 x 2, PH3			
1025Z	PZ1, PZ2 x 2, PZ3			
1025T	T10, T15, T20, T25, T27, T30, T40			
1025H	H3, H4, H5, H6			
1025U	T10H, T15H, T20H, T25H, T27H, T30H, T40H			
1025R	RB2			
7702-25		753-63		
10D0	10,12,13,14,17,18,19			
1130MR	H2.5, H3, H4, H5, H6, H8, H10			



90 PC.

Contents

1130SR	3/32, 1/8, 5/32, 3/16, 1/4, 5/16, 3/8	
1147R	T10H, T15H, T20H, T25H, T27H, T30H, T40H	
3611-06R 3611-08R		77328-26
276A-04G		

9-22108MRV

Tray category #9 (375 x 280mm)

Contents		0.89	1 / 5
1160MR	H2, H2.5, H3, H4, H5, H6, H8, H10		



8 PC.

9-22308PRV new

Tray category #9 (375 x 280mm)

Contents		1.85	1 / 10
1163R	T10H, T15H, T20H, T25H, T30H, T40H, T45H, T50H		

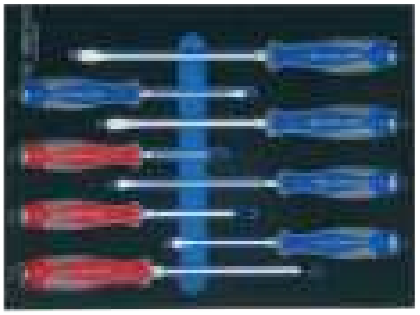


8 PC.

9-30208MRV

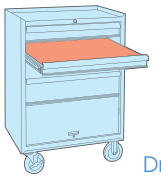
Tray category #9 (375 x 280mm)

Contents		1.41	1 / 5
1461	PH1 x 75, PH2 x 100, PH3 x 150		
1462	5.5 x 100, 6.5 x 100, 6.5 x 150, 8 x 150, 8 x 175		



8 PC.

Tool Set Content

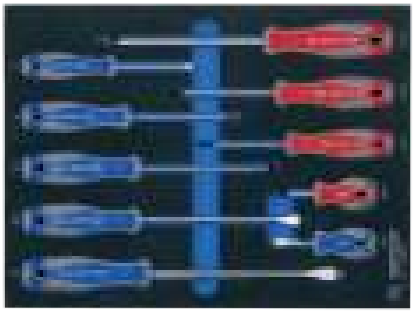


Drawer (579 x 380 mm)

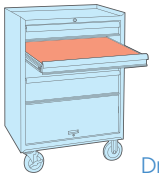
9-31110MRV

Tray category #9 (375 x 280mm)

Contents		2.46	1 / 4
⊕ 1421	PH1 x 80, PH2 x100, PH3 x 150, PH2 x 38		
⊖ 1422	3 x 75, 4 x 100, 5.5 x 125, 6.5 x 38, 6.5 x 150, 8 x 175		



10 PC.

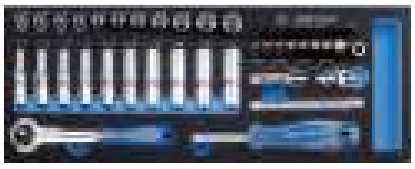


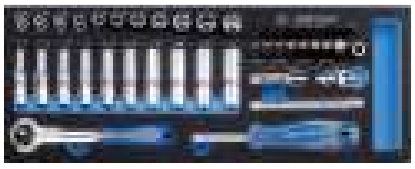
Drawer (579 x 380 mm)

9-2544SRV

9-2044SRV

Tray category #10 (375 x 140mm)


9-2544SRV


9-2044SRV

44 PC.

KT NO.	Contents			0.92	1 / 6
9-2544SRV	○ 2335S	5/32, 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 15/32, 1/2	○ 2235S	5/32, 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2	2752-06G
9-2044SRV	○ 2330S	5/32, 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 15/32, 1/2	⊖ 1025S	3, 4.5, 5, 6.5, 8	2178DF
			⊕ 1025P	PH0, PH1, PH2, PH3	2792
			◉ 5025H	H3/64, H1/16, H5/64, H3/32, H7/64, H1/8, H9/64, H5/32	2223-02 2223-04
					2142

9-2548MRV

9-2048MRV

Tray category #10 (375 x 140mm)

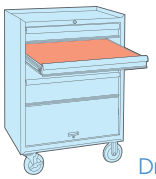

9-2548MRV

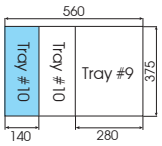

9-2048MRV

48 PC.

KT NO.	Contents			1.09	1 / 6
9-2548MRV	○ 2335M	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14	○ 2235M	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14	2752-06G
9-2048MRV	○ 2330M	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14	⊖ 1025S	3, 4.5, 5, 6.5, 8	2178DF
			⊕ 1025P	PH0, PH1, PH2, PH3	2792
			◉ 5025H	H3, H4, H5, H6, H7, H8, H10	2223-02 2223-04
					2142

Tool Set Content





Drawer (579 x 380 mm)

T.C.S.

9-2553MRV

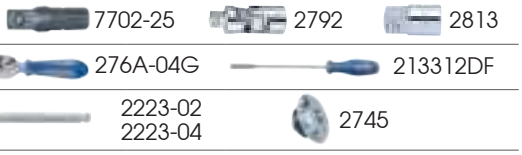
Tray category #10 (375 x 140mm)

Contents		0.98	1 / 6
2335M		4, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14	
1025H		H3, H4, H5, H6, H7, H8, H10	
1025S		3, 4.5, 5, 6.5, 8	
1025P		PH0, PH1, PH2, PH3	
1025U		T10H, T15H, T20H, T25H, T27H, T30H, T40H	
1025Z		PZ1, PZ2, PZ3	
1025T		T10, T15, T20, T25, T27, T30, T40	



53 PC.

Contents



9-2553MRV01

Tray category #10 (375 x 140mm)

Contents		0.97	1 / 6
2335M		4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14	
1025H		H3, H4, H5, H6, H7,H8, H10	
1025T		T10, T15, T20, T25, T27, T30, T40	
1025U		T10H, T15H, T20H, T25H, T27H, T30H, T40H	
1025P		PH1, PH2, PH3	
1025Z		PZ1, PZ2, PZ3	
1025S		3, 4.5, 5, 6.5, 8	



55 PC.

Contents



9-3523MRV10

Tray category #10 (375 x 140mm)

Contents		1.73	1 / 6
3335M		6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 19, 21, 22, 23, 24	
3771-08G		3792	
3571-08		3452-08G	
3293-03 3293-06			



23 PC.

9-3523MRV11 new

9-3023MRV11 new

Tray category #10 (375 x 140mm)

KT NO.	Contents		1.09	1 / 6
9-3523MRV11	3335M	6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24	3771-08G 3293-03 3293-06 3453-08 3571-08 3792	
9-3023MRV11	3330M	6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24		



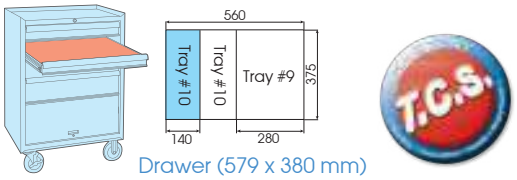
9-3523MRV11



9-3023MRV11

23 PC.

Tool Set Content



Drawer (579 x 380 mm)

9-4147PRV

Tray category #10 (375 x 140mm)

Contents			1.81 kg	1 / 5
		40D0	H6, H8, H10	
		4066	M8, M9, M10, M12, M14	
		4023	T20, T25, T27, T30, T40 T45, T50, T55, T60	



17 PC.

9-4401MPV

Tray category #10 (375 x 140mm)

Contents			2.23 kg	1 / 6
		4945MX	17, 19, 21	
		4535M	17, 19, 32, 34, 36	
		4415M	17, 19, 21	



11 PC.

9-90135MRV

Tray category #10 (375 x 140mm)

Contents			1.81 kg	1 / 6
		1930	8x10, 10x12, 11x13, 12x14, 17x19, 19x22	
		1120MR	H1.5, H2, H2.5, H3, H4, H5, H6, H8, H10	



15 PC.

9-90135SRV new

Tray category #10 (375 x 140mm)

Contents			1.28 kg	1 / 6
		5930	5/16 x 3/8, 3/8 x 7/16, 1/2 x 9/16, 9/16 x 5/8, 11/16 x 3/4, 3/4 x 7/8	
		1125SR	1/16, 5/64, 3/32, 1/8, 5/32, 3/16, 1/4, 5/16, 3/8	

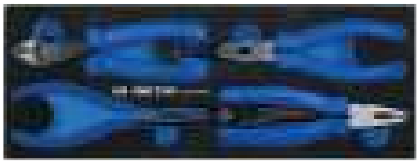


15 PC.

9-40104GPV

Tray category #10 (375 x 140mm)

Contents			1.08 kg	1 / 8
	6311-08		6111-06	
	6231-07		6319-11C	



4 PC.

9-40113GPV

Tray category #10 (375 x 140mm)

Contents			1.12 kg	1 / 8
	6011-10R		6516-10C	6314-05



3 PC.

9-44214GPV

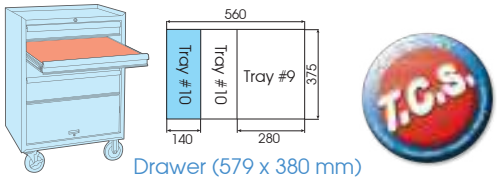
Tray category #10 (375 x 140mm)

Contents			1.08 kg	1 / 8
67HS-07	67HB-07	68SS-07	68SB-07	



4 PC.

Tool Set Content

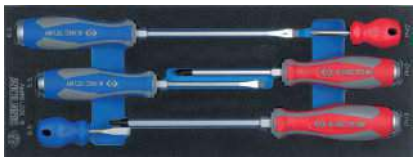


Drawer (579 x 380 mm)

9-30216MRV

Tray category #10 (375 x 140mm)

Contents			0.71 kg	1 / 6
	1461	PH2 x 100, PH3 X 150		
	1462	5.5 X 100, 6.5 X 150		
	1411	PH2 x 38		
	1412	6.5 x 38		



6 PC.

9-1044CQV

Tray category #10 (375 x 140mm)

Contents			1.75 kg	1 / 6
	1636H	H4, H5, H6, H7, H8, H10, H12		
	1680H	H4, H5, H6, H7, H8, H10, H12		
	1636M	M5, M6, M8, M10, M12		
	1680M	M5, M6, M8, M10, M12		
	1636T	T20, T25, T27, T30, T40, T45, T50, T55, T60		



Contents

1680T	T20, T25, T27, T30, T40, T45, T50, T55, T60	
314810M	414810M	

44 PC.

9-90118PRV

Tray category #10 (375 x 140mm)

Contents			1.28 kg	1 / 6
76104-05		7821-30		
76217-06 76220-07		76403-06 76404-06 76405-65 76406-07		



8 PC.

9-90305TQV

Tray category #10 (375 x 140mm)

Contents			0.91 kg	1 / 6
7971-07		77141-08		
77335-25		9BM120		
79093-05C				



5 PC.

9-21-20-07MRV

Tray category #10 (375 x 140mm)

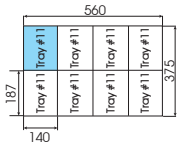
Contents			0.91 kg	1 / 6	Each Q'ty
4 x 8 mm		4 x 10 mm			20
4 x 8 mm		4 x 10 mm			
4.8 x 8 mm		4.8 x 10 mm			
21-20-101					1



121 PC.

Tool Set Content





Drawer (579 x 380 mm)

9-2516MRV03

Tray category #11 (187 x 140mm)

Contents	0.47	1 / 12
2335M	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14	
2771-55G	2571-45	
2221-06	2792	



17 PC.

9-2524MRV

Tray category #11 (187 x 140mm)

Contents	0.63	1 / 12
2335M	4, 4.5, 5 , 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14	
2771-55G	2571-45	2142
2221-02 2221-04 2221-06	2792	2178DF



21 PC.

9-2528MRV

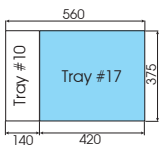
Tray category #11 (187 x 140mm)

Contents	0.48	1 / 12
2335M	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11,12, 13, 14	
1025H	H3, H4, H5, H6	
1025S	4, 5	
1025T	T10, T15, T20, T30	
1025P	PH1, PH2	
276A-04G	2792	
2221-06	2142	



29 PC.





Drawer (579 x 380 mm)

9-91113SRV new

Tray category #17 (375 x 420mm)

Contents	3.65	1 / 5
5970	1/4 x 5/16, 3/8 x 7/16 1/2 x 9/16, 5/8 x 11/16 3/4 x 7/8, 15/16 x1 1-1/16 x 1-1/8, 1-1/8 x 1-1/4 1-3/16 x 1-5/16	
3812	2813	3814 4813



13 PC.

Fill Your Drawer

How to complete your tool trolley set and tool chest set

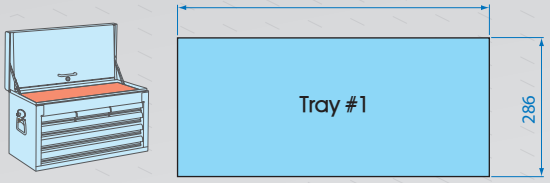
The drawer of tool chest includes one top drawer and different size

CAUTION

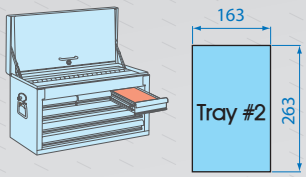
- Do not move the box / trolley unless you have closed the cover and locked the drawers
- Never open more than one loaded drawer at the same time
- Watch for sharp edges, we suggest to put on gloves before you lift the unit

Drawer (646x290 mm)



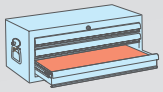


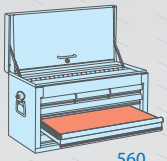
Drawer (172x275 mm)

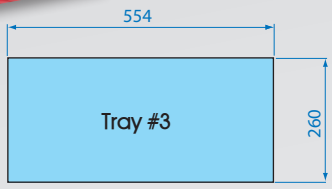


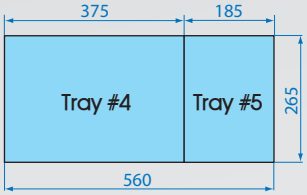
Drawer (572x275 mm)

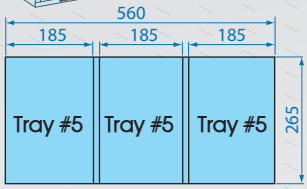






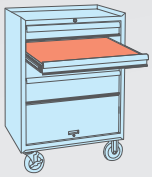


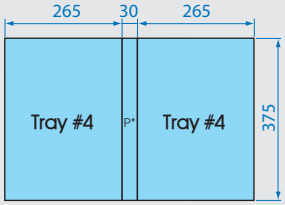


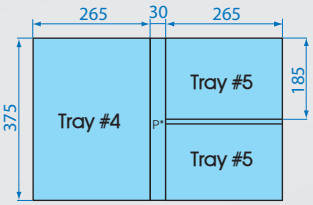


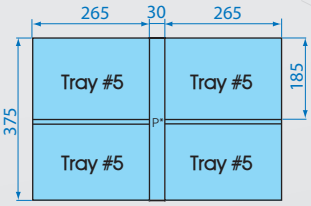
Drawer (579x380 mm)

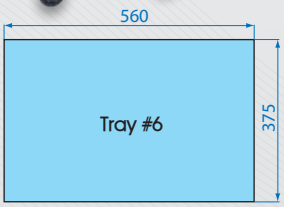


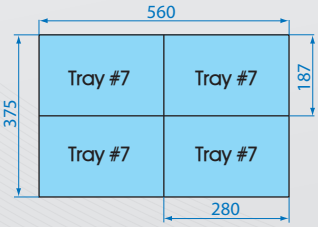


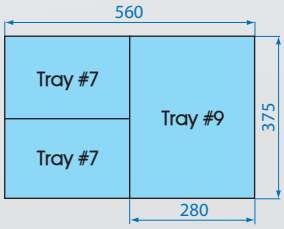


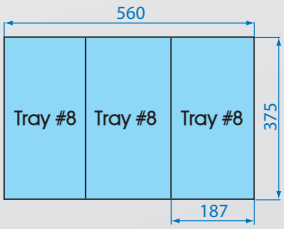


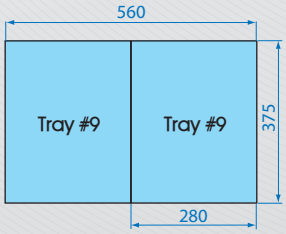


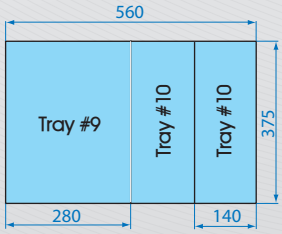


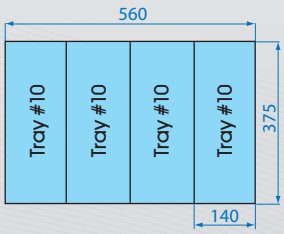


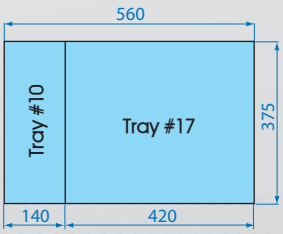






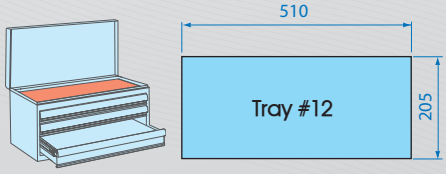


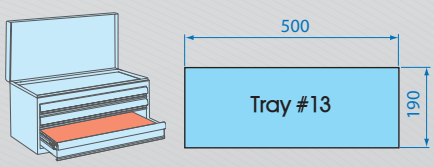




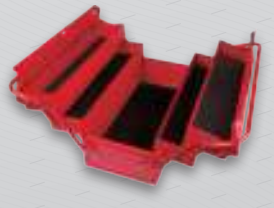
Drawer (504 x 195 mm)

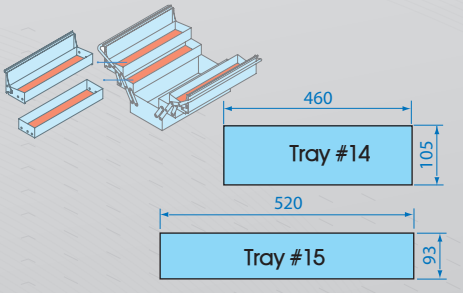


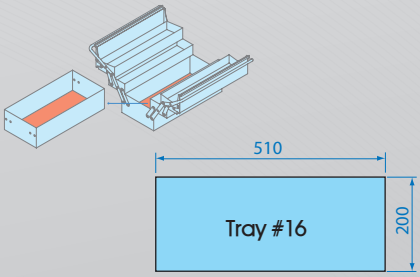




87402 Drawer (470 x 220 mm) #14
87408 Drawer (530 x 220 mm) #15







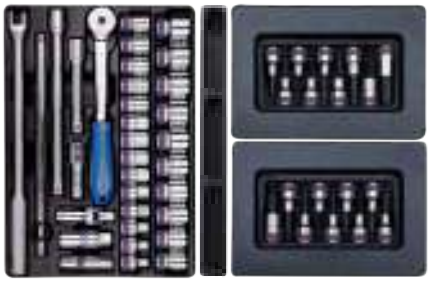
Tool Trolley Contents

101 PC.



Contents No. 932-009MRD

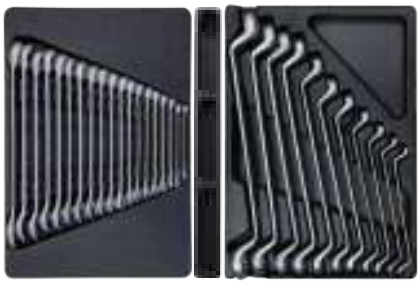
19.80 CUFT 2.41



9-4333MR #4 P.98

9-4120PR #5 P.107
9-4119PR #5 P.107

84700612B P*



9-1219MR01 #4 P.100

9-1711MR #4 P.102

84700612B P*



9-90106SR #4 P.105

9-40103GP #5 P.108

84700612B P*



1110MR P.296



34423-1A P.275

Tool Trolley Set

101 PC.

5	75.8 CUFT 14.65	 932-009MR (87432-5B P.33)	 932-009MR-G (87432-5B-G P.33)	 932-009MR-B (87432-5B-B P.33)
5	78.8 CUFT 18.05	 9632-009MR (87632-5B P.37)	 9632-009MR-G (87632-5B-G P.37)	 9632-009MR-B (87632-5B-B P.37)
7	85.94 CUFT 18.05	 9634-009MR (87634-7B P.37)	 9634-009MR-G (87634-7B-G P.37)	 9634-009MR-B (87634-7B-B P.37)
7	94.8 CUFT 15.11	 9934F-009MR (87934-7BF P.39)	 9934F-009MR-G (87934-7BF-G P.39)	 9934F-009MR-B (87934-7BF-B P.39)

Tool Trolley Contents

144 PC.



Contents No. 932-010MRD

17.50 CUFT 1.86



9-4328MR #4 P.98



9-5575MR #4 P.98

84700612B P*



9-1216MR01 #4 P.100



9-1709MR #4 P.101

84700612B P*



9-90106SR #4 P.105



9-31106MR #5 P.108

9-40103GP #5 P.108

84700612B P*



34423-1A P.275

Tool Trolley Set

144 PC.

5	73.5 CUFT 14.1	 932-010MR (87432-5B P.33)	 932-010MR-G (87432-5B-G P.33)	 932-010MR-B (87432-5B-B P.33)
5	76.5 CUFT 17.5	 9632-010MR (87632-5B P.37)	 9632-010MR-G (87632-5B-G P.37)	 9632-010MR-B (87632-5B-B P.37)
7	83.64 CUFT 17.5	 9634-010MR (87634-7B P.37)	 9634-010MR-G (87634-7B-G P.37)	 9634-010MR-B (87634-7B-B P.37)
7	92.5 CUFT 14.56	 9934F-010MR (87934-7BF P.39)	 9934F-010MR-G (87934-7BF-G P.39)	 9934F-010MR-B (87934-7BF-B P.39)

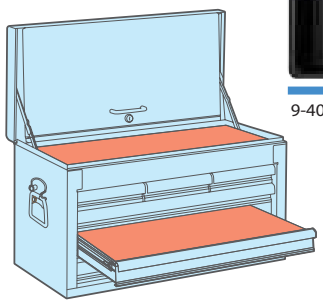
Tool Trolley Contents

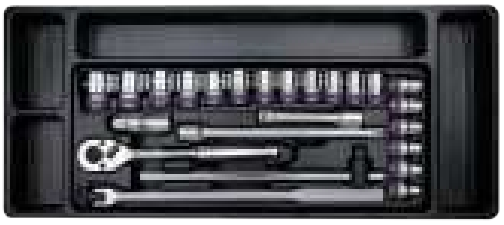
170 PC.



Contents No. 941-101MRD

24.80 CUFT 2.54





9-4026MR02 #1 P.94



9-3023MR01 #4 P.98

9-2526MR #5 P.107



9-22308PR #4 P.72

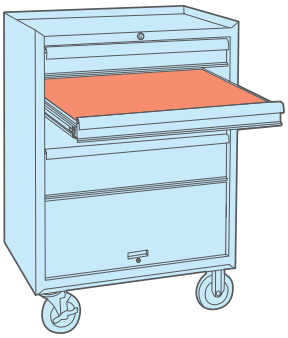
9-31106MR #5 P.108



9-4120PR #5 P.107

9-4119PR #5 P.107

9-1303MR #5 P.107





9-1711MR #4 P.102

9-1216MR #4 P.100

84700612B P*



9-90103RR #4 P.105

9-20110MR #5 P.108

9-40103GP #5 P.108

84700612B P*



9-4128FR #5 P.108



1010PR P.425

Tool Trolley Set

170 PC.

5

106.2
CUFT 18.31



941-101MR
(87411-6B P.44
87432-5B P.33)

5

109.2
CUFT 22.15



9641-101MR
(87411-6B P.44
87632-5B P.33)

7

125.2
CUFT 19.21



9644-101MR
(87411-6B P.44
87634-7B P.33)

Tool Trolley Contents

173 PC.



Contents No. 932-000MRD

24.70 CUFT 2.10



9-4333MR #4 P.98 | 9-7540MR #4 P.99
84700612B P*



9-1216MR01 #4 P.100 | 9-1711MR #4 P.102
84700612B P*



9-90131MR #4 P.100 | 9-31110MR #4 P.106
84700612B P*



9-22108MR #4 P.105 | 9-22308PR #4 P.105
84700612B P*



9-90103PP #4 P.105 | 9-40207GP #4 P.104
84700612B P*



1006PR #4 P.425

Tool Trolley Set

173 PC.

5 — 80.70 CUFT 14.34	932-000MR (87432-5B P.33)	932-000MR-G (87432-5B-G P.33) / 932-000MR-B (87432-5B-B P.33)
5 — 83.7 CUFT 17.74	9632-000MR (87632-5B P.37)	9632-000MR-G (87632-5B-G P.37) / 9632-000MR-B (87632-5B-B P.37)
7 — 90.84 CUFT 17.74	9634-000MR (87634-7B P.37)	9634-000MR-G (87634-7B-G P.37) / 9634-000MR-B (87634-7B-B P.37)
7 — 99.7 CUFT 14.8	9934F-000MR (87934-7BF P.39)	9934F-000MR-G (87934-7BF-G P.39) / 9934F-000MR-B (87934-7BF-B P.39)

Tool Trolley Contents

179 PC.

Contents No. 932-008MRD

20.52 CUFT 2.41



9-4522MR #4 P.97 | 9-3523MR #4 P.98

84700612B P*



9-1219MR01 #4 P.100 | 9-90315MR #4 P.102

84700612B P*



9-91120MR #4 P.103 | 9-31909PR #4 P.106

84700612B P*



9-90103PP01 #4 P.105 | 9-40207GP #4 P.104

84700612B P*



9-4120PR #5 P.107
9-4119PR #5 P.107 | 9-31106MR #5 P.108
9-2526MR #5 P.107

84700612B P*



1010PR #4 P.425



9DC23 P.544

Tool Trolley Set

179 PC.

5 — 76.52 CUFT 14.65



932-008MR (87432-5B P.33)



932-008MR-G (87432-5B-G P.33)



932-008MR-B (87432-5B-B P.33)

5 — 79.52 CUFT 18.05



9632-008MR (87632-5B P.37)



9632-008MR-G (87632-5B-G P.37)



9632-008MR-B (87632-5B-B P.37)

7 — 86.66 CUFT 18.05



9634-008MR (87634-7B P.37)



9634-008MR-G (87634-7B-G P.37)



9634-008MR-B (87634-7B-B P.37)

7 — 95.52 CUFT 15.11



9934F-008MR (87934-7BF P.39)



9934F-008MR-G (87934-7BF-G P.39)



9934F-008MR-B (87934-7BF-B P.39)

Tool Trolley Contents

197 PC.



Contents No. 934-001MRD

28.70 CUFT 3.70



9-90408TQ #6 P.109



9-4516MR #4 P.97 | 9-5575MR #4 P.99

84700612B P*



9-1711MR #4 P.102 | 9-1218MR #4 P.100

84700612B P*



9-22108MR #4 P.105 | 9-31909PR #4 P.106

84700612B P*



9-90310MR #4 P.106 | 9-90106SR #4 P.105

84700612B P*



9-90205GN01 #4 P.104 | 9-4128FR #5 P.108 | 9-40103GP #5 P.108

84700612B P*



7962-04 P.418



9DC23 P.544



42114GP P.326

2121-18 P.551



7963-04 P.418



14210212 P.342
14226512 P.342



1108MR P.296



Tool Trolley Set

197 PC.

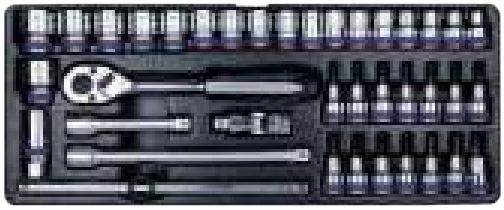
7 92.7 CUFT 15.94	 934-001MR (87434-7B P.33)	 934-001MR-G (87434-7B-G P.33)	 934-001MR-B (87434-7B-B P.33)
7 94.84 CUFT 15.94	 9634-001MR (87634-7B P.37)	 9634-001MR-G (87634-7B-G P.37)	 9634-001MR-B (87634-7B-B P.37)
7 103.7 CUFT 16.4	 9934F-001MR (87934-7BF P.39)	 9934F-001MR-G (87934-7BF-G P.39)	 9934F-001MR-B (87934-7BF-B P.39)

Tool Chest Set

69 PC.

901-068MR

18.80 CUFT 2.05



9-4338MR #11 P.113 (901-069MR use)





9-90121MR #12 P.114



87401-3 P.45

901-069MR

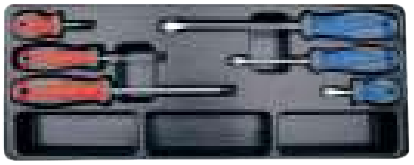
18.40 CUFT 2.05



9-4338MR01 #11 P.113 (901-068MR use)



9-90104GP #12 P.116



9-31006MR #12 P.114

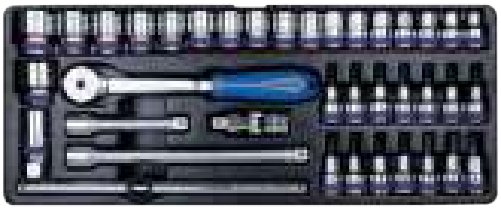
Tool Chest Set

74 PC.

901-073MR

19.50 CUFT 2.05





9-4338MR03 #11 P.113



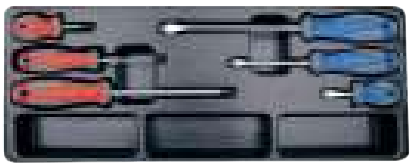
9-90126MR #12 P.114



87401-3 P.45



9-90104GP #12 P.114



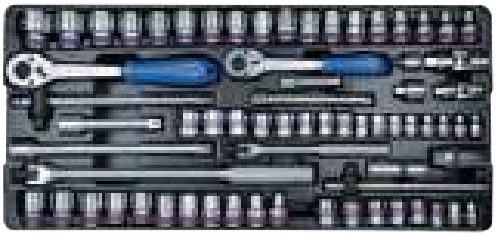
9-31006MR #12 P.114

Tool Chest Set

219 PC.

911-000CR

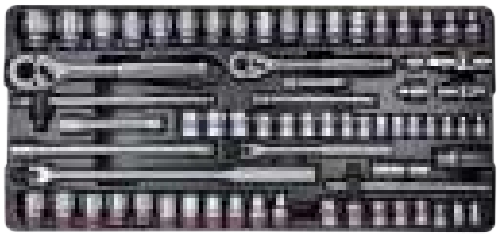
50.50 CUFT 6.10



9-7069CR #1 P.94 (911-000CR use)

911-000CR02

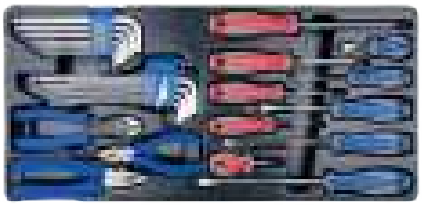
50.80 CUFT 6.10



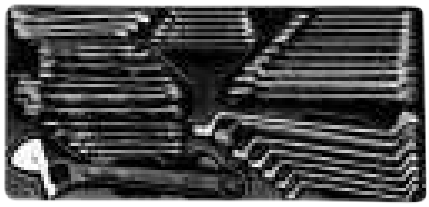
9-7069CR01 #1 P.94 (911-000CR02 use)



87411-6B P.44



9-90129CR #3 P.96



9-90138CR #3 P.96



9-2548CR #2 P.95 (911-000CR use)

9-2548CR01 #2 P.95 (911-000CR02 use)

9-42114GP #2 P.95

9-40102GP #2 P.95



9-90128SR #3 P.95

Tool Chest Set

107 PC.

911-002CR

40.50 CUFT 5.12





4042CR #476 x 282mm P.174

20107SR P.373

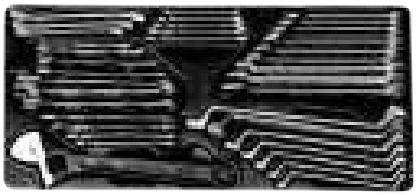
20109MR P.373



9-42144GP #4 P.104



9-31106MR #5 P.108



9-90138CR #3 P.96



87411-6B P.44



7811-16 P.422

Tool Chest Set

235 PC.

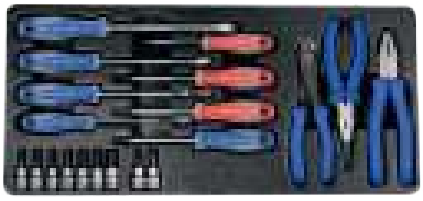
911-003CR

46.16 CUFT 6.10



9-7078CR #1 P.94 (911-003CR use)





9-90220MR #3 P.96 (911-003CR use)



9-90154CR #3 P.97 (911-003CR use)

87411-6B P.44



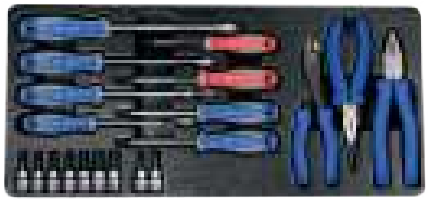
9-90329CR #3 P.96

911-003CR01

46.16 CUFT 6.10



9-7078CR01 #1 P.94 (911-003CR01 use)



9-90220MR01 #3 P.96 (911-003CR01 use)



9-90154CR01 #3 P.97 (911-003CR01 use)

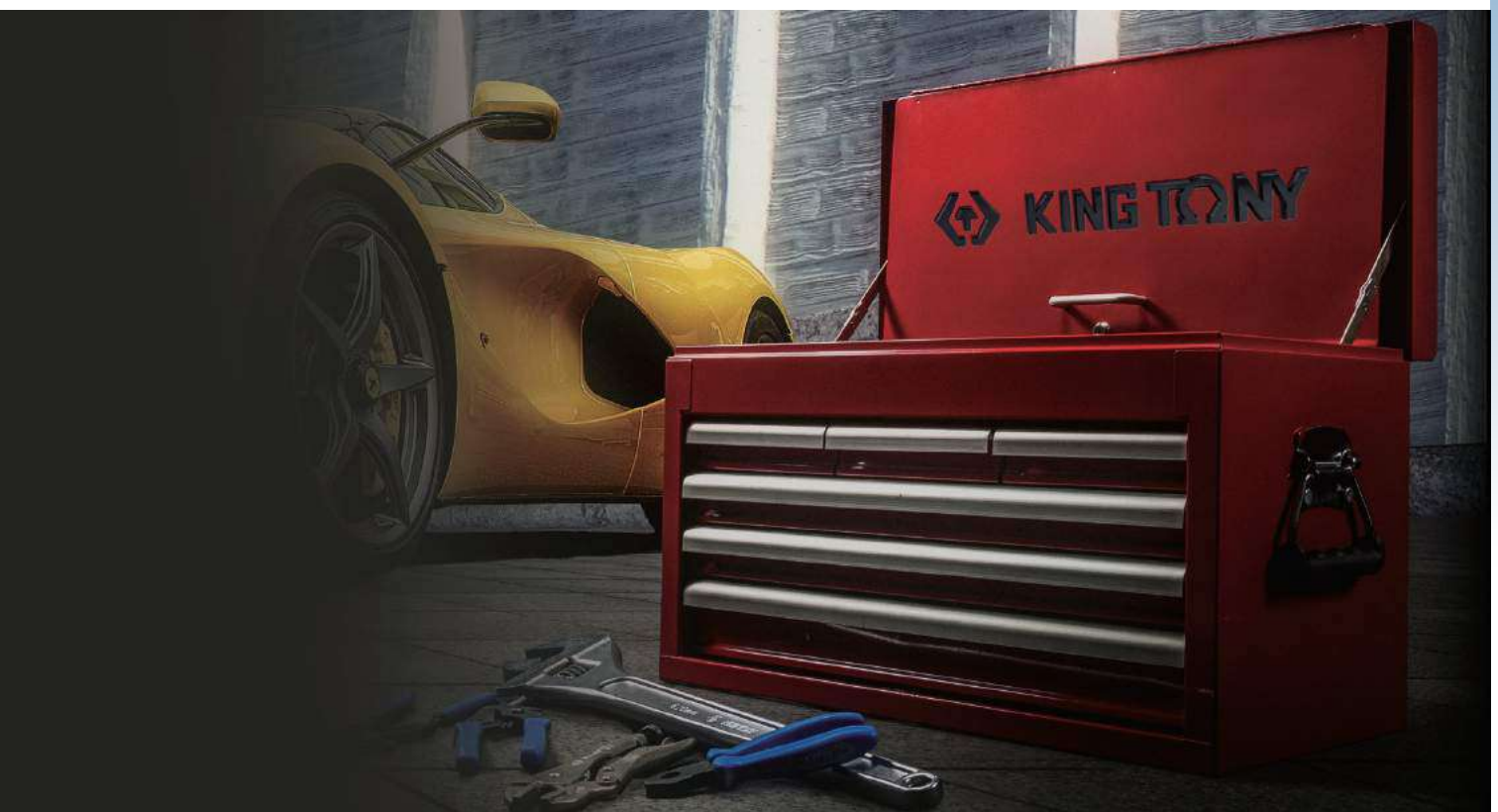


9-2548CR01 #2 P.95 (911-003CR use)

9-2548CR #2 P.95 (911-003CR01 use)

9-42114GP #2 P.95

9-40102GP #2 P.95



Tool Box Contents

62 PC.

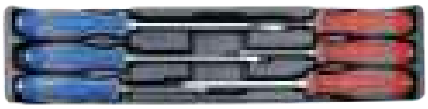


Contents No. 902-062MRD

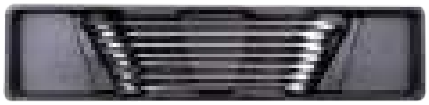
8.80 CUFT 1.22



9-4116FR #14 P.115



9-30206MR #14 P.116



9-1217MR #14 P.116



9-4319MR #14 P.115



9-90120MR #14 P.116



9-40203GP #14 P.116

Tool Box Set

62 PC.

14.4 CUFT 1.22



902-062MR (87402 P.46)

13.9 CUFT 1.22



9A05-062MR (87A05 P.46)



9A05-062MR-KB (87A05-KB P.46)

Tool Box Contents

63 PC.



Contents No. 902-164MRD

10.20 CUFT 1.22



9-4116FR #14 P.115



9-4219MR #14 P.115

	1060 P.292	8, 10, 12, 13, 14, 17, 19, 21, 22, 24
	1120MR P.373	H1.5, H2, H2.5, H3, H4, H5, H6, H8, H10
	1421 P.342	PH1 x 80, PH2 x 38, PH3 x 150
	1422 P.342	5.5 x 100, 6.5 x 38, 8 x 175

 6111-07 P.321	76217-06 P.424 76223-08 P.424
 6311-06 P.322	76403-05 P.424
 6511-10 P.324	76404-06 P.424 76405-65 P.424
 3611-08R P.311	76406-07 P.424
 76104-05 P.423	 7811-16 P.422

Tool Box Set

63 PC.

15.8 CUFT 1.22



902-164MR (87402 P.46)

15.3 CUFT 1.22



9A05-164MR (87A05 P.46)



9A05-164MR-KB (87A05-KB P.46)

Tool Box Contents

65 PC.



Contents No. 902-065MRD

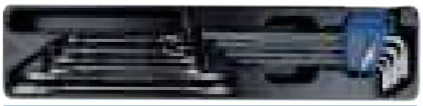
9.10 CUFT 1.22



9-4116FR #14 P.115



9-4319MR #14 P.115



9-90115MR #14 P.116



9-1716MR #14 P.116

1421 P.342 PH1 x 80, PH2 x 38, PH3 x 150

1422 P.342 5.5 x 100, 6.5 x 38, 8 x 175


6111-07 P.321


6311-06 P.322


6511-10 P.324


3611-08P P.311

76104-05 P.423

76217-06 P.424
76223-08 P.424

76403-05 P.424
76404-06 P.424
76405-65 P.424
76406-07 P.424


7811-16 P.422



Tool Box Set

65 PC.

14.7 CUFT 1.22



902-065MR (87402 P.46)

14.2 CUFT 1.22



9A05-065MR (87A05 P.46)



9A05-065MR-KB (87A05-KB P.46)

Tool Box Contents

68 PC.



Contents No. 902-068MRD

10.30 CUFT 1.22



9-4116FR #14 P.117



9-4319MR01 #14 P.117

1060 P.292 8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24

1120MR P.373 H1.5, H2, H2.5, H3, H4, H5, H6, H8, H10

1421 P.342 PH1 x 80, PH2 x 38, PH3 x 150

1422 P.342 5.5 x 100, 6.5 x 38, 8 x 175


6111-07 P.321


6311-06 P.322


6511-10 P.324


3611-12P P.311

76104-05 P.423


7911-12 P.441

76217-06 P.424
76223-08 P.424

76403-05 P.424
76404-06 P.424
76405-65 P.424
76406-07 P.424


7821-30 P.422



Tool Box Set

68 PC.

15.9 CUFT 1.22



902-068MR (87402 P.46)

15.4 CUFT 1.22



9A05-068MR (87A05 P.46)



9A05-068MR-KB (87A05-KB P.46)

Tool Box Contents

81 PC.



Contents No. 902-084MR01D

13.60 CUFT 1.22



9-4116FR03 #14 P.117



9-4219MR07 #14 P.115



1215MR P.293

4230M P.156 — 16, 17, 18, 19, 20, 21, 22, 24, 25, 26

1421 P.342 — PH1 x 100, PH2 x 150, PH3 x 150

1422 P.342 — 6.5 x 100, 6.5 x 150, 8 x 150

6231-07 P.321

6311-06 P.322

6463-08C P.323

6516-10C P.323

6031-07R P.327

3611-08R P.311
3611-12R P.311

20218MR P.371

7851-16 P.423

7811-16 P.422

76104-05 P.424
76105-06 P.424

76213-04 P.424
76215-05 P.424
76220-07 P.424

76306-05 P.423

76403-05 P.424
76404-06 P.424

Tool Box Set

81 PC.

19.24 CUFT 1.22



902-084MR01 (87402 P.46)

18.74 CUFT 1.22



9A05-084MR01 (87A05 P.46)



9A05-084MR01-KB (87A05-KB P.46)

Tool Box Contents

84 PC.



Contents No. 902-084SRD

15.90 CUFT 1.22



9-4116FR03 #14 P.117



9-4219SR08 #14 P.115



1216SR P.293

4230S P.156 — 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1-1/16, 1-1/8, 1-1/4

1421 P.342 — PH1 x 100, PH2 x 150, PH3 x 150

1422 P.342 — 6.5 x 100, 6.5 x 150, 8 x 150

6231-07 P.321

6311-06 P.322

6463-08C P.323

6516-10C P.323

20107SR P.373

6031-07R P.327

3611-08R P.327
3611-12R P.311

7811-16 P.423

7851-16 P.423

76104-05 P.424
76105-06 P.424

76213-04 P.424
76215-05 P.424
76220-07 P.424

76306-05 P.423

76403-05 P.424
76404-06 P.424

Tool Box Set

84 PC.

21.55 CUFT 1.22



902-084SR (87402 P.46)

21.0 CUFT 1.22



9A05-084SR (87A05 P.46)



9A05-084SR-KB (87A05-KB P.46)

Tool Box Contents

88 PC.



Contents No. 902-089MR01D — 13.90 CUFT 1.22



9-4116FR #14 P.117



9-4319MR01 #14 P.115



1812MR P.311

1060 P.292	6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24
1900 P.296	6 x 7, 8 x 10, 11 x 13, 12 x 13, 17x19, 22 x 24
1120MR P.373	H1.5, H2, H2.5, H3, H4, H5, H6, H8, H10
1147R P.374	T10H, T15H, T20H, T25H, T27H, T30H, T40H
1421 P.342	PH2 x 38, PH3 x 150
1422 P.342	3 x 75, 5 x 100
6111-07 P.321	
6311-06 P.322	
6516-10C P.323	
3611-08R P.311	
7911-12 P.441	
7821-80 P.422	

Tool Box Set

88 PC.



19.5 CUFT 1.22



902-089MR01 (87402 P.46)

19.0 CUFT 1.22



9A05-089MR01 (87A05 P.46)



9A05-089MR01-KB (87A05-KB P.46)

Tool Box Contents

103 PC.



Contents No. 902-103MRD — 19.20 CUFT 1.22



9-4116FR #14 P.117



9-4319MR01 #14 P.115



1812MR P.311

1060 P.292	8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 23, 24, 27, 30, 32
1120MR P.373	H1.5, H2, H2.5, H3, H4, H5, H6, H8, H10
1147R P.374	T10H, T15H, T20H, T25H, T27H, T30H, T40H
1421 P.342	PH0 x 60, PH1 x 100, PH2 x 100, PH3 x 150
1422 P.342	3 x 75, 4 x 100, 5 x 75, 5.5 x 125, 6.5 x 150, 8 x 175
6111-07 P.321	
6311-06 P.322	
6516-10C P.323	
6231-08 P.321	
6431-10 P.323	
6011-10R P.327	
3611-12R P.311	
79093-03C P.424	
7911-12 P.441	
7821-80 P.422	
76220-07 P.424	
76226-12 P.424	
76402-45 P.424	
76403-05 P.424	
76404-06 P.424	
76405-65 P.424	
76406-07 P.424	
76408-08 P.424	
76412-09 P.424	
76414-10 P.424	

Tool Box Set

103 PC.



24.8 CUFT 1.22



902-103MR (87402 P.46)

24.3 CUFT 1.22



9A05-103MR (87A05 P.46)



9A05-103MR-KB (87A05-KB P.46)

Tool Box Contents

109 PC.



Contents No. 902-109MRD — 19.40 CUFT 1.22



9-4116FR #14 P.117



9-4319MR01 #14 P.115



1812MR P.311



1306MR P.302



1060 P.292 — 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 23, 24, 27, 30, 32

1120MR P.372 — H1.5, H2, H2.5, H3, H4, H5, H6, H8, H10



1147R P.374 — T10H, T15H, T20H, T25H, T27H, T30H, T40H



1421 P.342 — PH0 x 60, PH1 x 100, PH2 x 100, PH3 x 150

1422 P.342 — 3 x 75, 4 x 100, 5 x 75, 5.5 x 125, 6.5 x 150, 8 x 175



6111-07 P.321



6311-06 P.322



6516-10C P.323



6231-08 P.321



6431-10 P.323



6011-10R P.327



3611-12R P.311



79093-05C P.424



7911-12 P.441



7811-16 P.422

76220-07 P.424
76226-12 P.424

76402-45 P.424
76403-05 P.424
76404-06 P.424
76405-65 P.424
76406-07 P.424
76408-08 P.424
76412-09 P.424
76414-10 P.424

Tool Box Set

109 PC.



24.99 CUFT 1.22



902-109MR (87402 P.46)

24.5 CUFT 1.22



9A05-109MR (87A05 P.46)



9A05-109MR-KB (87A05-KB P46)

Tool Box Contents

132 PC.



Contents No. 902-132CRD — 24.50 CUFT 1.51



9-4116FR #14 P.117



9-4319MR01 #14 P.115



1812MR P.311



1226MR P.302



1005GQ P.442



30617MR P.394



20208MR01
20208SR01
P.372



11205SQ P.438



1421 P.342 — PH0 x 60, PH1 x 100, PH2 x 100, PH3 x 150



1422 P.342 — 3 x 75, 4 x 100, 5 x 75, 5.5 x 125, 6.5 x 150, 8 x 175



6111-07 P.321



6311-06 P.322



6516-10C P.323



6231-07 P.321



6721-10 P.417



6711-06 P.323



3611-08P P.311
3611-12P P.311



20419PR P.374



7911-12 P.441



7811-12 P.422

76104-05 P.423

76220-07 P.424



6011-10R P.327

2121-18 P.551



7971-07 P.411



79093-03C P.424

Tool Box Set

132 PC.



30.1 CUFT 2.73



902-132CR (87402 P.46)

29.1 CUFT 2.92



9A05-132CR (87A05 P.46)



9A05-132CR-KB (87A05-KB P.46)

Tool Box Contents

77 PC.



Contents No. 908-077CRD

19.80 CUFT 0.99



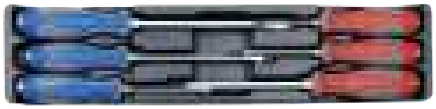
9-4029CR #15 P.117



9-90111MR #15 P.117



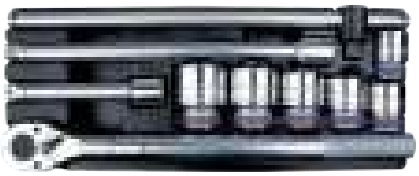
9-4156PR #15 P.117



9-30206MR #14 P.116



9-1215MR03 #16 P.117



9-6010MR #16 P.117

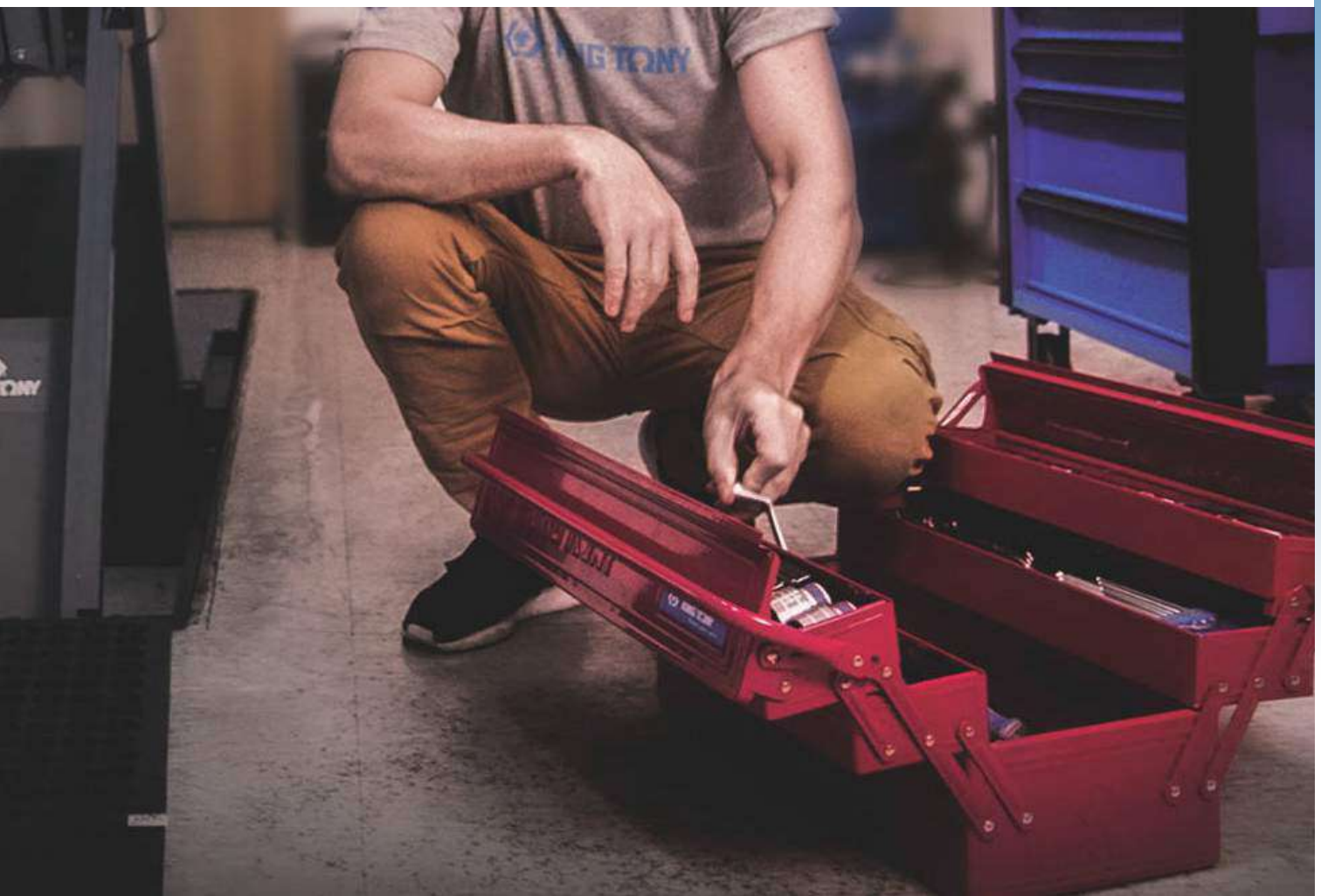
Tool Box Set

77 PC.

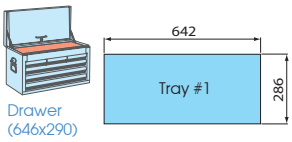
26.52
CUFT 2.29



908-077CR
(87408 P.46)



Tool Set Content

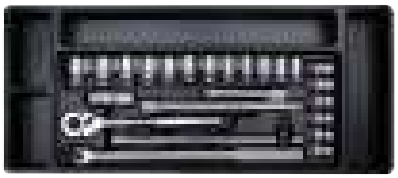


9-4526MR

9-4026MR02 Tray category #1 (642 x 286mm)

24 PC.


9-4526MR


9-4026MR02

KT NO.		Contents				kg 4.6	1 / 5
9-4526MR	4335MR	10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32	463521R	4768-10F	4572-12	4251-05R 4251-10R	
9-4026MR02	4330MR		463021R	4768-10P	4452-15FR		

9-7069CR

9-7069CR01 Tray category #1 (642 x 286mm)

70 PC.


9-7069CR


9-7069CR01


7911-12

KT NO.		Contents					kg 8.8	1 / 2
9-7069CR	3779-08G 4779-10GR	3330M	6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 19, 20, 21, 22	463521R	463516R	3571-08		
		3330S	3/8, 7/16, 1/2, 9/16, 5/8, 11 /16, 3/4, 13 /16	3452-08F	4452-15FR	4251-05R 4251-10R		
9-7069CR01	3769-08P 4768-10P	4330MR	10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32	4572-10	3221-03 3221-06	7911-12		
		4330SR	3/8, 7/16, 1/2, 9/16, 5/8, 11 /16, 3/4, 13 /16, 7/8, 15/16, 1	3792	4791R	3812	4813	

9-7078CR

9-7078CR01 Tray category #1 (642 x 286mm)

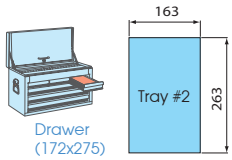
78 PC.


9-7078CR


9-7078CR01

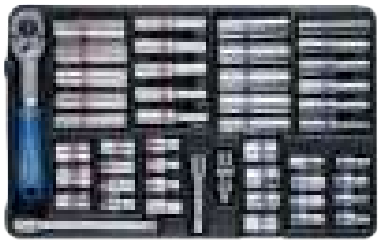
KT NO.		Contents					kg 8.67	1 / 2
9-7078CR	3769-08P 4768-10P	3330M	8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22	3235M	10, 12, 13, 14, 15, 16, 17, 18, 19, 22	363516		
		3330S	3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16	4462-18F	3221-03 3221-10	4251-05R 4251-10R		
9-7078CR01	3779-08G 4779-10GR	4330MR	10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 27, 28, 30, 32	3792	4791R	3812	4813	
		4330SR	3/8, 7/16,1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1-1/8, 1-1/4					

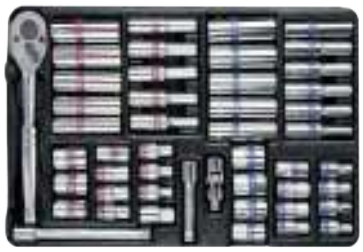
Tool Set Content



9-2548CR

9-2548CR01 Tray category #2 (263 x 163mm)


9-2548CR


9-2548CR01

48 PC.

KT NO.		Contents	1.28	1 / 10
9-2548CR	2779-55G	2235M: 4, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13 2235S: 5/32, 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2 2335M: 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13 2335S: 5/32, 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2 2792 2813 2221-02 2221-04		
9-2548CR01	2769-55P			

9-40102GP



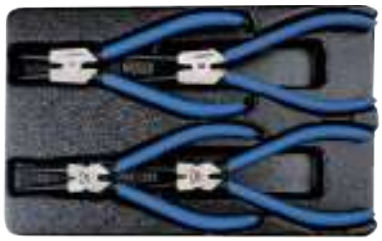
2 PC.

Contents 1.0 1 / 10


6011-10R


6511-10

9-42114GP Tray category #2 (263 x 163mm)



4 PC.

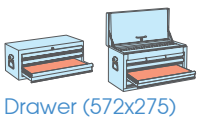
Contents 0.6 1 / 10


68HS-07


68SS-07


68HB-07


68SB-07



9-90128SR

Tray category #3 (554 x 260mm)

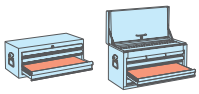
Contents 4.8 1 / 4

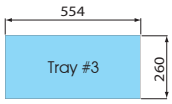
5060	1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 1
5970	1/4 x 5/16, 3/8 x 7/16, 1/2 x 9/16, 5/8 x 11/16, 3/4 x 7/8, 15/16 x 1, 1-1/16 x 1-1/8
76105-06	7811-16
76215-05 76217-06 76220-07 76224-10	76404-06 76406-07 76408-08



28 PC.

Tool Set Content

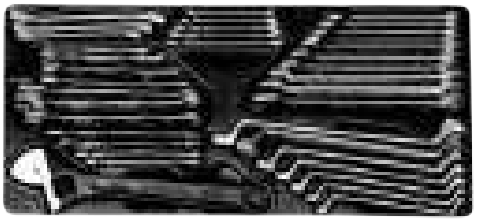

Drawer (572x275)



9-90138CR

Tray category #3 (554 x 260mm)

Contents		4.8	1 / 4
1060	6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 19, 20, 21		
1900	8 x 9, 10 x 11, 12 x 13, 14 x 15, 18 x 19		
1970	6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19		
1930	10 x 11, 12 x 14, 14 x 17		
5900	1/4 x 5/16, 3/8 x 7/16, 7/16 x 1/2, 9/16 x 5/8, 11/16 x 3/4, 13/16 x 7/8		
3611P	8, 12		



38 PC.

9-90329CR

Tray category #3 (554 x 260mm)

Contents		3.37	1 / 4
1060	6, 7, 8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21		
5060	7/16, 1/2, 9/16, 5/8, 11/16, 3/4		
10D0	10, 12, 13, 14, 17, 18, 19		
3611R	6, 8		

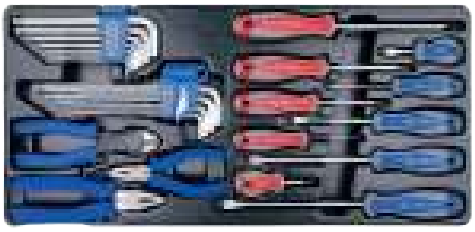


29 PC.

9-90129CR

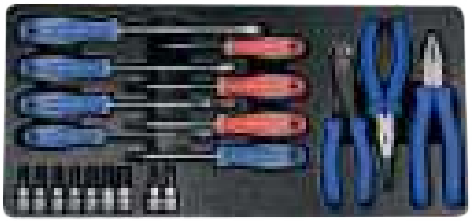
Tray category #3 (554 x 260mm)

Contents		2.5	1 / 4
1421	PH0 x 60, PH1 x 80, PH2 x 38, PH2 x 100, PH3 x 150		
1422	3 x 75, 6.5 x 38, 6.5 x 100, 6.5 x 150, 8 x 175		
1130SR	3/32, 1/8, 5/32, 3/16, 1/4, 5/16, 3/8		
1120MR	H1.5, H2, H2.5, H3, H4, H5, H6, H8, H10		
6111-07	6231-07		
6311-06			



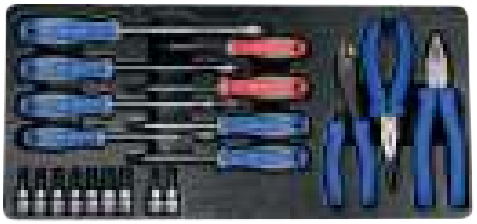
29 PC.

9-90220MR


9-90220MR

9-90220MR01

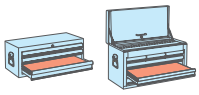
Tray category #3 (554 x 260mm)


9-90220MR01

20 PC.

KT NO.	Contents				2.51	1 / 4
9-90220MR	14280204	3025	H3, H4, H5, H6, H8, H10, H12	1421	PH1x80, PH2x100	
	14240204	3023	T30, T40	1422	4x100, 5.5x125, 6.5x150, 8x175	
9-90220MR01	14232004 14232504	6111-08	6231-08	6311-08		

Tool Set Content



Drawer (572x275)

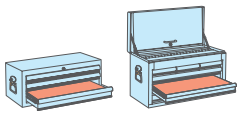
9-90154CR

KT NO.	PC.	Contents	2.86	1 / 4
9-90154CR	54	 1032CQ01	1130MR	H2.5, H3, H4, H5, H6, H8, H10
			1130SR	3/32, 1/8, 5/32, 3/16, 1/4, 5/16, 3/8
9-90154CR01	53	 1032CQ		7811-16
				74030
				76717-05
				761 Ø 4 x 120
				764 Ø 3 x 125 Ø 4 x 150 Ø 5 x 165

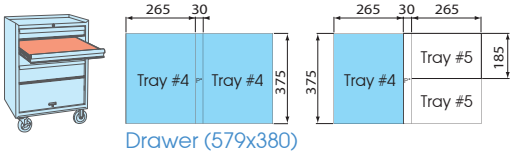
9-90154CR01

Tray category #3 (554 x 260mm)





Drawer (572x275)



Drawer (579x380)

9-4516MR

Tray category #4 (375 x 265mm)

Contents	3.12	1 / 10
 4335MR	8, 10, 11, 12, 13, 14, 17, 19, 21, 23, 24	
 4791R	4768-10F	4452-15FR
4251-05R 4251-10R		



16 PC.

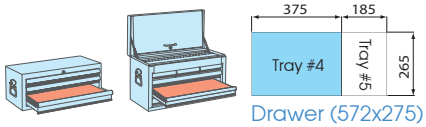
9-4522MR

Tray category #4 (375 x 265mm)

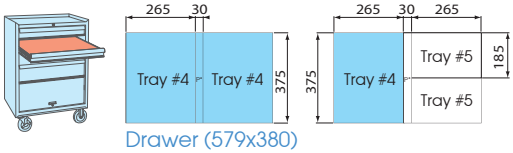
Contents	2.96	1 / 10
 4335MR	8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24	
463521R	463516R	4791R
4768-10F	4251-03R, 4251-05R, 4251-10R	



22 PC.



Drawer (572x275)



Drawer (579x380)

Tool Set Content

9-3523MR

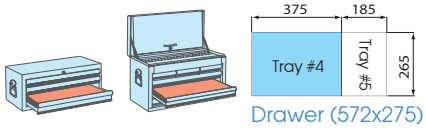
9-3023MR01 Tray category #4 (375 x 265mm)

22 PC.

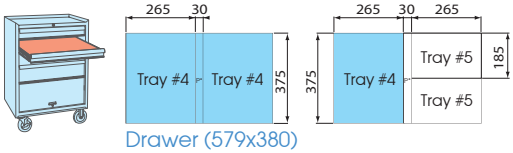

9-3523MR


9-3023MR01

| KT NO. | Contents | | |



Drawer (572x275)



Drawer (579x380)

Tool Set Content

9-5575MR

Tray category #4 (375 x 265mm)

Contents		4.15	1 / 6
2335M		4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13	
2335S		1/4, 3/8, 1/2	
3235M		8, 10, 12, 14, 17	
3335M		6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22	
2375M		E4, E5, E6, E7, E8	
3375M		E10, E12, E14, E16, E18	
2037		T10H, T15H, T20H, T25H, T27H, T30H	
2033		T20, T25, T30, T40	
3027		T40H, T45H, T50H	



75 PC.

Contents

366516 366521 3221-16
2769-55F 3769-08F 3781-11F
2221-02 2221-04 3221-03 3221-06 2571-45
2452-05F 3452-08F 3571-08
2792 3792

9-7537MR

Tray category #4 (375 x 265mm)

Contents		2.28	1 / 6
2335M		4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13	
4023		T20, T25, T27, T30, T40, T45, T50, T55, T60	
4025		H3, H4, H5, H6, H7, H8, H10, H12, H14	
2779-55G	2571-45	2792	
2452-05F	2221-02 2221-04	2141	



37 PC.

9-7540MR

Tray category #4 (375 x 265mm)

Contents		3.50	1 / 5
2335M		4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13	
2375M		E4, E5, E6, E7, E8	
4375M		E10, E12, E14, E16, E18, E20	
4435M		10, 11, 12, 13, 14, 17, 19, 21, 22, 24	
2792	2755-55G	2571-45	
2221-02 2221-04	2177DF	2452-05F	



40 PC.

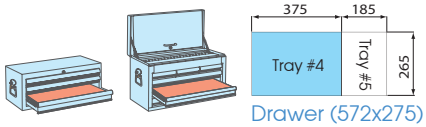
9-93523MR

Tray category #4 (375 x 265mm)

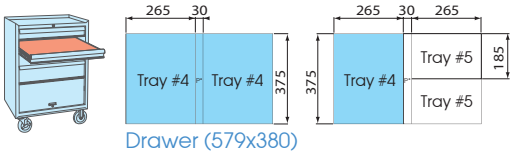
Contents		2.63	1 / 6
3335M		6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 19, 20, 21, 22	
1120MR		H1.5, H2, H2.5, H3, H4, H5, H6, H8, H10	
3792	3769-08F	3452-08F	3571-08	3221-03 3221-06



31 PC.



Drawer (572x275)



Drawer (579x380)

Tool Set Content

9-90131MR

Tray category #4 (375 x 265mm)

Contents		3.1 kg	1 / 10
4033	T20, T25, T27, T30, T40, T45, T50, T55, T60		
4035	H4, H5, H6, H7, H8, H10, H12, H14, H17		
1120MR	H1.5, H2, H2.5, H3, H4, H5, H6, H8, H10		
1930	10 x 11, 12 x 14, 14 x 17		
3204 (Ø 60 ~ 140)			



31 PC.

9-1205MR

Tray category #4 (375 x 265mm)

Contents		2.70 kg	1 / 6
1060	27, 28, 29, 30, 32		



5 PC.

9-1216MR | 9-1216MR01 | 9-1216MR03

Tray category #4 (375 x 265mm)

KT NO.	Contents		3.20 kg	1 / 6
9-1216MR	1060	6, 8, 10, 12, 13, 14, 16, 17, 19, 21, 22, 24, 26, 27, 29, 32		
9-1216MR01		6, 8, 10, 11, 13, 14, 16, 17, 18, 19, 21, 22, 24, 27, 30, 32		
9-1216MR03		8, 10, 11, 12, 13, 14, 15, 17, 18, 19, 21, 22, 24, 27, 30, 32		



16 PC.

9-1219MR01

Tray category #4 (375 x 265mm)

Contents		2.25 kg	1 / 6
1060	6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24		



19 PC.

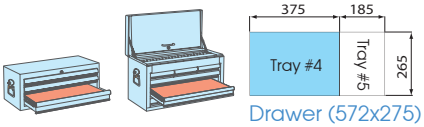
9-1218MR

Tray category #4 (375 x 265mm)

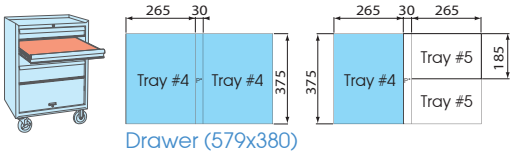
Contents		2.12 kg	1 / 6
1060	6, 7, 8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24		
1930	8 x 10, 9 x 11		



18 PC.



Drawer (572x275)



Drawer (579x380)

Tool Set Content

9-1282MR

Tray category #4 (375 x 265mm)

Contents		1.05	1 / 10
	10D0	8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19	



12 PC.

9-1272MR

Tray category #4 (375 x 265mm)

Contents		1.45	1 / 5
	1067	6, 7, 8, 9, 10, 11, 12, 13, 14, 17, 19, 22	



12 PC.

9-1608MR

Tray category #4 (375 x 265mm)

Contents		1.5	1 / 6
	1960	6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22	



8 PC.

9-1609MR

Tray category #4 (375 x 265mm)

Contents		1.93	1 / 6
	1960	8 x 9, 10 x 12, 11 x 13, 12 x 14, 14 x 17, 17 x 19, 19 x 21, 22 x 24, 23 x 26	



9 PC.

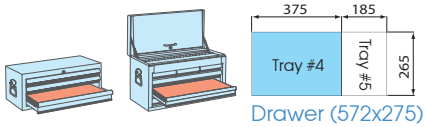
9-1709MR

Tray category #4 (375 x 265mm)

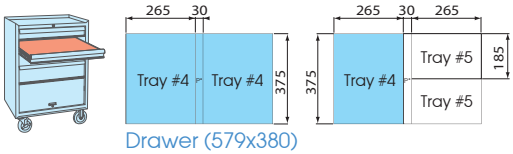
Contents		2.38	1 / 6
	1970	8 x 9, 10 x 12, 11 x 13, 12 x 14, 14 x 17, 17 x 19, 19 x 21, 22 x 24, 23 x 26	



9 PC.



Drawer (572x275)



Drawer (579x380)

Tool Set Content

9-1711MR

Tray category #4 (375 x 265mm)

Contents		2.80	1 / 6
1970	6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 27, 30 x 32		



11 PC.

9-90315MR

Tray category #4 (375 x 265mm)

Contents		2.6	1 / 6
1900	8 x 10, 10 x 12, 12 x 14, 14 x 17, 17 x 19, 21 x 23, 22 x 24		
1970	8 x 10, 10 x 12, 12 x 14, 14 x 17, 17 x 19, 21 x 23, 22 x 24		
79093-05C			



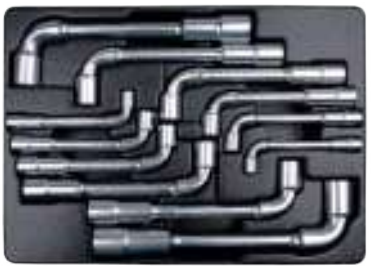
15 PC.

9-1812MR

KT NO.	Contents	3.69	1 / 6
9-1812MR	○ 1080	8, 10, 11, 12, 13, 14, 16, 17, 18, 19, 22, 24	
9-1912MR	○ 1081		

9-1912MR

Tray category #4 (375 x 265mm)

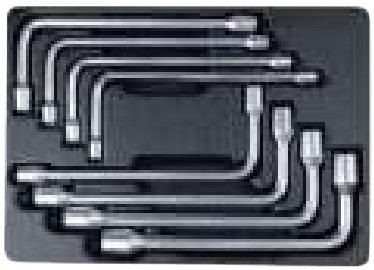


12 PC.

9-1838MR

Tray category #4 (375 x 265mm)

Contents		2.57	1 / 6
○ 1084	8, 10, 11, 12, 13, 15, 17, 19		



8 PC.

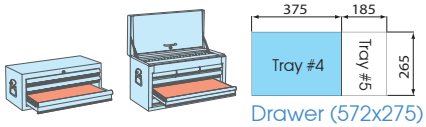
9-1905MR

Tray category #4 (375 x 265mm)

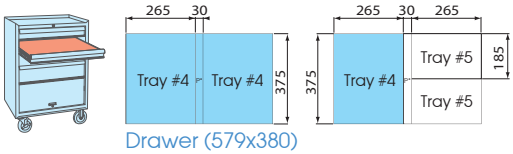
Contents		0.82	1 / 10
1950	10 x 12, 11 x 13, 14 x 17, 16 x 18, 19 x 22		



5 PC.



Drawer (572x275)



Drawer (579x380)

Tool Set Content

9-1C08MR

Tray category #4 (375 x 265mm)

Contents		0.91	1 / 10
19C0	6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22		



8 PC.

9-10115MR

KT NO.	Contents		1.9	1 / 10
9-10115MR	3731M	8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 19, 22	373202R	
9-10215MR	3732M		373203R	
			373204R	

9-10215MR

Tray category #4 (375 x 265mm)



15 PC.

9-12120MR

Tray category #4 (375 x 265mm)

Contents		1.27	1 / 6
3731M	8, 10, 12, 13, 14, 15, 17, 19		
373204R		373203R	



10 PC.

9-90109MN

Tray category #4 (375 x 265mm)

Contents		2.28	1 / 6
1970	8 x 10, 10 x 12, 11 x 13, 12 x 14, 14 x 17, 17 x 19		
6011-10N		3611-12R	



8 PC.

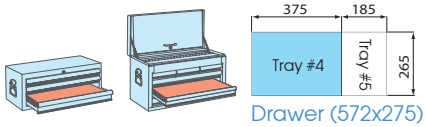
9-91120MR

Tray category #4 (375 x 265mm)

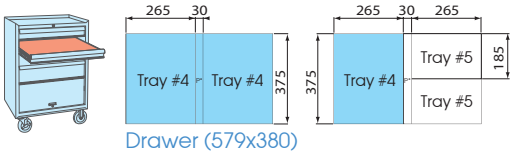
Contents		2.40	1 / 6
1120MR	H1.5, H2, H2.5, H3, H4, H5, H6, H8, H10		
1930	8 x 10, 10 x 12, 11 x 13, 14 x 17		
3731M	8, 10, 12, 13, 14		
6011-10N		3611-12R	



20 PC.



Drawer (572x275)



Drawer (579x380)

Tool Set Content

9-40207GP

9-40207GP01 Tray category #4 (375 x 265mm)

7 PC.


9-40207GP


9-40207GP01

KT NO.	Contents							kg		
9-40207GP	6111-08	6211-06	6311-06	68HS-07	68HB-07	68SS-07	68SB-07	1.5	1 / 10	
9-40207GP01	6463-08C	6211-06	6311-06	67HS-07	67HB-07	67SS-07	67SB-07		1 / 6	

9-40604GP

Tray category #4 (375 x 265mm)

Contents — kg 1.98 — 1 / 6

6116-07A, 6216-06A, 6318-08A, 6516-10A

4 PC.



9-42144GP

Tray category #4 (375 x 265mm)

Contents — kg 1.63 — 1 / 8

6011-10N, 6111-08, 6211-06, 6311-06

4 PC.



9-90205GN

9-90205GN01 Tray category #4 (375 x 265mm)

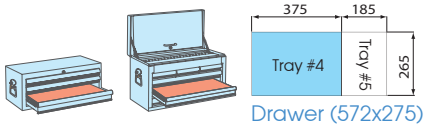
5 PC.


9-90205GN

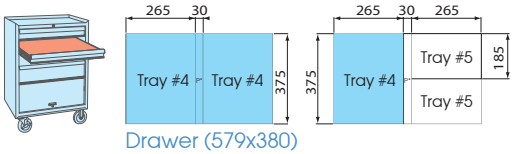

9-90205GN01

Contents — kg 1.98 — 1 / 6

9-90205GN	6313-06	6011-10N	6111-07	6463-08C	74410
9-90205GN01	6311-06				



Drawer (572x275)



Drawer (579x380)

Tool Set Content

9-90103PP | 9-90103PP01 | 9-90103PP02

Tray category #4 (375 x 265mm)

3 PC.


9-90103PP


9-90103PP01


9-90103PP02

KT NO.	Contents			kg	
9-90103PP	3611-12P	6511-10	7821-30	2.30	1 / 5
9-90103PP01			7811-16		
9-90103PP02			7821-80	2.51	1 / 10

9-90103RR

Tray category #4 (375 x 265mm)

Contents — kg 2.3 — 1 / 5

3611-12R | 6511-10 | 7821-30



3 PC.

9-90106SR

Tray category #4 (375 x 265mm)

Contents — kg 2.05 — 1 / 4

76404-06
76405-65
76406-07 | 76105-06 | 7822-30 | 7842-35



6 PC.

9-22108MR

Tray category #4 (375 x 265mm)

Contents — kg 1.10 — 1 / 10

1160MR H2, H2.5, H3, H4, H5, H6, H8, H10



8 PC.

9-22308PR

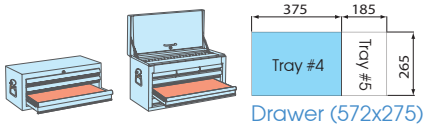
Tray category #4 (375 x 265mm)

Contents — kg 1.10 — 1 / 10

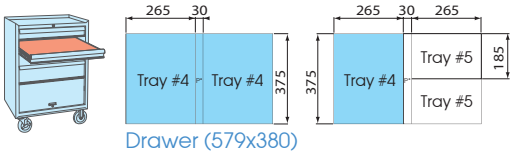
1163R T10H, T15H, T20H, T25H, T30H, T40H, T45H, T50H



8 PC.



Drawer (572x275)



Drawer (579x380)

Tool Set Content

9-30110CR

Tray category #4 (375 x 265mm)

Contents			1.4	1 / 6
	1450	6, 7, 8, 9, 10, 11, 12, 13		
	5450	1/4, 5/16		



10 PC.

9-31110MR

Tray category #4 (375 x 265mm)

Contents		1.0	1 / 10
	1421	PH1 x 80, PH2 x 38, PH2 x 100, PH3 x 150	
	1422	3 x 75, 4 x 100, 5.5 x 125, 6.5 x 38, 6.5 x 150, 8 x 175	



10 PC.

9-31909PR

Tray category #4 (375 x 265mm)

Contents		0.65	1 / 6
	1427	T8H x 75, T9H x 75, T10H x 75, T15H x 75, T20H x 100, T25H x 100, T27H x 100, T30H x 125, T40H x 150	



9 PC.

9-90310MR

Tray category #4 (375 x 265mm)

Contents		1.08	1 / 6
	1411	PH1 x 100, PH2 x 100, PH3 x 150	
	1412	5.5 x 100, 6.5 x 100, 8.0 x 150	
76220-07	9CJ2120	14324003	24110214



10 PC.

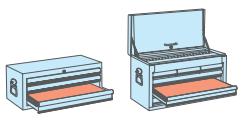
9-34128FR

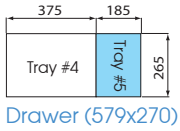
Tray category #4 (375 x 265mm)

Contents		1.98	1 / 6
	1836P	PH2, PH3	
	1836S	9, 11	
	1880P	PH2, PH3	
	1880S	8, 10	
	1930	8 x 10, 11 x13, 12 x 14	
4112	414810S	3204	

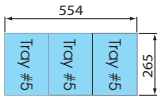


14 PC.

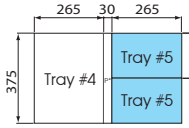




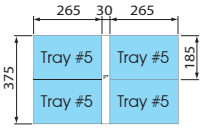
Drawer (579x270)







Drawer (579x380)



Tool Set Content

9-2526MR

Tray category #5 (265 x 185mm)

Contents			0.90	1 / 10
	2335M	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 13		
	2235M	4, 5, 5.5, 6, 7, 8, 9, 10, 11, 13		
	2779-55G	2813		
	2221-02 2221-04	2792		



26 PC.

9-4119PR

Tray category #5 (265 x 185mm)

Contents			1.10	1 / 10
	4033	T20, T25, T27, T30, T40, T45, T50, T55, T60		



9 PC.

9-4120PR

Tray category #5 (265 x 185mm)

Contents			1.30	1 / 10
	4035	H4, H5, H6, H7, H8, H10, H12, H14, H17		



9 PC.

9-91026PR

Tray category #5 (265 x 185mm)

Contents			1.3	1 / 10
	1143R	T10, T15, T20, T25, T27, T30, T40, T45, T50		
	1147R	T10H, T15H, T20H, T25H, T27H, T30H, T40H		
	4023	T30, T40, T45, T50, T55		
	4375M	E10, E12, E14, E16, E18		



26 PC.

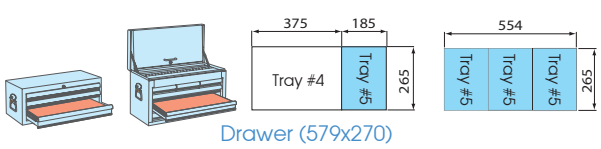
9-1303MR

Tray category #5 (265 x 185mm)

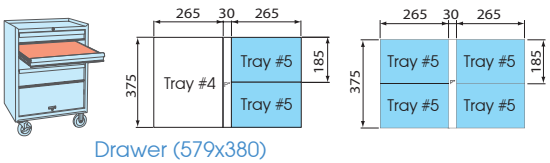
Contents			0.50	1 / 10
	1930	10 x 11, 12 x 14, 14 x 17		



3 PC.



Drawer (579x270)



Drawer (579x380)

Tool Set Content

9-10112MR

KT NO.	Contents	1.22 kg / 1 / 10	
9-10112MR	3731M	10, 11, 12, 13, 14, 15, 16, 17, 19	373202R
9-10212MR	3732M		373203R
			373204R

9-10212MR

Tray category #5 (265 x 185mm)



12 PC.

9-40103GP

Tray category #5 (265 x 185mm)

Contents	0.83 kg / 1 / 10	
6111-07		6211-06
6311-06		



3 PC.

9-31106MR

Tray category #5 (265 x 185mm)

Contents	0.60 kg / 1 / 10
1421	PH0 x 60, PH1 x 80, PH2 x 100
1422	3 x 75, 5.5 x 100, 6.5 x 150



6 PC.

9-4128FR

Tray category #5 (265 x 185mm)

Contents	1.70 kg / 1 / 10	
1836P	PH2, PH3	
1836S	9, 11	
1880P	PH2, PH3	
1880S	8, 10	
4112	414810S	



10 PC.

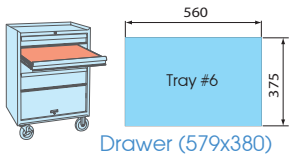
9-20110MR

Tray category #5 (265 x 185mm)

Contents	1.10 kg / 1 / 10
1120MR	H1.5, H2, H2.5, H3, H4, H5, H6, H8, H10
	3204 (Ø 60 ~ 140)



10 PC.



Drawer (579x380)

Tool Set Content

9-7576MR

Tray category #6 (560 x 375mm)

Contents						kg 7.69	1 / 3
3335M	8, 10, 11, 12, 13, 14, 15, 16, 17, 19, 20, 21, 22, 24						
3235M	8, 10, 11, 12, 13, 14, 15, 16, 17, 19, 21, 22, 24						
4335MR	10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32						
4235M	10, 12, 13, 14, 17, 19, 21, 22, 24						
9TD403	12, 13, 14, 17, 19						
321510M 321512M		366516 366521		3792			
3452-08F		3769-08P		4311-16F			
4768-10P		4452-18FR		4573-10			



76 PC.

Contents

4251-03R	3221-03
4251-05R	3221-06
4251-10R	3221-10

9-94435MP

Tray category #6 (560 x 375mm)

Contents						kg 6.49	1 / 3
4435M	10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 24, 26, 29, 32						
4535M	10, 12, 13, 14, 17, 19, 21, 24						
4415M	17, 19, 21, 22						
4797P		68SS-07		68HS-07			
6011-10R		6211-06		6311-08			
6463-08C		74030					



35 PC.

9-31919MR

Tray category #6 (560 x 375mm)

Contents		kg 2.67	1 / 5
1411	PH0 x 75, PH2 x 38		
1412	3 x 75, 6.5 x 38		
1421	PH2 x 300		
1422	6.5 x 300		
1481	PH2 x 100, PH3 x 150		
1482	6.5 x 100, 8 x150		
1427	T8H x 75, T10H x 75, T15H x 75, T20H x 100, T25H x 100, T27H x 100, T30H x 125		
43280212		2121-18	



19 PC.

9-90408TQ

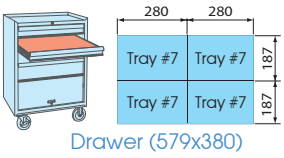
Tray category #6 (560 x 375mm)

Contents				kg 2.06	1 / 5
75102-08G		75202-08G			
75302-08G		75402-08G			
75502-08G		79063-12			
79093-05C		7911-12			



8 PC.

Tool Set Content



Drawer (579x380)

9-4057MR

Tray category #7 (280 x 187mm)

Contents			2.99	1 / 4
○		4330MR	8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32, 33, 34, 36	



27 PC.

9-4557MR

Tray category #7 (280 x 187mm)

Contents			2.99	1 / 4
○		4335MR	8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32, 33, 34, 36	



27 PC.

9-4138PR

Tray category #7 (280 x 187mm)

Contents			1.9	1 / 10
✪		4033	T20, T25, T27, T30, T40, T45, T50, T55, T60	
●		4035	H4, H5, H6, H7, H8, H10, H12, H14, H17	



18 PC.

9-7128PR

Tray category #7 (280 x 187mm)

Contents			1.20	1 / 10
●		3025	H3, H4, H5, H6, H7, H8, H10, H12	
✪		3023	T15, T20, T25, T27, T30, T40, T45, T50	
✪		3375M	E8, E10, E12, E14, E16, E18	
✪		4375M	E10, E12, E14, E16, E18, E20	



28 PC.

9-4427MP

Tray category #7 (280 x 187mm)

Contents			4.09	1 / 4
○		4535M	8, 9, 10, 11, 12, 13, 14, 15,16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32, 33, 34, 36	



27 PC.

9-4827MP

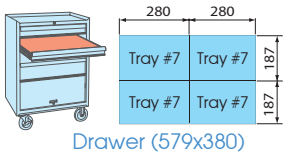
Tray category #7 (280 x 187mm)

Contents			4.09	1 / 4
○		4530M	8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32, 33, 34, 36	



27 PC.

Tool Set Content



Drawer (579x380)

9-12C7MR

Tray category #7 (280 x 187mm)

Contents	0.78	1 / 10
1061	8, 10, 11, 13, 14, 17, 19	



7 PC.

9-3612MR

Tray category #7 (280 x 187mm)

Contents	1.27	1 / 10
3351MR	8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19	



12 PC.

9-30904AY

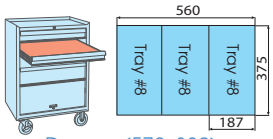
Tray category #7 (280 x 187mm)

- Use for scribing, aligning, installing and removing O rings, seals and washers stainless.

Contents	0.43	1 / 8
43250115Y	43270115Y	
43260115Y	43290115Y	



4 PC.



Drawer (579x380)

9-12110MR

Tray category #8 (375 x 187mm)

Contents	1.89	1 / 12
3731M	8, 10, 12, 13, 14, 17, 19, 21, 22, 24	



10 PC.

9-90114MR

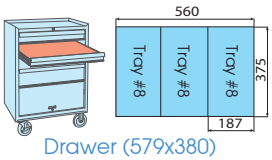
Tray category #8 (375 x 187mm)

Contents	1.75	1 / 12
1930	8 x 10, 10 x 11, 12 x 14, 14 x 17, 17 x 19	
1060	8, 10, 12, 14, 17, 19, 21, 22, 24	



14 PC.

Tool Set Content



Drawer (579x380)

9-40618GP

Tray category #8 (375 x 187mm)

Contents		1.89	1 / 12
1471	PH1 x 100, PH2 x 100		
1472	4 x 100, 5.5 x 125		
6CB02	100~500V		

6318-08A 6116-07A 6216-06A



8 PC.

9-1011GP

Tray category #8 (375 x 187mm)

Contents		1.15	1 / 12
761G	ø6x185mm		
763G	ø4x185mm, ø5x185mm ø6x185mm, ø8x185mm		
764G	ø2x140mm, ø3x150mm, ø4x180mm, ø5x200mm, ø6x210mm, ø8x220mm		



11 PC.

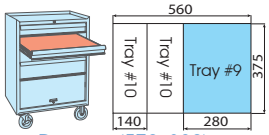
9-91016MR

Tray category #8 (375 x 187mm)

Contents		1.15	1 / 12
3730M	8, 10, 12, 13, 14, 17, 19		
1123R	T10, T15, T20, T25, T27, T30, T40, T45, T50		



16 PC.



Drawer (579x380)

9-4335MR

KT NO.	Contents		5.01	1 / 2
9-4335MR	4235M	8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32, 36		
9-4235MR	4230M			

9-4235MR

Tray category #9 (375 x 280mm)



25 PC.

9-4435MP

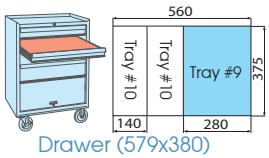
Tray category #9 (375 x 280mm)

Contents		7.3	1 / 2
4435M	8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32, 36		



25 PC.

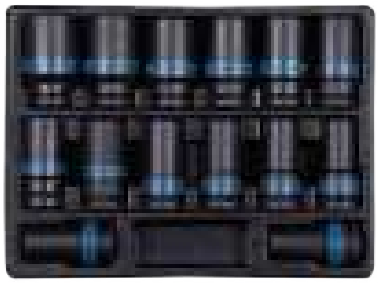
Tool Set Content



Drawer (579x380)

9-6414MP

9-6414MP Tray category #9 (375 x 280mm)


9-6414MP


9-6414SP

14 PC.

KT NO.	Contents	10.9	1 / 2
9-6414MP	6435M	19, 21, 22, 24, 26, 27, 29, 30, 32, 33, 35, 36, 38, 41	
9-6414SP	6435S	3/4, 13/16, 7/8, 15/16, 1, 1-1/16, 1-1/8, 1-3/16, 1-1/4, 1-5/16, 1-3/8, 1-7/16, 1-1/2, 1-5/8	

9-12A1MR

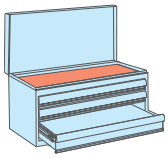
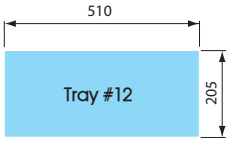
Tray category #9 (375 x 280mm)

Contents	1.91	1 / 4
1061	8, 10, 12, 13, 14, 16, 17, 18, 19, 22, 24	



11 PC.

Tool Chest Set Content

Drawer (504 x 195 mm)

9-4338MR

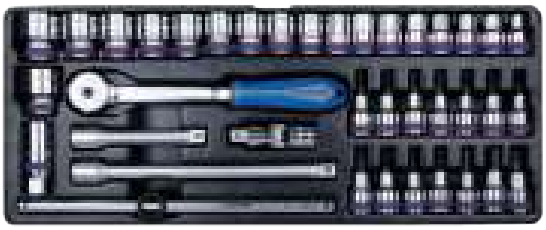
9-4338MR01

9-4338MR03

Tray category #12 (510 x 205mm)

- For Top drawer of 87401-2 / 87401-3 / 87401-3H P.45


9-4338MR

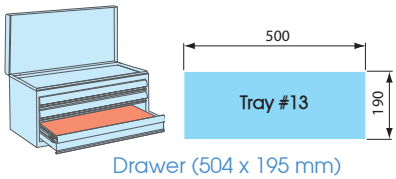

9-4338MR01 / 9-4338MR03

38 PC.

KT NO.	Contents			5.96	1 / 5
9-4338MR	4335MR	10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32	4768-10F	4021 PH2, PH3	4251-05R 4251-10R
9-4338MR01			4755-10G	4022 8, 10	4572-12
9-4338MR03		8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24, 27, 30, 32	4755-10G	4023 T25, T27, T30, T40 4025 H4, H5, H6, H8, H10, H12	4791R 463521R

▪ for 87401-2 / 87401-3 / 87401-3H P.45

Tool Chest Set Content



Drawer (504 x 195 mm)

9-90121MR

Tray category #13 (500 x 190mm)

Contents		2.1	1 / 5
	1900	6 x 7, 8 x 10, 11 x 13, 12 x 13, 17 x 19, 22 x 24	
	1970	8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19	
	1120MR	H1.5, H2, H2.5, H3, H4, H5, H6, H8, H10	

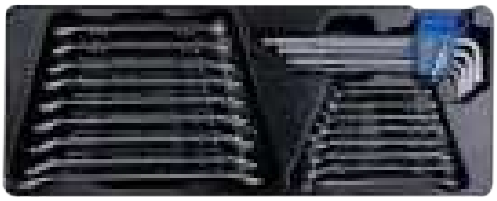


21 PC.

9-90126MR

Tray category #13 (500 x 190mm)

Contents		2.38	1 / 5
	1060	6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22	
	1120MR	H1.5, H2, H2.5, H3, H4, H5, H6, H8, H10	

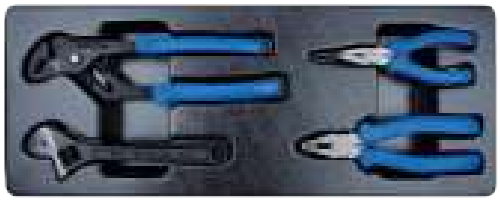


26 PC.

9-90104GP

Tray category #13 (500 x 190mm)

Contents		1.36	1 / 5
	3611-08P		6511-10
	6111-07		6311-06

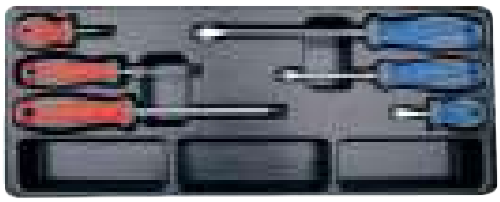


4 PC.

9-31006MR

Tray category #13 (500 x 190mm)

Contents		0.74	1 / 5
	1421	PH1 x 80, PH2 x 38, PH3 x 150	
	1422	6.5 x 38, 5.5 x 100, 8 x 175	



6 PC.

9-90113MA

Tray category #13 (500 x 190mm)

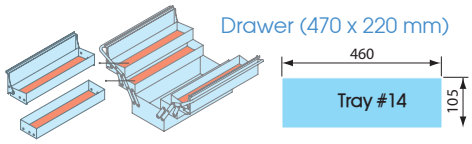
Contents		2.98	1 / 5
	4023	T45	
	4025	H8, H12	
	402B	M16	
	3204	401408M	9AE42
	112005MR 112006MR		9AE2-6606 9AE2-7608 9AE2-7614 9AE2-9315



13 PC.

▪ For 87402 / 87A05 P.46

Tool Box Set Content



9-4219MR
9-4219MR07
9-4219SR08
9-4319MR
9-4319MR01
9-4319MR02
9-4319MR05

Tray category #14 (460 x 105mm)


9-4219MR


9-4219MR07

20 PC.


9-4219SR08


9-4319MR/9-4319MR05


9-4319MR02


9-4319MR01

KT NO.	Contents				kg 2.5 / 1 / 8
9-4219MR	4768-10F	4330MR	10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32		
9-4219MR07	4762-10F	4330MR	10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27		
9-4219SR08		4330SR	5/16, 3/8, 7/16, 15/32, 1/2, 9/16, 19/32, 5/8, 11/16, 3/4, 25/32, 13/16, 7/8, 15/16, 1, 1-1/16, 1-3/16, 1-1/4		
9-4319MR	4768-10F	4335MR	10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32	4791R	
9-4319MR01	4755-10G				
9-4319MR02	4779-10FR				
9-4319MR05	4768-10F		8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24, 27, 30, 32		

9-4116FR
9-4116FR03

Tray category #14 (460 x 105mm)



6 PC.

KT NO.	Contents			kg 2.2 / 1 / 8
9-4116FR	463521R	4251-05R 4251-10R	4572-12	
9-4116FR03	463021R	4452-18FR	4223-02R	

9-1606MR
9-1606MR01

Tray category #14 (460 x 105mm)

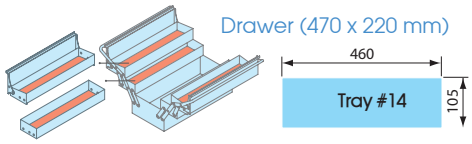


6 PC.

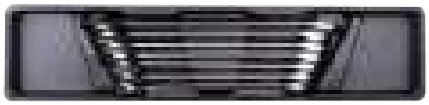
KT NO.	Contents	kg 1.1 / 1 / 8
9-1606MR	1960	10 x 12, 12 x 14, 14 x 17, 17 x 19, 19 x 21, 23 x 26
9-1606MR01		8 x 10, 10 x 12, 12 x 14, 14 x 17, 17 x 19, 22 x 24

▪ For 87402 / 87A05 P.46

Tool Box Set Content



9-1217MR Tray category #14 (460 x 105mm)



7 PC.

Contents	kg 1.5	1 / 8
1060	17, 18, 19, 20, 21, 22, 24	

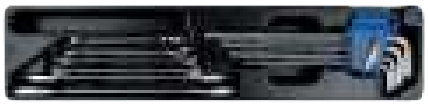
9-1716MR Tray category #14 (460 x 105mm)



6 PC.

Contents	kg 1.1	1 / 8
1970	8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19	

9-90115MR Tray category #14 (460 x 105mm)



15 PC.

Contents	kg 1.2	1 / 8
1900	6 x 7, 8 x 10, 11 x 13, 12 x 13, 17 x 19, 22 x 24	
1120MR	H1.5, H2, H2.5, H3, H4, H5, H6, H8, H10	

9-40203GP Tray category #14 (460 x 105mm)



3 PC.

Contents	kg 0.8	1 / 8
6111-07	6211-06	
6311-06		

9-90120MR Tray category #14 (460 x 105mm)



20 PC.

Contents	kg 1.5	1 / 8
1060	6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16	
1120MR	H1.5, H2, H2.5, H3, H4, H5, H6, H8, H10	

9-30106MR Tray category #14 (460 x 105mm)



6 PC.

Contents	kg 0.8	1 / 8
1421	PH1 x 80, PH2 x 100, PH3 x 150	
1422	5.5 x 100, 6.5 x 150, 8 x 175	

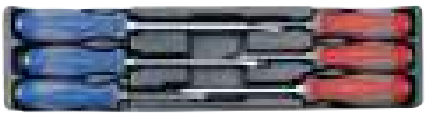
9-90125MR Tray category #14 (460 x 105mm)



15 PC.

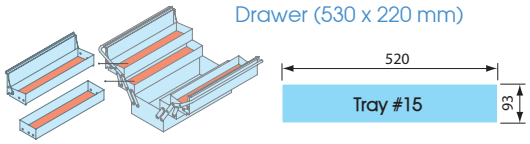
Contents	kg 1.2	1 / 8
1900	8 x 10 , 10 x 12 , 12 x 14 , 14 x 17 , 17 x 19 , 22 x 24	
1120MR	H1.5, H2, H2.5, H3, H4, H5, H6, H8, H10	

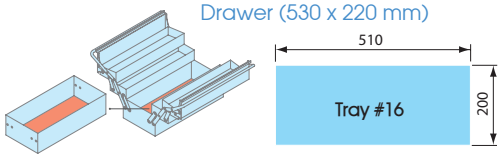
9-30206MR Tray category #14 (460 x 105mm)



6 PC.

Contents	kg 1.18	1 / 8
1461	PH1 x 75, PH2 x 100, PH3 x 150	
1462	5.5 x 100, 6.5 x 150, 8 x 175	





▪ For 87408 only P.46

Tool Box Set Content

9-4029CR Tray category #15 (520 x 93mm)

29 PC.



Contents		2.67	1 / 5
◉	4025	H5, H6, H8, H10, H12, H14	
○	4330MR	8, 10, 11, 12, 13, 14, 15, 16, 17, 19, 21, 22, 23, 24, 26, 27, 28, 30, 32	
○	4330SR	7/16, 9/16, 7/8	
○	463521R		

9-4156PR Tray category #15 (520 x 93mm)

6 PC.



Contents		1.99	1 / 5
	4779-10GR	4572-12	
	4251-03R 4251-05R 4251-10R	4791R	

9-90111MR Tray category #15 (520 x 93mm)

11 PC.

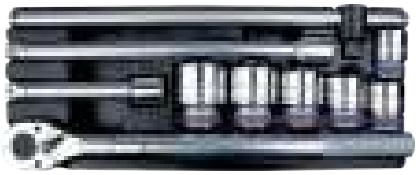


Contents		1.25	1 / 5
◉	1145MR	H1.5, H2, H2.5, H3, H4, H5, H6, H8, H10	
	3611-10P	6511-10C	

9-6010MR Tray category #16 (510 x 200mm)

9-6010MR01

10 PC.



KT NO.	Contents				
9-6010MR	○ 6330M	33, 36, 38, 41, 46, 50	6779-20F 6251-08 6251-16	9.70	1 / 2
9-6010MR01		30, 32, 36, 41, 46, 50	6572-20	9.50	

9-1215MR03 Tray category #16 (510 x 200mm)

15 PC.



Contents		3.12	1 / 2
	1060	8, 10, 11, 12, 13, 14, 17, 18, 19, 21, 22, 24, 27, 30, 32	

HAND SOCKETS & ACCESSORIES

- 1 /4" Drive
  Socket, Bit Socket, Ratchet & Accessory
- 3 /8" Drive
  Socket, Bit Socket, Ratchet & Accessory
- 1 /2" Drive
  Socket, Bit Socket, Ratchet & Accessory
- 3 /4" Drive
  Socket, Bit Socket, Ratchet & Accessory
- 1" Drive
  Socket, Ratchet & Accessory
- Socket Set, Socket & Tool Set,
  Tools Bag Set


KING TONY
13 KING

Socket Made


1 Hot forge


2 Lathing


3 Marking


4 Heat treatment


5 Sand blast


6 Grinding


7 Plating


8 Rubber stripe assembly

Precision forging Technology



Other brand (not good)



King Tony brand (good)

In forging process, metal moved while it is still in the solid state. King Tony specialized in forging technology to create better metal configuration. Non-straight grain flow and non-sharp corners can extend lifetime and durability of socket. Torque is transmitted for powerful tightening under safety.

Conventional heat treatment and microstructural



Other brand:
Over of Troostite (Zn,Mn) element will bring weak point. (not good)



King Tony brand:
Well spread (Fe) element will bring better strength. (good)

Heat treatment involves the use of heating or chilling experience and time control. King Tony controls heat treatment system to ensure the right hardness without the brittleness. From microstructural picture you can see elements are well- distributed.

Professional production & quality control

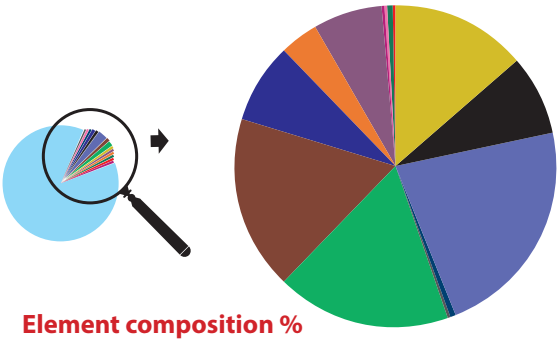




KING TONY hand socket reach 30% higher than DIN international standard.

Quality control also ensure that a sufficient level of production output. King Tony uses advance technology to inspect tiny difference on each step. Our hand socket, ratchet, extension bar, and power handle is 30% higher than international DIN standards. Impact socket reach 50% higher torque than DIN standards.

Finest material for tools

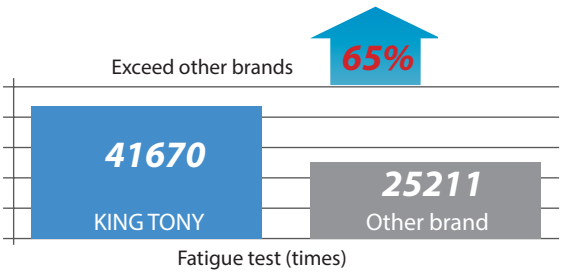


Element composition %

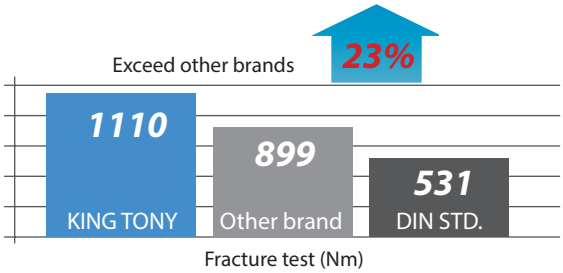
• Fe	97.1025%	• Mo	0.2325%	• P	0.0125%
• Mn	0.6485%	• Si	0.2301%	• S	0.0104%
• Ni	0.5089%	• Cu	0.1970%	• Co	0.0092%
• Cr	0.5058%	• V	0.1130%	• W	0.0088%
• C	0.4000%	• Al	0.0196%	• B	0.0012%

Tools are made to extend hand work. King Tony selects different material depends on its difference of nature for tightening, power impacting, cutting, rotating, and locking. Choose qualified material to meet required lifetime for professional use and consumption.

Extremely hard-wearing performance



Fatigue test (times)



Fracture test (Nm)
1/2DR. 19mm hand socket (433519MR)

King Tony offers reliable tools for professional users, strictly controls its quality to ensure achievement of required performance. From "fracture & fatigue test", you will know the difference we have when compare to others.

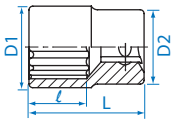
Standard Socket

KT No. & D1

2330M

2330S 1/4"

- Metric-DIN 3124, ISO 2725-1
- Inch-ANSI/ASME B107.1





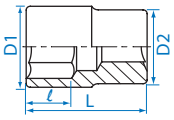
KT NO.	mm	D1 mm	D2 mm	ℓ mm	L mm	g	pcs/box
233004M	4	6.8	11.8	4	24	10	20 / 600
233045M	4.5	7.4	11.8	5	24	10	20 / 600
233005M	5	8.0	11.8	6	24	11	20 / 600
233055M	5.5	8.7	11.8	6	24	11	20 / 600
233006M	6	9.2	11.8	7	24	11	20 / 600
233007M	7	10.3	11.8	7	24	11	20 / 600
233008M	8	11.4	11.8	8	24	11	20 / 600
233009M	9	12.8	12.0	8	24	15	20 / 600
233010M	10	14.3	13.0	9	24	14	12 / 360
233011M	11	15.8	14.2	9	24	20	12 / 360
233012M	12	16.8	15.5	9	24	22	12 / 360
233013M	13	17.8	16.5	9	24	24	12 / 360
233014M	14	19.6	18.5	9	24	30	10 / 300

KT NO.	inch	D1 mm	D2 mm	ℓ mm	L mm	g	pcs/box
233005S	5/32	6.8	11.8	4	24	10	20 / 600
233006S	3/16	7.9	11.8	6	24	10	20 / 600
233007S	7/32	8.7	11.8	6	24	11	20 / 600
233008S	1/4	9.5	11.8	7	24	11	20 / 600
233009S	9/32	10.3	11.8	7	24	11	20 / 600
233010S	5/16	11.4	11.8	8	24	11	20 / 600
233011S	11/32	13.7	12.2	8	24	13	20 / 600
233012S	3/8	14.2	13.0	8	24	14	12 / 360
233014S	7/16	15.8	14.2	9	24	19	12 / 360
233015S	15/32	16.8	15.5	9	24	22	12 / 360
233016S	1/2	17.6	16.5	9	24	24	12 / 360

2335M

2335S 1/4"

- Metric-DIN 3124, ISO 2725-1
- Inch-ANSI/ASME B107.1





KT NO.	mm	D1 mm	D2 mm	ℓ mm	L mm	g	pcs/box
233532M	3.2	5.7	11.8	3.5	24	9	20 / 600
233504M	4	6.8	11.8	4	24	10	20 / 600
233545M	4.5	7.4	11.8	5	24	10	20 / 600
233505M	5	8.0	11.8	6	24	11	20 / 600
233555M	5.5	8.7	11.8	6	24	11	20 / 600
233506M	6	9.2	11.8	7	24	11	20 / 600
233507M	7	10.3	11.8	7	24	11	20 / 600
233508M	8	11.4	11.8	8	24	11	20 / 600
233509M	9	12.8	12.0	8	24	15	20 / 600
233510M	10	14.3	13.0	9	24	14	12 / 360
233511M	11	15.8	14.2	9	24	20	12 / 360
233512M	12	16.8	15.5	9	24	22	12 / 360
233513M	13	17.8	16.5	9	24	24	12 / 360
233514M	14	19.6	18.5	9	24	30	10 / 300
233515M	15	20.9	19.3	12	24	40	10 / 300

KT NO.	inch	D1 mm	D2 mm	ℓ mm	L mm	g	pcs/box
233505S	5/32	6.8	11.8	4	24	10	20 / 600
233506S	3/16	7.9	11.8	6	24	10	20 / 600
233507S	7/32	8.7	11.8	6	24	11	20 / 600
233508S	1/4	9.5	11.8	7	24	11	20 / 600
233509S	9/32	10.3	11.8	7	24	11	20 / 600
233510S	5/16	11.4	11.8	8	24	11	20 / 600
233511S	11/32	13.7	12.2	8	24	13	20 / 600
233512S	3/8	14.2	13.0	8	24	14	12 / 360
233514S	7/16	15.8	14.2	9	24	19	12 / 360
233515S	15/32	16.8	15.5	9	24	22	12 / 360
233516S	1/2	17.6	16.5	9	24	24	12 / 360
233518S	9/16	19.6	18.5	9	24	25.2	10 / 300

Deep Socket

2235M

1/4"

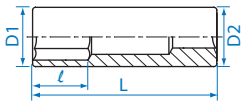
- DIN 3124, ISO 2725-1



KT NO.	mm	D1 mm	D2 mm	ℓ mm	L mm	g	pcs/box
223504M	4	6.9	11.6	6	49.5	20	20 / 320
223545M	4.5	7.5	11.6	6	49.5	21	20 / 320
223505M	5	8.0	11.6	7	49.5	21	20 / 320
223555M	5.5	8.8	11.6	7	49.5	21	20 / 320
223506M	6	9.5	11.6	8	49.5	23	20 / 320
223507M	7	10.5	11.6	12	49.5	23	20 / 320
223508M	8	11.8	11.8	15	50	24	20 / 320
223509M	9	13.0	13.0	15	50	29	15 / 240
223510M	10	14.5	14.5	15	50	38	15 / 240
223511M	11	15.8	15.8	21	50	44	15 / 240
223512M	12	16.8	16.8	21	50	53	15 / 240
223513M	13	17.8	17.8	21	50	51	15 / 240
223514M	14	19.8	19.8	21	50	68	15 / 240
223515M	15	20.9	20.9	25	50	79	12 / 240

2235S

1/4"



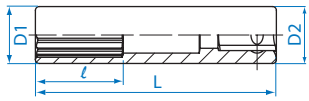


KT NO.	inch	D1 mm	D2 mm	ℓ mm	L mm	g	pcs/box
223505S	5/32	6.8	11.8	6	50	24	20 / 320
223506S	3/16	7.9	11.8	7	50	24	20 / 320
223507S	7/32	8.7	11.8	9	50	25	20 / 320
223508S	1/4	9.5	11.8	9	50	25	20 / 320
223509S	9/32	10.3	11.8	15	50	25	20 / 320
223510S	5/16	11.8	11.8	15	50	24	20 / 320
223511S	11/32	13.0	13.0	15	50	31	15 / 240
223512S	3/8	14.5	14.5	15	50	34	15 / 240
223514S	7/16	15.8	15.8	21	50	46	15 / 240
223516S	1/2	17.6	17.6	21	50	56	15 / 300
223518S	9/16	19.6	19.6	21	50	52.2	15 / 270

Deep Socket

2230M — 1/4"

- DIN 3124, ISO 2725-1



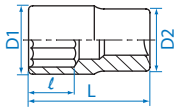


KT NO.	mm	D1 mm	D2 mm	ℓ mm	L mm	g	pcs / box
223004M	4	6.8	11.8	6	50	20	20 / 320
223045M	4.5	7.4	11.8	7	50	21	20 / 320
223005M	5	8.0	11.8	7	50	21	20 / 320
223055M	5.5	8.7	11.8	9	50	22	20 / 320
223006M	6	9.2	11.8	9	50	22	20 / 320
223007M	7	10.3	11.8	15	50	22	20 / 320
223008M	8	11.8	11.8	15	50	24	20 / 320
223009M	9	13.0	13.0	15	50	30	15 / 240
223010M	10	14.5	14.5	15	50	38	15 / 240
223011M	11	15.8	15.8	21	50	44	15 / 240
223012M	12	16.8	16.8	21	50	53	15 / 240
223013M	13	17.8	17.8	21	50	51	15 / 240
223014M	14	19.8	19.8	21	50	67	15 / 240

Double Square Socket

2310M — 2310S — 1/4"

- Metric-DIN 3120
- Inch-ANSI / ASME B107.1



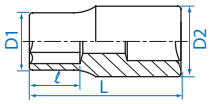


KT NO.	mm	D1 mm	D2 mm	ℓ mm	L mm	g	pcs / box
231008M	8	13.8	13.0	9	24	14	12 / 360
231010M	10	16.8	15.4	9	24	14	12 / 360
KT NO.	inch	D1 mm	D2 mm	ℓ mm	L mm	g	pcs / box
231010S	5/16	13.8	13.0	9	24	14	12 / 360
231012S	3/8	16.8	15.4	9	24	14	12 / 360

Star Socket

2375M — 1/4"

- DIN 3120



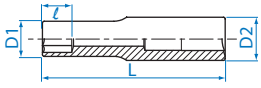


KT NO.	Size	D1 mm	D2 mm	ℓ mm	L mm	g	pcs / box
237504M	E4	6.0	11.8	3.6	24	13	20 / 600
237505M	E5	7.0	11.8	4.0	24	13	20 / 600
237506M	E6	8.0	11.8	6.0	24	13	20 / 600
237507M	E7	8.5	11.8	7.0	24	13	20 / 600
237508M	E8	9.8	11.8	8.0	24	13	20 / 600
237510M	E10	11.8	11.8	9.0	24	13	20 / 600

Star Socket

2275M — 1/4"

- DIN 3120





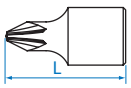
KT NO.	Size	D1 mm	D2 mm	ℓ mm	L mm	g	pcs / box
227504M	E4	6.0	11.8	3.6	50	22	20 / 320
227505M	E5	7.0	11.8	4.0	50	22	20 / 320
227506M	E6	8.0	11.8	6.0	50	23	20 / 320
227507M	E7	8.5	11.8	7.0	50	24	20 / 320
227508M	E8	9.8	11.8	8.0	50	26	20 / 320

Bit Socket

CAUTION — In order to get normal life of bit socket, always use within limited torque to bit.

2011X — 1/4"

- Phillips head
- DIN ISO 8764-1

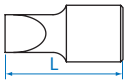




KT NO.	No.	L mm	g	pcs / box
201101X	PH1	25	9	20 / 600
201102X	PH2	25	10	20 / 600
201103X	PH3	25	10	20 / 600
201104X	PH4	25	12	20 / 600

2012X — 1/4"

- Slotted head
- DIN ISO 2380-1

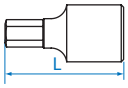




KT NO.	Tip width mm	Tip thickness mm	L mm	g	pcs / box
201235X	3.5	0.6	25	8	20 / 600
201255X	5.5	1.0	25	9	20 / 600
201208X	8	1.2	25	10	20 / 600

2015X — 1/4"

- Hexagon head
- DIN ISO 2380-1





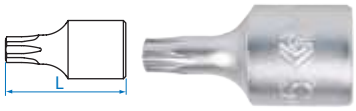
KT NO.	mm	L mm	g	pcs / box
201503MX	H3	25	8	20 / 600
201504MX	H4	25	9	20 / 600
201505MX	H5	25	10	20 / 600
201506MX	H6	25	10	20 / 600
201508MX	H8	25	12	20 / 600
201510MX	H10	25	12	20 / 600
201504SX	1/8	25	8	20 / 600
201506SX	3/16	25	9	20 / 600
201507SX	7/32	25	10	20 / 600
201508SX	1/4	25	10	20 / 600
201510SX	5/16	25	12	20 / 600
201512SX	3/8	25	12	20 / 600

Bit Socket

KT No. & D1

2013X — 1/4"

- For torx internal screw



KT NO.	Size	L mm	g	
201308X	T8	25	8	20 / 600
201309X	T9	25	8	20 / 600
201310X	T10	25	8	20 / 600
201315X	T15	25	8	20 / 600
201320X	T20	25	8	20 / 600
201325X	T25	25	9	20 / 600
201327X	T27	25	9	20 / 600
201330X	T30	25	9	20 / 600
201340X	T40	25	10	20 / 600

2018X — 1/4"

- Pozidriv head
- DIN ISO 8764-1



KT NO.	No.	L mm	g	
201801X	PZ1	25	8.5	20 / 600
201802X	PZ2	25	9.5	20 / 600
201803X	PZ3	25	10	20 / 600
201804X	PZ4	25	12	20 / 600

2031 — 1/4"

- Phillips head
- DIN ISO 8764-1



KT NO.	No.	L mm	g	
203101	PH1	37	14	20 / 600
203102	PH2	37	14	20 / 600
203103	PH3	37	15	20 / 600
203104	PH4	37	16	20 / 600

2032 — 1/4"

- Slotted head
- DIN ISO 8764-1



KT NO.	Tip width mm	Tip thickness mm	L mm	g	
203235	3.5	0.5	37	14	20 / 600
203204	4	0.8	37	14	20 / 600
203255	5.5	1.0	37	15	20 / 600
203265	6.5	1.2	37	15	20 / 600
203207	7	1.2	37	15	20 / 600
203208	8	1.2	37	16	20 / 600
203210	10	1.6	37	17	20 / 600

2035 — 1/4"

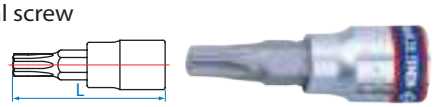
- Hexagon head
- DIN 7422 / 3120



KT NO.	mm	L mm	g	
203503	H3	37	13	20 / 600
203504	H4	37	15	20 / 600
203505	H5	37	15	20 / 600
203506	H6	37	15	20 / 600
203507	H7	37	16	20 / 600
203508	H8	37	17	20 / 600
203510	H10	37	21	20 / 600

2033 — 1/4"

- For torx internal screw
- DIN 3120



KT NO.	Size	L mm	g	
203308	T8	37	12	20 / 600
203309	T9	37	12	20 / 600
203310	T10	37	13	20 / 600
203315	T15	37	14	20 / 600
203320	T20	37	14	20 / 600
203325	T25	37	14	20 / 600
203327	T27	37	14	20 / 600
203330	T30	37	15	20 / 600
203340	T40	37	16	20 / 600

2037 — 1/4"

- For tamper resistant torx screw
- DIN 3120



KT NO.	Size	L mm	g	
203708	T8H	37	12	20 / 600
203709	T9H	37	12	20 / 600
203710	T10H	37	13	20 / 600
203715	T15H	37	14	20 / 600
203720	T20H	37	14	20 / 600
203725	T25H	37	14	20 / 600
203727	T27H	37	14	20 / 600
203730	T30H	37	15	20 / 600
203740	T40H	37	16	20 / 600

Ratchet

2725

FINE GEAR 1/4"

- Reversible ratchet
- 8° gear action degree (45 teeth)

KT NO.	Overall length inch	mm	g	pcs / box
2725-55F	5-1/2	140	144	5 / 90
2725-55G	5-1/2	140	171	5 / 90
2725DK	renewal kits		-	-



2725DK



2725-55G



2725-55F

2755

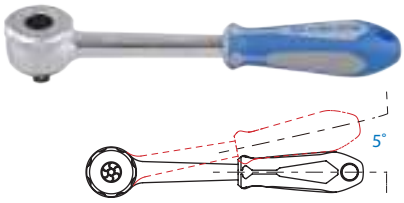
FINE GEAR 1/4"

- Reversible ratchet
- 5° gear action degree (72 teeth)
- DIN 3122

KT NO.	Overall length inch	mm	g	pcs / box
2755-55G	5-1/2	140	109	5 / 90
2755DK	renewal kits		-	-



2755DK



2756

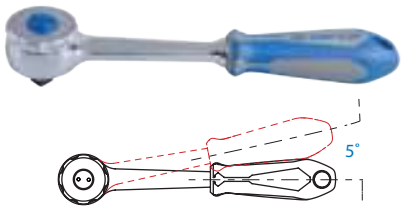
QUICK RELEASE FINE GEAR 1/4"

- Quick release reversible ratchet
- 5° gear action degree (72 teeth)
- DIN 3122

KT NO.	Overall length inch	mm	g	pcs / box
2756-55G	5-1/2	140	120	5 / 90
2756DK	renewal kits		-	-



2756DK



2752

QUICK RELEASE FINE GEAR 1/4"

- Quick release flexible and reversible ratchet
- 5° gear action degree (72 teeth)
- Multi-angle design for difficult-to-reach fasteners



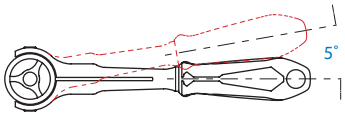


KT NO.	Overall length inch	mm	g	pcs / box
2752-06G	6	150	127	6 / 108
2752DK	renewal kits		-	-



2752DK





2752-45G

QUICK RELEASE FINE GEAR 1/4"

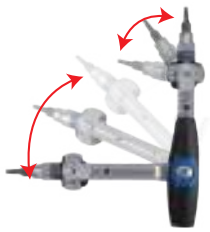
- Swivel head ratchet
- Quick release flexible and reversible ratchet
- 5° gear action degree(72 teeth)
- Application: T-handle ratchet / screwdriver ratchet

KT NO.	Overall length inch	mm	g	pcs / box
2752-45G	4-1/2	114	123	6 / 108









Ratchet

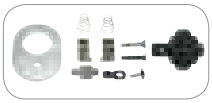
KT No. & D1

2761

QUICK RELEASE 1/4"

- Quick release reversible ratchet
- 15° gear action degree (24 teeth)
- Two teeth pawl action
- DIN 3122

KT NO.	Overall length inch	mm	g	pcs / box
2761-55F	5-1/2	140	169	6 / 108
2761-55P	5-1/2	140	158	6 / 108
2761DK	renewal kits		-	-



2761DK



2761-55F



2761-55P

2769

1/4"

- Reversible ratchet
- 15° gear action degree (24 teeth)
- Two teeth pawl action
- DIN 3122

KT NO.	Overall length inch	mm	g	pcs / box
2769-55F	5-1/2	140	126	6 / 108
2769-55P	5-1/2	140	125	6 / 108
2769DK	renewal kits		-	-



2769DK



2769-55F



2769-55P

2771

QUICK RELEASE 1/4"

- Quick release reversible ratchet
- 15° gear action degree (24 teeth)
- Two teeth pawl action
- DIN 3122

KT NO.	Overall length inch	mm	g	pcs / box
2771-55F	5-1/8	130	140	6 / 108
2771-55G	5-1/8	130	111	6 / 108
2771DK	renewal kits		-	-



2771DK



2771-55F



2771-55G

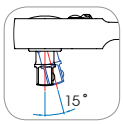
2774

1/4"

- Universal joint reversible ratchet
- 15° gear action degree (24 teeth)
- Two teeth pawl action
- DIN 3122

KT NO.	Overall length inch	mm	g	pcs / box
2774-55F	5-1/8	130	154	6 / 108
2774-55G	5-1/8	130	122	6 / 108
2774DK	renewal kits		-	-







2774DK



2774-55F



2774-55G

2779

1/4"

- Reversible ratchet
- 15° gear action degree (24 teeth)
- Two teeth pawl action
- DIN 3122

KT NO.	Overall length inch	mm	g	pcs / box
2779-55F	5-1/8	130	146	6 / 108
2779-55G	5-1/8	130	114	6 / 108
2779DK	renewal kits		-	-



2779DK



2779-55F



2779-55G

Ratchet

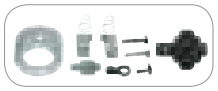
KT No. & D1

2781

QUICK RELEASE 1/4"

- Quick release flexible and reversible ratchet
- 15° gear action degree (24 teeth)
- Two teeth pawl action
- DIN 3122

KT NO.	Overall length inch	Overall length mm	g	pcs / box
2781-06P	6	150	148	6 / 108
2781DK	renewal kits		-	-



2781DK



2789

1/4"

- Flexible and reversible ratchet
- 15° gear action degree (24 teeth)
- Two teeth pawl action
- DIN 3122

KT NO.	Overall length inch	Overall length mm	g	pcs / box
2789-06P	6	150	140	6 / 108
2789DK	renewal kits		-	-



2789DK



2760

MINI RATCHET 1/4"

- Mini reversible ratchet
- 5° gear action degree (72 teeth)
- Two teeth pawl action
- DIN 3122

KT NO.	Overall length inch	Overall length mm	g	pcs / box
2760-04	4	100	73	8 / 128
2760DK01	renewal kits		-	-

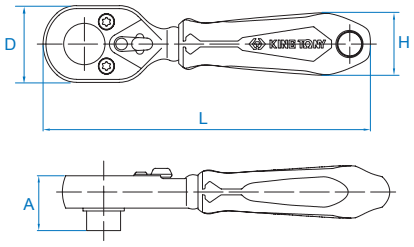


2760DK01



2765

- Mini bit holder ratchet
- 5° gear action degree (72 teeth)
- Two teeth pawl action



KT NO.	A mm	D mm	L mm	H mm	g	pcs / box
2765-04G	18.5	26	111	20	100	6 / 108
276A-04G	23	26	111	20	99	6 / 108
2765DK			renewal kits			
276ADK			renewal kits			

276A

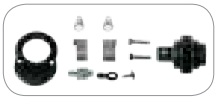
FINE GEAR MINI RATCHET 1/4"



2765DK



2765-04G



276ADK



276A-04G



2765-04G (top, side, back)



276A-04G (top, side, back)

Mini Ratchet Set

1001MR 1/4"

- Mini ratchet set
- 5° gear action degree (72 teeth)
- Two teeth pawl action

10 PC.



Contents		0.19 kg	6 / 36
1025P	PH1, PH2		
1025T	T10, T15, T20		
1025H	H3, H4, H5, H6		
2765-04G			

2515MR 1/4"

- Mini ratchet set
- 5° gear action degree (72 teeth)
- Two teeth pawl action

15 PC.



Contents		0.26 kg	6 / 36
2335M	5, 5.5, 6, 7, 8		
1025P	PH1, PH2		
1025T	T10, T15, T20		
1025H	H3, H4, H5, H6		
276A-04G			

2501MR 1/4"

- 5° gear action degree (72 teeth)
- Two teeth pawl action

21 PC.

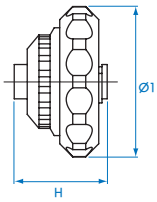


Contents		0.36 kg	4 / 48
2335M	4, 5, 6, 7, 8, 9, 10, 11, 12, 13		
1025P	PH1, PH2, PH3		
1025T	T10, T20, T30		
1025H	H4, H6		
1025S	5.5x1.0, 6.5x1.2		
276A-04G			

Accessory

2745 1/4"

- Palm ratchet bit holder
- Non-toothed palm ratchet is designed for any angle of degree
- 3 position of forward / lock / reverse
- Suitable for narrow space where a standard wrench cannot attain
- Anodized aluminum alloy body & chrome vanadium alloy steel bit holder







KT NO.	Ø1 mm	H	g	
2745	46	26.5	103	12 / 144

- Material - chrome vanadium alloy steel
- Finishing - polished, chrome plated


KT No. & D1

2221 1/4"

- Extension bar
- DIN 3122



KT NO.	Overall length inch	Overall length mm	g	
2221-02	2	55	24	30 / 480
2221-03	3	75	37	20 / 400
2221-04	4	100	45	15 / 240
2221-06	6	150	67	15 / 300
2221-10	10	254	108	15 / 240
2221-12	12	305	130	15 / 240

CAUTION In order to get normal life of bit socket, Always use within limited torque to bit.

2223 1/4"

- Offset extension bar
- Max. torque:35 Nm
- DIN 3123



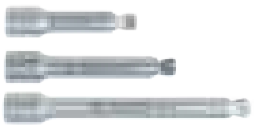
KT NO.	Overall length inch	Overall length mm	g	
2223-02	2	55	23	30 / 480
2223-04	4	100	45	15 / 240

Accessory

2293 1/4"

- Multi-function extension bar and offset extension bar
- Hex key is applicable to the hex shank
- Max. torque : 35 Nm
- DIN 3123





KT NO.	Overall length inch	mm		
2293-02	2	55	25	30 / 480
2293-03	3	75	35	20 / 400
2293-04	4	100	45	15 / 240
2293-06	6	150	140	15 / 300


KT No. & D1

2311 1/4"

- Flexible extension bar



KT NO.	Overall length inch	mm		
2311-06	6	150	68	12 / 384
2311-12	12	300	92	12 / 120
2311-18	18	450	120	20 / 200


KT No. & D1

2312 1/4"

- Flexible extension bar



KT NO.	Overall length inch	mm		
2312-06	6	150	59	12 / 240

2792 1/4"

- Universal joint
- DIN 3123



KT NO.	Overall length inch	mm		
2792	1 - 1/2	36	29	24 / 384

2813 1/4"

- Adapter
- Convert to 3/8" drive
- DIN 3123


3/8" drive (M) ← 1/4" drive (F)

KT NO.	Spec.		
2813	1/4" F x 3/8"M	20	12 / 360

213312DF 1/4"

- Magnetic screwdriver handle
- DIN 3126



KT NO.	Overall length inch	mm		
213312DF	12	300	132	2 / 40

2177DF 1/4"

- Spinner handle
- DIN 3122



KT NO.	Overall length inch	mm		
2177DF	12-1/4	310	126	6 / 60

2178DF 2179DF 1/4"

- Spinner handle
- DIN 3122


2178DF (PP + TPR)


2179DF (PP)

KT NO.	Overall length inch	mm		
2178DF	6	150	75	6 / 120
2179DF	6	150	90	12 / 192

2178TG 1/4"

- Spinner handle
- DIN 3122



KT NO.	■	mm	mm		
2178TG	1/4	115	154	100	6 / 96


KT No. & D1

2452 1/4"

- Flexible handle
- Action degree -180°
- DIN 3122




2452DK

KT NO.	Overall length inch	mm		
2452-05F	5	130	88	15 / 270
2452DK	renewal kits			

Accessory

KT No. & D1

2453 1/4"

- Flexible handle
- Action degree -180°
- New pattern design added in firm and powerful elements
- New forge technologies I-Beam shank offers 15% lightweight
- DIN 3122





2452DK

KT NO.	Overall length inch	mm	g	
2453-05F	5	130	67	15 / 270
2452DK	renewal kits			

- Material - chrome vanadium alloy steel
- Finishing - polished, chrome plated & black phosphate sunk

2571 1/4"

- Sliding T-handle
- DIN 3122



KT NO.	Overall length inch	mm	g	
2571-45	4-1/2	115	41	12 / 192



KT No. & D1

2141

- Bit holder
- DIN 3122

2142 1/4"



KT NO.	Size inch	Overall length mm	g	
2141	1/4	25	14.0	20 / 320
2142	1/4	25	14.2	20 / 320

Socket Rail Set

2509MR 1/4"

- Socket rail 150mmL



9 PC.

Contents	kg	0.17		40
2335M	4, 5, 6, 7, 8, 9, 10, 11, 13			
8720609				

Socket Rail Set

2509SR 1/4"

- Socket rail 150mmL



9 PC.

Contents	kg	0.17		40
2335S	5/32, 3/16, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2			
8720609				

2513MR 1/4"

- Socket rail 150 mmL

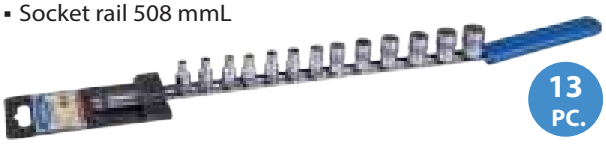


13 PC.

Contents	kg	0.23		6 / 60
2335M	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14			
8721114				

2513MRD1 1/4"

- Socket rail 508 mmL



13 PC.

Contents	kg	0.34		50
2335M	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14			
8720813D1				

2311MR 1/4"

- Socket rail 240 mmL



13 PC.

Contents	kg	0.46		6 / 60
2235M	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13,14			
8721114				

2127PR 1/4"

- Socket rail 130mmL
- For hex head screw
- H : 37mm



7 PC.

Contents	kg	0.15		50
2035	H3, H4, H5, H6, H7, H8, H10			
8720507				

Socket Rail Set

2109PR 1/4"

- Socket rail 150mmL
- For torx head screw
- H : 37mm

9 PC.



Contents			0.12	50
2033	T8, T9, T10, T15, T20, T25, T27, T30, T40			
8720609				

2107PR 1/4"

- Socket rail 130mmL
- For tamper resistant torx head screw
- H : 37mm

7 PC.



Contents		0.12	50
2037	T10H, T15H, T20H, T25H, T27H, T30H, T40H		
8720507			

2119PR 1/4"

- Socket rail 150mmL
- For tamper resistant torx head screw
- H : 37mm

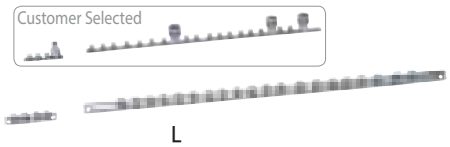
9 PC.



Contents		0.12	50
2037	T8H, T9H, T10H, T15H, T20H, T25H, T27H, T30H, T40H		
8720609			

872 1/4"

- Rail length from 160 mm to 560 mm



KT NO.	L (mm)
870406	160
870208	200
870422	560
8720	-

872D1 new 1/4"

Socket rail carrier with retaining clip
26" roller cabinet





KT NO.	Square drive	Clip	L (mm)
8720813D1	1/4"	13	508

Extension Bar Set

2104PR 1/4"



4 PC.

Contents		0.17	1 / 80
2221	2", 3", 4", 6"		

Socket Set

2313MR 1/4"



13 PC.

Contents		0.42	20
2335M	4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14		
2766-55G	2221-04		

2510SR 1/4"

Metal case size (mm) :
223 x 65 x 32 (0.016 cuft)

10 PC.



Contents		0.62	1 / 30
2235S	5/32, 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2		

2511MR 1/4"

Metal case size (mm) :
223 x 65 x 32 (0.016 cuft)

11 PC.



Contents		0.67	1 / 30
2235M	4, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13		

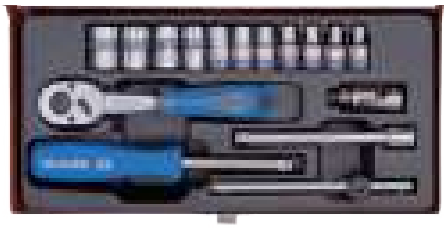
Socket Set

2516MR

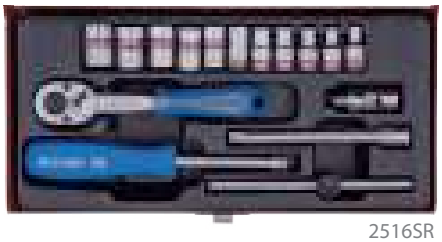
2516SR 1/4"

Metal case size (mm) :
244 x 118 x 37 (0.038 cuft)

16 PC.



2516MR



2516SR

1.10 | 1 / 18

KT NO.		Contents	
2516MR	2335M	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 13	2779-55G, 2571-45, 2179DF, 2221-04, 2792
2516SR	2335S	5/32, 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 15/32, 1/2	

2518MR

2518SR

2518MR01 1/4"

Metal case size (mm) :
198 x 105 x 32 (0.023cuft)

18 PC.



2518MR/2518MR01



2518SR

0.96 | 1 / 20

KT NO.		Contents		
2518MR	2335M	4, 4.5, 5, 6, 7, 8, 9, 10, 11, 12	2310M 8, 10	2452-05F, 2571-45, 2725-55F, 2792, 2221-02, 2221-04
2518SR	2335S	5/32, 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2	2310S 5/16, 3/8	
2518MR01	2335M	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13		

2019MR

2019SR

2519MR

2519SR 1/4"

Metal case size (mm) :
198 x 105 x 32 (0.023 cuft)

18 PC.



2019MR/2519MR



2019SR/2519SR

0.92 | 1 / 20

KT NO.		Contents		
2019MR	2330M	4, 4.5, 5, 6, 7, 8, 9, 10, 11, 12	2310M 8, 10	2769-55P, 2452-05F, 2221-02, 2221-04, 2571-45, 2792
2519MR	2335M			
2019SR	2330S	5/32, 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2	2310S 5/16, 3/8	
2519SR	2335S			

Socket Set

2021MR

Metal case size (mm) :
198 x 105 x 32 (0.023 cuft)

KT NO.	Contents		0.87	1 / 20
2021MR	○ 2330M	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13	2779-55G	2221-02 2221-04
2521MR	○ 2335M		2452-05F	2571-45
			2792	2141

2521MR 1/4"



19 PC.

2525MRE 1/4"

Blow case size (mm) :
203 x 93 x 43(0.028cuft)

Contents		0.56	1 / 20
○ 2335M	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13		
⊕ 1025P	PH2 x2		
⬢ 1025H	H5, H6		
✱ 1025T	T10, T15, T20, T25, T30, T40		
2771-55G	2221-04	2142	



25 PC.

2027MRE new 1/4"

Blow case size (mm) :
203 x 93 x 43(0.028cuft)



2527MRE new 1/4"



27 PC.

KT NO.			Contents		0.60	1 / 20
2027MRE	○ 2330M	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 12, 13, 14	⊕ 1025P	PH1, PH2	2221-04	
2527MRE	○ 2335M		⬢ 1025H	H3, H4, H5	276A-04G	
			✱ 1025T	T10, T15, T20, T25, T30, T40	2142	
					2792	

Socket Set

2526MR

Metal case size (mm) :
244 x 118 x 37 (0.038 cuft)



2526MR

2526SR 1/4"



26 PC.

2526MR

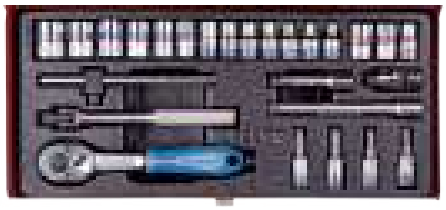
KT NO. | Contents | 1.30 | 1 / 18

KT NO.			Contents
2526MR	○	2335M	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 13
	○	2235M	4, 5, 5.5, 6, 7, 8, 9, 10, 11, 13
2526SR	○	2335S	5/32, 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 15/32, 1/2
	○	2235S	5/32, 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2

2779-55G, 2221-02, 2221-04, 2792, 2813

2526CR 1/4"

Metal case size (mm) :
280 x 130 x 41 (0.053 cuft)



26 PC.

Contents | 1.30 | 1 / 10

○	2335M	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14
○	2335S	1/4, 3/8, 1/2
★	2033	T20, T25, T30, T40

2779-55G, 2452-05F, 2571-45, 2221-02, 2221-04, 2792

2030CR

2530CR 1/4"

Metal case size (mm) :
244 x 118 x 37 (0.038 cuft)



30 PC.

KT NO. | Contents | 1.30 | 1 / 18

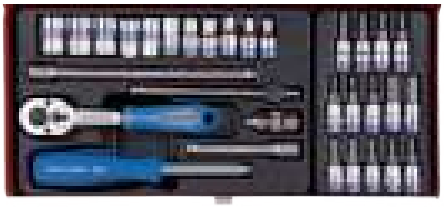
KT NO.			Contents
2030CR	○	2330M	4, 4.5, 5, 6, 7, 8, 9, 10, 11, 12
	○	2330S	5/32, 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2
2530CR	○	2335M	4, 4.5, 5, 6, 7, 8, 9, 10, 11, 12
	○	2335S	5/32, 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2
	○	2310M	8, 10
	○	2310S	5/16, 3/8

2769-55F, 2792, 2571-45, 2452-05F, 2221-02, 2221-04

2031MR

2531MR 1/4"

Metal case size (mm) :
280 x 130 x 41 (0.053 cuft)



31 PC.

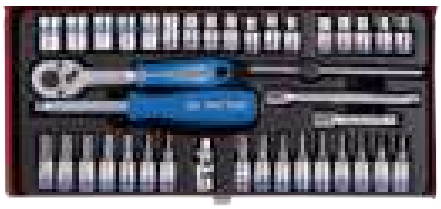
KT NO. | Contents | 1.60 | 1 / 15

KT NO.			Contents
2031MR	○	2330M	4, 4.5, 5, 6, 7, 8, 9, 10, 11, 12, 13
2531MR	○	2335M	

★ 2033 T8, T9, T10, T15, T20, T25, T27, T30
● 2035 H3, H4, H5, H6, H8, H10
2779-55G, 2221-03, 2221-06, 2179DF, 2571-45, 2792

2539MR 1/4"

Metal case size (mm) :
280 x 130 x 41 (0.053 cuft)



39 PC.

Contents | 1.61 | 1 / 15

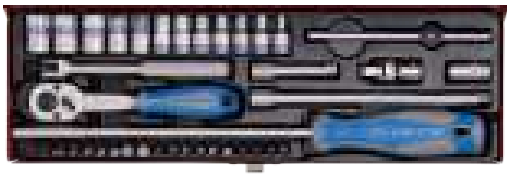
○	2335M	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13
✪	2375	E4, E5, E6, E7, E8
★	2033	T8, T9, T10, T15, T20, T25, T27, T30, T40
●	2035	H3, H4, H5, H6, H7, H8, H10

2779-55G, 2179DF, 2571-45, 2221-02, 2221-04, 2792

Socket Set

2540MR 1/4"

Metal case size (mm):
316 x 104 x 40 (0.047 cuft)



39 PC.

Contents		1.52	1 / 12
2335M	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13		
1025S	4, 5.5, 7		
1025P	PH0, PH1, PH2, PH3		
1025H	H3, H4, H5, H6, H7, H8		
1025T	T10, T15, T20, T25, T30, T40		
2779-55G	213312DF	2792 2141	
2571-45	2452-05F	2221-02 2221-06	

2575MR 1/4"

Metal case size (mm):
244 x 118 x 37 (0.038 cuft)



45 PC.

Contents		1.24	1 / 18
2335M	4, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14		
1025S	4, 6.5, 7, 8		
1025P	PH1, PH2, PH3		
1025H	H2.5, H3, H4, H5, H6, H7, H8, H10		
1025U	T8H, T9H, T10H, T15H, T20H, T25H, T27H,T30H, T40H		
1025Z	PZ1, PZ2, PZ3		
2755-55G	2223-02	2792	
2311-06	2179DF	2142	

2551MR

Metal case size (mm):
244 x 118 x 37 (0.038 cuft)



2551MR

2551MR01 1/4"



2551MR01

51 PC.

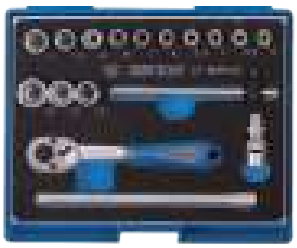
KT NO.		Contents					1.30	1 / 18
2551MR	2755-55G	2235M	4, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14	1025U	T10H, T15H, T20H, T25H, T27H, T30H, T40H	2813	2142	2792
		1025S	3, 4, 5, 6	1025Z	PZ1, PZ2 x2, PZ3	7702-25	753-63	
2551MR01	2761-55F	1025P	PH1, PH2 x2, PH3	1025T	T10, T15, T20, T25, T27, T30, T40	2223-02 2223-04	2178DF	
		1025H	H3, H4, H5, H6					

2516MRV03

Tray category #11 (187 x 140mm) 1/4"

Plastic case size (mm) :
199 x 161 x 56 (0.063 Cuft)

Contents		0.75	1/16
2335M	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14		
2771-55G	2571-45		
2221-06	2792		



17 PC.

2524MRV

Tray category #11 (187 x 140mm) 1/4"

Plastic case size (mm) :
199 x 161 x 56 (0.063 Cuft)

Contents		0.9	1/16
2335M	4, 4.5, 5 , 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14		
2771-55G	2571-45	2142	
2221-02 2221-04 2221-06	2178DF	2792	



21 PC.

Socket Set

2528MRV

Tray category #11 (187 x 140mm) 1/4"

Plastic case size (mm) :
199x 161 x 56 (0.063 Cuft)

29 PC.



Contents		0.76	1 / 16
2335M	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11,12, 13, 14		
1025H	H3, H4, H5, H6		
1025S	4, 5		
1025T	T10, T15, T20, T30		
1025P	PH1, PH2		
276A-04G	2792	2221-06	2142

2331SRV new

Tray category #7 (280 x 187mm) 1/4"

Plastic case size (mm) :
289 x 230 x 66 (0.154Cuft)

31 PC.



Contents		1.63	1 / 6
2335S	5/32, 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 15/32, 1/2, 9/16		
2235S	5/32, 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2, 9/16		
2771-55G	2571-45	2142	
2221-02 2221-04 2221-06	2792	2178DF	

2534MRV

Tray category #7 (280 x 187mm) 1/4"

Plastic case size (mm) :
289 x 230 x 66 (0.154Cuft)

34 PC.



Contents		1.76	1 / 6
2335M	4, 4.5, 5 ,5.5 , 6 , 7 , 8 , 9 , 10 , 11 ,12 , 13, 14		
2235M	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14		
2771-55G	2571-45	2142	
2221-02 2221-04 2221-06	2178DF	2792	

2044SRV

Plastic case size (mm) :
389 x 185 x 66 (0.168 Cuft)

2544SRV

Tray category #10 (375 x 140mm) 1/4"

44 PC.



2044SRV



2544SRV

KT NO.			Contents	1.62	1 / 10
2044SRV	2330S	5/32, 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 15/32, 1/2	2235S	5/32, 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2	2142
2544SRV	2335S		1025S	3, 4.5, 5, 6.5, 8	2792
			1025P	PH0, PH1, PH2, PH3	2223-02 2223-04
			5025H	H3/64, H1/16, H5/64, H3/32, H7/64, H1/8, H9/64, H5/32	2752-06G 2178DF

Socket Set

2048MRV

Plastic case size (mm) :
389 x 185 x 66 (0.168 Cuft)



2048MRV

2548MRV Tray category #10 (375 x 140mm) 1/4"



2548MRV

48 PC.

KT NO.			Contents	
2048MRV	2330M	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14	2235M: 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14 1025S: 3, 4.5, 5, 6.5, 8 1025P: PH0, PH1, PH2, PH3 1025H: H3, H4, H5, H6, H7, H8, H10	2142 2792 2223-02 2223-04 2178DF 2752-06G
2548MRV	2335M			

1.79 | 1 / 10

2550MRV

Tray category #8 (375 x 187mm) 1/4"

Plastic case size (mm) :
389 x 230 x 66 (0.208 Cuft)



50 PC.

Contents			
2335M	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14		
2375M	E4, E5, E6, E7, E8		
2031	PH1, PH2, PH3, PH4		
2032	4, 5.5, 6.5, 8, 10		
2033	T8, T9, T10, T15, T20, T25, T27, T30, T40		
2035	H3, H4, H5, H6, H7, H8, H10		
2771-55G		2178DF	
2571-45		2792	
2293-04 2293-06		2221-02	

2.2 | 1 / 6

2553MRV

Tray category #10 (375 x 140mm) 1/4"

Plastic case size (mm) :
389 x 185 x 66 (0.168 Cuft)



53 PC.

Contents		
2335M	4, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14	
1025H	H3, H4, H5, H6, H7, H8, H10	
1025S	3, 4.5, 5, 6.5, 8	
1025P	PH0, PH1, PH2, PH3	
1025U	T10H, T15H, T20H, T25H, T27H, T30H, T40H	
1025Z	PZ1, PZ2, PZ3	
1025T	T10, T15, T20, T25, T27, T30, T40	
7702-25	2792	2813

1.67 | 1 / 10

Contents

276A-04G	213312DF
2223-02 2223-04	2745

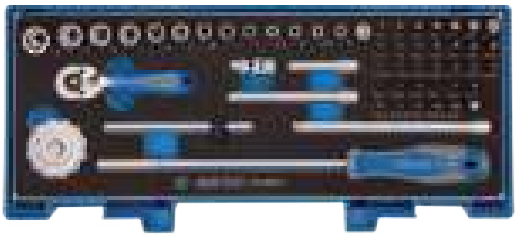
Socket Set

2553MRV01

Tray category #10 (375 x 140mm) 1/4"

Plastic case size (mm) :
389 x 185 x 66 (0.168 Cuft)

Contents		1.87	1/10
2335M		4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14	
1025H		H3, H4, H5, H6, H7,H8, H10	
1025T		T10, T15, T20, T25, T27, T30, T40	
1025U		T10H, T15H, T20H, T25H, T27H, T30H, T40H	
1025P		PH1, PH2, PH3	
1025Z		PZ1, PZ2, PZ3	
1025S		3, 4.5, 5, 6.5, 8	
7702-25	276A-04G		



55 PC.

Contents

2571-45 213312DF

2221-02
2221-04
2221-06
2745 2792 2142

2565MRV

Tray category #7 (280 x 187mm) 1/4"

Plastic case size (mm):
289 x 230 x 66 (0.154 cuft)

Contents	2.67	1 / 6
2335M	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14	
2235M	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14	
2375M	E4, E5, E6, E7, E8	
2013X	T8, T9, T10, T15, T20, T25, T27, T30, T40	
2015X	3, 4, 5, 6, 8	
2018X	PZ1, PZ2	
2011X	PH1, PH2	
2012X	3.5, 5.5, 8	
1025T	T6, T7	
1025M	M4, M5, M6, M8, M10	



65 PC.

Contents

2792 2813 276A-04G

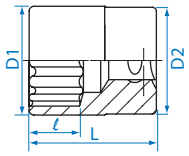
2221-02
2221-04
2221-06



Standard Socket

3330M | 3330S 3/8"

- Metric-DIN 3124, ISO 2725-1
- Inch-ANSI / ASME B107.1



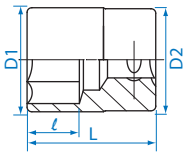


KT NO.	mm	D1 mm	D2 mm	ℓ mm	L mm	g	
333006M	6	9.9	17.8	7.0	27	24	12 / 360
333007M	7	10.8	17.8	7.0	27	24	12 / 360
333008M	8	12.0	17.8	7.0	27	25	12 / 360
333009M	9	13.2	17.8	7.0	27	25	12 / 360
333010M	10	14.5	17.8	9.0	27	26	12 / 360
333011M	11	15.8	17.8	9.0	27	27	12 / 360
333012M	12	16.8	17.8	9.0	27	27	12 / 360
333013M	13	17.8	16.8	9.0	27	30	12 / 360
333014M	14	19.7	18.0	11.0	29	33	10 / 300
333015M	15	20.8	18.0	11.0	29	40	10 / 300
333016M	16	21.8	20.0	11.0	29	39	10 / 300
333017M	17	23.8	20.0	11.0	29	52	10 / 200
333018M	18	24.7	21.0	13.0	29	58	10 / 200
333019M	19	25.8	21.0	13.0	29	62	10 / 200
333020M	20	27.1	25.0	13.0	32	73	10 / 160
333021M	21	27.8	25.0	13.0	32	82	10 / 160
333022M	22	29.7	26.0	15.0	32	87	10 / 160
333023M	23	29.7	26.0	15.0	32	80	10 / 160
333024M	24	31.8	26.0	17.0	32	78	8 / 160

KT NO.	inch	D1 mm	D2 mm	ℓ mm	L mm	g	
333008S	1/4	10.0	17.8	7.0	27	25	12 / 360
333010S	5/16	12.0	17.8	7.0	27	22	12 / 360
333011S	11/32	13.2	17.8	7.0	27	25	12 / 360
333012S	3/8	14.0	17.8	9.0	27	26	12 / 360
333014S	7/16	15.8	17.8	9.0	27	27	12 / 360
333015S	15/32	16.8	17.8	9.0	27	25	12 / 360
333016S	1/2	17.8	16.8	9.0	27	30	12 / 360
333018S	9/16	19.7	18.0	11.0	29	33	10 / 300
333019S	19/32	20.8	18.0	11.0	29	41	10 / 300
333020S	5/8	21.8	20.0	11.0	29	43	10 / 300
333022S	11/16	23.8	20.0	11.0	29	52	10 / 200
333024S	3/4	25.8	21.0	13.0	29	62	10 / 200
333026S	13/16	27.8	25.0	13.0	32	77	10 / 160
333028S	7/8	29.7	26.0	15.0	32	87	10 / 160
333030S	15/16	31.8	26.0	17.0	34	83.7	8 / 160
333032S	1	33.8	26.0	17.0	34	100	8 / 160

3335M | 3335S 3/8"

- Metric-DIN 3124, ISO 2725-1
  Inch-ANSI / ASME B107.1





KT NO.	mm	D1 mm	D2 mm	ℓ mm	L mm	g	
333506M	6	9.9	17.8	7.0	27	25	12 / 360
333507M	7	10.8	17.8	7.0	27	24	12 / 360
333508M	8	12.0	17.8	7.0	27	25	12 / 360
333509M	9	13.2	17.8	7.0	27	25	12 / 360
333510M	10	14.5	17.8	9.0	27	27	12 / 360
333511M	11	15.8	17.8	9.0	27	28	12 / 360
333512M	12	16.8	17.8	9.0	27	28	12 / 360
333513M	13	17.8	16.8	9.0	27	31	12 / 360
333514M	14	19.7	18.0	11.0	29	34	10 / 300
333515M	15	20.8	18.0	11.0	29	47	10 / 300
333516M	16	21.8	20.0	11.0	29	45	10 / 300
333517M	17	23.8	20.0	11.0	29	53	10 / 200
333518M	18	24.7	21.0	13.0	29	58	10 / 200
333519M	19	25.8	21.0	13.0	29	64	10 / 200
333520M	20	27.1	25.0	13.0	32	73	10 / 160
333521M	21	27.8	25.0	13.0	32	82	10 / 160
333522M	22	29.7	26.0	15.0	32	87	10 / 160
333523M	23	29.7	26.0	15.0	32	80	10 / 160
333524M	24	31.8	26.0	17.0	32	78	8 / 160

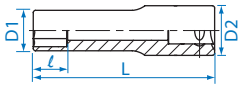
KT NO.	inch	D1 mm	D2 mm	ℓ mm	L mm	g	
333508S	1/4	10.0	17.8	7.0	27	25	12 / 360
333510S	5/16	12.0	17.8	7.0	27	22	12 / 360
333511S	11/32	13.2	17.8	7.0	27	25	12 / 360
333512S	3/8	14.0	17.8	9.0	27	26	12 / 360
333514S	7/16	15.8	17.8	9.0	27	27	12 / 360
333515S	15/32	16.8	17.8	9.0	27	25	12 / 360
333516S	1/2	17.8	16.8	9.0	27	30	12 / 360
333518S	9/16	19.7	18.0	11.0	29	33	10 / 300
333519S	19/32	20.8	18.0	11.0	29	41	10 / 300
333520S	5/8	21.8	20.0	11.0	29	43	10 / 300
333522S	11/16	23.8	20.0	11.0	29	52	10 / 200
333524S	3/4	25.7	21.0	13.0	29	62	10 / 200
333526S	13/16	27.8	25.0	13.0	32	77	10 / 160
333528S	7/8	29.6	26.0	15.0	32	87	10 / 160
333530S	15/16	31.8	26.0	17.0	34	80	8 / 160
333532S	1	33.8	26.0	17.0	34	100	8 / 160

Thin Wall Deep Socket

3215M 3/8"

- Specifically for heat plug, glow plug







Thin walled design (D1)

KT NO.	mm	D1 mm	D2 mm	ℓ mm	L mm	g	
321510M	10	13.0	17.8	12.0	65	65	20 / 240
321512M	12	15.0	17.8	15.0	65	57	20 / 240

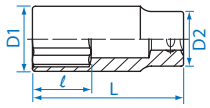
Deep Socket

KT No. & D1

3230M

3230S 3/8"

- Metric-DIN 3124, ISO 2725-1
- Inch-ANSI / ASME B107.1





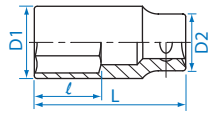
KT NO.	mm	D1 mm)	D2 (mm)	ℓ (mm)	L (mm)	g	pcs / box
323007M	7	10.8	17.8	10.0	63	54	20 / 320
323008M	8	12.0	17.8	12.0	63	54	18 / 288
323009M	9	13.2	17.8	12.0	63	59	18 / 288
323010M	10	14.5	17.8	12.0	63	56	15 / 240
323011M	11	15.8	17.8	15.0	63	63	15 / 240
323012M	12	16.8	17.8	15.0	63	58	15 / 240
323013M	13	17.8	16.8	15.0	63	61	15 / 240
323014M	14	19.7	18.0	16.0	63	71	12 / 192
323015M	15	20.8	18.0	18.0	63	92	10 / 160
323016M	16	21.8	20.0	18.0	63	88	8 / 128
323017M	17	23.8	20.0	18.0	63	97	8 / 128
323018M	18	24.7	21.0	20.0	63	136	6 / 96
323019M	19	25.8	21.0	20.0	63	110	6 / 96
323021M	21	27.8	25.0	20.0	63	127	6 / 96
323022M	22	29.7	26.0	20.0	63	164	6 / 96
323024M	24	31.8	26.0	25.0	63	182	6 / 120

KT NO.	inch	D1 mm	D2 mm	ℓ mm	L mm	g	pcs / box
323008S	1/4	10.0	16.8	10.0	63	50	20 /320
323010S	5/16	12.0	17.8	12.0	63	52	18 / 288
323012S	3/8	14.0	17.8	12.0	63	60	15 / 240
323014S	7/16	15.8	17.8	15.0	63	68	15 / 240
323016S	1/2	17.8	16.8	15.0	63	68	15 / 240
323018S	9/16	19.7	18.0	16.0	63	72	12 / 192
323020S	5/8	21.8	20.0	18.0	63	88	8 / 128
323022S	11/16	23.8	20.0	18.0	63	112	8 / 128
323024S	3/4	25.8	21.0	20.0	63	126	6 / 96
323026S	13/16	27.8	25.0	20.0	63	126	6 / 96
323028S	7/8	29.7	26.0	21.0	63	128	6 / 96
323030S	15/16	31.8	26.0	22.0	63	159	5 / 80
323032S	1	33.8	26.0	22.0	63	277	5 / 80

3235M

3235S 3/8"

- Metric-DIN 3124, ISO 2725-1
- Inch-ANSI / ASME B107.1





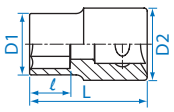
KT NO.	mm	D1 mm	D2 mm	ℓ mm	L mm	g	pcs / box
323506M	6	9.9	17.8	10.0	63	50	20 / 320
323507M	7	10.8	17.8	10.0	63	52	20 / 320
323508M	8	12.0	17.8	12.0	63	52	18 / 288
323509M	9	13.2	17.8	12.0	63	56	18 / 288
323510M	10	14.5	17.8	12.0	63	60	15 / 240
323511M	11	15.8	17.8	15.0	63	68	15 / 240
323512M	12	16.8	17.8	15.0	63	68	15 / 240
323513M	13	17.8	16.8	15.0	63	64	15 / 240
323514M	14	19.7	18.0	16.0	63	72	12 / 192
323515M	15	20.8	18.0	18.0	63	88	10 / 160
323516M	16	21.8	19.0	18.0	63	88	8 / 128
323517M	17	23.8	20.0	18.0	63	112	8 / 128
323518M	18	24.7	21.0	20.0	63	126	6 / 96
323519M	19	25.8	21.0	20.0	63	124	6 / 96
323521M	21	27.8	25.0	20.0	63	126	6 / 96
323522M	22	29.7	26.0	20.0	63	128	6 / 96
323524M	24	31.8	26.0	25.0	63	155	6 / 120

KT NO.	inch	D1 mm	D2 mm	ℓ mm	L mm	g	pcs / box
323508S	1/4	10.0	16.8	10.0	63	50	20 /320
323510S	5/16	12.0	17.8	12.0	63	52	18 / 288
323512S	3/8	14.0	17.8	12.0	63	60	15 / 240
323514S	7/16	15.8	17.8	15.0	63	68	15 / 240
323516S	1/2	17.8	16.8	15.0	63	68	15 / 240
323518S	9/16	19.7	18.0	16.0	63	72	12 / 192
323520S	5/8	21.8	20.0	18.0	63	88	8 / 128
323522S	11/16	23.8	20.0	18.0	63	112	8 / 128
323524S	3/4	25.8	21.0	20.0	63	126	6 / 96
323526S	13/16	27.8	25.0	20.0	63	126	6 / 96
323528S	7/8	29.7	26.0	21	63	128	6 / 96
323530S	15/16	31.8	26.0	22	63	159	5 / 80
323532S	1	33.8	26.0	22	63	277	5 / 80

Star Socket

3375M 3/8"

- DIN 3120

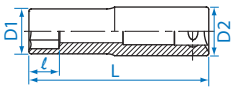




KT NO.	Size	D1 mm	D2 mm	ℓ mm	L mm	g	pcs / box
337504M	E4	6.0	16.8	3.6	28	18	12 / 360
337505M	E5	7.0	16.8	4.0	28	19	12 / 360
337506M	E6	8.0	16.8	5.0	28	20	12 / 360
337507M	E7	8.9	16.8	6.0	28	21	12 / 360
337508M	E8	10.0	16.8	6.5	28	21	12 / 360
337510M	E10	12.0	16.8	7.0	28	22	12 / 360
337511M	E11	12.8	16.8	8.0	28	23	12 / 360
337512M	E12	14.3	16.8	9.0	28	25	12 / 360
337514M	E14	15.9	17.8	9.5	28	29	12 / 360
337516M	E16	18.0	19.8	10.5	28	39	10 / 300
337518M	E18	20.0	21.8	11.0	28	50	10 / 300

3275M 3/8"

- DIN 3120





KT NO.	Size	D1 mm	D2 mm	ℓ mm	L mm	g	pcs / box
327504M	E4	6.0	16.8	3.6	63	46	12 / 240
327505M	E5	7.0	16.8	4.0	63	48	12 / 240
327506M	E6	8.0	16.8	5.0	63	49	12 / 240
327507M	E7	8.9	16.8	6.0	63	51	12 / 240
327508M	E8	10.0	16.8	6.5	63	53	12 / 240
327510M	E10	12.0	16.8	7.0	63	57	12 / 240
327511M	E11	12.8	16.8	8.0	63	59	12 / 240
327512M	E12	14.3	16.8	9.0	63	62	12 / 240
327514M	E14	15.9	16.8	9.5	63	68	12 / 240
327516M	E16	17.8	17.8	10.5	63	85	12 / 240
327518M	E18	19.8	19.8	11.0	63	90	10 / 160

KING TONY Spark Plug Sockets								
Square drive	Type	Size / KT NO. inch	mm	Rubber I	Magnet	Rubber II	Metal clip	Spring
3/8"	6PT		14			36B014	367014	
			14			36B514	367514	
		5/8"	16	363516	366516		367516	
			18				367518	
		13/16"	20.8	363521	366521		367521	
	12PT		14			36C014		36A014
			14			36D014		
		5/8"	16	363016	366016		367016	
			18			36B018	367018	36A018
		13/16"	20.8	363021	366021		367021	
1/2"	6PT		14			463514RC	467514C	
		5/8"	16	463516R	466516		467516	
		13/16"	20.8	463521R	466521		467521	
	12PT		14			463014RC	467014C	
		5/8"	16	463016R	466016		467016	
		13/16"	20.8	463021R	466021		467021	

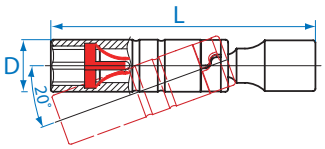
Metal Clip Universal Joint Spark Plug Socket

3650 — 3/8"

- Inside sleeve - Metal clip for a firm hold and assembly of the spark plugs
- Universal joint- for working in restricted access and obstructive areas
- 12-point socket enables application on 14mm spark plugs of 6-point and 12-point
- Application: For 14 mm spark plugs e.g. BMW and MERCEDES-BENZ
- DIN 3120



KT NO.	inch	mm	D mm	L mm		
365014A	-	14.0	18.5	94	112.4	6 / 120
365014B	-	14.0	18.5	155	168.0	6 / 120
365016A	5/8	16.0	21.0	101	129.6	6 / 180
365016B	5/8	16.0	21.0	162	185.0	6 / 120



36A0

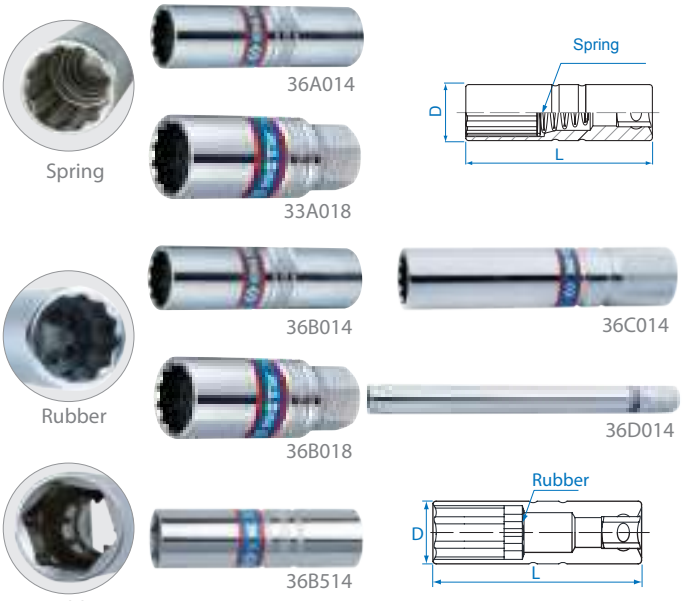
36B5

36B0

36C0

36D0 — 3/8"

- Inside sleeve - rubber and spring
- DIN 3120
- 36C014 & 36D014 are suitable for BMW, Mini, RENAULT Clio / Twingo / Kangoo type, PEUGEOT 206 1.4 16V, CITROEN C5 HPI



KT NO.	Type	Size mm	D mm	L mm		
36A014	12 points	14.0	18.5	63	65	12 / 192
36A018	12 points	18.0	23.8	63	98	8 / 128
36B514	6 points	14.0	18.5	63	80	12 / 192
36B014	12 points	14.0	18.5	63	80	12 / 192
36B018	12 points	18.0	24.7	65	106	8 / 128
36C014	12 points	14.0	18.5	90	112	12 / 144
36D014	12 points	14.0	18.5	250	291	6 / 54

Spark Plug Socket

KT No. & D1

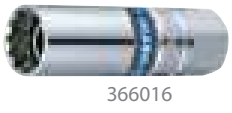
3630 ○ | 3660 ○ | 3635 ○ | 3665 ○
3670 ○ | 3675 ○ 3/8"

- 6 / 12 points
- Size combined- 16.0mm (5/8") - 20.8mm (13/16")
- Inside sleeve - rubber / magnet
- DIN 3120



KT NO.	Type	Size inch	Size mm	D mm	L mm	g	pcs/box
363016	12 points Rubber	5/8	16.0	21	70	100	10 / 200
366016	12 points Magnet	5/8	16.0	21	70	105	10 / 200
363021	12 points Rubber	13/16	20.8	27.7	70	150	12 / 120
366021	12 points Magnet	13/16	20.8	27.7	70	155	12 / 120
363516	6 points Rubber	5/8	16.0	21	70	100	10 / 200
366516	6 points Magnet	5/8	16.0	21	70	105	10 / 200
363521	6 points Rubber	13/16	20.8	27.7	70	145	12 / 120
366521	6 points Magnet	13/16	20.8	27.7	70	150	12 / 120
367014	12 points Metal clip	-	14.0	18.5	63	65	10 / 200
367016	12 points Metal clip	5/8	16.0	21.0	70	100	10 / 200
367018	12 points Metal clip	-	18.0	23.8	63	97	12 / 120
367021	12 points Metal clip	13/16	20.8	27.7	70	178	12 / 120
367514	6 points Metal clip	-	14.0	18.5	63	69	10 / 200
367516	6 points Metal clip	5/8	16.0	21.0	70	100	10 / 200
367518	6 points Metal clip	-	18.0	23.8	63	97	12 / 120
367521	6 points Metal clip	13/16	20.8	27.7	70	180	12 / 120


363016


366016


363021

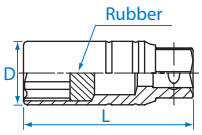

366021

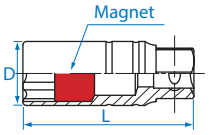

363516


366516


363521


366521



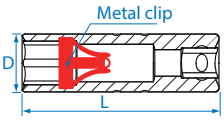





367514



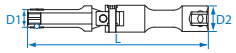

367014



Glow Plug Socket & Set

3785M ○ 3/8"

- The socket has a Sprung-loaded clip with ball bearing end to stop the glow plug from falling out
- Suitable for the removal of glow plugs in most diesel engines





KT NO.	mm	D1 mm	D2 mm	L mm	g	pcs/box
378508M	8	13.5	17.8	120	120	10 / 100
378509M	9	13.5	17.8	127	120	10 / 100
378510M	10	13.5	17.8	128	120	10 / 100
378512M	12	17.8	17.8	136	120	10 / 100
378514M	14	17.8	17.8	142	120	10 / 100
378516M	16	19.8	17.8	157	120	10 / 100

3716MR ○ 3/8"

Blow case size (mm):
260 x 160 x 64 (0.094 cuft)

6 PC.



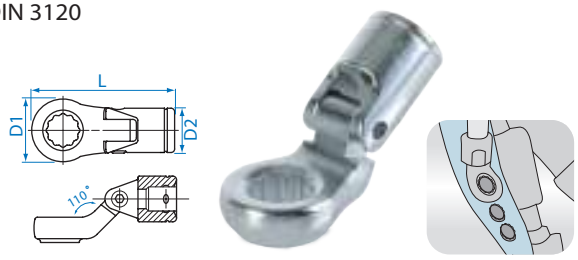


Contents	kg	pcs/box
○ 3785M 8, 9, 10, 12, 14, 16	1.23	1 / 10

Flexible Ring Socket Wrench & Set

3350M — 3/8"

- Flexible head folds up to 200°
- Combined with F-handle, handle, T-handle speed-handle
- Suitable for all hydraulic, fuel, oil brake, A/C, auto tool and air line work
- DIN 3120



KT NO.	mm	D1 mm	D2 mm	L mm	g	
335008M	8	15.0	18.8	45.0	44	12 / 360
335009M	9	18.0	18.8	49.0	49	12 / 360
335010M	10	18.0	18.8	49.0	48	12 / 360
335011M	11	22.0	18.8	53.0	58	12 / 360
335012M	12	22.0	18.8	53.0	58	12 / 360
335013M	13	26.0	18.8	60.0	83	12 / 240
335014M	14	26.0	18.8	60.0	80	12 / 240
335015M	15	27.0	18.8	60.0	77	12 / 240
335016M	16	32.0	24.7	73.5	160	6 / 96
335017M	17	33.0	24.7	73.5	159	6 / 96
335018M	18	33.0	24.7	73.5	155	6 / 96
335019M	19	32.0	24.7	73.5	154	6 / 96

3609MR10 new — 3/8"

- Socket rail 290mmL



9 PC.

Contents — 0.99 kg — 20

3350M	8, 10, 12, 13, 14, 16, 17, 18, 19	
8731109		

3602MR — 3/8"

Metal case size (mm):
296 x 130 x 41 (0.056 cuft)



12 PC.

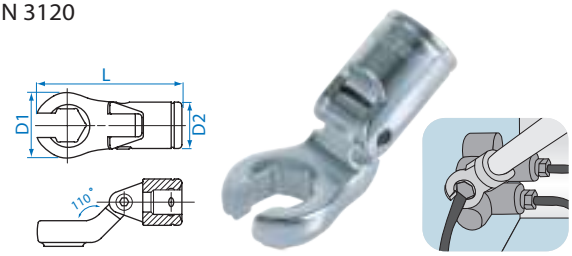
Contents — 1.89 kg — 1 / 10

3350M	8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19	

Flexible Crowfoot Socket Wrench & Set

3351M — 3/8"

- Flexible head folds up to 200°
- Combined with F-handle, handle, T-handle speed-handle
- Suitable for all hydraulic, fuel, oil brake, A/C, auto tool and air line work
- DIN 3120



KT NO.	mm	D1 mm	D2 mm	L mm	g	
335108M	8	15.0	18.8	45.0	44	12 / 360
335109M	9	18.0	18.8	49.0	47	12 / 360
335110M	10	18.0	18.8	49.0	47	12 / 360
335111M	11	22.0	18.8	53.0	56	12 / 360
335112M	12	22.0	18.8	53.0	55	12 / 360
335113M	13	26.0	18.8	60.0	77	12 / 240
335114M	14	26.0	18.8	60.0	75	12 / 240
335115M	15	27.0	18.8	60.0	75	12 / 240
335116M	16	32.0	24.7	73.5	152	6 / 96
335117M	17	33.0	24.7	73.5	149	6 / 96
335118M	18	33.0	24.7	73.5	155	6 / 96
335119M	19	33.3	24.7	73.5	152	6 / 96

3619MR10 new — 3/8"

- Socket rail 290mmL



9 PC.

Contents — 0.89 kg — 20

3351M	8, 10, 12, 13, 14, 16, 17, 18, 19	
8731109		

3612MR — 3/8"

Metal case size (mm):
296 x 130 x 41 (0.056 cuft)



12 PC.

Contents — 1.89 kg — 1 / 10

3351M	8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19	

Universal Socket & Set

KT No. & D1

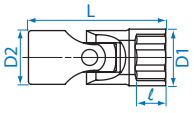
3750M

- Chrome vanadium alloy steel
- DIN 3120

KT NO.	mm	D1 mm	D2 mm	ℓ mm	L mm	g	
375010M	10	14.5	18.8	9.0	48.0	59	15 / 240
375011M	11	15.8	18.8	10.0	48.0	57	15 / 240
375012M	12	17.0	18.8	10.0	48.0	56	15 / 240
375013M	13	18.3	18.8	11.0	48.0	56	15 / 240
375014M	14	19.8	18.8	11.0	49.5	58	12 / 192
375015M	15	21.6	18.8	13.0	49.5	64	10 / 160
375016M	16	21.8	18.8	13.0	51.0	63	10 / 160
375017M	17	23.7	18.8	14.0	52.5	67	8 / 128
375018M	18	25.3	18.8	14.0	53.4	64	6 / 96
375019M	19	25.7	18.8	16.0	55.8	73	6 / 96

3750S 3/8"

- Chrome vanadium alloy steel





KT NO.	inch	D1 mm	D2 mm	ℓ mm	L mm	g	
375012S	3/8	14.1	18.8	8.5	45.9	57	15 / 240
375014S	7/16	15.9	18.8	10.0	48.9	57	15 / 240
375016S	1/2	18.2	18.8	11.0	47.6	57	15 / 240
375018S	9/16	19.8	18.8	12.5	49.5	58	12 / 192
375020S	5/8	21.5	18.8	13.5	50.5	63	10 / 160
375022S	11/16	23.7	18.8	14.0	52.8	67	8 / 128
375024S	3/4	25.4	18.8	16.5	54.8	73	6 / 96

3709MR10 new 3/8"

- Socket rail 240mmL



9 PC.

Contents			0.48	14
○	3750M	10, 11, 12, 13, 14, 16, 17, 18, 19		
	8730909			

3707SR10 new 3/8"

- Socket rail 240mmL



7 PC.

Contents			0.48	14
○	3750S	3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4		
	8730907			



Bit Socket

CAUTION In order to get normal life of bit socket, always use within limited torque to bit.

3021 — 3/8"

- Phillips head
- DIN ISO 8764-1



KT NO.	No.	Overall length mm		
302102	PH2	50	35	20 / 400
302103	PH3	50	36	20 / 400
302104	PH4	50	37	20 / 400

3022 — 3/8"

- Slotted head
- DIN ISO 8764-1



KT NO.	Tip width mm	Tip thickness mm	Overall length mm		
302205	5	1.0	50	36	20 / 400
302208	8	1.2	50	37	20 / 400
302210	10	1.6	50	38	20 / 400

3025 — 3/8"

- Hexagon head
- DIN 7422 / 3120



KT NO.	mm	Overall length mm		
302503	H3	50	28	20 / 400
302504	H4	50	30	20 / 400
302505	H5	50	34	20 / 400
302506	H6	50	38	20 / 400
302507	H7	50	38	20 / 400
302508	H8	50	40	20 / 400
302509	H9	50	40	20 / 400
302510	H10	50	40	20 / 400
302512	H12	50	42	20 / 400

3023 — 3/8"

- For torx internal screw
- DIN 3120



KT NO.	mm	Overall length mm		
302308	T8	50	28	20 / 400
302309	T9	50	28	20 / 400
302310	T10	50	28	20 / 400
302315	T15	50	28	20 / 400
302320	T20	50	30	20 / 400
302325	T25	50	34	20 / 400
302327	T27	50	38	20 / 400
302330	T30	50	38	20 / 400
302340	T40	50	40	20 / 400
302345	T45	50	40	20 / 400
302350	T50	50	42	20 / 400

3027 — 3/8"

- For tamper resistant torx screw
- DIN 3120



KT NO.	mm	Overall length mm		
302708	T8H	50	28	20 / 400
302709	T9H	50	28	20 / 400
302710	T10H	50	28	20 / 400
302715	T15H	50	28	20 / 400
302720	T20H	50	30	20 / 400
302725	T25H	50	34	20 / 400
302727	T27H	50	38	20 / 400
302730	T30H	50	38	20 / 400
302740	T40H	50	40	20 / 400
302745	T45H	50	40	20 / 400
302750	T50H	50	42	20 / 400

3039 — 3/8"

- Ribe bit socket
- Use for VW, Audi, Fiat cylinder head bolt
- DIN 3120



KT NO.	size	Overall length mm		
303904	M4	90	68	8 / 160
303905	M5	90	69	8 / 160
303906	M6	90	71	8 / 160
303907	M7	90	72	8 / 160
303908	M8	90	88	8 / 160
303909	M9	90	89	8 / 160
303910	M10	90	90	8 / 160

302D — 3/8"

- For torx plus tamper screw
- IPR20 for the operation of the screwed connection of the plug-in pump on MERCEDES-BENZ Atego and Actros MAZDA 3 1.4 and 1.6
- IPR25 for the screwed connections at the control unit and the air flow sensor on VW
- DIN 3120



KT NO.	mm	Overall length mm		
302D08	IPR8	50	33	20 / 400
302D09	IPR9	50	33	20 / 400
302D10	IPR10	50	34	20 / 400
302D15	IPR15	50	34	20 / 400
302D20	IPR20	50	34	20 / 400
302D25	IPR25	50	34	20 / 400
302D27	IPR27	50	34	20 / 400
302D30	IPR30	50	34	20 / 400
302D40	IPR40	50	38	20 / 400
302D45	IPR45	50	38	20 / 400
302D50	IPR50	50	40	20 / 400
302D55	IPR55	50	47	20 / 400
302D60	IPR60	50	51	15 / 300

Ratchet

KT No. & D1

3725

FINE GEAR 3/8"

- Reversible ratchet
- 8° gear action degree (45 teeth)
- DIN 3122

KT NO.	Overall length inch	mm	g	pcs / box
3725-08F	8	203	333	2 / 40
3725-08G	8	207	387	2 / 32
3725DK	renewal kits		-	-



3725DK



3725-08F



3725-08G

3755

FINE GEAR 3/8"

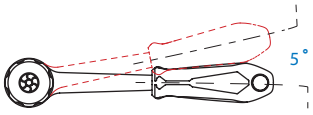
- Reversible ratchet
- 5° gear action degree (72 teeth)
- DIN 3122

KT NO.	Overall length inch	mm	g	pcs / box
3755-08G	8	200	201	2 / 40
3755DK	renewal kits		-	-



3755DK





3756

QUICK RELEASE FINE GEAR 3/8"

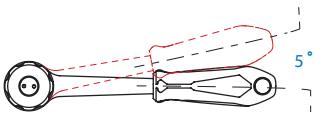
- Quick release reversible ratchet
- 5° gear action degree (72 teeth)
- DIN 3122

KT NO.	Overall length inch	mm	g	pcs / box
3756-08G	8	200	387	2 / 40
3756DK	renewal kits		-	-



3756DK





3752

QUICK RELEASE FINE GEAR 3/8"

- Quick release flexible and reversible ratchet
- 5° gear action degree (72 teeth)
- Multi-angle design for difficult-to-reach fasteners



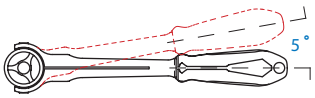


KT NO.	Overall length inch	mm	g	pcs / box
3752-09G	9	235	378	2 / 32
3752DK	renewal kits		-	-



3752DK





3760

MINI RATCHET FINE GEAR 3/8"

- Mini reversible ratchet
- 5° gear action degree (72 teeth)
- Two teeth pawl action
- DIN 3122

KT NO.	Overall length inch	mm	g	pcs / box
3760-45	4-3/8	110	120	6 / 108
3760DK01	renewal kits		-	-



3760DK01



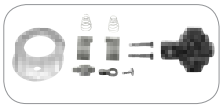
Ratchet

3761

QUICK RELEASE 3/8"

- Quick release reversible ratchet
- 11° gear action degree (32 teeth)
- Two teeth pawl action
- DIN 3122

KT NO.	Overall length inch	mm	g	
3761-08F	8	200	358	2 / 40
3761-08P	8	200	333	2 / 40
3761DK	renewal kits		-	-



3761DK



3761-08F



3761-08P

3769

3/8"

- Reversible ratchet
- 11° gear action degree (32 teeth)
- Two teeth pawl action
- DIN 3122

KT NO.	Overall length inch	mm	g	
3769-08F	8	200	358	2 / 40
3769-08P	8	200	358	2 / 40
3769DK	renewal kits		-	-



3769DK



3769-08F



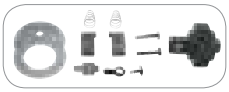
3769-08P

3771

QUICK RELEASE 3/8"

- Quick release reversible ratchet
- 11° gear action degree (32 teeth)
- Two teeth pawl action
- DIN 3122

KT NO.	Overall length inch	mm	g	
3771-08F	8	200	370	2 / 40
3771-08G	8	200	272	2 / 40
3771DK	renewal kits		-	-



3771DK



3771-08F



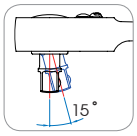
3771-08G

3774

3/8"

- Universal joint reversible ratchet
- 11° gear action degree (32 teeth)
- Two teeth pawl action
- DIN 3122
- 15° rotation





KT NO.	Overall length inch	mm	g	
3774-08G	8	200	299	2 / 40
3774DK	renewal kits		-	-



3774DK



3779

3/8"

- Reversible ratchet
- 11° gear action degree (32 teeth)
- Two teeth pawl action
- DIN 3122

KT NO.	Overall length inch	mm	g	
3779-08F	8	200	355	2 / 40
3779-08G	8	200	280	2 / 40
3779DK	renewal kits		-	-



3779DK



3779-08F



3779-08G

Ratchet

KT No. & D1

3781

QUICK RELEASE 3/8"

- Quick release flexible and reversible ratchet
- 11° gear action degree (32 teeth)
- Two teeth pawl action
- DIN 3122

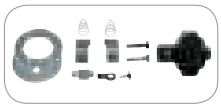
KT NO.	Overall length inch	Overall length mm	g	pcs / box
3781-11F	11	280	467	2 / 40
3781-11P	11	280	432	2 / 40
3781DK	renewal kits		-	-



3781-11F



3781-11P



3781DK

- Material - chrome vanadium alloy steel
- Finishing - polished, chrome plated & black phosphate sunk

Accessory

3221

3/8"

- Extension bar
- DIN 3123



KT NO.	Overall length inch	Overall length mm	g	pcs / box
3221-16	1-3/4	44	39	12 / 360
3221-03	3	75	75	12 / 240
3221-06	6	150	146	6 / 120
3221-10	10	250	240	6 / 96
3221-18	18	450	428	1 / 50
3221-24	24	600	570	1 / 50

3223

3/8"

- Offset extension bar
- Max. torque : 150 Nm
- DIN 3123

CAUTION

The offset extension bar has less strength than normal extension bar. Do not use as a normal extension bar.

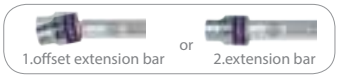


KT NO.	Overall length inch	Overall length mm	g	pcs / box
3223-14	1-1/2	38	41	14 / 224
3223-02	2	50	51	12 / 360
3223-03	3	75	75	12 / 240
3223-06	6	150	146	6 / 120
3223-10	10	250	240	6 / 96

3293

3/8"

- Multi-function of extension bar and offset extension bar
- Max. torque : 150 Nm



1.offset extension bar or 2.extension bar



KT NO.	Overall length inch	Overall length mm	g	pcs / box
3293-03	3	75	80	12 / 240
3293-06	6	150	140	6 / 120
3293-10	10	250	240	6 / 96

3311

3/8"

- Flexible extension bar
- DIN 3120



KT NO.	Overall length inch	Overall length mm	g	pcs / box
3311-06	6	150	148	5 / 100
3311-12	12	300	172	12 / 108

3452

3/8"

- Flexible handle
- Action degree -180°
- DIN 3122



3452DK



KT NO.	Overall length inch	Overall length mm	g	pcs / box
3452-08F	8	205	259	4 / 80
3452-10F	10	250	319	4 / 64
3452DK	renewal kits		-	-

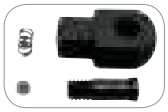
3453

new

3/8"

- Flexible handle
- Action degree -180°
- New pattern design added in firm and powerful elements
- New forge technologies I-Beam shank offers 15% lightweight
- DIN 3122





3453DK

KT NO.	Overall length inch	Overall length mm	g	pcs / box
3453-08F	8	200	221	4 / 80
3453DK	renewal kits			

3571

3/8"

- Sliding T-handle
- DIN 3122



KT NO.	Overall length inch	Overall length mm	g	pcs / box
3571-08	8	200	182	4 / 80

Accessory

KT No. & D1

3792 3/8"

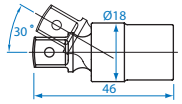
- Universal joint
- DIN 3123



KT NO.	Overall length inch	Overall length mm	g	pc / box
3792	2	50	67	15 / 300

3794 3/8"

- Universal joint
- 30° rotation
- Short pattern design enables greater access in confined spaces





KT NO.	Overall length inch	Overall length mm	g	pc / box
3794	1-4/5	46	45	15 / 300

3812 3814 3/8"

- Adapter
- Convert to 1/4" drive or 1/2" drive
- 3812→Max. torque : 62 Nm
- DIN 3123, ISO 3316



3812 / 3814

KT NO.	Spec.	g	pc / box
3812	3/8"Fx1/4"M	31	12 / 192
3814	3/8"Fx1/2"M	47	12 / 360

3148 3/8"

- Bit holder
- DIN 3120 / 3126



KT NO.	Size	Overall length mm	g	pc / box
314808S	1/4"	30	33	12 / 360
314810S	5/16"	30	35	12 / 360
314810M	10 mm	30	35	12 / 360

Socket Rail Set

3013MR 3013SR

3513MR 3/8"

- Socket rail 290mmL



13 PC.

KT NO.	Contents		kg 0.52	pc 35
3013MR	3330M	7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19		
3013SR	3330S	1/4, 5/16, 11/32, 3/8, 7/16, 15/32, 1/2, 9/16, 19/32, 5/8, 11/16, 3/4, 13/16		8731213
3513MR	3335M	7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19		

3508MR10 3/8"

- Socket rail 210mmL



8 PC.

Contents		kg 0.65	pc 24
3235M	10, 11, 12, 13, 14, 16, 17, 19		
8730808			

3106PR 3/8"

- Socket rail 150mmL



6 PC.

Contents		kg 0.28	pc 40
3375M	E8, E10, E12, E14, E16, E18		
8730606			

3116PR 3/8"

- Socket rail 150mmL



6 PC.

Contents		kg 0.39	pc 50
3275M	E4, E5, E8, E10, E12, E14		
8730606			

3129PR 3/8"

- Socket rail 210mmL



9 PC.

Contents		kg 0.27	pc 40
3375M	E4, E5, E6, E7, E8, E10, E12, E14, E16		
8730809			

Socket Rail Set

Packing



3109PR8 / 3119PR8 / 3149PR8 / 3131PR8

3121PR 3/8"

- Socket rail 290mmL

11 PC.



Contents 0.32 kg 35

3375M	E4, E5, E6, E7, E8, E10, E11, E12, E14, E16, E18
8731213	

3108PR8 3/8"

- Socket rail 210mmL
- For hex head screw
- H : 50mm

8 PC.



Contents 0.34 kg 50

3025	H3, H4, H5, H6, H7, H8 H10, H12
8730808	

3109PR8 3/8"

- Socket rail 210mmL
- For torx head screw
- H : 50mm

9 PC.



Contents 0.36 kg 50

3023	T10, T15, T20, T25, T27, T30, T40, T45, T50
8730809	

3119PR8 3/8"

- Socket rail 210mmL
- For tamper resistant torx head screw
- H : 50mm

9 PC.



Contents 0.36 kg 50

3027	T10H, T15H, T20H, T25H, T27H, T30H, T40H, T45H, T50H
8730809	

3131PR8 3/8"

- Socket rail 210mmL
- For tamper resistant torx head screw
- H : 50mm

11 PC.



Contents 0.4 kg 48

3027	T8H, T9H, T10H, T15H,T20H, T25H, T27H, T30H, T40H, T45H, T50H
8730811	

3146PR 3/8"

- Socket rail 150mmL
- For torx plus tamper resistant head screw
- H : 50mm

6 PC.



Contents 0.36 kg 50

302D	IPR10, IPR15, IPR20, IPR25, IPR27, IPR30
8730606	

3149PR8 3/8"

- Socket rail 210mmL
- For torx plus tamper resistant head screw
- H : 50mm

9 PC.



Contents 0.36 kg 50

302D	IPR10, IPR15, IPR20, IPR25, IPR27, IPR30, IPR40, IPR45, IPR50
8730809	

3105PR 3/8"

- 3/8" + 1/2" drive ribe bit socket set
- Socket rail 150mmL
- For ribe head screw
- H : 100mm

5 PC.



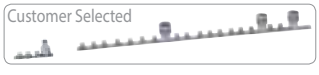
Contents 0.75 kg 30

3039	M7, M8
4049	M10, M12, M13
8740606	

Socket Rail

873 3/8"

- Rail length from 160 mm to 560 mm





KT NO.	L (mm)
870406	160
870311	280
870422	560
8730	-

873D1 new 3/8"

- Socket rail carrier with retaining clip
- 26" roller cabinet





KT NO.	Square drive	Clip	L (mm)
8730811D1	3/8"	11	508

Extension Bar Set

3113PR 3/8"



3 PC.

Contents 0.5 kg 35

	3221	3", 6", 10"

3103PR 3/8"



3 PC.

Contents 0.4 kg 35

	3223	3", 6", 10"

Socket Set

3213MR 3/8"

Contents 0.81 kg 20

○	3330M	8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 19
	3755-08G	3221-06



13 PC.

3508MR 3/8"

Metal case size (mm):
203 x 79 x 41 (0.023 cuft)



8 PC.

Contents 1.0 kg 20

○	3235M	10, 11, 12, 13, 14, 16, 17, 19

3508SR 3/8"

Metal case size (mm):
203 x 79 x 41 (0.023 cuft)



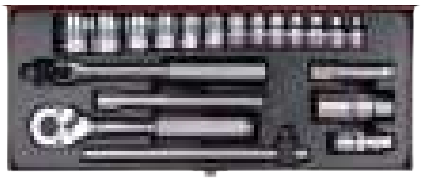
8 PC.

Contents 1.0 kg 20

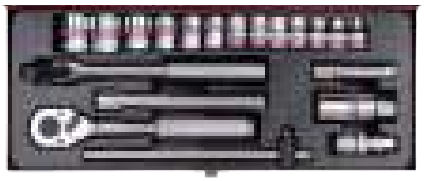
○	3235S	3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16

3020MR
3020SR
3020MR02
3020SR02
3520MR
3520MR02 3/8"

Metal case size (mm) :
372 x 153 x 40 (0.08 cuft)



3020MR / 3520MR



3020SR

20 PC.

KT NO.	Contents					
3020MR	○ 3330M	6, 7, 8, 9, 10, 11, 12, 13, 14, 17, 19, 21, 22	○ 363021	3769-08F	3221-03 3221-06	2.5	1 / 6
3020MR02				3779-08F		2.8
3020SR	○ 3330S	1/4, 5/16, 11/32, 3/8, 7/16, 15/32, 1/2, 9/16, 19/32, 11/16, 3/4, 13/16, 7/8		3769-08F	3452-08F	2.5
3020SR02				3779-08F	3571-08	2.8
3520MR	○ 3335M	6, 7, 8, 9, 10, 11, 12, 13, 14, 17, 19, 21, 23	○ 363521	3769-08F	3792	2.5
3520MR02				3779-08F		2.8

Socket Set

3023MR

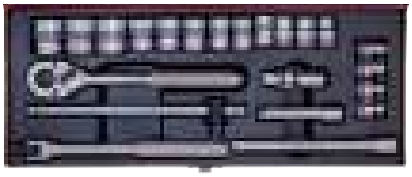
Metal case size (mm) :
372 x 153 x 40 (0.08 cuft)

2.8 | 1 / 6

KT NO.	Contents		
3023MR	○ 3330M	6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 19, 20, 21, 22	3769-08F
3523MR	○ 3335M		

3452-08F, 3571-08, 3221-03, 3221-06, 3792

3523MR 3/8"



22 PC.

3024MR

Metal case size (mm) :
318 x 147 x 46 (0.076 cuft)

2.2 | 1 / 10

KT NO.	Contents		
3024MR	○ 3330M	6, 7, 8, 9, 10, 11, 13, 14, 17, 19	⊕ 3021 PH2,PH3
3524MR	○ 3335M		⊖ 3022 5,8
3024SR	○ 3330S	1/4, 5/16, 11/32, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4	⬢ 3025 H3, H4, H5, H6, H7, H8, H10

3779-08G, 3221-06, 3792

3024SR

3524MR 3/8"



3024MR/3524MR



3024SR

24 PC.

3027MR

Metal case size (mm) :
318 x 147 x 46 (0.076 cuft)

2.6 | 1 / 10

KT NO.	Contents		
3027MR	○ 3330M	7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19	○ 3235M 8, 10, 11, 12, 13, 14, 16, 17, 19
3527MR	○ 3335M		
3027SR	○ 3330S	1/4, 5/16, 11/32, 3/8, 7/16,15/32, 1/2, 9/16, 19/32, 5/8, 11/16, 3/4, 13/16	
	○ 3235S	5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16	

3779-08G, 3221-03, 3812, 3792

3027SR

3527MR 3/8"



3027MR/3527MR



3027SR

26 PC.

3034MR

Metal case size (mm) :
372 x 153 x 40 (0.08 cuft)

3.1 | 1 / 6

KT NO.	Contents		
3034MR	○ 3330M	6, 7, 8, 9, 10, 11, 13, 14, 17, 19	✪ 3375M E4, E5, E6, E7, E8, E10, E12, E14, E16, E18
3534MR	○ 3335M		✱ 3023 T8, T9, T10, T15, T20, T25, T27, T30, T40, T45

3779-08G, 3452-10F, 3571-08, 3221-03, 3221-06, 3792

3534MR 3/8"



36 PC.

Socket Set

3036CR 3/8"

Metal case size (mm) :
372 x 153 x 40 (0.08 cuft)

Contents			3.27 kg / 1 / 6
3330M	6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 19, 20, 21, 22		
3330S	1/4, 5/16, 11/32, 3/8, 7/16, 15/32, 1/2, 9/16, 19/32, 5/8, 11/16, 3/4, 13/16, 7/8		
3769-08F	3452-08F	3571-08	3221-03 3221-06
3792			

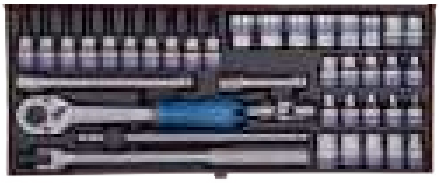


36 PC.

3537MR 3/8"

Metal case size (mm) :
372 x 153 x 40 (0.08 cuft)

Contents			3.17 kg / 1 / 6
3023	T8, T9, T10, T15, T20, T25, T27, T30, T40, T45		
3335M	6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 17, 18, 19		
3375M	E4, E5, E6, E7, E8, E10, E12, E14, E16, E18		
3779-08G	3452-10F	3571-08	3221-03 3221-06
3792			



39 PC.

3523MRV10 Tray category #10 (375 x 140mm) 3/8"

Plastic case size (mm) :
389 x 185 x 66 (0.168 Cuft)

Contents			2.43 kg / 1 / 10
3335M	6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 19, 21, 22, 23, 24		
3771-08G	3792		
3571-08	3452-08F		
3293-03 3293-06			



23 PC.

3023MRV11 new

3523MRV11 new Tray category #10 (375 x 140mm) 3/8"

Plastic case size (mm) :
389 x 185 x 66 (0.168 Cuft)



3023MRV11



3523MRV11

23 PC.

KT NO.	Contents		2.40 kg / 1 / 10
3023MRV11	3330M	6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18,19, 21, 22, 24	3771-08G, 3453-08F, 3571-08, 3293-03 3293-06, 3792
3523MRV11	3335M	6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24	

Socket Set

3032SRV new

Tray category #8 (375 x 187mm) 3/8"

Plastic case size (mm) :
389 x 230 x 66 (0.168 Cuft)

Contents			3.28 kg	1 / 6
○	3230S	5/16, 3/8, 7/16, 15/32, 1/2, 9/16, 19/32, 5/8, 11/16, 3/4, 13/16, 7/8		
○	3330S	1/4, 5/16, 11/32, 3/8, 7/16, 15/32, 1/2, 9/16, 19/32, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16		
	3771-08G		3453-08F	
	3293-03 3293-06		3792	



32 PC.

3033MRV new

3533MRV new

Tray category #8 (375 x 187mm) 3/8"

Plastic case size (mm) :
389 x 230 x 66 (0.168 Cuft)



3033MRV



3533MRV

33 PC.

KT NO.	Contents			3.40 kg	1 / 6
3033MRV	○	3330M	7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24	3771-08G	3792
	○	3230M	8, 10, 11, 12, 13, 14, 15, 16, 17, 19, 21, 22	3453-08F	3293-03 3293-06
3533MRV	○	3335M	7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24		
	○	3235M	8, 10, 11, 12, 13, 14, 15, 16, 17, 19, 21, 22		

3545MRV new

Tray category #8 (375 x 187mm) 3/8"

Plastic case size (mm) :
389 x 230 x 66 (0.168 Cuft)

Contents			2.47 kg	1 / 6
○	3335M	6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24		
✪	3375M	E4, E5, E6, E7, E8, E10, E11, E12, E14, E16, E18		
✪	3023	T8, T9, T10, T15, T20, T25, T27, T30, T40, T45, T50		
	3771-08G		3453-08F	
	3571-08		3792	3293-03 3293-06



45 PC.

Socket Set

3054MR — 3/8"

Blow case size (mm) :
340 x 263 x 80 (0.25cuft)

Contents		3.85 kg	1 / 3
3330M		6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 17, 18, 19, 21, 22	
3235M		8, 10, 12, 13, 14	
1025T		T10, T15, T20, T25, T30, T40, T45 T50	
3670		16, 21	
1145MR		H1.5, H2, H2.5, H3, H4, H5, H6, H8, H10	
14A1		PH2 x 100	
14A2		5.5 x 100	
1060		8, 10, 12, 13, 14, 17, 19	
3771-08G	3792	3221-03 3221-06	
314808S	6111-06		



54 PC.

3568MR — 3/8"

Metal shelf size (mm) :
415 x 336 x 320 (1.58 cuft)



268 PC.

Contents		Each Q'ty
3335M	8, 9, 10, 11, 12, 13	10
	14, 15, 16, 17, 18, 19	8
	21, 22, 23, 24	6
3235M	7, 8, 9, 10, 11, 12, 13	10
	14, 15, 16, 17, 18, 19	8
	21, 22, 24	6

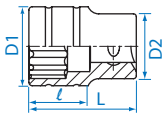
KT NO.	Spec.	kg	Cuft
3568MR-A	87102	6.85	0.67
3568MR-D	268 PC. socket content	16.93	0.38



Standard Socket

KT No. & D1

4330MR 4330SR 1/2"

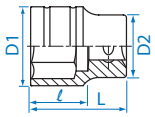




KT NO.	mm	D1 mm	D2 mm	ℓ mm	L mm	g	🧰/📦
433008MR	8	13.2	23.3	7.0	38	57	10 / 200
433009MR	9	14.0	23.3	7.0	38	60	10 / 200
433010MR	10	15.0	23.3	8.0	38	58	10 / 200
433011MR	11	16.4	23.3	8.0	38	58	10 / 200
433012MR	12	17.8	23.3	9.0	38	60	10 / 200
433013MR	13	19.0	23.3	10.0	38	60	10 / 200
433014MR	14	20.4	23.3	11.0	38	61	10 / 200
433015MR	15	21.6	23.3	11.0	38	62	10 / 200
433016MR	16	22.5	23.3	11.0	38	63	10 / 200
433017MR	17	24.0	23.2	12.0	38	66	10 / 200
433018MR	18	25.2	23.2	13.0	38	66	10 / 200
433019MR	19	27.0	23.2	13.0	38	73	10 / 160
433020MR	20	27.9	23.2	13.0	38	86	10 / 160
433021MR	21	28.9	23.2	14.0	38	97	10 / 160
433022MR	22	30.2	24.0	15.0	40	99	10 / 160
433023MR	23	31.2	25.0	15.0	40	99	8 / 160
433024MR	24	32.1	26.0	17.0	42	113	8 / 160
433025MR	25	33.4	27.0	17.0	42	125	8 / 160
433026MR	26	35.0	28.0	17.0	42	130	6 / 120
433027MR	27	36.6	28.0	19.0	42	135	6 / 120
433028MR	28	37.8	30.0	20.0	42	151	6 / 120
433029MR	29	39.0	30.0	21.0	44	169	6 / 120
433030MR	30	40.0	29.5	21.0	44	169	6 / 120
433032MR	32	42.5	30.0	23.0	44	173	6 / 120
433033MR	33	43.0	30.0	24.0	46	217	6 / 96
433034MR	34	45.0	30.0	24.0	46	231	6 / 96
433036MR	36	47.0	33.0	24.0	46	238	6 / 96

KT NO.	inch	D1 mm	D2 mm	ℓ mm	L mm	g	🧰/📦
433010SR	5/16	13.2	21.8	7.0	38	55	10 / 200
433012SR	3/8	15.0	21.8	7.0	38	59	10 / 200
433013SR	13/32	15.0	23.3	7.0	38	58	10 / 200
433014SR	7/16	16.4	23.3	8.0	38	60	10 / 200
433015SR	15/32	18.0	23.3	8.0	38	62	10 / 200
433016SR	1/2	19.0	23.3	10.0	38	62	10 / 200
433018SR	9/16	20.4	23.3	11.0	38	62	10 / 200
433019SR	19/32	21.6	23.3	11.0	38	64	10 / 200
433020SR	5/8	22.5	23.3	11.0	38	62	10 / 200
433022SR	11/16	24.0	23.2	12.0	38	70	10 / 200
433024SR	3/4	27.0	23.2	13.0	38	83	10 / 160
433025SR	25/32	28.0	23.2	13.0	38	85	10 / 160
433026SR	13/16	28.6	23.2	13.0	38	95	10 / 160
433028SR	7/8	30.2	24.0	15.0	40	102	10 / 160
433030SR	15/16	32.6	26.0	17.0	42	112	8 / 160
433032SR	1	34.8	26.8	17.0	42	130	8 / 160
433034SR	1-1/16	36.6	28.0	19.0	42	135	6 / 120
433036SR	1-1/8	39.0	30.0	21.0	44	160	6 / 120
433038SR	1-3/16	40.0	29.5	21.0	44	169	6 / 120
433040SR	1-1/4	42.5	30.0	23.0	44	173	6 / 120
433044SR	1-3/8	46.0	33.0	24.0	46	248	6 / 96

4335MR 4335SR 1/2"





KT NO.	mm	D1 mm	D2 mm	ℓ mm	L mm	g	🧰/📦
433506MR	6	12.0	23.3	7.0	38	53	10 / 200
433507MR	7	12.6	23.3	7.0	38	52	10 / 200
433508MR	8	13.2	23.3	7.0	38	61	10 / 200
433509MR	9	14.0	23.3	7.0	38	59	10 / 200
433510MR	10	15.0	23.3	8.0	38	60	10 / 200
433511MR	11	16.4	23.3	8.0	38	60	10 / 200
433512MR	12	17.8	23.3	9.0	38	61	10 / 200
433513MR	13	19.0	23.3	10.0	38	63	10 / 200
433514MR	14	20.4	23.3	11.0	38	63	10 / 200
433515MR	15	21.6	23.3	11.0	38	66	10 / 200
433516MR	16	22.5	23.3	11.0	38	64	10 / 200
433517MR	17	24.0	23.2	12.0	38	68	10 / 200
433518MR	18	25.2	23.2	13.0	38	75	10 / 200
433519MR	19	27.0	23.2	13.0	38	86	10 / 160
433520MR	20	27.9	23.2	13.0	38	95	10 / 160
433521MR	21	28.9	23.2	14.0	38	97	10 / 160
433522MR	22	30.2	24.0	15.0	40	105	10 / 160
433523MR	23	31.2	25.0	15.0	40	118	8 / 160
433524MR	24	32.1	26.0	17.0	42	138	8 / 160
433525MR	25	33.4	27.0	17.0	42	141	8 / 160
433526MR	26	35.0	28.0	17.0	42	158	6 / 120
433527MR	27	36.6	28.0	19.0	42	161	6 / 120
433528MR	28	37.8	30.0	20.0	42	162	6 / 120
433529MR	29	39.0	30.0	21.0	44	199	6 / 120
433530MR	30	40.0	29.5	21.0	44	214	6 / 120
433532MR	32	42.5	30.0	23.0	44	236	6 / 120
433533MR	33	43.0	30.0	24.0	46	227	6 / 96
433534MR	34	45.0	30.0	24.0	46	231	6 / 96
433536MR	36	47.0	33.0	24.0	46	248	6 / 96
433538MR	38	49.0	34.0	25.0	50	241	6 / 60
433539MR	39	50.0	34.0	25.0	50	240	6 / 60
433541MR	41	53.0	36.0	27.0	53	284	6 / 36
433546MR	46	59.0	40.0	30.0	58	500	4 / 32

KT NO.	inch	D1 mm	D2 mm	ℓ mm	L mm	g	🧰/📦
433510SR	5/16	13.2	21.8	7.0	38	60	10 / 200
433512SR	3/8	15.0	21.8	7.0	38	58	10 / 200
433514SR	7/16	16.4	23.3	8.0	38	60	10 / 200
433515SR	15/32	18.0	23.3	8.0	38	63	10 / 200
433516SR	1/2	19.0	23.3	10.0	38	61	10 / 200
433518SR	9/16	20.4	23.3	11.0	38	61	10 / 200
433519SR	19/32	21.6	23.3	11.0	38	65	10 / 200
433520SR	5/8	22.5	23.3	11.0	38	60	10 / 200
433522SR	11/16	24.0	23.2	12.0	38	67	10 / 200
433524SR	3/4	27.0	23.2	13.0	38	87	10 / 160
433525SR	25/32	28.0	23.2	13.0	38	96	10 / 160
433526SR	13/16	28.6	23.2	13.0	38	91	10 / 160
433528SR	7/8	30.2	24.0	15.0	40	102	10 / 160
433530SR	15/16	32.6	26.0	17.0	42	118	8 / 160
433532SR	1	34.8	26.8	17.0	42	143	8 / 160
433534SR	1-1/16	36.6	28.0	19.0	42	167	6 / 120
433536SR	1-1/8	39.0	30.0	21.0	44	163	6 / 120
433538SR	1-3/16	40.0	29.5	21.0	44	214	6 / 120
433540SR	1-1/4	42.5	30.0	23.0	44	226	6 / 120

Socket Set

4072MR | 4072SR | 4572MR | 4572SR 1/2"

Metal shelf size (mm) :
415x 336 x 320 (1.58 cuft)



4072MR / 4572MR

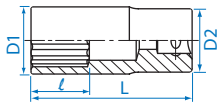
KT NO.	PC.		Contents	Each Q'ty
4072MR	172	4330MR	8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18	8
			19, 20, 21, 22, 23, 24, 25	7
4572MR	172	4335MR	26. 27, 28, 29, 30,	6
			32	5
4072SR	136	4330SR	5/16, 3/8, 7/16, 15/32, 1/2, 9/16, 19/32, 5/8, 11/16	8
			3/4, 25/32, 13/16, 7/8, 15/16	7
4572SR	136	4335SR	1, 1-1/16, 1-1/8, 1-3/16	6
			1-1/4	5

KT NO.	Spec.	kg	Cuft
4072MR 4572MR -A	87103	6.37	0.67
4072MR 4572MR -D	172 PC. socket content	17.73	0.38
4072SR 4572SR -A	87103	6.37	0.67
4072SR 4572SR -D	136 PC. socket content	13.00	0.28

Deep Socket

4230M | 4230S ○ 1/2"

- Metric-DIN 3124, ISO 2725-1
- Inch-ANSI / ASME B107.1





KT NO.	○ mm	D1 mm	D2 mm	ℓ mm	L mm	g	
423008M	8	13.2	22.0	16	77	107	6 / 120
423009M	9	14.0	22.0	16	77	112	6 / 120
423010M	10	15.2	23.7	24	77	116	6 / 120
423011M	11	16.3	23.7	24	77	119	6 / 120
423012M	12	17.7	23.7	24	77	123	6 / 120
423013M	13	18.7	23.7	24	77	125	6 / 120
423014M	14	20.2	23.7	35	77	138	6 / 120
423015M	15	21.3	23.7	35	77	138	6 / 120
423016M	16	22.6	23.7	35	77	147	6 / 96
423017M	17	23.7	23.2	35	77	151	6 / 96
423018M	18	25.5	23.2	35	77	182	6 / 96
423019M	19	25.7	23.2	35	77	176	6 / 96
423020M	20	27.7	24.0	35	77	201	6 / 96
423021M	21	27.7	25.0	35	77	220	6 / 96
423022M	22	29.8	26.0	35	77	205	6 / 96

KT NO.	○ mm	D1 mm	D2 mm	ℓ mm	L mm	g	
423023M	23	31.2	27.5	35	77	207	5 / 60
423024M	24	31.8	28.5	35	77	195	5 / 60
423025M	25	33.4	29.5	35	77	227	5 / 60
423026M	26	34.8	30.5	35	77	252	5 / 60
423027M	27	36.6	31.5	34	77	304	5 / 60
423028M	28	37.8	32.5	34	77	304	5 / 50
423029M	29	38.8	33.5	34	77	308	5 / 50
423030M	30	39.8	34.5	34	77	319	5 / 50
423032M	32	41.8	36.0	34	77	334	5 / 50
423033M	33	43.8	38.5	35	77	360	5 / 50
new 423034M	34	44.8	38.5	35	77	380	5 / 50
423036M	36	46.8	40.5	36	77	443	2 / 40

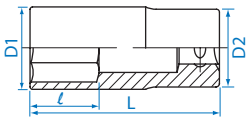
KT NO.	○ inch	D1 mm	D2 mm	ℓ mm	L mm	g	
423010S	5/16	13.2	22.0	9	77	107	6 / 120
423012S	3/8	14.7	22.0	10	77	116	6 / 120
423014S	7/16	16.3	23.7	12	77	119	6 / 120
423016S	1/2	18.7	23.7	14	77	125	6 / 120
423018S	9/16	20.2	23.7	15	77	138	6 / 120
423020S	5/8	22.6	23.7	17	77	147	6 / 96
423022S	11/16	23.7	23.2	35	77	151	6 / 96
423024S	3/4	25.7	23.2	35	77	176	6 / 96
423026S	13/16	27.7	25.0	37	77	190	6 / 96
423028S	7/8	29.8	26.0	37	77	203	6 / 96
423030S	15/16	31.8	28.5	37	77	205	5 / 60
423032S	1	33.8	29.5	37	77	277	5 / 60
423034S	1-1/16	36.6	31.5	28	77	305	5 / 60
423036S	1-1/8	37.8	32.5	28	77	306	5 / 50
423038S	1-3/16	39.8	34.5	34	77	319	5 / 50
423040S	1-1/4	41.8	36.0	34	77	330	5 / 50

Deep Socket

KT No. & D1

4235M 4235S 1/2"

- Metric-DIN 3124, ISO 2725-1
- ANSI / ASME B107.1





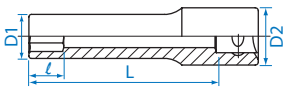
KT NO.	mm	D1 mm	D2 mm	ℓ mm	L mm		
423508M	8	13.2	22.0	16	77	113	6 / 120
423509M	9	14.0	22.0	16	77	114	6 / 120
423510M	10	15.2	23.7	24	77	116	6 / 120
423511M	11	16.3	23.7	24	77	118	6 / 120
423512M	12	17.7	23.7	24	77	125	6 / 120
423513M	13	18.7	23.7	24	77	124	6 / 120
423514M	14	20.2	23.7	35	77	127	6 / 120
423515M	15	21.3	23.7	35	77	140	6 / 120
423516M	16	22.6	23.7	35	77	139	6 / 96
423517M	17	23.7	23.2	35	77	132	6 / 96
423518M	18	25.5	23.2	35	77	136	6 / 96
423519M	19	25.7	23.2	35	77	151	6 / 96
423520M	20	27.7	24.0	35	77	194	6 / 96
423521M	21	27.7	25.0	35	77	163	6 / 96
423522M	22	29.8	26.0	35	77	166	6 / 96
423523M	23	31.2	27.5	35	77	208	5 / 60
423524M	24	31.8	28.5	35	77	212	5 / 60
423525M	25	33.4	29.5	35	77	224	5 / 60
423526M	26	34.8	30.5	35	77	244	5 / 60
423527M	27	36.6	31.5	34	77	270	5 / 60
423528M	28	37.8	32.5	34	77	312	5 / 50
423529M	29	38.8	33.5	34	77	309	5 / 50
423530M	30	39.8	34.5	34	77	307	5 / 50
423532M	32	41.8	36.0	34	77	334	5 / 50
423533M	33	43.8	38.5	35	77	346	5 / 50
423536M	36	46.8	40.5	36	77	410	2 / 40
423538M	38	49.0	40.5	38	77	490	2 / 40
423541M	41	53.0	40.5	40	77	665	2 / 24

KT NO.	inch	D1 mm	D2 mm	ℓ mm	L mm		
423510S	5/16	13.2	22.0	16	77	116	6 / 120
423512S	3/8	14.7	22.0	16	77	116	6 / 120
423514S	7/16	16.3	23.7	24	77	118	6 / 120
423516S	1/2	18.7	23.7	24	77	130	6 / 120
423518S	9/16	20.2	23.7	35	77	138	6 / 120
423520S	5/8	22.6	23.7	35	77	139	6 / 96
423522S	11/16	23.7	23.2	35	77	115	6 / 96
423524S	3/4	25.7	23.2	35	77	140	6 / 96
423526S	13/16	27.7	25.0	35	77	163	6 / 96
423528S	7/8	29.8	26.0	35	77	166	6 / 96
423530S	15/16	31.8	28.5	35	77	195	5 / 60
423532S	1	33.8	29.5	35	77	277	5 / 60
423534S	1-1/16	36.6	31.5	34	77	239	5 / 60
423536S	1-1/8	37.8	32.5	34	77	309	5 / 50
423538S	1-3/16	39.8	34.5	34	77	307	5 / 50
423540S	1-1/4	41.8	36.0	34	77	334	5 / 50
423542S	1-5/16	44.0	38.5	35	77	377	5 / 50
423544S	1-3/8	46.0	38.5	35	77	401	2 / 40
423546S	1-7/16	47.5	40.5	36	77	424	2 / 40
423548S	1-1/2	49.0	40.5	38	77	496	2 / 40

4245M EXTENDED LENGTH 1/2"

- DIN 3120



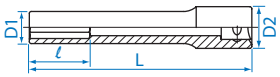


KT NO.	mm	D1 mm	D2 mm	ℓ mm	L mm		
424508M	8	13.2	22.0	9.0	90	110	6 / 120
424509M	9	14.0	22.0	10.0	90	113	6 / 120
424510M	10	15.2	23.7	11.0	90	133	6 / 120
424512M	12	17.7	23.7	13.0	90	155	6 / 120
424513M	13	18.7	23.7	14.0	90	157	6 / 120
424514M	14	20.2	23.7	15.0	90	162	6 / 120

4255M EXTENDED LENGTH 1/2"

- DIN 3120



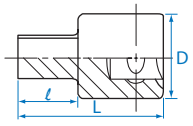


KT NO.	mm	D1 mm	D2 mm	ℓ mm	L mm		
425508M	8	13.2	22.0	9	120	135	6 / 96
425509M	9	14.0	22.0	10	120	145	6 / 96
425510M	10	15.2	23.7	11	120	162	6 / 96
425512M	12	17.7	23.7	13	120	200	6 / 96
425513M	13	18.7	23.7	14	120	202	6 / 96
425514M	14	20.2	23.7	15	120	217	6 / 96

Square Socket

4014M 1/2"

- DIN 3120





KT NO.	mm	D mm	ℓ mm	L mm		
401408M	RB8.0	23.5	13.5	35	60	10 / 200
401409M	RB9.5	23.5	13.5	35	68	10 / 200
401410M	RB10.0	23.5	13.5	35	72	10 / 200
401411M	RB10.5	23.5	13.5	35	78	10 / 200
401412M	RB12.0	23.5	13.5	35	90	10 / 200
401413M	RB12.7	23.5	13.5	35	97	10 / 200
401414M	RB13.5	23.5	13.5	35	106	10 / 200
401419M	RB19.0	25.0	15.5	40	130	10 / 160

Deep Socket Set

4066MR | 4066SR | 4566MR 1/2"

Metal shelf size (mm) :
415x 336 x 320 (1.58 cuft)



4066MR / 4566MR

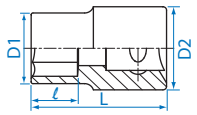
KT NO.	PC.		Contents	Each Q'ty
4066MR	165	4230M	8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18	8
			19, 20, 21, 22, 23, 24	7
4566MR	165	4235M	26, 27, 28, 29, 30	6
			32	5
4066SR	114	4230S	5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16	8
			3/4, 13/16, 7/8, 15/16, 1	7
			1-1/16, 1-1/8, 1-3/16	6
			1-1/4	5

KT NO.	Spec.	kg	Cuft
4066MR-A 4566MR-A	87103	5.87	0.62
4066MR-D 4566MR-D	165 PC. socket content	30.70	0.63
4066SR -A	87103	5.87	0.62
4066SR -D	114 PC. socket content	21.0	0.47

Star Socket

4375M 1/2"

- For torx external screw
- Chrome vanadium steel
- Polished, chrome plated
- DIN 3120

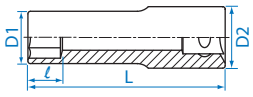




KT NO.	mm	D1 mm	D2 mm	ℓ mm	L mm	g	
437508M	E08	11.4	23.8	7.0	37	60	10 / 200
437510M	E10	13.2	23.8	7.5	37	60	10 / 200
437511M	E11	14.0	23.8	8.0	37	62	10 / 200
437512M	E12	15.0	23.8	9.0	37	62	10 / 200
437514M	E14	16.4	23.8	10.0	37	64	10 / 200
437516M	E16	18.8	23.8	11.0	37	68	10 / 200
437518M	E18	20.5	23.8	12.5	39	72	10 / 200
437520M	E20	22.8	23.8	14.0	39	74	10 / 200
437522M	E22	24.6	23.8	16.0	39	75	10 / 200
437524M	E24	26.5	23.8	16.0	39	83	10 / 160

4275M 1/2"

- Long type
- Chrome vanadium steel
- Polished, chrome plated
- DIN 3120





KT NO.	mm	D1 mm	D2 mm	ℓ mm	L mm	g	
427508M	E08	11.4	23.8	7.0	77	109	6 / 120
427510M	E10	13.2	23.8	7.5	77	109	6 / 120
427512M	E12	15.0	23.8	9.0	77	119	6 / 120
427514M	E14	16.4	23.8	10.0	77	125	6 / 120
427516M	E16	18.8	23.8	11.0	77	138	6 / 120
427518M	E18	20.5	23.8	12.5	77	149	6 / 120
427520M	E20	22.8	23.8	14.0	77	167	6 / 120
427522M	E22	24.6	23.8	16.0	77	172	6 / 96
427524M	E24	26.5	23.8	16.0	77	191	6 / 96

Spark Plug Socket

KT No. & D1

4630 | 4660 | 4635 | 4665

4670 | 4675 | 1/2"

- 6 / 12 points
- Size combined
  - 16.0mm (5/8")
  - 20.8mm (13/16")
- Inside sleeve
  - rubber
  - magnet
- DIN 3120
- 14mm use for Toyota Yaris, Vios



KT NO.	Type	Size inch	Size mm	D mm	L mm		
463014RC	12 points Rubber	-	14.0	19.05	70	70	12 / 240
463016R	12 points Rubber	5/8	16.0	20.75	70	110	10 / 200
466016	12 points Magnet	5/8	16.0	20.75	70	115	10 / 200
463514RC	6 points Rubber	-	14.0	19.05	70	70	12 / 240
463516R	6 points Rubber	5/8	16.0	20.75	70	110	10 / 200
466516	6 points Magnet	5/8	16.0	20.75	70	115	10 / 200
463021R	12 points Rubber	13/16	20.8	27.7	70	160	12 / 120
466021	12 points Magnet	13/16	20.8	27.7	70	165	12 / 120
463521R	6 points Rubber	13/16	20.8	27.7	70	155	12 / 120
466521	6 points Magnet	13/16	20.8	27.7	70	160	12 / 120
467014C	12 points Metal clip	-	14.0	19.05	70	70	12 / 240
467016	12 points Metal clip	5/8	16.0	20.75	70	110	10 / 200
467021	12 points Metal clip	13/16	20.8	27.7	70	165	12 / 120
467514C	6 points Metal clip	-	14.0	19.05	70	70	12 / 240
467516	6 points Metal clip	5/8	16.0	20.75	70	110	10 / 200
467521	6 points Metal clip	13/16	20.8	27.7	70	168	12 / 120


463014RC - Thin walled design


463514RC - Thin walled design


463016R - Thin walled design


466016 - Thin walled design


463516R - Thin walled design

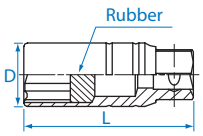

466516 - Thin walled design

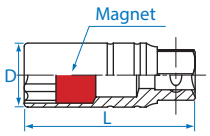

463021R


466021


463521R

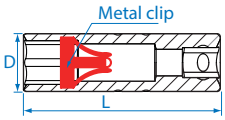

466521

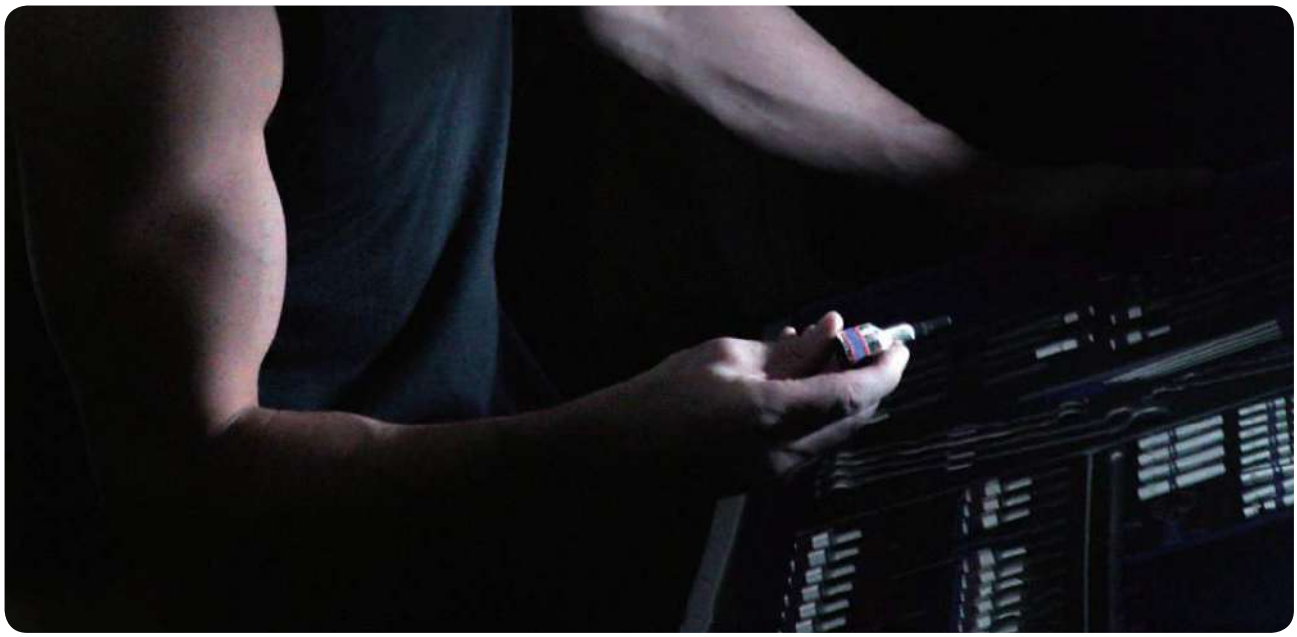





467514C


467014C





Bit Socket

CAUTION In order to get normal life of bit socket, always use within limited torque to bit.

4021 1/2"

- Phillips head
- DIN ISO 8764-1



KT NO.	No.	Overall length mm		
402102	PH2	60	77	10 / 180
402103	PH3	60	77	10 / 180
402104	PH4	60	77	10 / 180

4022 1/2"

- Slotted head
- DIN ISO 5264 / 3120



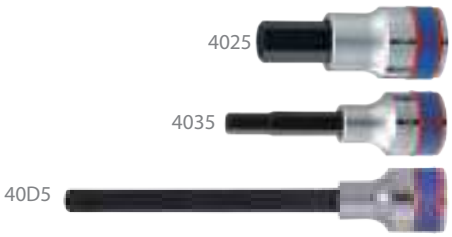
KT NO.	Tip width mm	Tip thickness mm	Overall length mm		
402208	8	1.2	60	77	10 / 180
402210	10	1.6	60	83	10 / 180
402212	12	2.0	60	110	10 / 180
402214	14	2.5	60	112	10 / 180
402216	16	2.5	60	113	10 / 180

4025

4035

40D5 1/2"

- Hexagon head
- DIN 7422



KT NO.	mm / Inch	Overall length mm		
402503	H3	60	68	10 / 180
402504	H4	60	68	10 / 180
402505	H5	60	70	10 / 180
402506	H6	60	72	10 / 180
402507	H7	60	75	10 / 180
402508	H8	60	75	10 / 180
402509	H9	60	79	10 / 180
402510	H10	60	85	10 / 180
402512	H12	60	117	10 / 180
402514	H14	60	120	10 / 180
402517	H17	66	153	10 / 100
402519	H19	66	225	10 / 120
403504	H4	80	90	6 / 120
403505	H5	80	90	6 / 120
403506	H6	80	90	6 / 120
403507	H7	80	90	6 / 120
403508	H8	80	93	6 / 120
403509	H9	80	97	6 / 120
403510	H10	80	107	6 / 120
403511	H11	80	140	6 / 120
403512	H12	80	145	6 / 120
403514	H14	80	145	6 / 120
403517	H17	80	200	6 / 120
403519	H19	80	245	6 / 96
40D506	H6	140	102	6 / 120
40D508	H8	140	104	6 / 120
40D510	H10	140	133	6 / 120
402506S	3/16	60	66	10 / 180
402507S	7/32	60	68	10 / 180
402508S	1/4	60	69	10 / 180
402509S	9/32	60	70	10 / 180
402510S	5/16	60	74	10 / 180
402512S	3/8	60	83	10 / 180
402514S	7/16	60	100	10 / 180
402516S	1/2	60	110	10 / 180
402518S	9/16	66	157	12 / 120
402520S	5/8	66	162	12 / 120
402524S	3/4	66	225	10 / 120

40D0 1/2"

- Hexagon with ball point head



KT NO.	mm	Overall length mm		
40D006	H6	140	101	6 / 120
40D008	H8	140	103	6 / 120
40D010	H10	140	132	6 / 120

4026

4046

4036 1/2"

4066

- Spline head
- DIN 3120



KT NO.	Size	Overall length mm		
402605	M5	60	70	10 / 180
402606	M6	60	72	10 / 180
402608	M8	60	73	10 / 180
402610	M10	60	85	10 / 180
402612	M12	60	113	10 / 180
402614	M14	60	117	10 / 180
402616	M16	60	145	10 / 120
402618	M18	60	196	10 / 120
403605	M5	80	74	6 / 120
403606	M6	80	85	6 / 120
403608	M8	80	90	6 / 120
403610	M10	80	107	6 / 120
403612	M12	80	142	6 / 120
403614	M14	80	134	6 / 120
404605	M5	100	82	6 / 120
404607	M7	100	84	6 / 120
404608	M8	100	85	6 / 120
404610	M10	100	113	6 / 120
404612	M12	100	138	6 / 120
404614	M14	100	170	6 / 120
406608	M8	140	109	6 / 120
406609	M9	140	138	6 / 120
406610	M10	140	138	6 / 120
406612	M12	140	175	6 / 120
406614	M14	140	213	6 / 120
406616	M16	140	301	6 / 72

Bit Socket

404108 1/2"

- Spline head
- DIN 3120
- Use for Toyota Tercel cylinder head bolt



KT NO.	Size	Overall length mm		
404108	M8.9	100	129	6 / 120

402A 1/2"

- Pentagon head
- For using on most vehicles fitting brake system



KT NO.	Size	Overall length mm		
402A10	10	60	85	10 / 180

402B 1/2"

- Spline head
- Tamper resistant type
- For gearbox and sump plugs of Audi A4/A6/A3, Golf IV/LT of VW



KT NO.	Size	Overall length mm		
402B16	M16	66	150	10 / 120
402B18	M18	66	201	10 / 120

4023

- For torx internal screw
- DIN 3120

4033 1/2"



4023



4033

KT NO.	Size	Overall length mm		
402320	T20	60	72	10 / 180
402325	T25	60	72	10 / 180
402327	T27	60	72	10 / 180
402330	T30	60	75	10 / 180
402340	T40	60	75	10 / 180
402345	T45	60	80	10 / 180
402350	T50	60	82	10 / 180
402355	T55	60	85	10 / 180
402360	T60	60	115	10 / 180
402370	T70	60	116	10 / 180
403320	T20	80	78	6 / 120
403325	T25	80	79	6 / 120
403327	T27	80	80	6 / 120
403330	T30	80	80	6 / 120
403340	T40	80	81	6 / 120
403345	T45	80	81	6 / 120
403350	T50	80	82	6 / 120
403355	T55	80	99	6 / 120
403360	T60	80	134	6 / 120
403370	T70	80	143	6 / 120

4027

4037 1/2"

- For tamper resistant torx screw
- DIN 3120



4027



4037

KT NO.	Size	Overall length mm		
402720	T20H	60	72	10 / 180
402725	T25H	60	72	10 / 180
402727	T27H	60	72	10 / 180
402730	T30H	60	75	10 / 180
402740	T40H	60	75	10 / 180
402745	T45H	60	80	10 / 180
402750	T50H	60	82	10 / 180
402755	T55H	60	85	10 / 180
402760	T60H	60	115	10 / 180
403720	T20H	80	78	6 / 120
403725	T25H	80	79	6 / 120
403727	T27H	80	80	6 / 120
403730	T30H	80	80	6 / 120
403740	T40H	80	81	6 / 120
403745	T45H	80	81	6 / 120
403750	T50H	80	82	6 / 120
403755	T55H	80	99	6 / 120
403760	T60H	80	134	6 / 120

4049 1/2"

- Use for VW, Audi, Fiat cylinder head bolt



KT NO.	Size	Overall length mm		
404904	M4	100	94	6 / 120
404905	M5	100	95	6 / 120
404906	M6	100	96	6 / 120
404907	M7	100	97	6 / 120
404908	M8	100	98	6 / 120
404909	M9	100	100	6 / 120
404910	M10	100	106	6 / 120
404925	M10.5	100	110	6 / 120
404912	M12	100	132	6 / 120
404913	M13	100	162	6 / 120
404914	M14	100	164	6 / 120
404916	M16	100	166	6 / 120

Ratchet & Set

KT No. & D1

4725

FINE GEAR 1/2"

- Reversible ratchet
- 8° gear action degree(45 teeth)
- DIN 3122

KT NO.	Overall length inch	mm	g	
4725-10FR	10	250	573	2 / 40
4725-10GR	10	250	617	1 / 20
4725-12FR	12	300	642	2 / 40
4725-12GR	12	300	762	1 / 20
4725-12BR	12	300	644	2 / 40
4725DKR01	renewal kits		-	-





4725DKR01



4725-10FR
4725-12FR



4725-10GR
4725-12GR



4725-12BR

4755

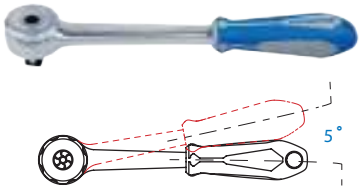
FINE GEAR 1/2"

- Reversible ratchet
- 5° gear action degree (72 teeth)
- DIN 3122

KT NO.	Overall length inch	mm	g	
4755-10G	10	250	542	1 / 20
4755DK	renewal kits		-	-



4755DK



4756

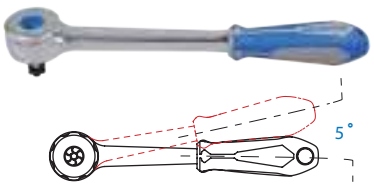
QUICK RELEASE FINE GEAR 1/2"

- Quick release reversible ratchet
- 5° gear action degree (72 teeth)
- DIN 3122

KT NO.	Overall length inch	mm	g	
4756-10G	10	250	572	1 / 20
4756DK	renewal kits		-	-



4756DK

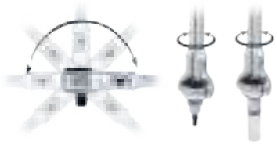


4752

QUICK RELEASE FINE GEAR 1/2"

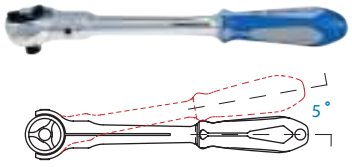
- Quick release flexible and reversible ratchet
- 5° gear action degree (72 teeth)
- Multi-angle design for difficult-to-reach fasteners

KT NO.	Overall length inch	mm	g	
4752-12G	12	300	635	1 / 20
4752DK	renewal kits		-	-





4752DK



9415GR

1/4" + 3/8" + 1/2"

Paper display stand size (mm):
405 x 310 x 80 (0.36 cuft)

15 PC.



Contents	kg 5.90	1 / 2
	2752-06G x5	
	3752-09G x5	
	4752-12G x5	



Ratchet

4760

MINI RATCHET FINE GEAR 1/2"

- Mini reversible ratchet
- 5° gear action degree (72 teeth)
- Two teeth pawl action
- DIN 3122

KT NO.	Overall length inch	mm	g	pcs / box
4760-05	4-3/4	120	222	5 / 90
4760-05G	5-1/2	140	210	4 / 72
4760DK01	renewal kits		-	-



4760DK01



4760-05



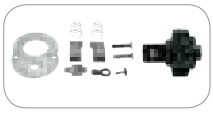
4760-05G

4762

QUICK RELEASE 1/2"

- Quick release reversible ratchet
- 11° gear action degree (32 teeth)
- Two teeth pawl action
- DIN 3122

KT NO.	Overall length inch	mm	g	pcs / box
4762-10G	10	250	532	5 / 30
4762-10F	10	250	590	6 / 36
4762-10P	10	250	563	6 / 36
4762-15G	15	375	690	5 / 20
4762-15F	15	375	750	6 / 24
4762-15P	15	375	728	6 / 24
4762DK	renewal kits		-	-



4762DK



4762-10G / 4762-15G



4762-10F / 4762-15F



4762-10P / 4762-15P

4768

1/2"

- Reversible ratchet
- 11° gear action degree (32 teeth)
- Two teeth pawl action
- DIN 3122

KT NO.	Overall length inch	mm	g	pcs / box
4768-10G	10	250	541	5 / 25
4768-10F	10	250	589	6 / 36
4768-10P	10	250	562	6 / 36
4768-15G	15	375	720	5 / 20
4768-15F	15	375	776	6 / 24
4768-15P	15	375	734	6 / 24
4768DK	renewal kits		-	-



4768DK



4768-10G / 4768-15G



4768-10F / 4768-15F



4768-10P / 4768-15P

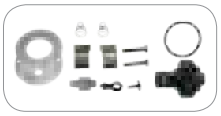
4771

QUICK RELEASE 1/2"

- Quick release reversible ratchet
- 11° gear action degree (32 teeth)
- Two teeth pawl action
- DIN 3122

KT NO.	Overall length inch	mm	g	pcs / box
4771-10BR	10	250	624	2 / 40
4771-10FR	10	250	659	2 / 40
4771-10GR	10	250	548	1 / 20
4771DK	renewal kits		-	-





4771DK



4771-10BR



4771-10FR



4771-10GR

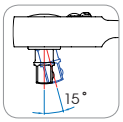
Ratchet

KT No. & D1

4774 — 1/2"

- Universal joint reversible ratchet
- 11° gear action degree (32 teeth)
- Two teeth pawl action
- DIN 3122
- 15° rotation





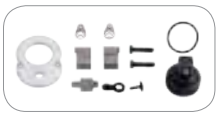


4774-10F



4774-10G

KT NO.	Overall length inch	Overall length mm	g	pcs / box
4774-10F	10	250	650	1 / 20
4774-10G	10	250	597	1 / 20
4774DK	renewal kits		-	-



4774DK

4779 — 1/2"

- Reversible ratchet
- 11° gear action degree (32 teeth)
- Two teeth pawl action
- DIN 3122



4779-10BR



4779-10FR



4779-10GR

KT NO.	Overall length inch	Overall length mm	g	pcs / box
4779-10BR	10	250	590	2 / 40
4779-10FR	10	250	615	2 / 40
4779-10GR	10	250	555	1 / 20
4779DK01	renewal kits		-	-



4779DK01

4781 — QUICK RELEASE 1/2"

- Quick release flexible and reversible ratchet
- 11° gear action degree (32 teeth)
- Two teeth pawl action
- DIN 3122

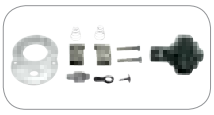


4781-12F



4781-12P

KT NO.	Overall length inch	Overall length mm	g	pcs / box
4781-12F	12	300	792	1 / 20
4781-12P	12	300	758	1 / 20
4781DK	renewal kits		-	-



4781DK

4772 — QUICK RELEASE 1/2"

- Design spec. similar to DIN 3122, ISO 3315
- Made from special-purpose drop-forged and hardened aluminium
- Finishing
  - anodic treatment
  - black driver by phosphate sunk
- The mechanism as in all 4771/9 ratchets is made from high-quality steel

-40% weight — Light weight



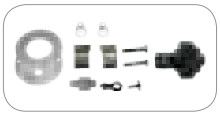
4772DK01



4772-10G



4772-10F



4772DK



4772-10GS



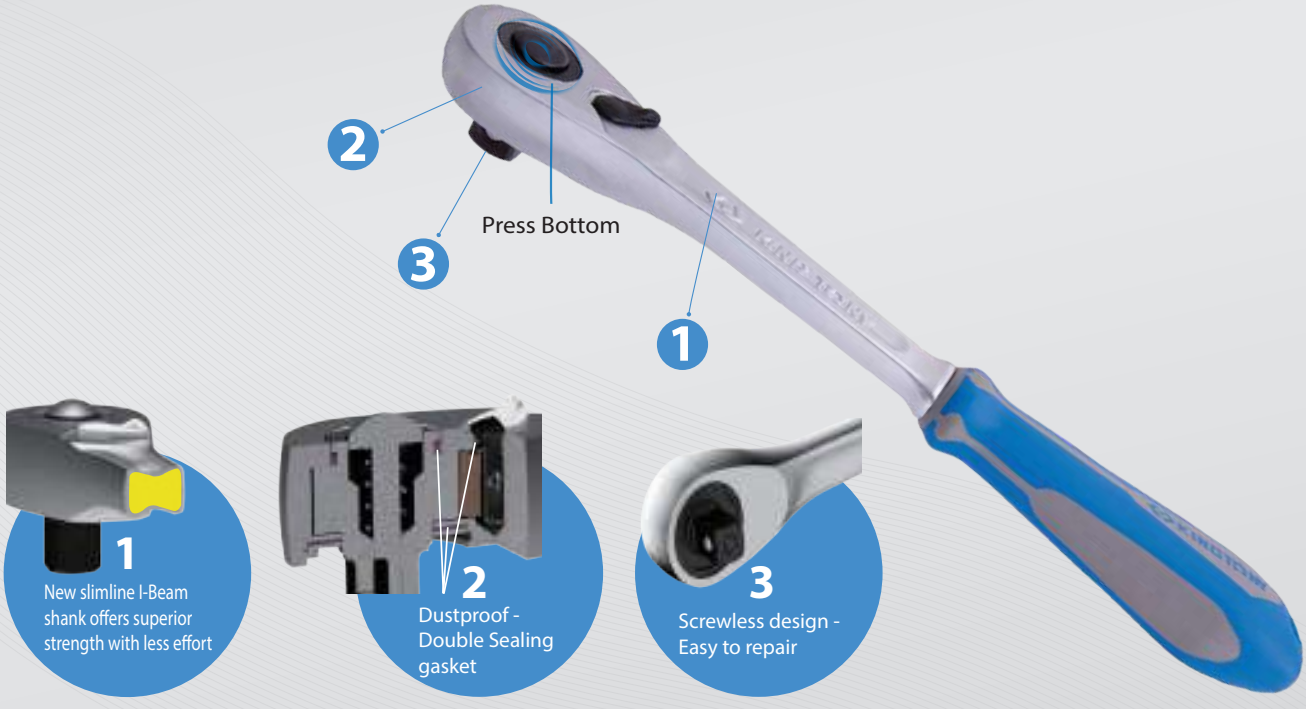
4772-10FS

KT NO.	Overall length inch	Overall length mm	g	pcs / box
4772-10G	10	250	336	1 / 25
4772-10F	10	250	353	1 / 25
4772DK01	renewal kits		-	-
4772-10GS	10	250	336	1 / 25
4772-10FS	10	250	353	1 / 25
4772DK	renewal kits		-	-

1/2" DR. RATCHET



- Material
  - chrome vanadium alloy steel handle
  - chrome molybdenum steel (gear) driver
- Finishing
  - polished, chrome plated
  - black driver by phosphate sunk



1
New slimline I-Beam shank offers superior strength with less effort

2
Dustproof - Double Sealing gasket

3
Screwless design - Easy to repair

4773-10GS (IP51)

4773-10GS new

- Quick release reversible ratchet
- 4° gear action degree (90 teeth)
- DIN 3122
- IP51

KT NO.	Overall length inch	Overall length mm	g	pcs / box
4773-10GS	10	250	500	1 / 20
4773DK	renewal kits			



4773DK

Accessory

CAUTION

The offset extension bar has less strength than normal extension bar. Do not use as a normal extension bar.

4121 1/2"

- Adjustable handle
- Push-Lock design



KT NO.	Overall length inch	Overall length mm	g	
4121-11GR	11-1/2	295	544	1 / 20

4251 1/2"

- Extension bar
- DIN 3123

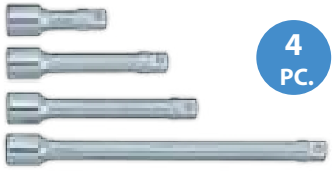


KT NO.	Overall length inch	Overall length mm	g	
4251-02R	2	55	98	12 / 216
4251-03R	3	75	138	6 / 120
4251-04R	4	100	163	4 / 80
4251-05R	5	125	192	4 / 80
4251-06R	6	150	230	4 / 64
4251-08R	8	200	270	4 / 80
4251-10R	10	250	433	4 / 64

4104PR 1/2"

- Extension bar

4 PC.



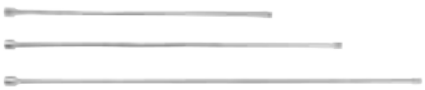
Contents

kg 0.84 | 1 / 25

4251 3" 5" 6" 10"

4221 1/2"

- Extension bar
- DIN 3123



KT NO.	Overall length inch	Overall length mm	g	
4221-18	18	450	550	1 / 20
4221-24	24	600	685	1 / 20
4221-30	30	750	860	1 / 20
4221-36	36	900	1030	1 / 20

4223 1/2"

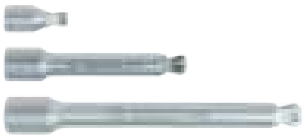
- Offset extension bar
- Max. torque:320 Nm
- DIN 3123



KT NO.	Overall length inch	Overall length mm	g	
4223-02R	2	55	94	12 / 216
4223-05R	5	125	198	4 / 80
4223-10R	10	250	357	4 / 64

4293 1/2"

- Multi-function of extension bar and offset extension bar
- Max. torque : 320 Nm
- DIN 3123



KT NO.	Overall length inch	Overall length mm	g	
4293-02	2	55	55	12 / 216
4293-05	5	125	200	4 / 80
4293-10	10	250	420	4 / 64

4311 1/2"

- Speed brace
- DIN 3122



4311-16F

4311-16G

KT NO.	Overall length inch	Overall length mm	g	
4311-16F	16-1/4	412	545	5 / 40
4311-16G	16-1/4	412	545	5 / 40

4452 1/2"

- Flexible handle
- Action degree -180°
- DIN 3122



4452DK



KT NO.	Overall length inch	Overall length mm	g	
4452-15FR	15	375	720	2 / 24
4452-18FR	18	450	828	2 / 20
4452-24FR	24	600	1165	1 / 20
4452DK	renewal kits(for 15F/18F)		62	-
4452DK1	renewal kits(for 24F)		62	-

4453 1/2"

- Flexible handle
- Action degree -180°
- New pattern design added in firm and powerful elements
- New forge technologies I-Beam shank offer 15% lightweight
- DIN 3122



4452DK



4453-15F



4453-18F

KT NO.	Overall length inch	Overall length mm	g	
4453-15F	15	375	600	2 / 24
4453-18F	18	450	700	2 / 20
4452DK	renewal kits(for 15F/18F)		62	-

Accessory

KT No. & D1

4462 1/2"

- Flexible handle
- Action degree -180°
- DIN 3122



4462DK



KT NO.	Overall length inch	Overall length mm	g	
4462-18F	18	463	1046	1 / 20
4462-24F	24	613	1350	1 / 20
4462DK	renewal kits		-	-

4572 1/2"

- Sliding T-handle
- DIN 3122



4572DK



KT NO.	Overall length inch	Overall length mm	g	
4572-10	10	250	370	2 / 40
4572-12	12	300	433	2 / 40
4572DK	renewal kits		-	-

4573 1/2"

- Sliding T-handle
- DIN 3120



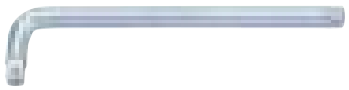
4573DK



KT NO.	Overall length inch	Overall length mm	g	
4573-10R	10	250	497	2 / 40
4573DK	renewal kits		-	-

4581 1/2"

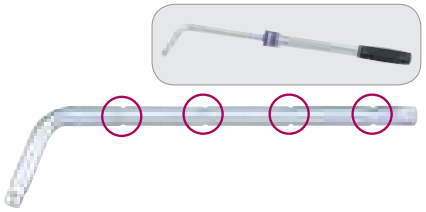
- 90° L-handle
- DIN 3122



KT NO.	Overall length inch	Overall length mm	g	
4581-10	10	250	429	1 / 40

4583 1/2"

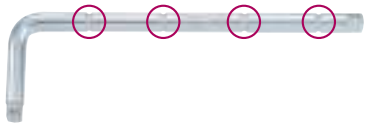
- 105° L-handle
- DIN 3120



KT NO.	Overall length inch	Overall length mm	g	
4583-12R	12-1/2	315	545	1 / 40

4584 1/2"

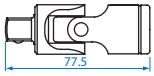
- 90° L-handle
- DIN 3120



KT NO.	Overall length inch	Overall length mm	g	
4584-12R	12	300	550	1 / 40

4791R 1/2"

- Univesal joint
- DIN 3120, ISO 3316

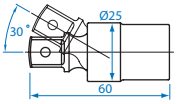




KT NO.	Overall length inch	Overall length mm	g	
4791R	3	77.5	163	5 / 100

4794 1/2"

- Univesal joint
- 30° rotation
- Short pattern design enables greater access in confined spaces





KT NO.	Overall length inch	Overall length mm	g	
4794	2-3/8	60	106	5 / 180

4813 4816 1/2"

- Adapter
- Convert to 3/8" drive or 3/4" drive
- 4813 →Max. torque : 202 Nm
- DIN 3123, ISO 3316



4813
3/8" drive(M)



4816
3/4" drive(M)

← 1/2" drive(F)

KT NO.	Spec.	g	
4813	1/2"Fx3/8"M	61	10 / 200
4816	1/2"Fx3/4"M	114	10 / 200

4148 1/2"

- Bit holder



KT NO.	Size	Overall length mm	g	
414808S	1/4"	38	50	10 / 200
414810S	5/16"	38	60	10 / 200
414810M	10 mm	38	65	10 / 200

Socket Rail Set

4010MR / 4010SR / 4510MR / 4510SR 1/2"

- Socket rail 230mmL

8 PC.



4010MR/4510MR



4010SR/4510SR

KT NO.	Contents			0.64 kg	40
4010MR	○ 4330MR	10, 12, 13, 14, 17, 19, 21, 22			
4510MR	○ 4335MR		8740908		
4010SR	○ 4330SR	3/8, 7/16, 1/2, 9/16, 11/16, 3/4, 13/16, 7/8			
4510SR	○ 4335SR				

4208MR10 / 4308MR10 1/2"

- Socket rail 240mmL

8 PC.



KT NO.	Contents			1.22 kg	14
4208MR10	○ 4230MR	12, 13, 14 17, 19, 21 22, 23	8741108		
4308MR10	○ 4235MR				

4106PR 1/2"

- Socket rail 230mmL

6 PC.



Contents		0.51 kg	40
4375M	E10, E12, E14, E16, E18, E20		
8740906			

4118MR 1/2"

- Socket rail 230mmL

8 PC.



Contents		0.57 kg	40
4014M	RB8, RB9.5, RB10, RB10.5, RB12, RB12.7, RB13.5, RB19		
8740908			

4311MR 1/2"

- Socket rail 230mmL

11 PC.



Contents		0.92 kg	12
○ 4335MR	10, 11, 13, 14, 15, 17, 18, 19		
4725-10GR	4572-10		
4251-05R	8740908		

Bit Socket Rail Set

4110PR10 1/2"

- Socket rail 240mmL
- For hex head screw
- H : 60mm

9 PC.



Contents		0.77 kg	14
4025	H3, H4, H5, H6, H7, H8, H10, H12, H14		
8741009			

4110SR10 1/2"

- Socket rail 240mmL
- For hex head screw
- H : 60mm

9 PC.



Contents		1.22 kg	14
4025S	3/16, 7/32, 1/4, 9/32, 5/16, 3/8, 1/2, 9/16, 5/8		
8741009			

Bit Socket Rail Set

4120PR10 1/2"

- Socket rail 240mmL
- For hex head screw
- H : 80mm

9 PC.



Contents — 1.0 kg — 14

4035	H4, H5, H6, H7, H8, H10, H12, H14, H17
8741009	

4108PR10 1/2"

- Socket rail 240mmL
- For hex head screw
- H : 60mm

8 PC.



Contents — 0.96 kg — 14

4025	H6, H7, H8, H10, H12, H14, H17, H19
8741009	

4126PR 1/2"

- Socket rail 127mmL
- For spline head screw
- H : 60mm

4 PC.



Contents — 0.38 kg — 50

4026	M6, M8, M10, M12
8740504	

4105PR 1/2"

- Socket rail 150mmL
- For spline head screw
- H : 60 & 66 mm

5 PC.



Contents — 0.57 kg — 50

4026	M8, M10, M12, M14
402B	M16
8740605	

4136PR 1/2"

- Socket rail 127mmL
- For spline head screw
- H : 80mm

4 PC.



Contents — 0.46 kg — 30

4036	M6, M8, M10, M12
8740504	

4109PR10 1/2"

- Socket rail 240mmL
- For torx head screw
- H : 60mm

9 PC.



Contents — 0.74 kg — 14

4023	T20, T25, T27, T30, T40, T45, T50, T55, T60
8741009	

4119PR10 1/2"

- Socket rail 240mmL
- For torx head screw
- H : 80mm

9 PC.



Contents — 0.84 kg — 14

4033	T20, T25, T27, T30, T40, T45, T50, T55, T60
8741009	

4116PR 1/2"

- Socket rail 180mmL
- For ribe head screw
- H : 100mm

6 PC.



Contents — 0.38 kg — 20

4049	M9, M10, M12, M13, M14, M16
8740706	

Socket Rail

874 1/2"

- Rail length from 160 mm to 560 mm



KT NO.	L (mm)
870406	160
870410	260
870422	560
8740	-

874D1 new 1/2"

- Socket rail carrier with retaining clip
- 26" roller cabinet





KT NO.	Square drive	Clip	L (mm)
8740809D1	1/2"	9	508

Socket & Wrench Set

4313MR01 1/2"



13 PC.

Contents	1.55 kg	10
4335MR	8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19	
4771-10GR	4251-06R	

4213MR 1/2"



11 PC.

Contents	1.39 kg	16
4330MR	10, 11, 12, 13, 14, 17, 19, 21, 22	
4766-10G	4251-06R	



Socket Set

4208MR 4208SR

4308MR 1/2"

Metal case size (mm) :
246 x 103 x 38 (0.034 cuft)



8 PC.

4208MR / 4308MR

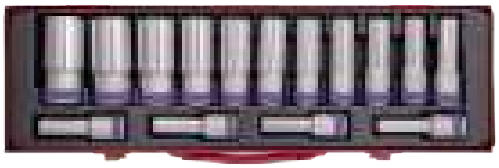


4208SR

KT NO.	Contents	1.75 kg	1 / 12
4208MR	4230M	12, 13, 14, 17, 19, 21, 22, 23	
4308MR	4235M		
4208SR	4230S	1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16	

4215MR 4315MR 1/2"

Metal case size (mm) :
445 x 135 x 50 (0.107 cuft)



15 PC.

KT NO.	Contents	3.80 kg	1 / 6
4215MR	4230M	10, 11, 12, 13, 14, 15, 16, 17, 19, 21, 22, 24, 27, 30, 32	
4315MR	4235M		

4216MR 4316MR 1/2"

Metal case size (mm) :
445 x 135 x 50 (0.107 cuft)



16 PC.

KT NO.	Contents	3.68 kg	1 / 6
4216MR	4230M	10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24, 27, 30, 32	
4316MR	4235M		

Bit Socket Set

4109PR

Metal case size (mm) :
198 x 105 x 32 (0.023 cuft)

9 PC.


4109PR

4119PR 1/2"


4119PR

KT NO.	Contents			
4109PR	4023	T20, T25, T27, T30, T40, T45, T50, T55, T60	1.04	1 / 20
4119PR	4033		1.13	1 / 20

4110PR

Metal case size (mm) :
198 x 105 x 32 (0.023 cuft)

9 PC.


4110PR

4120PR 1/2"


4120PR

KT NO.	Contents			
4110PR	4025	H3, H4, H5, H6, H7, H8, H10, H12, H14	1.03	1 / 20
4120PR	4035	H4, H5, H6, H7, H8, H10, H12, H14, H17	1.38	1 / 20

4117PR 1/2"

Metal case size (mm) :
244 x 94 x 40 (0.033 cuft)

7 PC.



Contents		1.22	1 / 8
4026	M6, M8, M10, M12, M14		
402B	M16, M18		

4128PR 1/2"

Metal case size (mm) :
244 x 94 x 40 (0.038 cuft)

8 PC.



Contents		1.24	1 / 8
4026	M5, M6, M8, M10		
402B	M16		
4036	M8, M10, M12		

Socket Set

4501MR 1/2"

Metal case size (mm) :
392 x 90 x 50 (0.062 cuft)

15 PC.



Contents		3.28	1 / 6
4335MR	8, 10, 11, 12, 13, 14, 17, 19, 21, 22, 24, 27		
4779-10FR	4251-05R		
4452-15FR			

4511MR

4511SR 1/2"

Metal case size (mm) :
445 x 187 x 50 (0.147 cuft)

24 PC.


4511MR


4511SR

KT NO.	Contents		5.5	1 / 4
4511MR	4335MR	10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32	463521R, 4725-12GR, 4572-10, 4251-05R, 4251-10R, 4223-02R	
4511SR	4335SR	3/8, 7/16, 15/32, 1/2, 9/16, 19/32, 5/8, 11/16, 3/4, 25/32, 13/16, 7/8, 15/16, 1, 1-1/16, 1-1/8, 1-3/16, 1-1/4		

Socket Set

4012MR / 4012SR / 4512MR / 4512SR 1/2"

Metal case size (mm) :
445 x 135 x 50 (0.106 cuft)



4012MR / 4512MR



4012SR / 4512SR

14 PC.

KT NO.		Contents		
				3.50 kg / 1 / 6
4012MR	○ 4330MR	10, 11, 12, 13, 14, 17, 19, 21, 22, 24	○ 463021R	4768-10F
4512MR	○ 4335MR		○ 463521R	4572-12
4012SR	○ 4330SR	3/8, 7/16, 15/32, 1/2, 9/16, 11/16, 3/4, 13/16, 7/8, 15/16	○ 463021R	4251-05R
4512SR	○ 4335SR		○ 463521R	

4016SR / 4516MR / 4516SR 1/2"

Metal case size (mm) :
370 x 150 x 54 (0.105 cuft)



4516MR



4016SR / 4516SR

16 PC.

KT NO.		Contents		
				3.68 kg / 1 / 6
4016SR	○ 4330SR	3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1-1/16	○ 463021R	4791R, 4779-10FR
4516MR	○ 4335MR	10, 11, 12, 13, 14, 17, 19, 21, 23, 24, 27	○ 463521R	4251-05R
4516SR	○ 4335SR	3/8, 7/16, 15/32, 1/2, 9/16, 5/8, 3/4, 13/16, 15/16, 1, 1-1/16	○ 463521R	4452-15FR

4220MR / 4320MR 1/2"

Metal case size (mm) :
445 x 135 x 50 (0.106 cuft)

KT NO.	Contents			3.83 kg / 1 / 6
4220MR	○ 4330MR	8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24, 27	4755-10G	
4320MR	○ 4335MR		4251-05R, 4251-10R	4791R



20 PC.

4325MR 1/2"

Metal case size (mm) :
445 x 187 x 50 (0.147 cuft)

Contents			5.3 kg / 1 / 4
○ 4335MR	10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32		
4779-10GR	4251-05R, 4251-10R	4791R	
4311-16G	4572-10		



24 PC.

Socket Set

4030CR

4030CR01 1/2"

Metal case size (mm) :
445 x 187 x 50 (0.147 cuft)


4030CR


4030CR01

30 PC.

KT NO.			Contents				kg	
4030CR	○	4330MR	10, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 23, 24, 30, 32	4768-10P	4452-15FR	4791R	4.90	1 / 4
4030CR01	○	4330SR	7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1	4779-10GR	4251-05R	4813	4.92	

4024MR
4033MR
4024SR
4033SR
4524MR
4533MR
4524SR
4533SR 1/2"

Metal case size (mm) :
445 x 187 x 50 (0.147 cuft)


4024SR / 4524SR


4024MR / 4524MR


4033SR / 4533SR


4033MR / 4533MR

24 PC.

KT NO.			Contents				kg 5.7	1 / 4
4033SR	○	4330SR	5/16, 3/8, 7/16, 15/32, 1/2, 9/16, 19/32, 5/8, 11/16, 3/4, 25/32, 13/16, 7/8, 15/16, 1, 1-1/16, 1-3/16, 1-1/4	○ 463021R	4779-10BR	4121-11GR		
4533SR	○	4335SR		○ 463521R				
4033MR	○	4330MR	10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32	○ 463021R		4223-02R		
4533MR	○	4335MR		○ 463521R				
4024SR	○	4330SR	3/8, 7/16, 15/32, 1/2, 9/16, 19/32, 5/8, 11/16, 3/4, 25/32, 13/16, 7/8, 15/16, 1, 1-1/16, 1-1/8, 1-3/16, 1-1/4	○ 463021R		4573-10		
4524SR	○	4335SR		○ 463521R				
4024MR	○	4330MR	10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32	○ 463021R	4725-12BR	4583-12R		
4524MR	○	4335MR		○ 463521R				

4523MRV01

Tray category #8 (375 x 187mm) 1/2"

Plastic case size (mm) :
389 x 230 x 66 (0.208 Cuft)

Contents			kg 3.88	1 / 6
○	4335MR	8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24, 27, 30, 32		
	4771-10GR		4791R	
	4572-10		4251-05R 4251-10R	



23 PC.

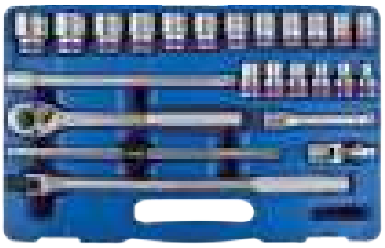
Socket Set

4526MR15 — 1/2"

Blow case size (mm) :
422 x 275 x 85 (0.35 Cuft)

Contents — 5.05 kg — 1 / 4

4335MR	8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 23, 24, 27, 30, 32
4779-10FR	4572-12
4452-15FR	4791R, 4251-05R, 4251-10R



24 PC.

4026MR / 4026SR / 4526MR / 4526SR / 4026MR03 / 4026SR03 / 4526MR03 / 4526SR03

4026MR04 — 1/2"

Metal case size (mm) :
445 x 187 x 50 (0.147 cuft)



4026MR / 4526MR



4026SR / 4526SR

24 PC.



4026SR03 / 4526SR03



4026MR03 / 4526MR03



4026MR04

KT NO.	Contents				5.95 kg — 1 / 4
4026MR	4330MR	10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32	463021R	4768-10F	
4526MR	4335MR		463521R		
4026MR03	4330MR	8, 10, 11, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32	4791R	4779-10GR	4452-15FR
4526MR03	4335MR				4572-12
4026MR04	4330MR			4755-10G	4251-05R 4251-10R
4026SR	4330SR	5/16, 3/8, 7/16, 15/32, 1/2, 9/16, 19/32, 5/8, 11/16, 3/4, 25/32, 13/16, 7/8, 15/16, 1, 1-1/16, 1-3/16, 1-1/4	463021R	4768-10F	
4526SR	4335SR		463521R		
4026SR03	4330SR		4791R	4779-10GR	
4526SR03	4330MR				

Socket Set

4028MR / 4028SR / 4528MR / 4528SR 1/2"

Metal case size (mm) :
445 x 187 x 50 (0.147 cuft)



4028MR / 4528MR



4028SR / 4528SR

24 PC.

KT NO.		Contents			
4028MR	○ 4330MR	10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32	○ 463021R	4779-10GR	4791R 4251-05R 4251-10R 4572-10
4528MR	○ 4335MR		○ 463521R		
4028SR	○ 4330SR	3/8, 7/16, 15/32, 1/2, 9/16, 19/32, 5/8, 11/16, 3/4, 25/32, 13/16, 7/8, 15/16, 1, 1-1/16, 1-1/8, 1-3/16, 1-1/4	○ 463021R	4779-10GR	
4528SR	○ 4335SR		○ 463521R		

Kg 5.3 1 / 4

4032MR / 4032SR / 4532MR / 4532SR 1/2"

Metal case size (mm) :
445 x 187 x 50 (0.147 cuft)



4032MR / 4532MR



4032SR / 4532SR

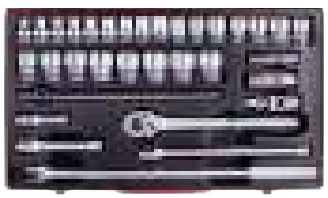
24 PC.

KT NO.		Contents			
4032MR	○ 4330MR	10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32	○ 463021R	4779-10FR	4251-05R 4251-10R
4532MR	○ 4335MR		○ 463521R		
4032SR	○ 4330SR	5/16, 3/8, 7/16, 15/32, 1/2, 9/16, 19/32, 5/8, 11/16, 3/4, 25/32, 13/16, 7/8, 15/16, 1, 1-1/16, 1-3/16, 1-1/4	○ 463021R	4452-15FR	4791R
4532SR	○ 4335SR		○ 463521R		

Kg 5.3 1 / 4

4034MR / 4534MR / 4535MR 1/2"

Metal case size (mm) :
476 x 282 x 57 (0.147 cuft)



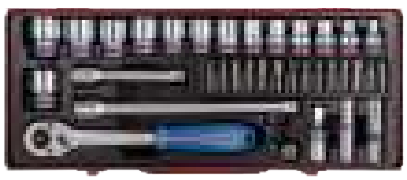
4034MR / 4534MR

33 PC.

KT NO.		Contents		
4034MR	○ 4330MR	8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32	○ 463021R	○ 463516R 4452-18FR 4572-12 4779-10FR 4791R 4251-03R 4251-05R 4251-10R
4534MR	○ 4335MR		○ 463521R	

Kg 7.6 1 / 2

Metal case size (mm) :
445 x 187 x 50 (0.147 Cuft)



35 PC.

Contents

Kg 4.46 1 / 4

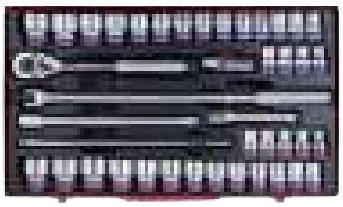
○	4335MR	10, 11, 12, 13, 14, 15, 17, 19, 21, 22, 24, 27, 30, 32
◉	1836H	H5, H6, H7, H8, H10, H12
✱	1836T	T25, T27, T30, T40, T45, T50
⊕	1836P	PH2, PH3
○	463516R	○ 463514RC

4251-05R
4251-10R
4771-10GR
4794
414810S

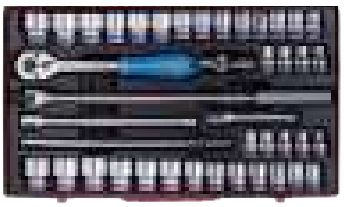
Socket Set

4042CR / 4042CR02 / 4542CR / 4542CR02 1/2"

Metal case size (mm) :
476 x 282 x 57 (0.27 cuft)



4042CR / 4542CR



4042CR02 / 4542CR02

42 PC.

| KT NO. | Contents | | |

Socket Set

41517MRV new 1/2"

Contents — 4.26 kg — 1 / 1

○	4335MR	10, 11, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24
	4771-10GR	4251-05R, 4791R
	3611-08R	6111-06



41542MRV new 1/2"

Contents — 6.65 kg — 1 / 1

○	4335MR	10, 11, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24
⊕	1421	PH0 x 60, PH1 x 80, PH2 x 100
⊖	1422	3 x 75, 5.5 x 100, 6.5 x 150
✱	1130MR	H2.5, H3, H4, H5, H6, H8, H10
	1062	8, 9, 10, 11, 12, 13, 14, 17, 18, 19, 22, 24
	4771-10GR	4251-05R, 4791R
	3611-08R	6111-06



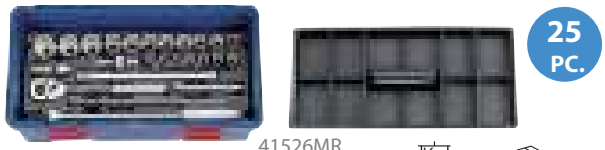
41026MR

Plastic case size (mm) :
445 x 240 x 206 (0.78 cuft)



41026MR

41526MR 1/2"



41526MR

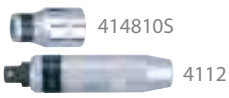
KT NO.	Contents							Kg	
41026MR	○ 4330MR	10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32	○ 463021R	4768-10F	4452-15FR	4572-12	4791R	5.7	1
41526MR	○ 4335MR		○ 463521R	4251-05R 4251-10R					



Impact Driver Set

4108FR

Metal case size (mm) :
190 x 60 x 48 (0.019 cuft)



4111FR

4112FR 1/2"



4108FR 4111FR 4112FR

KT NO.	PC.	Contents						Kg	
4108FR	8	⊖ 1836S 9, 11	⊕ 1836P PH2, PH3	⊕ 1880P PH2, PH3	4112			1.04	1 / 24
4111FR	6	⊖ 1880S 8, 10	⊕ 1880P PH2, PH3					1.00	
4112FR	6	⊖ 1836S 9, 11	⊕ 1836P PH2, PH3		414810S			1.00	

4505MR

Metal case size (mm) :
246 x 103 x 38 (0.034 cuft)

KT NO.	Contents					Kg	
4505MR	○ 4335MR	8, 10 12, 14	⊖ 1836S 9, 11	4112		1.6	1 / 12
4505SR	○ 4335SR	5/16, 3/8 1/2, 9/16	⊕ 1836P PH2, PH3	414810S			

4505SR 1/2"

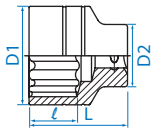


4505MR 4505SR

Standard Socket

6330M

- Metric-DIN 3124, ISO 2725-1
- Inch-ANSI / ASME B107.1





KT NO.	mm	D1 mm	D2 mm	ℓ mm	L mm	g	
633017M	17	26.0	32.7	14	51	187	8 / 96
633019M	19	30.0	32.7	14	51	207	8 / 96
633021M	21	32.0	32.7	16	51	210	8 / 96
633022M	22	33.0	35.7	16	51	209	8 / 96
633023M	23	34.0	35.7	16	51	216	8 / 96
633024M	24	35.0	35.7	17	51	219	8 / 96
633026M	26	35.7	35.0	17	52	243	8 / 96
633027M	27	38.0	36.0	19	52	238	8 / 96
633028M	28	39.0	36.0	19	52	233	8 / 96
633029M	29	40.0	38.0	19	52	261	8 / 96
633030M	30	42.0	38.0	21	54	295	6 / 48
633032M	32	44.0	38.0	23	56	317	6 / 48
633033M	33	46.0	39.0	23	56	351	6 / 48
633034M	34	47.0	42.0	24	57	400	6 / 48
633035M	35	48.0	42.0	25	58	406	6 / 36
633036M	36	50.0	42.0	25	58	434	6 / 36
633038M	38	52.0	45.0	27	60	497	6 / 36
633041M	41	56.0	45.0	29	64	581	4 / 32
633042M	42	57.0	45.0	29	64	591	4 / 32
633046M	46	62.0	48.0	33	68	724	4 / 32
633048M	48	64.0	48.0	34	70	775	2 / 24
633050M	50	68.0	48.0	34	72	889	2 / 24
633054M	54	72.0	50.0	35	75	1070	1 / 20
633055M	55	74.0	50.0	37	76	1115	1 / 20
633058M	58	77.0	50.0	37	78	905	1 / 20
633060M	60	80.0	50.0	40	78	1250	1 / 20
633063M	63	83.0	55.0	40	81	1445	1 / 12
633065M	65	85.0	58.0	43	83	1565	1 / 12
633070M	70	92.0	58.0	46	88	1875	1 / 12

6330S 3/4"



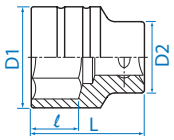
KT NO.	inch	D1 mm	D2 mm	ℓ mm	L mm	g	
633022S	11/16	26	35.7	14	50.8	195	8 / 96
633024S	3/4	30	35.7	14	50.8	225	8 / 96
633026S	13/16	32	35.7	16	50.8	228	8 / 96
633028S	7/8	33	35.7	16	51.0	230	8 / 96
633030S	15/16	35	35.7	17	51.0	240	8 / 96
633032S	1	35	35.7	17	52.0	242	8 / 96
633034S	1-1/16	38	36.0	19	52.0	238	8 / 96
633036S	1-1/8	40	38.0	19	52.0	261	8 / 96
633038S	1-3/16	42	38.0	21	54.0	295	6 / 48
633040S	1-1/4	44	38.0	23	56.0	317	6 / 48
633042S	1-5/16	46	39.0	23	56.0	351	6 / 48
633044S	1-3/8	48	42.0	25	58.0	406	6 / 36
633046S	1-7/16	50	42.0	25	58.0	434	6 / 36
633048S	1-1/2	52	45.0	27	60.0	497	6 / 36
633050S	1-9/16	54	45.0	28	62.0	537	4 / 32
633052S	1-5/8	56	45.0	29	64.0	581	4 / 32
633054S	1-11/16	58	45.0	29	65.0	591	4 / 32
633056S	1-3/4	60	48.0	31	66.0	657	4 / 32
633058S	1-13/16	62	48.0	34	68.0	724	4 / 32
633060S	1-7/8	64	48.0	34	70.0	775	2 / 24
633062S	1-15/16	66	48.0	34	70.0	832	2 / 24
633064S	2	68	48.0	34	72.0	889	2 / 24
633066S	2-1/16	70	50.0	35	74.0	950	1 / 20
633068S	2-1/8	72	50.0	35	75.0	1020	1 / 20
633070S	2-3/16	74	50.0	37	76.0	1120	1 / 20
633072S	2-1/4	76	50.0	37	76.0	1120	1 / 20
633074S	2-5/16	78	50.0	37	78.0	1160	1 / 20
633076S	2-3/8	80	50.0	40	78.0	1240	1 / 20
633078S	2-7/16	82	55.0	40	81.0	1366	1 / 12
633080S	2-1/2	84	55.0	40	81.0	1460	1 / 12
633082S	2-9/16	85	58.0	43	83.0	1510	1 / 12
633084S	2-5/8	86	58.0	43	83.0	1510	1 / 12
633086S	2-11/16	90	58.0	43	85.0	1555	1 / 12
633088S	2-3/4	92	58.0	46	88.0	1865	1 / 12



Standard Socket

6335M — 3/4"

- DIN 3124, ISO 2725-1





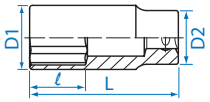
KT NO.	mm	D1 mm	D2 mm	ℓ mm	L mm	g	
633517M	17	26.0	32.7	14	51	187	8 / 96
633518M	18	28.0	32.7	14	51	196	8 / 96
633519M	19	30.0	32.7	14	51	207	8 / 96
633520M	20	31.0	32.7	16	51	209	8 / 96
633521M	21	32.0	32.7	16	51	210	8 / 96
633522M	22	33.0	35.7	16	51	209	8 / 96
633523M	23	34.0	35.7	16	51	216	8 / 96
633524M	24	35.0	35.7	17	51	219	8 / 96
633525M	25	35.0	35.7	17	52	240	8 / 96
633526M	26	35.7	35.0	17	52	243	8 / 96
633527M	27	38.0	36.0	19	52	238	8 / 96
633528M	28	39.0	36.0	19	52	233	8 / 96
633529M	29	40.0	38.0	19	52	261	8 / 96
633530M	30	42.0	38.0	21	54	295	6 / 48
633531M	31	43.0	38.0	23	55	305	6 / 48
633532M	32	44.0	38.0	23	56	317	6 / 48
633533M	33	46.0	39.0	23	56	351	6 / 48
633534M	34	47.0	42.0	24	57	400	6 / 48
633535M	35	48.0	42.0	25	58	406	6 / 36
633536M	36	50.0	42.0	25	58	434	6 / 36
633537M	37	51.0	45.0	25	59	485	6 / 36
633538M	38	52.0	45.0	27	60	497	6 / 36
633539M	39	53.0	45.0	28	61	520	4 / 32
633540M	40	54.0	45.0	28	62	540	4 / 32
633541M	41	56.0	45.0	29	64	581	4 / 32
633542M	42	57.0	45.0	29	64	591	4 / 32
633543M	43	58.0	45.0	29	65	620	4 / 32
633544M	44	60.0	48.0	31	66	695	4 / 32
633545M	45	61.0	48.0	33	67	715	4 / 32
633546M	46	62.0	48.0	33	68	724	4 / 32
633547M	47	63.0	48.0	33	69	755	4 / 32
633548M	48	64.0	48.0	34	70	775	2 / 24
633549M	49	66.0	48.0	34	70	810	2 / 24
633550M	50	68.0	48.0	34	72	889	2 / 24
633551M	51	69.0	50.0	35	73	895	1 / 20
633552M	52	69.0	50.0	35	73	905	1 / 20
633553M	53	70.0	50.0	35	74	975	1 / 20
633554M	54	72.0	50.0	35	75	1010	1 / 20
633555M	55	74.0	50.0	37	76	1095	1 / 20
633556M	56	75.0	50.0	37	76	1145	1 / 20
633557M	57	76.0	50.0	37	76	1195	1 / 20
633558M	58	77.0	50.0	37	78	1225	1 / 20
633559M	59	78.0	50.0	37	78	1250	1 / 20
633560M	60	80.0	50.0	40	78	1275	1 / 20
633562M	62	82.0	55.0	40	81	1340	1 / 12
633563M	63	83.0	55.0	40	81	1390	1 / 12
633564M	64	84.0	55.0	40	81	1380	1 / 12
633565M	65	85.0	58.0	43	83	1510	1 / 12
633570M	70	92.0	58.0	46	88	1805	1 / 12

Deep Socket

KT No. & D1

6230M — 3/4"

- DIN 3124, ISO 2725-1

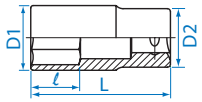


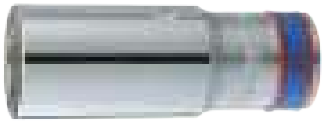


KT NO.	mm	D1 mm	D2 mm	ℓ mm	L mm	g	
623032M	32	44.0	38.0	34	90	580	1 / 24
623033M	33	46.0	39.0	34	90	646	1 / 24
623036M	36	50.0	42.0	37	90	724	1 / 24
623039M	39	53.0	45.0	41	90	935	1 / 24
623041M	41	56.0	45.0	41	90	864	1 / 24
623046M	46	62.0	48.0	46	95	1093	1 / 10
623050M	50	68.0	48.0	50	95	1220	1 / 10

6235M — 3/4"

- DIN 3124, ISO 2725-1





KT NO.	mm	D1 mm	D2 mm	ℓ mm	L mm	g	
623517M	17	26.0	32.7	20	90	388	2 / 48
623518M	18	28.0	32.7	20	90	411	2 / 48
623519M	19	30.0	32.7	20	90	437	2 / 48
623520M	20	31.0	32.7	22	90	440	2 / 48
623521M	21	32.0	32.7	22	90	444	2 / 48
623522M	22	33.0	35.7	22	90	460	2 / 48
623523M	23	34.0	35.7	24	90	462	2 / 48
623524M	24	35.0	35.7	24	90	477	2 / 48
623525M	25	35.0	35.7	25	90	464	2 / 48
623526M	26	35.7	35.0	25	90	433	1 / 24
623527M	27	38.0	36.0	28	90	431	1 / 24
623528M	28	39.0	36.0	28	90	477	1 / 24
623529M	29	40.0	38.0	28	90	502	1 / 24
623530M	30	42.0	38.0	31	90	584	1 / 24
623531M	31	43.0	38.0	34	90	580	1 / 24
623532M	32	44.0	38.0	34	90	580	1 / 24
623533M	33	46.0	39.0	34	90	646	1 / 24
623534M	34	47.0	42.0	34	90	717	1 / 24
623535M	35	48.0	42.0	37	90	677	1 / 24
623536M	36	50.0	42.0	37	90	724	1 / 24
623537M	37	51.0	45.0	37	90	891	1 / 24
623538M	38	52.0	45.0	41	90	913	1 / 24
623539M	39	53.0	45.0	41	90	935	1 / 24
623540M	40	54.0	45.0	41	90	911	1 / 24
623541M	41	56.0	45.0	41	90	864	1 / 24
623542M	42	57.0	45.0	46	95	913	1 / 24
623543M	43	58.0	45.0	46	95	971	1 / 10
623544M	44	60.0	48.0	46	95	1066	1 / 10
623545M	45	61.0	48.0	46	95	1073	1 / 10
623546M	46	62.0	48.0	46	95	1093	1 / 10
623547M	47	63.0	48.0	46	95	1102	1 / 10
623548M	48	64.0	48.0	50	95	1093	1 / 10
623549M	49	66.0	48.0	50	95	1035	1 / 10
623550M	50	68.0	48.0	50	95	1220	1 / 10
623551M	51	69.0	50.0	50	95	1282	1 / 10
623552M	52	69.0	50.0	50	95	1244	1 / 10
623553M	53	70.0	50.0	50	95	1262	1 / 10
623554M	54	72.0	50.0	50	95	1342	1 / 10
623555M	55	74.0	50.0	50	95	1268	1 / 10
623556M	56	75.0	50.0	50	95	1440	1 / 10
623557M	57	76.0	50.0	52	100	1555	1 / 10
623558M	58	78.0	50.0	52	100	1540	1 / 10
623559M	59	78.0	50.0	52	100	1604	1 / 10
623560M	60	80.0	50.0	53	100	1662	1 / 10
623563M	63	83.0	55.0	53	100	1680	1 / 6
623565M	65	85.0	58.0	55	100	1735	1 / 6
623570M	70	92.0	58.0	55	100	1979	1 / 6

Bit Socket

6023 3/4"

- For torx internal screw
- DIN 3120
- E.g. on commercial vehicles and agricultural machinery
- Screw of the steering tie lever on commercial vehicles MAN
  602380: for M series
  6023A0: for F series


602360 6023A0

KT NO.	Size	L mm	g	
602360	T60	80	250	2/48
602370	T70	80	255	2/48
602380	T80	80	320	2/48
602390	T90	80	330	2/48
6023A0	T100	80	349	2/48

6025 3/4"

- HEXAGON head
- DIN 7422



602514 602519

KT NO.	mm	L mm	g	
602514	H14	80	258	2 / 48
602517	H17	80	269	2 / 48
602519	H19	80	278	2 / 48
602522	H22	80	359	2 / 48

Ratchet

6724 3/4"

- Reversible ratchet
- 8° gear action degree (45 teeth)
- DIN 3122


6724DK



KT NO.	Overall length inch	mm	g	
6724-20F	20	500	2300	1 / 6
6724DK	renewal kits		-	-

6778 new 3/4"

- Quick release reversible ratchet
- 15° gear action degree (24 teeth)
- DIN 3122


6778DK



KT NO.	Overall length inch	mm	g	
6778-20FS	20	500	2612	1 / 6
6778DK	renewal kits		-	-

Ratchet & Accessory

6779 3/4"

- Reversible ratchet
- 15° gear action degree (24 teeth)
- DIN 3122


6779DK

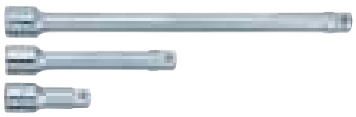


KT NO.	Overall length inch	mm	g	
6779-20F	20	500	2349	1 / 6
6779DK	renewal kits		-	-

6251 3/4"


KT No. & D1

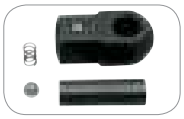
- Extension bar
- DIN 3123



KT NO.	Overall length inch	mm	g	
6251-04	4	100	400	4 / 40
6251-08	8	200	732	2 / 20
6251-16	16	400	1362	1 / 10

6452 3/4"

- Flexible handle
- Action degree -180°
- DIN 3122

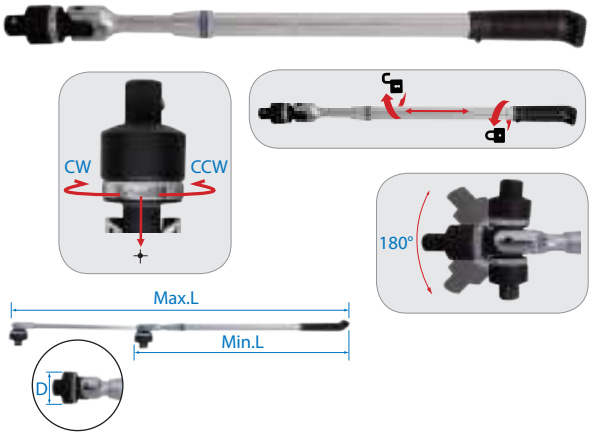

6452DK



KT NO.	Overall length inch	mm	g	
6452-18F	18	450	1717	1 / 10
6452-30F	30	750	2813	1 / 8
6452DK	renewal kits		-	-

6482 new 3/4"

- 180° swivel ratchet head
- 3 position ratchet control: forward/reverse/lock
- Telescopic handle:610 mm-960 mm
- 15° gear action (24 teeth)
- DIN 3122

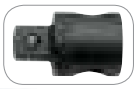


KT NO.	D mm	Min.L inch	Min.L mm	Max.L inch	Max.L mm	kg	
6482-24G	46	24	610	36	960	3	1 / 6
6482DK	renewal kits						

Accessory

6572 3/4"

- Sliding T-handle
- DIN 3122





6572DK

KT NO.	Overall length inch	Overall length mm	g	
6572-20	20	500	1542	1 / 10
6572DK	renewal kits		-	-

6581 3/4"

- 90° L-handle



KT NO.	Overall length inch	Overall length mm	g	
6581-12	12	300	1307	10
6581-18	18	450	1850	12

6585 3/4"

- Double driver L-handle 90°



KT NO.	Overall length inch	Overall length mm	g	
6585-19	19	478	2021	12

6791 3/4"

- Universal joint
- DIN 3123, ISO 3316





KT No. & D1

KT NO.	Overall length inch	Overall length mm	g	
6791	4-1/4	108	590	2 / 20

6814

- Adapter
- Convert to 1/2" drive or 1" drive
- 6814→Max. torque : 512 Nm
- DIN 3123, ISO 3316

6818 3/4"



KT No. & D1

1/2" drive(M)
1" drive(M)



3/4" drive(F)

6814 / 6818

KT NO.	Spec.	g	
6814	3/4"F x 1/2"M	131	8 / 96
6818	3/4"F x 1"M	304	6 / 60

Socket Rail

876D1 new 3/4"

- Socket rail carrier with retaining clip
- 26" roller cabinet





KT NO.	Square drive	Clip	L (mm)
8760807D1	3/4"	7	508

Socket Set

6014MR

Metal case size (mm) :
537 x 177 x 78 (0.26 cuft)

6314MR 3/4"

14 PC.

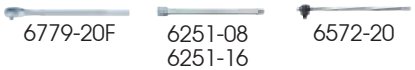


6014MR



6314MR

KT NO.		Contents	Kg	
6014MR	6330M	22, 24, 27, 30, 32, 36, 38, 41, 46, 50	13.8	1
6314MR	6335M			



6779-20F, 6251-08, 6251-16, 6572-20

6016MR

Metal case size (mm) :
537 x 177 x 78 (0.26 cuft)

6316MR

6016SR 3/4"

16 PC.

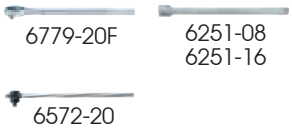


6316MR



6016MR/6016SR

KT NO.		Contents	Kg	
6016MR	6330M	21, 22, 23, 24, 27, 30, 32, 36, 38, 41, 46, 50	14.0	1
6316MR	6335M			
6016SR	6330S	7/8, 15/16, 1, 1-1/16, 1-1/8, 1-1/4, 1-3/8, 1-1/2, 1-5/8, 1-3/4, 1-7/8, 2		



6779-20F, 6251-08, 6251-16, 6572-20

Socket Set

6023MR / 6323MR / 6023SR 3/4"

Metal case size (mm) :
537 x 177 x 78 (0.26 cuft)



6323MR



6023MR/6023SR

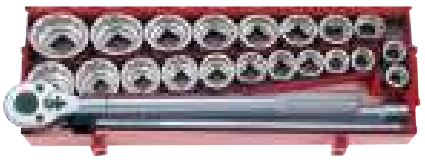
23 PC.

KT NO.		Contents	
6023MR	○ 6330M	21, 22, 23, 24, 26, 27, 28, 29, 30, 32, 34, 35, 36, 38, 41, 46, 50	6779-20F, 6251-04, 6251-08, 6251-16
6323MR	○ 6335M		
6023SR	○ 6330S	7/8, 15/16, 1, 1-1/16, 1-1/8, 1-3/16, 1-1/4, 1-5/16, 1-3/8, 1-7/16, 1-1/2, 1-9/16, 1-5/8, 1-3/4 1-13/16, 1-7/8, 2	6572-20, 6791

17.1 | 1

6224CR 3/4"

Metal case size (mm) :
537 x 177 x 78 (0.26 cuft)



24 PC.

KT NO.		Contents	
6224CR	○ 6330M	22, 24, 27, 30, 32, 36, 38, 41, 46, 50	6779-20F, 6251-08, 6251-16, 6572-20
	○ 6330S	1, 1-1/8, 1-1/4, 1-5/16, 1-3/8, 1-7/16, 1-1/2, 1-5/8, 1-3/4, 2	

17.9 | 1

6226CR 3/4"

Metal case size (mm) :
537 x 177 x 78 (0.26 cuft)



26 PC.

KT NO.		Contents	
6226CR	○ 6330M	22, 24, 27, 30, 32, 36, 38, 41, 46, 50	6251-04, 6251-08, 6572-20, 6452-18F
	○ 6330S	7/8, 15/16, 1, 1-1/8, 1-3/16, 1-5/16, 1-3/8, 1-7/16, 1-5/8, 1-3/4, 1-7/8, 2	

17.2 | 1

6014MR12 3/4"

Blow case size(mm) :
422 x 372 x 92 (0.51 cuft)



14 PC.

Contents — 10.8 | 1 / 2

○ 6330M	22, 24, 27, 30, 32, 36, 38, 41, 46, 50
6251-04, 6251-08	6779-20F
6572-20	

6314MR12 3/4"

Blow case size(mm) :
422 x 372 x 92 (0.51 cuft)



14 PC.

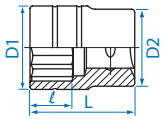
Contents — 10.8 | 1 / 2

○ 6335M	22, 24, 27, 30, 32, 36, 38, 41, 46, 50
6251-04, 6251-08	6779-20F
6572-20	

Socket Set

8330M — 1"

- DIN 3124, ISO 2725-1

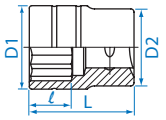




KT NO.	mm	D1 mm	D2 mm	ℓ mm	L mm	g	
833036M	36	52	48	26	65	449	1 / 24
833038M	38	54	48	26	65	478	1 / 24
833041M	41	58	50	29	70	557	1 / 24
833046M	46	65	54	32	75	849	1 / 24
833050M	50	70	54	34	75	996	1 / 20
833054M	54	74	57	38	80	1145	1 / 20
833055M	55	76	57	42	83	1206	1 / 12
833058M	58	79	57	42	83	1263	1 / 12
833060M	60	82	58	46	87	1470	1 / 12
833063M	63	86	58	46	87	1555	1 / 12
833065M	65	88	65	49	90	1670	1 / 12
833067M	67	91	70	49	91	1670	1 / 12
833070M	70	94	70	50	93	2100	1 / 8
833071M	71	95	70	50	93	2068	1 / 8
833075M	75	100	70	50	95	2310	1 / 8
833077M	77	103	80	52	100	2557	1 / 8
833080M	80	107	80	52	100	2580	1 / 8

8330S — 1"

- ANSI / ASME B107.1



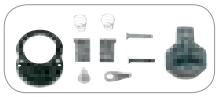


KT NO.	inch	D1 mm	D2 mm	ℓ mm	L mm	g	
833046S	1-7/16	52	48	26	65	463	1 / 24
833048S	1-1/2	54	48	26	65	489	1 / 24
833054S	1-11/16	60	54	29	70	680	1 / 24
833060S	1-7/8	67	54	34	75	976	1 / 10
833064S	2	71	54	34	75	988	1 / 10
833072S	2-1/4	78	57	42	83	1212	1 / 12
833076S	2-3/8	82	58	46	87	1437	1 / 12
833084S	2-5/8	90	65	49	90	1693	1 / 12
833094S	2-15/16	100	70	52	95	2242	1 / 8
8330A0S	3-1/8	107	80	52	100	2578	1 / 8

Ratchet

8779 — 1"

- Reversible ratchet
- 15° gear action degree (24 teeth)
- DIN 3122



8779DK



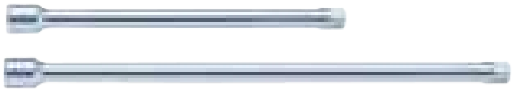
KT NO.	Overall legth inch	Overall legth mm	g	
8779-32F	32	800	4400	5
8779DK	renewal kits		-	-

Accessory

- Chrome vanadium handle, chrome molybdenum driver
- Chrome plated handle & black phosphate sunk driver

8251 — 1"

- Extension bar
- DIN3123



KT NO.	Overall length inch	Overall length mm	g	
8251-08	8	200	1350	1 / 16
8251-16	16	400	2480	1 / 10

8572 — 1"

- Sliding T-handle
- DIN 3122



8572DK



KT NO.	Overall length inch	Overall length mm	g	
8572-25	25	630	4200	6
8572DK	renewal kits		-	-

8581 — 1"

- L-handle
- DIN 3122



KT NO.	Overall length inch	Overall length mm	g	
8581-26	26	650	5120	4

8816 — 1"

- Adapter
- Convert to 3/4" drive
- Max. torque : 1412 Nm
- DIN 3123, ISO 3316

3/4" drive(M)



← 1" drive(F)

KT NO.	Spec.	g	
8816	1"F x 3/4"M	330	6 / 48

Socket Set

8015MR

Metal case size (mm) :
660 x 205 x 108 (0.52 cuft)

8015SR 1"



14 PC.

KT NO.		Contents	34.1	1
8015MR	8330M	36, 41, 46, 50, 55, 60, 65, 70, 75, 80	8779-32F	8251-08 8251-16
8015SR	8330S	1-7/16, 1-1/2, 1-11/16, 1-7/8, 2, 2-1/4, 2-3/8, 2-5/8, 2-15/16, 3-1/8		8572-25

Socket Rail Set

7112PR

- Socket rail 260mmL
  - Rail with 5 PC. 3/8" & 6 PC. 1/2" drive clip

12 PC.



Contents		0.76	24
3375M	E4, E5, E6, E8		
4375M	E10, E12, E14, E16, E18, E20		
3571-08	8771011	3814	

7113PR 3/8"+1/2"

- Socket rail 260mmL
  - Rail with 6 PC. 3/8" drive & 6 PC. 1/2" drive clip

12 PC.



Contents		0.6	32
3375M	E4, E5, E6, E7, E8, E11		
4375M	E10, E12, E14, E16, E18, E20		
8771012			

Socket Set

5022MR

Metal case size (mm) :
285 x 135 x 45 (0.059 cuft)

5522MR

5022SR 1/4"+3/8"

21 PC.



5022MR / 5522MR



5022SR

KT NO.		Contents			1.60	1 / 10
5022MR	3330M	10, 11, 12, 13, 14, 17, 19	2335M	363021	3769-08F	3221-03 3221-06
5522MR	3335M		4, 5, 5.5, 6, 7, 8, 9	363521		
5022SR	2335S	5/32, 3/16, 7/32, 1/4, 9/32, 5/16, 11/32			363516	3812
	3330S	3/8, 7/16, 15/32, 1/2, 9/16, 11/16, 3/4	363021		2179DF	

Socket Set

5039CR 1/4"+3/8"

Metal case size (mm) :
318 x 147 x 46 (0.076 cuft)

39 PC.



Contents		2.60 kg / 1 / 10
2335M		4.5, 5, 6, 7, 8, 9, 10, 11, 12
2335S		3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2
3330M		9, 10, 11, 12, 13, 14, 16, 17, 19
3330S		3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4

3769-08F, 3221-03, 2179DF, 363021, 3812

5092CR 1/4"+3/8"

Metal case size (mm) :
445 x 187x 50 (0.147 cuft)

91 PC.



Contents		4.4 kg / 1 / 4
2335M		4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13
2335S		5/32, 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2
2235M		4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13
2235S		5/32, 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2
3330M		8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22
2015MX		H3, H4, H5, H6, H8, H10
2015SX		1/8, 3/16, 7/32, 1/4, 5/16, 3/8
2011X		PH1, PH2, PH3, PH4
1115-03		H1.5, H2, H2.5

3769-08F, 2571-45, 2452-05F, 2179DF

363516, 3792, 3812, 2221-02, 2221-04, 3221-03, 3221-06

3840 3/8" drive spin disc.

2561 cross bar. 4-1/2"L

7558MR 1/4"+1/2"

Metal case size (mm) :
445 x 187 x 50 (0.147 cuft)

58 PC.



Contents		3.8 kg / 1 / 4
2335M		4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14
4335MR		8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24
1025S		4, 6, 8
1025P		PH1, PH2, PH3
1025H		H3, H4, H5, H6, H7, H8
1025U		T10H, T15H, T20H, T25H, T27H, T30H, T40H
1025Z		PZ1, PZ2, PZ3

2779-55G, 4779-10GR, 2792, 4791R, 2141

2221-02 2221-04, 4251-05R, 2179DF

7120PR 7120PR01 3/8"+1/2"

Metal case size (mm) :
296 x 130 x 41 (0.056 cuft)

20 PC.



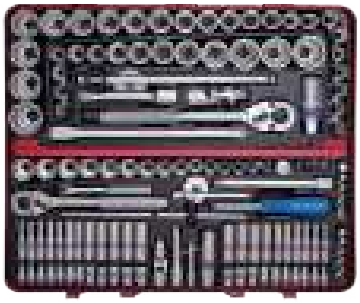
KT NO.	Contents		1.79 kg / 1 / 10
7120PR	4023	T30, T40, T45, T50, T55	3375M E6, E7, E8, E10 4375M E12, E14, E16, E18, E20
7120PR01	4027	T30H, T40H, T45H, T50H, T55H	3023 T10, T15, T20, T25, T27 4813

Socket Set

9033CR 1/4"+3/8"+1/2"

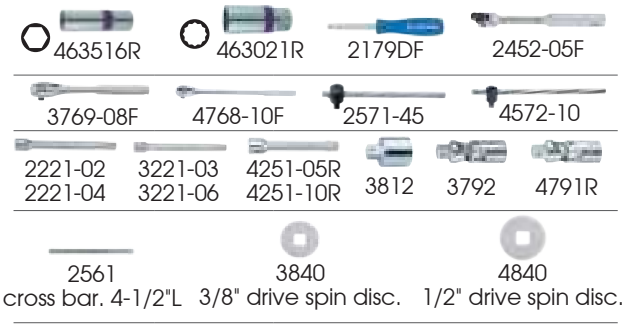
Metal case size (mm) :
450 x 370 x 56 (0.329 cuft)

Contents		12.3 kg / 1 / 2
○	2335M	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13
○	2335S	5/32, 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2
○	2235M	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13
○	2235S	5/32, 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2
○	3330M	8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22
○	4330MR	8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 30, 32
○	4330SR	3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1-1/8, 1-3/16, 1-1/4
●	2015MX	H3, H4, H5, H6, H8, H10
●	2015SX	1/8, 3/16, 7/32, 1/4, 5/16, 3/8
⊕	2011X	PH1, PH2, PH3, PH4
●	1115-03	H1.5, H2, H2.5



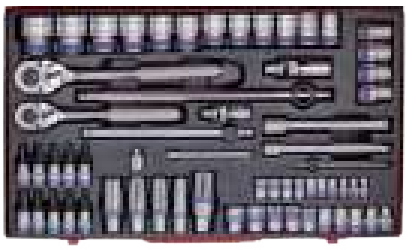
135 PC.

Contents

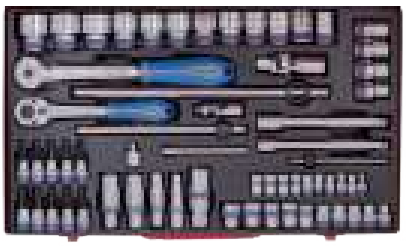


9063MR
9563MR
9063MR01
9563MR01 1/4"+3/8"+1/2"

Metal case size (mm) :
476 x 282 x 57 (0.27 cuft)



9063MR/9563MR



9063MR01/9563MR01

62 PC.

KT NO.			Contents			7.4 kg / 1 / 2
9063MR	○ 4330MR ○ 3330M	4330MR / 4335MR 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32 3330M / 3335M 8, 9, 10, 11, 12, 13, 14, 15, 17, 19	○ 363021	4768-10F 3769-08F	○ 2335M	4, 4.5, 5, 6, 7, 8, 9, 10, 11, 12
9563MR	○ 4335MR ○ 3335M		○ 363521	○ 3235M 12, 14, 17, 19	● 3023	T20, T25, T27, T30, T40
9063MR01	○ 4330MR ○ 3330M		○ 363021	4755-10G 3779-08G	● 3025	H4, H5, H6, H8, H10
9563MR01	○ 4335MR ○ 3335M		○ 363521	○ 3235M 10, 13, 17, 19	2571-45 3571-08 4572-12 3792 4791R 3812 2221-04 3221-06 4251-06R	

Socket & Tool Set

7096MR

7596MR 1/4"+1/2"

Blow case size (mm) :
422 x 275 x 85 (0.35 cuft)



96 PC.

6.22 1 / 4

KT NO.	Contents		
7096MR	2330M 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14	2031 PH1, PH2	2771-55G
	2230M 6, 7, 8, 9, 10, 11, 12, 13	2032 4, 5.5, 6.5	2178DF
	4230M 14, 15, 17, 19, 22	2033 T8, T10, T15, T20, T25, T27, T30	4771-10G
	4330MR 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24, 27, 30, 32	2035 H3, H4, H5, H6	2571-45
	4630R 16, 21	2038 PZ1, PZ2	4222-10
7596MR	2335M 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14	1836P PH3, PH4	2221-02 2221-04
	2235M 6, 7, 8, 9, 10, 11, 12, 13	1836S 8x1.2, 10x1.6, 12x2.0	4251-05R
	4235M 14, 15, 17, 19, 22	1836T T40, T45, T50, T55	2792 4791R
	4335MR 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24, 27, 30, 32	1836H H7, H8, H10, H12, H14	3824
	4635R 16, 21	1836Z PZ3, PZ4	414810S
		1115-03 1.5, 2, 2.5	7702-25
			2745

Socket & Tool Set

7011MR

7511MR 1/4"+1/2"

Blow case size (mm) :
422 x 275 x 85 (0.35 cuft)


7011MR


7511MR

110 PC.

KT NO. | Contents | 6.90 | 1 / 4

7011MR

- 2330M — 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14
- 2230M — 6, 7, 8, 9, 10, 11, 12, 13
- 4230M — 14, 15, 17, 19, 22
- 4330MR — 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24, 27, 30, 32
- 463016R
- 463021R

7511MR

- 2335M — 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14
- 2235M — 6, 7, 8, 9, 10, 11, 12, 13
- 4235M — 14, 15, 17, 19, 22
- 4335MR — 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24, 27, 30, 32
- 463516R
- 463521R

Contents

- 2375M — E4, E5, E6, E7, E8
- 4375M — E10, E11, E12, E14, E16, E18, E20, E24
- 2031 — PH1, PH2
- 2032 — 4, 5.5, 6.5
- 2033 — T8, T10, T15, T20, T25, T27, T30
- 2035 — H3, H4, H5, H6
- 2038 — PZ1, PZ2
- 1836P — PH3, PH4
- 1836S — 8x1.2, 10x1.6, 12x2.0
- 1836T — T40, T45, T50, T55, T60
- 1836H — H7, H8, H10, H12, H14
- 1836Z — PZ3, PZ4
- 1115-03 — 1.5, 2, 2.5
- 2771-55G
- 4771-10GR
- 2178DF
- 2221-02 / 2221-04
- 4222-10
- 4251-05R
- 2571-45
- 3824
- 414810S
- 2792 / 4791R
- 2745
- 7702-25

Socket & Tool Set

7082MR

7582MR 1/4"+1/2"

Blow case size (mm) :
422 x 275 x 85 (0.35 cuft)

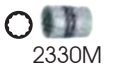
83 PC.





KT NO. | Contents | 5.65 | 1 / 4

7082MR


2330M — 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14


4330MR — 14, 15, 16, 17, 18, 19, 20, 22, 24, 27, 30, 32


463016R


463021R


1060 — 8, 10, 11, 12, 13, 14, 17, 19

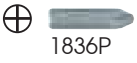

2031 — PH1, PH2

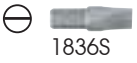

2032 — 4, 5.5, 6.5

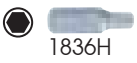

2033 — T8, T10, T15, T20, T25, T27, T30


2035 — H3, H4, H5, H6


2038 — PZ1, PZ2


1836P — PH3, PH4


1836S — 8x1.2, 10x1.6, 12x2.0


1836H — H8, H10, H12, H14


1836T — T40, T45, T50, T55


1836Z — PZ3, PZ4


2771-55G


4771-10G


2178DF

2221-02
2221-04

2312-06


2571-45

4251-05R

4222-10


79831

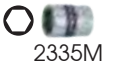

2792
4791R

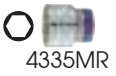

7702-25


3824


414810S

7582MR


2335M — 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14


4335MR — 14, 15, 16, 17, 18, 19, 20, 22, 24, 27, 30, 32


463516R


463521R

Socket Set

7077MR

7577MR 1/4"+1/2"

Blow case size (mm) :
422 x 360 x 110 (0.59 Cuft)

77 PC.



7.52 | 1 / 2

KT NO.	Contents			
7077MR	2330M 4, 5, 6, 7, 8, 9, 10, 11, 12	463016R	1115-03 1.5, 2, 2.5	2771-55G
	2230M 8, 10, 12, 13		1025P PH1, PH2, PH3	4771-10GR
	4330MR 12, 13, 14, 15, 17, 18, 19, 21, 22, 24, 27, 30, 32	463021R	1025S 3, 4, 5, 6	6111-07
			1025H H3, H4, H5, H6	6516-10
			1025T T10, T15, T20, T25, T27, T30, T40	2178DF
			1421 PH1 x 80, PH2 x 100, PH3 x 150	7821-50
			1422 4 x 100, 6.5 x 100	2571-45
			1060 8, 10, 12, 13, 14, 15, 17, 19	2221-03
				2312-06
				4222-10
				4251-05R
				2792 4791R
				3824
				2141
7577MR	2335M 4, 5, 6, 7, 8, 9, 10, 11, 12	463516R		
	2235M 8, 10, 12, 13			
	4335MR 12, 13, 14, 15, 17, 18, 19, 21, 22, 24, 27, 30, 32	463521R		

Socket & Tool Set

7081MR

7581MR

7581MR01 1/4"+1/2"

Blow case size (mm) :
422 x 360 x 110 (0.59 cuft)

81 PC.



7581MR01



7581MR / 7081MR

KT NO. | Contents | 7.14 | 1 / 2

KT NO.				
7081MR	2330M 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13 4330MR 10, 11, 12, 13, 14, 15, 17, 19, 22, 24	4771-10GR	463016R 463021R	1421 PH1 x 80, PH2 x 100 1422 4 x 100, 5.5 x 125, 6.5 x 150 1025H H3, H4, H5, H6, H7, H8 1025T T20, T25, T30, T40 1120MR H1.5, H2, H2.5, H3, H4, H5, H6, H8, H10 1147R T10H, T15H, T20H, T25H, T27H, T30H, T40H 1060 6, 7, 8, 10, 12, 13, 14, 15, 17, 19 276A-04G 6111-06 6311-06 6516-10 76104-05 76215-05 76404-06 2221-04 9DC22 79831 7821-50 4251-05R 750-60 2792 4791R
7581MR	2335M 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13	4771-10GR	463516R	
7581MR01	4335MR 10, 11, 12, 13, 14, 15, 17, 19, 22, 24	4755-10G	463521R	

Socket & Tool Set

7087MR

7587MR01

7587MR

7587SR 1/4"+1/2"

Blow case size (mm) :
422 x 360 x 110 (0.59 cuft)

87 PC.



7087MR / 7587MR



7587MR01



7587SR

KT NO. | Contents | 9.2 | 1 / 2

7087MR

- 2330M: 5, 5.5, 6, 7, 8, 10, 11, 12, 13
- 2230M: 7, 8, 10, 12, 13
- 20107MR01
- 4330MR: 10, 12, 13, 14, 15, 17, 18, 19, 21, 22, 24, 27, 30, 32
- 1060: 8, 10, 12, 13, 14, 15, 17, 18, 19, 22
- 2312-06
- 463016R
- 1636H: H5, H6, H7, H8, H10, H12
- 1636M: M6, M8, M10, M12
- 1636T: T30, T40, T45, T50, T55, T60

7587MR

- 2335M: 5, 5.5, 6, 7, 8, 10, 11, 12, 13
- 2235M: 7, 8, 10, 12, 13
- 4335MR: 10, 12, 13, 14, 15, 17, 18, 19, 21, 22, 24, 27, 30, 32
- 1060: 8, 10, 12, 13, 14, 15, 17, 18, 19, 22
- 2312-06
- 1421: PH1 x 80, PH2 x 100
- 1422: 4 x 100, 5.5 x 100

7587MR01

- 463516R
- 20107MR01
- 2221-06
- 463014R
- 414810M
- 4791R
- 2792
- 4251-05R
- 2571-45
- 4453-15FR

7587SR

- 2335S: 5/32, 3/16, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2
- 2235S: 9/32, 5/16, 3/8, 7/16, 1/2
- 20107SR
- 4335SR: 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 25/32, 13/16, 7/8, 15/16, 1-1/16, 1-1/8, 1-1/4
- 5060: 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 11/16, 3/4, 13/16, 7/8
- 2312-06
- 463516R
- 2779-55G
- 4779-10GR
- 6111-06
- 6231-07
- 6516-10
- 20407PR
- 19980016
- 19980410

Socket & Tool Set

7098MR

7598MR 1/4"+1/2"

Blow case size (mm) :
422 x 360 x 110 (0.59 cuft)



97 PC.

8.87 | 1 / 2

KT NO.	Contents	
7098MR	2330M 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13	1421 PH2 x 38, PH2 x 100, PH3 x 150
	2330M 7, 8, 10, 12, 13	1422 4 x 100, 6.5 x 38
	4330MR 10, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24, 27, 30, 32	1462 6.5 x 150
	463016R 463021R	1025S 4, 5.5, 7, 8
		1025P PH0, PH1, PH2, PH3
7598MR	2335M 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13	1025H H1.5, H2, H2.5, H3, H4, H5, H6, H7, H8, H10
	2335M 7, 8, 10, 12, 13	1025U T8H, T10H, T15H, T20H, T25H, T27H, T30H, T40H
	4335MR 10, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24, 27, 30, 32	1025Z PZ1, PZ2, PZ3
	463516R 463521R	1060 6, 7, 8, 10, 12, 13, 14, 15, 16, 17, 18, 19


4771-10BR


2771-55F


2571-45


4573-10

4121-11GR


6111-06


6516-10


2178DF

4583-12R

4251-10R


2221-02
2221-04


2792


4223-02R


4791R


2141

Socket & Tool Set

7003MR

7503MR 1/4"+1/2"

Blow case size (mm) :
422 x 360 x 110 (0.59 Cuft)



103 PC.

9.24 1 / 2

KT NO.	Contents	
7003MR	2330M 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10	2375M E4, E5, E6, E7, E8, E10
	4330MR 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32	4375M E11, E12, E14, E16, E18
	463016R 463021R	1060 8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24
		1930 8 x 10, 11 x 13, 12 x 14, 17 x 19
		1025H H2, H2.5, H3, H4 , H5, H6, H7, H8, H10
		1025M M4, M5, M6, M8, M10
		1025T T15, T20, T25, T27, T30, T40, T45, T50
		1421 PH1 x 80, PH2 x 100
		1422 5.5 x 125, 6.5 x 150
7503MR	2335M 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10	4771-10GR
	4335MR 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32	2771-55G
	463516R 463521R	6111-07
		2178DF
		3611-08R
		2221-03 2221-06
		2571-45 4572-10
		2312-06
		4251-05R 4251-10R
		2792 4791R
		4223-02R
		2128-26
		2141

Socket & Tool Set

7010MR

7510MR 1/4"+1/2"

Blow case size (mm) :
422 x 360 x 110 (0.59 cuft)

110 PC.



7010MR



7510MR



KT NO. | Contents | 9.2 | 1 / 2

7010MR

- 2230M — 8, 10, 12, 13
- 2330M — 5, 5.5, 6, 7, 8, 10, 12, 13, 14
- 4230M — 14, 17, 19, 22
- 4330MR — 8, 10, 12, 13, 14, 15, 17, 18, 19, 22, 24, 27, 30
- 463014RC
- 463016R
- 1025P — PH0, PH1, PH2, PH3
- 1025H — H2.5, H3, H4, H5, H6
- 1025S — 3, 4, 5, 6.5
- 1025T — T15, T20, T25, T27, T30
- 1025Z — PZ1, PZ2
- 1145MR — 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10
- 1060 — 8, 10, 12, 13, 14, 15, 17, 18, 19
- 4771-10GR
- 276A-04G
- 2178DF
- 6111-06
- 6211-06
- 6516-10
- 79831
- 4452-15FR
- 2452-05F
- 4251-05R
- 4251-10R
- 2221-04
- 9DC22
- 7821-50
- 4791R
- 2792
- 414810M
- 2141

7510MR

- 2235M — 8, 10, 12, 13
- 2335M — 5, 5.5, 6, 7, 8, 10, 12, 13, 14
- 4235M — 14, 17, 19, 22
- 4335MR — 8, 10, 12, 13, 14, 15, 17, 18, 19, 22, 24, 27, 30
- 463514RC
- 463516R
- 1636H — H5, H6, H7, H8, H10, H12
- 1636M — M6, M8, M10, M12
- 1636T — T30, T40, T45, T50, T55, T60
- 1421 — No.1 x 80, No.2 x 100, No.2 x 38
- 1422 — 5.5 x 100, 6.5 x 150, 6.5 x 38

Socket & Tool Set

7028MR | 7528MR | 7528MR01 1/4"+1/2"

Blow case size (mm) :
560 x 400 x 110 (0.87 Cuft)

128 PC.



7028MR



7528MR



7528MR01

KT NO.	Contents			Kg 14.95	1 / 2
7028MR	2330M 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13	2755-55G	1060 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16,17, 19, 21, 22, 24, 27, 30, 32		
	2230M 7, 8, 10, 12, 13		1930 8 x 10, 9 x 11, 12 x 13, 14 x 17, 17 x 19		
	4230M 10, 12, 13, 14, 15, 17, 19	4755-10G	1143 T10, T15, T20, T25, T27, T30, T40		
	4330MR 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24, 27, 30, 32		1145 H1.5, H2, H2.5, H3, H4, H5, H6, H8, H10		
	463016R 463021R		1421 PH1 x 80, PH2 x 38, PH2 x 100		
			1422 5 x 75, 6.5 x 38, 6.5 x 100		
			2033 T10, T15, T20, T25, T27		
			2035 H4, H5, H6, H7, H8, H10		2293-02 2293-06
7528MR	2335M 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13	2755-55G	4025 H12, H14, H17		2221-03 2221-06
	2235M 7, 8, 10, 12, 13	4755-10G	7821-50		4251-05R 4251-10R
	4235M 10, 12, 13, 14, 15, 17, 19		6111-07 6211-06		76215-05
					76404-06
7528MR01	4335MR 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24, 27, 30, 32	2771-55G	6511-10		76505-05
	463516R 463521R	4771-10G	4452-15FR		76104-05
			2571-45		76303-05
			4572-10		2128-26
					4223-02R
					2792 4791R

Socket & Tool Set

7053MR01

Blow case size (mm) :
560 x 400 x 110 (0.87 cuft)

7553MR01 1/4"+1/2"

153 PC.



7053MR01



7553MR01

KT NO. | Contents | 14.17 | 1 / 2

7053MR01

- 2330M — 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13
- 4330MR — 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32
- 2230M — 6, 7, 8, 9, 10, 11, 12, 13
- 4230M — 13, 14, 17, 19, 22
- 2375M — E4, E5, E6, E7, E8
- 4375M — E10, E12, E14, E16, E18, E20
- 1461 — PH1 x 75, PH2 x 100
- 1462 — 5.5 x 100, 6.5 x 150
- 1421 — PH2 x 38
- 1422 — 6.5 x 38
- 1025S — 4, 5, 6.5
- 1025P — PH0, PH1, PH2
- 1025H — H3, H4, H5, H6
- 1025Z — PZ1, PZ2, PZ3
- 1025T — T10, T15, T20, T25, T27, T30, T40
- 1636H — H5, H6, H7, H8, H10, H12
- 1636M — M6, M8, M10, M12
- 1636T — T30, T40, T45, T50, T55, T60
- 1680H — H5, H6, H7, H8, H10, H12
- 1680M — M6, M8, M10, M12
- 1680T — T25, T30, T40, T45, T50, T55
- 463014RC
- 463016R
- 1060 — 8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24, 27
- 1930 — 8x10, 11x13, 12x14
- 4771-10GR
- 2771-55G
- 6511-10
- 6111-06
- 6211-06
- 2178DF
- 4462-18FR
- 2452-05F
- 2221-02
- 2221-06
- 4251-05R
- 4251-10R
- 2792
- 4791R
- 4223-02R
- 2142
- 414810M

7553MR01

- 2335M — 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13
- 4335MR — 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32
- 2235M — 6, 7, 8, 9, 10, 11, 12, 13
- 4235M — 13, 14, 17, 19, 22

Socket & Wrench Set

9043MR

9543MR 1/4"+3/8"+1/2"

Blow case size (mm) :
560 x 400 x 110 (0.87 cuft)

143 PC.



9043MR



9543MR



13.7 1 / 2

KT NO.		Contents
9043MR	2330M 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10	2375M E4, E5, E6, E7, E8
	3330M 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 17, 18, 19, 21, 22	4375M E10, E12, E14, E16, E20
	4330MR 8, 10, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 27, 30, 32	1025P PH0, PH1, PH2, PH3
	4630 16, 21	1025S 4, 5.5, 7
		1025U T10, T15, T20, T25, T27, T30, T40
		1025H H2, H3, H4, H5, H6, H7, H8, H10
		1025Z PZ0, PZ1, PZ2, PZ3
9543MR	2335M 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10	1421 PH2 x 38, PH1 x 80
	3330M 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 17, 18, 19, 21, 22	1461 PH2 x 100
	4335M 8, 10, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 27, 30, 32	1422 6.5 x 38, 5.5 x 75
	4635 16, 21	1462 6.5 x 150
		1060 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24
		1930 8 x 10, 10 x 12, 11 x 13, 12 x 14, 17 x 19

1145MR H1.5, H2.0, H2.5, H3.0, H4.0, H5.0, H6.0, H8.0, H10

4771-10G

2771-55G

2178DF

6111-07

3781-11F

4452-18FR

4581-10

6011-10R

4222-10

2312-06

2221-02
2221-04
2221-06

3221-03
3221-06

4251-03R

3824

3812

2141

2792
3792
4791R

7821-30

79093-03M

79831

Socket & Wrench Set

9519MR50 1/4"+3/8"+1/2"

Blow case size (mm) :
560 x 400 x 110 (0.87 cuft)

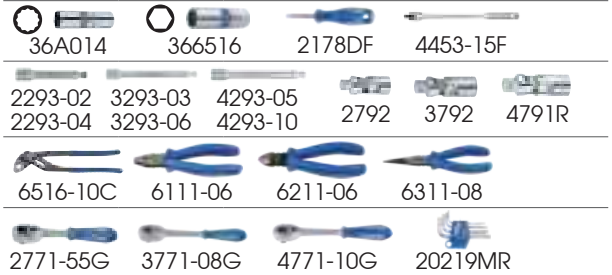
119 PC.



- Extra HDPE board to prevent product dropping

Contents		
	2335M	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13
	3335M	9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19
	4335MR	20, 21, 22, 24, 27, 30, 32
	2235M	4, 4.5, 5, 5.5, 6, 7, 8
	3235M	10, 11, 12, 13, 14, 15
	3375M	E8, E10, E11, E12, E14, E16, E18
	2031	PH1, PH2, PH3
	2032	5.5, 6.5
	2035	H3, H4, H6, H8, H10
	3023	T10, T15, T20, T25, T27, T30, T40, T45, T50

Contents	12.48	1 / 2
4535M	17, 19, 21	
4435M	10, 12, 13, 14, 17, 19	
1060	8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19	



Tools Bag Set

92543MR

Tool bag size (mm) :
250 x 400 x 30 (0.11 cuft)

92543MR01 1/4"

43 PC.



92543MR



92543MR01

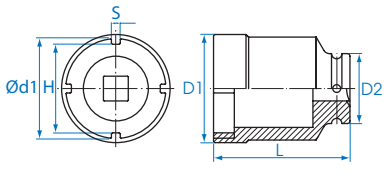
KT NO.		Contents	2.49 / 1 / 10
92543MR	79093-03C 7976-65 2141	2335M: 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14 1421: PH0 x 60, PH1 x 100, PH2 x 38, PH2 x 150 1422: 3.0 x 75, 6.5 x 38, 6.5 x 150 1025Z: PZ1, PZ2, PZ3 1025T: T10, T15, T20, T25, T27, T30, T40	6511-10 6111-07 2178DF 3611-08P 20317MR 8720813 2792
92543MR01	79093-03M 7971-07 2142		

Axial Lock Nut Socket

44K9M 1/2"

- Specially for SKF bearing

64K9M 3/4"





KT NO.	Designation	mm	DR.	H mm	S mm	D1 mm	D2 mm	Ød1 mm	L mm	g	
44K928M	TMFS 3	28	1/2	24.4	3.8	36	30	30	90	382	1 / 24
44K932M	TMFS 4	32	1/2	28.4	3.8	38	30	34	90	378	1 / 24
44K938M	TMFS 5	38	1/2	34.4	4.8	46	30	40	90	559	1 / 24
64K975M	TMFS 11	75	3/4	69.4	6.8	83.5	54	77	105	1600	1 / 6

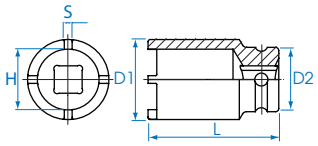
External & Internal KM Locknut Socket new

44K7 1/2" | 64K7 3/4" | 44K8 1/2" | 64K8 3/4"

- Specially for SKF bearing

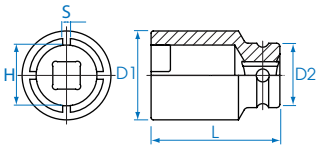
KT NO.	Designation	mm	DR.	H mm	S mm	D1 mm	D2 mm	Ød1 mm	L mm	g	
44K732M	TMFS 4	32	1/2	28.3	3.7	37.3	30	28.3	60	207	1 / 24
44K738M	TMFS 5	38	1/2	34.3	4.7	44.3	30	34.3	60	259	1 / 24
44K745M	TMFS 6	45	1/2	41.3	4.7	52.3	30	41.3	60	321	1 / 24
44K752M	TMFS 7	52	1/2	48.3	4.7	59.3	30	48.3	60	350	1 / 20
44K758M	TMFS 8	58	1/2	53.6	4.7	65.5	30	53.5	60	422	1 / 20
64K765M	TMFS 9	65	3/4	60.5	5.7	73.5	42	60.5	68	601	1 / 20
64K770M	TMFS 10	70	3/4	65.5	5.7	78.5	42	65.5	68	625	1 / 12
64K775M	TMFS 11	75	3/4	69.5	6.7	82.6	42	59.5	68	664	1 / 12
64K780M	TMFS 12	80	3/4	74.5	6.7	87.7	42	74.5	68	691	1 / 12





KT NO.	Designation	mm	DR.	H mm	S mm	D1 mm	D2 mm	Ød1 mm	L mm	g	
44K832M	TMFS 4	32	1/2	28.3	3.7	41.5	30	34.5	60	282	1 / 24
44K838M	TMFS 5	38	1/2	34.3	4.7	49.5	30	40.7	60	365	1 / 24
44K845M	TMFS 6	45	1/2	41.3	4.7	59.0	30	48.0	60	474	1 / 24
44K852M	TMFS 7	52	1/2	48.3	4.7	66.0	30	54.8	60	540	1 / 20
44K858M	TMFS 8	58	1/2	53.5	5.7	73.0	30	60.8	60	582	1 / 20
64K865M	TMFS 9	65	3/4	60.5	5.7	80.0	42	67.7	68	915	1 / 20
64K870M	TMFS 10	70	3/4	65.5	5.7	86.0	42	72.7	68	1022	1 / 12
64K875M	TMFS 11	75	3/4	69.5	6.7	93.0	42	78.8	68	1167	1 / 12
64K880M	TMFS 12	80	3/4	74.5	6.7	98.0	42	83.5	68	1329	1 / 12





Application: Removal and installation of bearings, gear wheels, cone roll bearings, ball bearings etc.
Trucks, land and construction machines, municipally and forestery technology etc.

Internal KM Locknut Socket Set

7K09MP new

1/2"+3/4"

- For loosening and tightening groove nuts DIN 981 on crimping or clamping sleeves
- Minimum space on nut size
- Use in conjunction with extensions, ratchets etc.
- Working range KM4 to KM12 (nuts of ball bearing)

Contents		7.90 kg	1 / 3
44K8	TMFS 4, 5, 6, 7, 8		
64K8	TMFS 9, 10, 11, 12		



9 PC.

External KM Locknut Socket Set

7K09MP01 new

1/2"+3/4"

- For loosening and tightening groove nuts DIN 981 on crimping or clamping sleeves
- Minimum space on nut size
- Slim design
- Working range KM4 to KM12 (nuts of ball bearing)

Contents		5.33 kg	1 / 3
44K7	TMFS 4, 5, 6, 7, 8		
64K7	TMFS 9, 10, 11, 12		



9 PC.

IMPACT SOCKETS & ACCESSORIES

- 1/4" Drive
  Impact Socket
- 3/8" Drive
  Impact Socket, Bit Socket & Accessory
- 1/2" Drive
  Impact Socket, Bit Socket Accessory
- 3/4" Drive
  Impact Socket, Bit Socket & Accessory
- 1" Drive
  Impact Socket & Accessory
- 1-1/2" Drive
  Impact Socket & Accessory
- 2-1/2" Drive
  Impact Socket
- 3-1/2" Drive
  Impact Socket

Professional production & quality control





KING TONY impact socket 50% higher torque on performance.

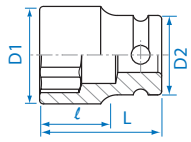
Quality control also ensure that a sufficient level of production output. King Tony uses advance technology to inspect tiny difference on each step. Our Impact socket reach 50% higher torque than DIN standards.


24KING TONY CR-MO
24 KING TONY

Standard Impact Socket & Rail Set

2535M — 1/4"

- DIN 3129, ISO 2725-2





KT NO.	mm	D1 mm	D2 mm	ℓ mm	L mm	g	pcs/box
253504M	4	7.5	13	4	23	12	20 / 600
253545M	4.5	8.1	13	5	23	12	20 / 600
253505M	5	8.8	13	6	23	12	20 / 600
253555M	5.5	9.4	13	6	23	13	20 / 600
253506M	6	10.0	13	7	23	13	20 / 600
253507M	7	11.3	13	7	23	13	20 / 600
253508M	8	12.5	13	8	23	13	20 / 600
253509M	9	13.8	13	8	23	15	12 / 360
253510M	10	15.0	13	9	23	18	12 / 360
253511M	11	16.3	13	9	23	20	12 / 360
253512M	12	17.5	13	9	23	21	12 / 360
253513M	13	18.8	13	9	23	22	12 / 360
253514M	14	19.8	13	9	23	23	10 / 300

2413MP8 — 1/4"

- Socket rail 280mmL

13 PC.



Contents			Kg 0.25	50
		2535M	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14	
		8721116		

Impact Accessory

2863P — new — 1/4"

- Adapter
- Convert to 3/8" drive
- DIN 3121



KT NO.	Spec.	D mm	g	pcs/box
2863P	1/4"F x 3/8"M	14	20	12 / 360

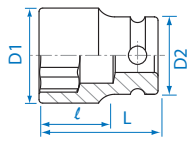
Standard Impact Socket

3535M — 3/8"

- DIN 3129, ISO 2725-2

3535S — 3/8"

- ANSI / ASME B107.2





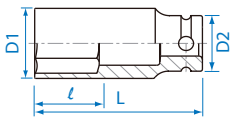
KT NO.	mm	D1 mm	D2 mm	ℓ mm	L mm	g	pcs/box
353506M	6	10.6	19	5	32	31	12 / 360
353507M	7	11.8	19	5	32	33	12 / 360
353508M	8	13.2	19	6	32	34	12 / 360
353509M	9	14.5	19	6	32	39	12 / 360
353510M	10	15.5	19	7	32	38	12 / 360
353511M	11	17.0	19	7	32	38	12 / 360
353512M	12	18.2	19	8	32	41	12 / 360
353513M	13	19.4	22	9	32	53	10 / 200
353514M	14	20.7	22	9	32	54	10 / 200
353515M	15	22.0	22	10	32	55	10 / 200
353516M	16	23.8	22	10	32	57	10 / 200
353517M	17	24.8	22	11	32	60	10 / 200
353518M	18	25.8	22	11	32	63	10 / 200
353519M	19	27.6	22	13	32	64	10 / 160

KT NO.	inch	D1 mm	D2 mm	ℓ mm	L mm	g	pcs/box
353508S	1/4	10.8	19	5	32	31	12 / 360
353510S	5/16	13.0	19	6	32	34	12 / 360
353512S	3/8	15.3	19	7	32	38	12 / 360
353514S	7/16	17.0	19	7	32	38	12 / 360
353516S	1/2	18.2	19	9	32	53	12 / 360
353518S	9/16	20.7	22	9	32	53	10 / 200
353520S	5/8	23.8	22	10	32	57	10 / 200
353522S	11/16	24.5	22	11	32	60	10 / 200
353524S	3/4	27.0	22	11	32	64	10 / 160

Deep Impact Socket

3435M — 3/8"

- DIN 3121



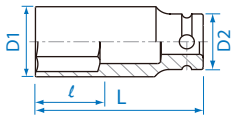


KT NO.	mm	D1 mm	D2 mm	ℓ mm	L mm	g	pcs/box
343506M	6	10.6	19	10	65	62	6 / 120
343507M	7	11.8	19	10	65	66	6 / 120
343508M	8	13.2	19	12	65	71	6 / 120
343509M	9	14.5	19	12	65	76	6 / 120
343510M	10	15.5	19	12	65	82	6 / 120
343511M	11	17.0	19	13	65	84	6 / 120
343512M	12	18.2	19	14	65	93	6 / 120
343513M	13	19.4	22	14	65	113	6 / 120
343514M	14	20.7	22	14	65	114	6 / 120
343515M	15	22.0	22	16	65	125	6 / 120
343516M	16	23.8	22	16	65	126	6 / 96
343517M	17	24.8	22	17	65	138	6 / 96
343518M	18	25.8	22	18	65	144	6 / 96
343519M	19	27.6	22	20	65	154	6 / 96
343520M	20	28.3	22	20	65	148	6 / 96
343521M	21	29.5	22	22	65	156	6 / 96
343522M	22	30.8	22	22	65	172	5 / 60
343523M	23	32.0	22	24	65	177	5 / 60
343524M	24	32.5	22	24	65	180	5 / 60

Deep Impact Socket

3435S — 3/8"

- ANSI / ASME B107.2



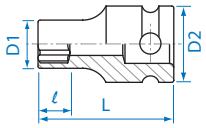


KT NO.	inch	D1 mm	D2 mm	ℓ mm	L mm	g	🗃/📦
343508S	1/4	10.8	19	10	63.5	62	6 / 120
343510S	5/16	13.0	19	12	63.5	71	6 / 120
343512S	3/8	15.3	19	12	63.5	82	6 / 120
343514S	7/16	17.0	19	13	63.5	84	6 / 120
343516S	1/2	18.2	19	14	63.5	113	6 / 120
343518S	9/16	20.7	22	14	65	114	6 / 120
343520S	5/8	23.8	22	16	65	126	6 / 96
343522S	11/16	24.5	22	17	65	138	6 / 96
343524S	3/4	27.0	22	20	65	154	6 / 96
343526S	13/16	29.5	22	22	65	156	6 / 96
343528S	7/8	30.8	22	22	65	172	5 / 60

Impact Star Socket

3575M — 3/8"

- For torx external screw
- DIN 3121





KT NO.	Size	D1 mm	D2 mm	ℓ mm	L mm	g	🗃/📦
357505M	E5	9.6	19	4.0	32	31	12 / 360
357506M	E6	10.2	19	5.0	32	31	12 / 360
357507M	E7	10.8	19	6.0	32	33	12 / 360
357508M	E8	11.5	19	6.5	32	33	12 / 360
357510M	E10	12.0	19	7.0	32	34	12 / 360
357512M	E12	14.0	19	9.0	32	34	12 / 360
357514M	E14	17.0	19	9.5	32	40	12 / 360

Impact Bit Socket

KT No. & D1



CAUTION

1. Air pressure must not exceed 90PSI (6.3bar)
2. Adjust your air tool to its lowest torque output, should this torque level not be enough, increase it gradually

3051 — 3/8"

- For phillips head screw
- DIN 3121



KT NO.	⊕ No.	L mm	g	🗃/📦
305101	PH1	55	33	12 / 360
305102	PH2	55	35	12 / 360
305103	PH3	55	40	12 / 360
305104	PH4	55	45.8	12 / 360

3052 — 3/8"

- For slotted head screw
- DIN 3121



KT NO.	Tip widh mm	L mm	g	🗃/📦
305255	5.5	55	32.2	12 / 360
305208	8	55	38.4	12 / 360
305210	10	55	45	12 / 360

3055M — 3/8"

- For hexagon head screw
- DIN 3121



KT NO.	mm	L mm	Max. torq Nm	g	🗃/📦
305504M	H4	55	20.8	35	12 / 360
305505M	H5	55	36.0	38	12 / 360
305506M	H6	55	62.4	40	12 / 360
305507M	H7	55	97.0	66	12 / 360
305508M	H8	55	144.0	45	12 / 360
305510M	H10	55	264.0	50	12 / 360
305512M	H12	55	480.0	60	12 / 360
305514M	H14	55	650.0	77	12 / 288
305516M	H16	55	680.0	79	12 / 288
305517M	H17	55	715.0	85	12 / 288

3055S — 3/8"

- For hexagon head
- DIN 3121



KT NO.	inch	L mm	Max. torq Nm	g	🗃/📦
305504S	1/8	55	18.8	28	12 / 360
305545S	9/64	55	20.8	29	12 / 360
305505S	5/32	55	22.5	30	12 / 360
305506S	3/16	55	36.0	35	12 / 360
305507S	7/32	55	62.4	38	12 / 360
305508S	1/4	55	93.6	39	12 / 360
305510S	5/16	55	144.0	46	12 / 360
305512S	3/8	55	264.0	53	12 / 360
305516S	1/2	55	518.0	70	12 / 360

Impact Bit Socket

KT No. & D1

3065M — 3/8"

- For hexagon head screw
- DIN 3121



KT NO.	mm	L mm	Max. torq Nm	g	
306504M	H4	90	20.8	42	8 / 160
306505M	H5	90	36.0	48	8 / 160
306506M	H6	90	62.4	55	8 / 160
306508M	H8	90	144.0	73	8 / 160
306510M	H10	90	264.0	96	8 / 160

3053M — 3/8"

- For torx internal screw
- DIN 3121



KT NO.	Size	L mm	g	
305310	T10	55	30	12 / 360
305315	T15	55	30	12 / 360
305320	T20	55	32	12 / 360
305325	T25	55	32	12 / 360
305327	T27	55	33	12 / 360
305330	T30	55	34	12 / 360
305340	T40	55	37	12 / 360
305345	T45	55	41	12 / 360
305350	T50	55	44	12 / 360
305355	T55	55	58	12 / 288
305360	T60	55	65	12 / 288

Impact Accessory

3862P — 3/8"

- Adapter
- Convert to 1/4" drive
- 3862P → Max. torque : 62 Nm
- DIN 3121



KT NO.	Spec.	D mm	g	
3862P	3/8"F x 1/4"M	20.8	33	24 / 384

3864P — 3/8"

- Adapter
- Convert to 1/2" drive
- DIN 3121



KT NO.	Spec.	D mm	g	
3864P	3/8"F x 1/2"M	20.8	51	24 / 384

3147 — 3/8"

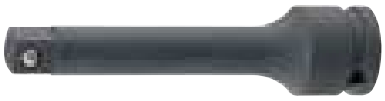
- Bit holder



KT NO.	Size	L mm	g	
314708S	1/4"	40	44	12 / 420
314710S	5/16"	40	45	12 / 420
314710M	10mm	40	46	12 / 420

3260P — 3/8"

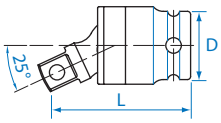
- Extension bar
- DIN 3121



KT NO.	Overall length inch	Overall length mm	g	
3260-03P	3	75	96	6 / 120
3260-04P	4	100	98.6	8 / 160
3260-05P	5	125	145	8 / 144
3260-06P	6	150	168	5 / 100
3260-08P	8	200	216	6 / 72
3260-10P	10	250	230	6 / 54

3796P — 3/8"

- Universal joint
- DIN 3121





KT NO.	Overall length inch	Overall length mm	D mm	g	
3796P	2	50	22	83.4	10 / 200

90608

- Locking pin
- Chrome vanadium steel
- DIN 3129

90609 — 3/8"



KT NO.	Desp.	ø	d / ℓ	Applied to socket sizes
90608	pin	2.5	14	3535M (6~12 mm)3535S (1/4~1/2 inch) 3435M (6~12 mm) 3435S (1/4~1/2 inch) 3055M (4~12 mm) 3055S (3/16~1/2inch) 3065M (4~10 mm) 3053 (T10~T15) 3575M (E5~E14) 3053.3055.3065.3147.3862.3864
90609	pin	2.5	16	3535M (13~19 mm) 3535S (9/16~3/4inch) 3435M (13~24 mm) 3435S (9/16~7/8inch) 3260.3796

Impact Bit Socket Set

3406MP 3/8"

- For hexagon head screw
- 55mmL

6 PC.

Metal case size (mm) :
203 x 79 x 41 (0.023 cuft)



Contents — 0.72 kg — 1 / 20

⬢	3055M	H4, H5, H6, H8, H10, H12

3410MP 3/8"

- For hexagon head screw
- 55mmL

10 PC.

Metal case size (mm) :
270 x 73 x 46 (0.032 cuft)



Contents — 1.05 kg — 1 / 20

⬢	3055M	H4, H5, H6, H7, H8, H10, H12 H14, H16, H17

3419PP 3/8"

- For torx internal head
- 55mmL

9 PC.

Metal case size (mm) :
203 x 79 x 41 (0.023 cuft)



Contents — 0.62 kg — 1 / 20

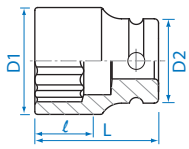
✶	3053	T10, T15, T20, T25, T27, T30, T40, T45, T50

Standard Impact Socket

KT No. & D1

4530M 1/2"

- DIN 3129, ISO 2725-2

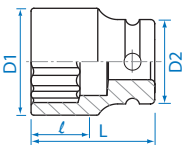




KT NO.	mm	D1 mm	D2 mm	ℓ mm	L mm	g	
453008M	8	15.0	25	7	38	67	10 / 200
453009M	9	16.3	25	7	38	67	10 / 200
453010M	10	17.6	25	8	38	70	10 / 200
453011M	11	18.8	25	8	38	71	10 / 200
453012M	12	20.0	25	9	38	72	10 / 200
453013M	13	21.2	25	10	38	72	10 / 200
453014M	14	22.5	25	10	38	77	10 / 200
453015M	15	23.8	30	11	38	112	10 / 160
453016M	16	25.0	30	11	38	112	10 / 160
453017M	17	26.2	30	12	38	115	10 / 160
453018M	18	27.5	30	13	38	115	10 / 160
453019M	19	28.8	30	13	38	120	10 / 160
453020M	20	29.5	30	13	38	120	10 / 160
453021M	21	30.0	30	14	40	125	8 / 160
453022M	22	32.4	30	14	40	143	8 / 160
453023M	23	33.2	30	15	40	143	8 / 160
453024M	24	34.4	30	15	42	152	6 / 120
453025M	25	36.0	30	15	42	168	6 / 120
453026M	26	37.0	30	15	42	173	6 / 120
453027M	27	38.0	30	16	44	176	6 / 120
453028M	28	41.0	30	16	44	194	6 / 120
453029M	29	41.0	30	17	44	194	6 / 120
453030M	30	42.0	30.5	17	44	201	6 / 120
453032M	32	46.0	30	19	44	205	6 / 120
453033M	33	46.0	30	19	46	227	6 / 96
453034M	34	46.0	30	20	46	231	6 / 96
453036M	36	47.0	30	20	46	248	6 / 96
453038M	38	50.0	30	21	50	248	6 / 60
453041M	41	56.0	30	22	52	248	6 / 60

4530S 1/2"

- ANSI / ASME B107.2



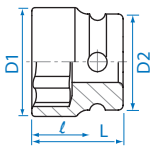


KT NO.	inch	D1 mm	D2 mm	ℓ mm	L mm	g	
453016S	1/2	20	25	10	38	71	10 / 200
453018S	9/16	22	25	10	38	77	10 / 200
453020S	5/8	24	25	11	38	111	10 / 200
453022S	11/16	26	30	12	38	116	10 / 160
453024S	3/4	28.8	30	13	38	119	10 / 160
453026S	13/16	30	30	14	40	125	8 / 160
453028S	7/8	32	30	14	40	141	8 / 160
453030S	15/16	34	30	15	42	152	6 / 120
453032S	1	36	30	15	42	168	6 / 120
453034S	1-1/16	38	30	16	44	176	6 / 120
453036S	1-1/8	41	30	17	44	194	6 / 120
453038S	1-3/16	42	30.5	17	44	209	6 / 120

Stubby Impact Socket

4525M — 1/2"

- For impact wrench use
- DIN 3129, ISO 2725-2



19, 22, 24 mm

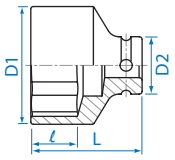


KT NO.	mm	D1 mm	D2 mm	ℓ mm	L mm	g	
452513M	13	20	26	5.5	28.5	75	10 / 160
452514M	14	22	26	5.5	28.5	73	10 / 160
452517M	17	26	26	5.5	28.5	66	10 / 160
452519M	19	28	26	10	28.5	64	10 / 160
452521M	21	30	30	10	28.5	82	8 / 160
452522M	22	32	30	10	28.5	88	8 / 160
452524M	24	34	30	10	28.5	97	6 / 120

Standard Impact Socket

4535M — 1/2"

- DIN 3129, ISO 2725-2

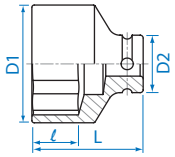




KT NO.	mm	D1 mm	D2 mm	ℓ mm	L mm	g	
453508M	8	15.0	25	7	38	67	10 / 200
453509M	9	16.3	25	7	38	67	10 / 200
453510M	10	17.6	25	8	38	70	10 / 200
453511M	11	18.8	25	8	38	71	10 / 200
453512M	12	20.0	25	9	38	72	10 / 200
453513M	13	21.2	25	10	38	72	10 / 200
453514M	14	22.5	25	10	38	77	10 / 200
453515M	15	23.8	30	11	38	112	10 / 160
453516M	16	25.0	30	11	38	112	10 / 160
453517M	17	26.2	30	12	38	115	10 / 160
453518M	18	27.5	30	13	38	115	10 / 160
453519M	19	28.8	30	13	38	120	10 / 160
453520M	20	29.5	30	13	38	120	10 / 160
453521M	21	30.0	30	14	40	125	8 / 160
453522M	22	31.8	30	14	40	143	8 / 160
453523M	23	33.8	30	15	40	143	8 / 160
453524M	24	33.8	30	15	42	152	6 / 120
453525M	25	35.8	30	15	42	168	6 / 120
453526M	26	37.8	30	15	42	173	6 / 120
453527M	27	38.0	30	16	44	176	6 / 120
453528M	28	41.0	30	16	44	194	6 / 120
453529M	29	41.0	30	17	44	194	6 / 120
453530M	30	42.0	30.5	17	44	201	6 / 120
453532M	32	46.0	30	19	44	205	6 / 120
453533M	33	46.0	30	19	46	227	6 / 96
453534M	34	46.0	30	20	46	231	6 / 96
453535M	35	46.0	30	20	46	235	6 / 96
453536M	36	47.0	30	20	46	248	6 / 96
453537M	37	49.0	30	21	48	255	6 / 60
453538M	38	50.0	30	21	50	241	6 / 60
453539M	39	51.0	30	22	50	240	6 / 60
453541M	41	56.0	30	22	52	283	6 / 60
453546M	46	64.0	30	23	55	408	4 / 32

4535S — 1/2"

- ANSI / ASME B107.2





KT NO.	inch	D1 mm	D2 mm	ℓ mm	L mm	g	
453510S	5/16	15	25	7	38	67	10 / 200
453512S	3/8	17	25	7	38	70	10 / 200
453514S	7/16	18	25	8	38	71	10 / 200
453516S	1/2	20	25	10	38	72	10 / 200
453518S	9/16	22	25	10	38	77	10 / 200
453520S	5/8	24	25	11	38	112	10 / 160
453522S	11/16	26	30	12	38	115	10 / 160
453524S	3/4	28.8	30	13	38	120	10 / 160
453526S	13/16	30	30	14	40	125	8 / 160
453528S	7/8	32	30	14	40	143	8 / 160
453530S	15/16	34	30	15	42	152	6 / 120
453532S	1	36	30	15	42	168	6 / 120
453534S	1-1/16	38	30	16	44	176	6 / 120
453536S	1-1/8	41	30	17	44	194	6 / 120
453538S	1-3/16	42	30.5	17	44	201	6 / 120
453540S	1-1/4	46	30	18	44	205	6 / 120

Impact Socket Set

4472MP

4472SP 1/2"

- Standard impact socket

Stand size (mm) :
415 x 336 x 320



4472MP / 4472SP

KT NO.	PC.		Contents	Each Q'ty
4472MP	158	4535M	8, 9, 10, 11, 12, 13, 14	8
			15, 16, 17, 18, 19, 20, 21	6
			22, 23, 24	7
			25, 26, 27, 28	6
			29, 30, 32	5
4472SP	106	4535S	5/16, 3/8, 7/16, 1/2, 9/16	8
			5/8, 11/16, 3/4, 13/16	6
			7/8, 15/16,	7
			1, 1-1/16, 1-1/8	6
			1-3/16, 1-1/4	5

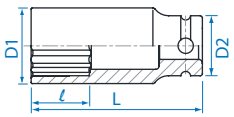
KT NO.	Spec.	kg	Cuft
4472MP-A	87103	6.37	0.67
4472MP-D	158 PC. socket content	19.63	0.54
4472SP-A	87103	6.37	0.67
4472SP-D	106 PC. socket content	20.4	0.37

Deep Impact Socket

KT No. & D1

4430M — 1/2"

- DIN 3121

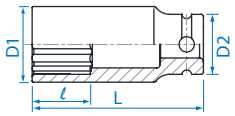




KT NO.	mm	D1 mm	D2 mm	ℓ mm	L mm	g	
443008M	8	15.0	25	12	78	130	6 / 120
443009M	9	16.3	25	12	78	135	6 / 120
443010M	10	17.6	25	12	80	150	6 / 120
443011M	11	18.8	25	13	80	160	6 / 120
443012M	12	20.0	25	14	80	170	6 / 120
443013M	13	21.2	25	14	80	165	6 / 120
443014M	14	22.5	25	14	80	180	6 / 120
443015M	15	23.8	30	16	80	236	6 / 96
443016M	16	25.0	30	16	80	243	6 / 96
443017M	17	26.2	30	16	80	255	6 / 96
443018M	18	27.5	30	17	80	267	6 / 96
443019M	19	28.8	30	18	80	260	6 / 96
443020M	20	29.5	30	20	80	252	6 / 96
443021M	21	30.0	30	20	80	251	6 / 96
443022M	22	32.4	30	22	80	304	5 / 60
443023M	23	33.2	30	24	80	310	5 / 60
443024M	24	34.4	30	24	80	318	5 / 60
443027M	27	38.0	30	27	80	368	5 / 60
443030M	30	42.0	30.5	30	80	422	5 / 50
443032M	32	46.0	30	32	80	460	1 / 24
443036M	36	47.0	30	36	80	535	1 / 24

4430S — 1/2"

- ANSI / ASME B107.2

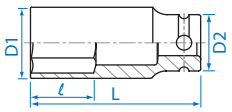




KT NO.	inch	D1 mm	D2 mm	ℓ mm	L mm	g	
443020S	5/8	24	25	16	80	233	6 / 96
443024S	3/4	28.8	30	18	80	250	6 / 96
443028S	7/8	32	30	22	80	294	5 / 60
443030S	15/16	34	30	24	80	308	5 / 60
443032S	1	36	30	24	80	341	5 / 60
443034S	1-1/16	38	30	27	80	358	5 / 60
443036S	1-1/8	41	30	27	80	401	5 / 50
443040S	1-1/4	46	30	32	80	504	1 / 24
443042S	1-5/16	46	30	34	80	476	1 / 24
443048S	1-1/2	50	30	34	80	564	1 / 24

4435M — 1/2"

- DIN 3121

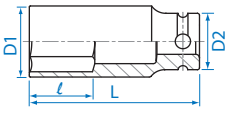




KT NO.	mm	D1 mm	D2 mm	ℓ mm	L mm	g	
443508M	8	15.0	25	12	78	116	6 / 120
443509M	9	16.3	25	12	78	125	6 / 120
443510M	10	17.6	25	12	80	136	6 / 120
443511M	11	18.8	25	13	80	144	6 / 120
443512M	12	20.0	25	14	80	157	6 / 120
443513M	13	21.2	25	14	80	157	6 / 120
443514M	14	22.5	25	14	80	172	6 / 120
443515M	15	23.8	30	16	80	223	6 / 96
443516M	16	25.0	30	16	80	230	6 / 96
443517M	17	26.2	30	16	80	240	6 / 96
443518M	18	27.5	30	17	80	255	6 / 96
443519M	19	28.8	30	18	80	236	6 / 96
443520M	20	29.0	30	20	80	244	6 / 96
443521M	21	30.0	30	20	80	240	6 / 96
443522M	22	31.8	30	22	80	296	5 / 60
443523M	23	33.8	30	24	80	300	5 / 60
443524M	24	33.8	30	24	80	308	5 / 60
443525M	25	35.8	30	24	80	342	5 / 60
443526M	26	37.8	30	27	80	344	5 / 60
443527M	27	38.0	30	27	80	356	5 / 60
443528M	28	41.0	30	27	80	424	5 / 50
443529M	29	41.0	30	27	80	404	5 / 50
443530M	30	42.0	30.5	30	80	416	5 / 50
443532M	32	46.0	30	32	80	510	1 / 24
443533M	33	46.0	30	32	80	521	1 / 24
443534M	34	46.0	30	33	80	539	1 / 24
443536M	36	47.0	30	36	80	556	1 / 24
443538M	38	50.0	30	38	80	617	1 / 24
443541M	41	56.0	30	38	80	635	1 / 24
443546M	46	64.0	30	40	80	825	1 / 24

4435S — 1/2"

- ANSI / ASME B107.2





KT NO.	inch	D1 mm	D2 mm	ℓ mm	L mm	g	
443510S	5/16	14	25	12	78	123	6 / 120
443512S	3/8	17	25	12	80	148	6 / 120
443514S	7/16	18	25	13	80	148	6 / 120
443516S	1/2	20	25	14	80	159	6 / 120
443518S	9/16	22	25	14	80	170	6 / 120
443520S	5/8	24	25	16	80	232	6 / 96
443522S	11/16	26	30	17	80	235	6 / 96
443524S	3/4	28.8	30	18	80	251	6 / 96
443526S	13/16	30	30	20	80	243	6 / 96
443528S	7/8	32	30	22	80	292	5 / 60
443530S	15/16	34	30	24	80	308	5 / 60
443532S	1	36	30	24	80	336	5 / 60

KT NO.	inch	D1 mm	D2 mm	ℓ mm	L mm	g	
443534S	1-1/16	38	30	27	80	356	5 / 60
443536S	1-1/8	41	30	27	80	401	5 / 50
443538S	1-3/16	42	30.5	30	80	409	5 / 50
443540S	1-1/4	46	30	32	80	423	1 / 24

Impact Socket Set

4466MP

4466SP 1/2"

- Deep impact socket

Stand size (mm) :
415 x 336 x 320



4466MP / 4466SP

KT NO.	PC.		Contents	Each Q'ty
4466MP	166	4435M	8, 9, 10, 11, 12, 13, 14	8
			15, 16, 17, 18, 19, 20	7
			21, 22, 23, 24	7
			25, 26, 27, 28, 29	6
			30, 32	5
4466SP	110	4435S	5/16, 3/8, 7/16,	8
			1/2, 9/16	8
			5/8, 11/16, 3/4,	7
			13/16, 7/8, 15/16	7
			1, 1-1/16, 1-1/8	6
			1-3/16, 1-1/4	5

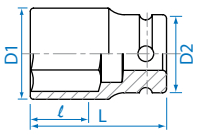
KT NO.	Spec.	Kg	Cuft
4466MP-A	87103	6.37	0.67
4466MP-DA	166 PC. socket content	22.06	0.38
4466MP-DB		24.10	0.45
4466SP-A	87103	6.37	0.67
4466SP-D	110 PC. socket content	28.0	0.47

Impact Thin Wall Socket

KT No. & D1

4835M 1/2"

- DIN 3121

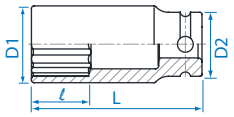




KT NO.	mm	D1 mm	D2 mm	ℓ mm	L mm	g	
483510M	10	16	25	20	52	92	10 / 180
483511M	11	17	25	20	52	92	10 / 180
483512M	12	18	25	20	52	92	10 / 180
483513M	13	19	25	20	52	95	10 / 180
483514M	14	21	25	20	52	101	10 / 180
483516M	16	23	25	20	52	149	8 / 80
483517M	17	25	25	23	52	152	8 / 80
483519M	19	27	30	23	52	148	8 / 80
483521M	21	29	30	25	52	152	8 / 80
483522M	22	31	30	25	52	164	8 / 80
483523M	23	32	30	26	52	172	8 / 80
483524M	24	33	30	26	52	174	8 / 80
483526M	26	36	30	27	65	241	6 / 60
483527M	27	37	30	27	65	248	6 / 60
483530M	30	41	30.5	27	65	296	5 / 50
483535M	35	46	30	32	70	380	1 / 24

4930M 1/2"

- DIN 3121

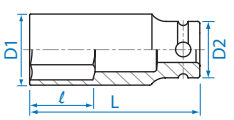




KT NO.	mm	D1 mm	D2 mm	ℓ mm	L mm	g	
493008M	8	13.2	25	20	78	130	6 / 120
493009M	9	14.0	25	20	78	135	6 / 120
493010M	10	15.5	25	20	80	150	6 / 120
493011M	11	16.7	25	20	80	160	6 / 120
493012M	12	18.0	25	20	80	170	6 / 120
493013M	13	19.0	25	20	80	165	6 / 120
493014M	14	20.5	25	20	80	180	6 / 120
493015M	15	21.5	30	20	80	236	6 / 96
493016M	16	23.0	30	20	80	243	6 / 96
493017M	17	24.5	30	23	80	255	6 / 96
493018M	18	25.5	30	23	80	267	6 / 96
493019M	19	27.0	30	23	80	260	6 / 96
493020M	20	28.0	30	23	80	252	6 / 96
493021M	21	29.0	30	25	80	251	6 / 96
493022M	22	30.5	30	25	80	304	5 / 60
493023M	23	32.0	30	26	80	310	5 / 60
493024M	24	33.0	30	26	80	318	5 / 60
493027M	27	37.0	30	27	80	368	5 / 60
493030M	30	40.5	30	27	80	422	5 / 50
493032M	32	42.5	30	27	80	460	5 / 50
493036M	36	45.5	30	32	80	535	1 / 24

4935M 1/2"

- DIN 3121





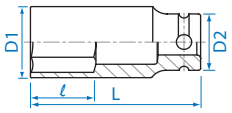
KT NO.	mm	D1 mm	D2 mm	ℓ mm	L mm	g	
493510M	10	15.5	25	20	80	132	6 / 120
493511M	11	16.7	25	20	80	151	6 / 120
493512M	12	18.0	25	20	80	148	6 / 120
493513M	13	19.0	25	20	80	148	6 / 120
493514M	14	20.5	25	20	80	156	6 / 120

KT NO.	mm	D1 mm	D2 mm	ℓ mm	L mm		
493516M	16	23.0	30	20	80	213	6 / 96
493517M	17	24.5	30	23	80	230	6 / 96
493519M	19	27.0	30	23	80	238	6 / 96
493521M	21	29.0	30	25	80	234	6 / 96
493522M	22	30.5	30	25	80	294	5 / 60
493523M	23	32.0	30	26	80	300	5 / 60
493524M	24	33.0	30	26	80	285	5 / 60
493526M	26	35.5	30	27	80	341	5 / 60
493527M	27	37.0	30	27	80	358	5 / 60
493530M	30	40.5	30	27	80	413	5 / 50

Impact Thin Wall Socket

4935S 1/2"

- ANSI / ASME B107.2





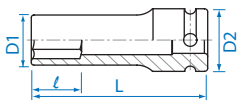
KT NO.	inch	D1 mm	D2 mm	ℓ mm	L mm		
493510S	5/16	13.0	25	20	80	129	6 / 120
493512S	3/8	16.0	25	20	80	145	6 / 120
493514S	7/16	16.7	25	20	80	148	6 / 120
493516S	1/2	19.0	25	20	80	159	6 / 120
493518S	9/16	20.5	25	20	80	165	6 / 120
493520S	5/8	23.0	25	20	80	170	6 / 96
493522S	11/16	24.5	30	23	80	235	6 / 96
493524S	3/4	27.0	30	23	80	255	6 / 96
493526S	13/16	29.0	30	25	80	292	6 / 96
493528S	7/8	30.5	30	25	80	308	5 / 60
493530S	15/16	33.0	30	26	80	336	5 / 60
493532S	1	34.0	30	26	80	356	5 / 60
493534S	1-1/16	37.0	30	27	80	405	5 / 60
493536S	1-1/8	39.0	30	27	80	414	5 / 50
493538S	1-3/16	40.5	30	27	80	417	5 / 50
493540S	1-1/4	42.5	30	27	80	422	5 / 50

Extra Thin Wall Impact Socket

4415M 1/2"

- Finishing - phosphate sunk
- For aluminum alloy wheel
- Material - chrome molybdenum alloy steel
- Super thin wall version has less strength than standard deep one
- DIN 3121

Thin walled design (D1)





KT NO.	mm	D1 mm	D2 mm	ℓ mm	L mm		
441517M	17	23.8	25	17	80	171	6 / 96
441519M	19	25.8	30	20	80	209	6 / 96
441521M	21	27.8	30	22	80	219	6 / 96
441522M	22	29.5	30	24	80	237	6 / 96

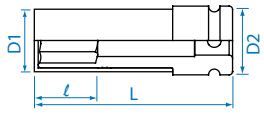
Wheel Nut Impact Socket

KT No. & D1



4945MX 1/2"

- Durable outer sleeve protects polished wheels and lug nut
- DIN 3121

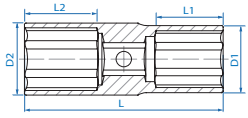




KT NO.	mm	D1 mm	D2 mm	ℓ mm	L mm		
494517MX	17	27.3	30	26	85	214	5 / 60
494519MX	19	29.3	30	26	85	229	5 / 60
494521MX	21	30.9	30	26	85	237	5 / 60

Double - Ended Impact Socket

4915M



4915S 1/2"

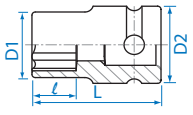


KT NO.	mm / inch	D1 mm	D2 mm	L mm	L1 mm	L2 mm		
49151719M	17 x 19	26	28	77	22	26	210	6 / 96
49151921M	19 x 21	26	28	77	23	26	200	6 / 96
49152122M	21 x 22	30	32	77	20	26	310	5 / 60
49152123M	21 x 23	30	32	77	22	26	310	5 / 60
49152426S	3/4" x 13/16"	26	28	77	23	26	200	6 / 96

Impact Star Socket

4575M 1/2"

- For torx external screw
- DIN 3121





KT NO.	Size	D1 mm	D2 mm	ℓ mm	L mm		
457510M	E10	14.0	25.0	7.5	38	67	10 / 200
457512M	E12	15.9	25.0	9.0	38	69	10 / 200
457514M	E14	17.7	25.0	10.0	38	71	10 / 200
457516M	E16	20.0	25.0	11.0	38	76	10 / 200
457518M	E18	22.0	25.0	12.5	38	79	10 / 200
457520M	E20	24.5	30.0	14.0	38	118	10 / 160

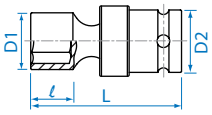
Impact Universal Joint Socket

4B55M — 1/2"

- Special design for confined spaces
- DIN 3121



• Standard Length





KT NO.	mm	D1 mm	D2 mm	ℓ mm	L mm	g	
4B5510M	10	17.0	27.5	12	64	161	10 / 120
4B5511M	11	19.0	27.5	12	64	166	10 / 120
4B5512M	12	19.0	27.5	12	64	162	10 / 120
4B5513M	13	21.8	27.5	12	64	176	10 / 120
4B5514M	14	22.0	27.5	12	64	174	10 / 120
4B5515M	15	22.0	27.5	12	64	172	10 / 120
4B5516M	16	23.9	27.5	12	64	180	10 / 120
4B5517M	17	25.0	27.5	12	64	173	10 / 120
4B5518M	18	25.8	27.5	12	64	173	10 / 120
4B5519M	19	27.9	27.5	12	64	187	10 / 120
4B5521M	21	30.0	27.5	12	64	190	10 / 120
4B5522M	22	31.7	27.5	12	64	196	10 / 120
4B5524M	24	35.8	27.5	12	64	217	6 / 96

Impact Bit Socket

CAUTION

1. Air pressure must not exceed 90PSI (6.3bar)
2. Adjust your air tool to its lowest torque output, should this torque level not be enough, increase it gradually

4055M

- Hexagon head
- DIN 3121



4055S — 1/2"

- Hexagon head
- ANSI / ASME B107.2



KT NO.	mm	L mm	Max. torq Nm	g	
405504M	H4	60	20.8	72	10 / 180
405505M	H5	60	36.0	73	10 / 180
405506M	H6	60	62.4	74	10 / 180
405507M	H7	60	97.0	76	10 / 180
405508M	H8	60	144.0	78	10 / 180
405510M	H10	60	264.0	86	10 / 180
405512M	H12	60	480.0	99	10 / 180
405513M	H13	60	518.0	105	10 / 180
405514M	H14	60	650.0	110	10 / 180
405516M	H16	60	680.0	127	10 / 180
405517M	H17	60	715.0	180	10 / 80
405518M	H18	60	740.0	179	10 / 80
405519M	H19	60	786.0	199	10 / 80

KT NO.	inch	L mm	Max. torq Nm	g	
405506S	3/16	60	36.0	66	10 / 180
405508S	1/4	60	93.6	74	10 / 180
405510S	5/16	60	144.0	77	10 / 180
405512S	3/8	60	264.0	80	10 / 180
405514S	7/16	60	420.0	84	10 / 180
405516S	1/2	60	518.0	88	10 / 180

Impact Bit Socket

4056M — 1/2"

- Spline head
- DIN 3121



KT NO.	Size	L mm	Max. torq Nm	g	
405608M	M 8	60	62.4	73	10 / 180
405610M	M10	60	144.0	81	10 / 180
405612M	M12	60	229.0	88	10 / 180

4053

- For torx internal screw
- DIN 3121

4063 — 1/2"



4053



4063

KT NO.	Size	L mm	g	
405320	T20	60	58.0	10 / 180
405325	T25	60	73.0	10 / 180
405327	T27	60	73.5	10 / 180
405330	T30	60	74.0	10 / 180
405340	T40	60	85.0	10 / 180
405345	T45	60	90.0	10 / 180
405350	T50	60	95.0	10 / 180
405355	T55	60	100.0	10 / 180
405360	T60	60	105.0	10 / 180
405370	T70	60	105.0	10 /180
406325	T25	100	97.0	6 / 120
406327	T27	100	97.5	6 / 120
406330	T30	100	98.0	6 / 120
406340	T40	100	110.0	6 / 120
406345	T45	100	130.0	6 / 120
406350	T50	100	150.0	6 / 120
406355	T55	100	160.0	6 / 120
406360	T60	100	170.0	6 / 120

4015M

- Hexagon head
- DIN 3121

4015S — 1/2"



KT NO.	mm	L mm	Max. torq Nm	g	
401505M	H5	80	36.0	84	6 / 120
401506M	H6	80	62.4	86	6 / 120
401507M	H7	80	97.0	89	6 / 120
401508M	H8	80	144.0	96	6 / 120
401509M	H9	80	229.0	114	6 / 120
401510M	H10	80	264.0	136	6 / 120
401512M	H12	80	480.0	145	6 / 120
401513M	H13	80	518.0	155	6 / 120
401514M	H14	80	650.0	164	6 / 120
401517M	H17	80	715.0	248	6 / 96
401519M	H19	80	786.0	246	6 / 96

KT NO.	inch	L mm	Max. torq Nm	g	
401508S	1/4	80	93.6	87	6 / 120
401510S	5/16	80	144.0	90	6 / 120
401512S	3/8	80	264.0	125	6 / 120
401516S	1/2	80	518.0	150	6 / 120

Impact Bit Socket

KT No. & D1

CAUTION

1. Air pressure must not exceed 90PSI (6.3bar)
2. Adjust your air tool to its lowest torque output, should this torque level not be enough, increase it gradually

1740

- Hex bit & bit holder
- DIN 3121

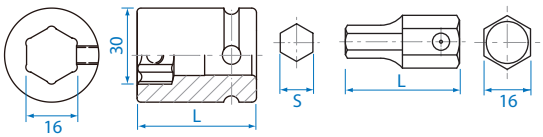


1740

409616M 1/2"



409616M



KT NO.	S mm	L mm	Max. torq Nm		
174010H	H10	40	264.0	46	20 / 400
174012H	H12	40	480.0	52	20 / 400
174014H	H14	40	684.0	60	20 / 200
174017H	H17	40	680.0	73	20 / 200
174019H	H19	40	680.0	80	20 / 200
174022H	H22	40	680.0	97	12 / 120
409616M	16	38	680.0	145	10 / 160

4065M 1/2"

- Hexagon head
- DIN 3121



KT NO.	mm	L mm	Max. torq Nm		
406504M	H4	100	20.8	96	6 / 120
406505M	H5	100	36.0	97	6 / 120
406506M	H6	100	62.4	98	6 / 120
406508M	H8	100	144.0	110	6 / 120
406510M	H10	100	264.0	150	6 / 120
406512M	H12	100	480.0	170	6 / 120
406514M	H14	100	650.0	190	6 / 120

4075M 1/2"

- Hexagon head
- DIN 3121



KT NO.	mm	L mm	Max. torq Nm		
407505M	H5	150	36.0	115	6 / 120
407506M	H6	150	62.4	125	6 / 120
407508M	H8	150	144.0	145	6 / 120
407510M	H10	150	264.0	185	6 / 120
407512M	H12	150	480.0	225	6 / 120
407514M	H14	150	650.0	250	6 / 120

Impact Accessory

4147 1/2"

- Bit holder
- DIN 3121



KT NO.	Size	Overall length mm		
414708S	1/4"	48	69	12 / 216
414710S	5/16"	48	70	12 / 216
414710M	10 mm	48	72	12 / 216

414A08S 1/2"

- Quick-release
- Bit holder
- DIN 3121





KT NO.	Size	Overall length mm		
414A08S	1/4"	51.2	93.6	10 / 180

4260P 1/2"

- Extension bar
- DIN 3121



KT NO.	Overall length inch	mm		
4260-03P	3	75	197	4 / 80
4260-04P	4	100	255	4 / 80
4260-05P	5	125	277	2 / 40
4260-06P	6	150	340	4 / 80
4260-08P	8	200	423	4 / 48
4260-10P	10	250	452	4 / 48
4260-12P	12	300	595	2 / 40
4260-16P	16	400	746	2 / 20

Impact Accessory & Set

4269 — 1/2"

- Torque extension bar
- Color coded and engraved with Nm and ft.lb. setting
- Helps to eliminate overtorqued lug nut

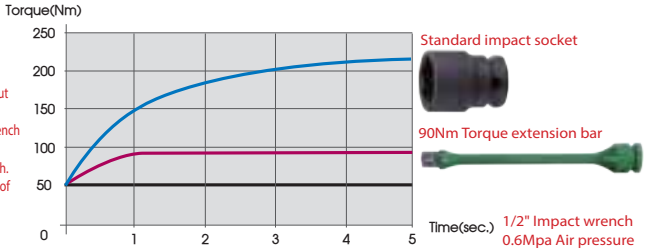
KT NO.	Color	Max. torq Nm	Max. torq ft.lb.	Overall length inch	Overall length mm	g
4269-08-90		90	65	7-11/16	195	192
4269-08-A0		100	75	7-11/16	195	201
4269-08-B0		110	80	7-11/16	195	217
4269-08-C0		120	90	7-11/16	195	224
4269-08-D5		135	100	7-11/16	195	238
4269-08-F0		150	110	7-11/16	195	263
4269-08-G0		160	120	7-11/16	195	304
4269-08-H5		175	130	7-11/16	195	284
4269-08-J0		190	140	7-11/16	195	331
4269-08-K0		200	150	7-11/16	195	344





How to use torque extension bar

1. Use with 1/2"DR. impact wrench, don't use by hand.
2. Set air pressure 0.6 MPa(90 PSI) and adjust torque value between 190 Nm and 210 Nm.
3. Select suitable torque extension bar according to wheel nut size and indicated tightening torque.
4. Attach the torque extension bar with socket to impact wrench and apply load.
5. Check the actual tightening torque value by torque wrench.
6. Adjust air pressure or torque value according to the result of above.
7. Tight other wheel nuts in diagonal order.



4481PP1 — 1/2"

- Torque extension bar set

Contents — 2.58 kg — 1 / 6

	4269-08-90	90 Nm
	4269-08-A0	100 Nm
	4269-08-B0	110 Nm
	4269-08-C0	120 Nm
	4269-08-D5	135 Nm
	4269-08-F0	150 Nm
	4269-08-G0	160 Nm
	4269-08-H5	175 Nm
	4269-08-J0	190 Nm
	4269-08-K0	200 Nm



10 PC.

9TE41

- Hook for torque extension bar
- Groove capacity : 22 mm



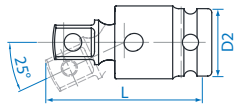


KT NO.	Overall length (mm)	g	
9TE41	311	196.4	1 / 24

Impact Accessory

4796P 1/2"

- Universal joint
- DIN 3121

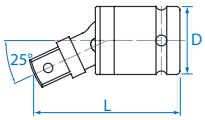




KT NO.	Overall length inch	Overall length mm	D mm	g	pcs/box
4796P	2-3/8	59	25	121	6 / 96

479AP 1/2"

- Universal joint
- DIN 3121





479AP

4797P 1/2"

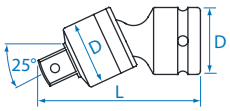


4797P

KT NO.	Overall length inch	Overall length mm	D mm	g	pcs/box
479AP	2-3/8	61	29.1	161	6 / 96
4797P	2-1/2	65	29.1	172	6 / 96

4798P 1/2"

- Universal joint



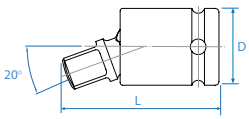


KT NO.	Overall length inch	Overall length mm	D mm	D1 mm	g	pcs/box
4798P	3	74	29.1	29.1	222	6 / 96

4799P new 1/2"

- Short pattern design enables greater access in confined apaces
- Ball point type universal joint & with hex locking design
- DIN 3121



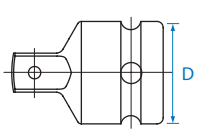




KT NO.	Overall length inch	Overall length mm	D mm	g	pcs/box
4799P	2-3/8	60	30	170	6 / 96

4873P 1/2"

- Adapter
- Convert to 3/8"
- 4873P → Max. torque:303 Nm
- DIN 3121

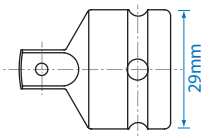




KT NO.	Spec.	D mm	g	pcs/box
4873P	1/2"F x 3/8"M	25	80	10 / 160

4863P 1/2" 4866P

- Adapter
- Convert to 3/8", 3/4" drive
- 4863P → Max. torque : 303 Nm
- DIN 3121





4863P & 4866P

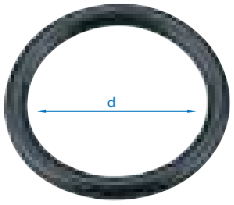
KT NO.	Spec.	g	pcs/box
4863P	1/2"F x 3/8"M	95	10 / 160
4866P	1/2"F x 3/4"M	174	8 / 160

90401 90402 1/2"

- Locking ring
- High tensile rubber material

90601 90602 1/2"

- Locking pin
- Chrome vanadium steel
- DIN 3129



90401
90402



90601
90602

KT NO.	Desp.	Ø	d / ℓ	Applied to socket sizes
90401	ring	3.5	19	4535M (8~14mm) 4535S (15/16"~9/16") 4435M (8~14mm) 4435S (15/16"~9/16") 4015M (5~14mm) 4015S (1/4"~1/2") 4055M (4~14mm) 4055S (3/16"~1/2") 4935M (10~14mm) 4935S (7/16"~9/16") 4415M (17mm) 4575 (E10~E18) 4835M (10~17mm) 4530M (8~14mm)
90601	pin	3.0	20	414A08S.4053.4063.4065.4075.4873.4015 4147.4055.4056
90402	ring	3.5	23	4535M (15~46mm) 4535S (11/16"~1-1/4") 4435M (15~46mm) 4435S (5/8"~1-1/4") 4935M (16~30mm) 4935S (11/16"~1-1/4") 4015M (17.19mm) 4415M (19.21mm) 4530M (15~36mm) 4575M (E20) 4835M (19~30mm)
90602	pin	3.0	25	4260.4796.4797.4863.4873.4866

Impact Socket Rail Set

4423MP 1/2"

- Thin wall version

3 PC.



Contents			0.45 kg	48
○	4835M	17, 19, 21		

7411PP 1/2"

11 PC.



Contents			0.76 kg	4 / 32
✪	3575M	E5, E6, E7, E8		
✪	4575M	E10, E12, E14, E16, E18, E20		
	4863P	1/2"F x 3/8"M		

Impact Socket Set

4408MP 1/2"

Metal case size (mm) :
270 x 73 x 46 (0.032 cuft)

8 PC.



Contents			1.3 kg	1 / 20
○	4535M	10, 12, 13, 14, 17, 19, 21, 24		

4408SP 1/2"

Metal case size (mm) :
270 x 73 x 46 (0.032 cuft)

8 PC.



Contents			1.3 kg	1 / 20
○	4535S	3/8, 7/16, 1/2, 9/16, 11/16, 3/4, 13/16, 15/16		

4412MP 1/2"

Metal case size (mm) :
224 x 94 x 40 (0.03 cuft)

Contents			1.61 kg	1 / 8
○	4535M	10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21		

11 PC.

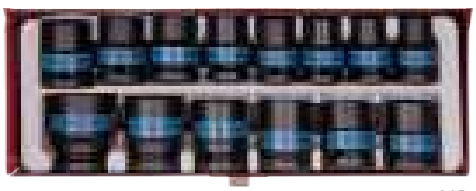


4414MP

Metal case size (mm) :
270 x 100 x 49 (0.047 cuft)

4414SP 1/2"

14 PC.



4414MP



4414SP

KT NO.	Contents		kg	
4414MP	○ 4535M	10, 11, 12, 13, 14, 15, 16, 17,18, 19, 21, 22, 24, 27	2.25	1 / 8
4414SP	○ 4535S	3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1-1/16, 1-1/8, 1-1/4	2.4	

Impact Socket Set

4410MP

Metal case size (mm) :
246 x 103 x 38 (0.034 cuft)

4410MP01



4410MP / 4410MP01

4410SP 1/2"



4410SP

8 PC.

KT NO.		Contents	Kg 2.3	1 / 12
4410MP	4435M	12, 13, 14, 17, 19, 21, 22, 23		
4410MP01	4435M	12, 13, 14, 17, 19, 21, 22, 24		
4410SP	4435S	1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16		

4416SP 1/2"

Metal case size (mm) :
445 x 135 x 50 (0.021 cuft)



14 PC.

Contents	Kg 4.8	1 / 6
4435S	3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1-1/16, 1-1/8, 1-1/4	

4413MP 1/2"

Metal case size (mm) :
270 x 73 x 46 (0.032 cuft)



8 PC.

Contents	Kg 1.37	1 / 20
4835M	10, 12, 13, 14, 17, 19, 21, 24	

4415MP

Metal case size (mm) :
445 x 135 x 50 (0.021 cuft)



4415MP

4415MP03 1/2"



4415MP03

15 PC.

KT NO.		Contents	Kg 4.9	1 / 6
4415MP	4435M	10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 24, 26, 29, 32		
4415MP03		10, 11, 12, 13, 14, 15, 16, 17, 19, 21, 22, 24, 27, 30, 32		

4815MP04

Metal case size (mm) :
445 x 135 x 50 (0.021 cuft)

4815MP05 1/2"



4815MP04 / 4815MP05

15 PC.

KT NO.		Contents	Kg	
4815MP04	4430M	10, 12, 13, 14, 15, 17, 18, 19, 20, 21, 22, 24, 27, 30, 32	5.1	1 / 6
4815MP05		8, 9, 10, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24	4.3	1 / 6

Wheel Nut Impact Socket Set

4405MX 1/2"

- Thin wall impact socket set with plastic sleeve
- Durable outer sleeve protects polished wheels and lug nuts

Blow case size (mm) :
149 x 132 x 45 (0.031 cuft)

Contents			Kg 0.83 / 1 / 16
○		494517MX	17 mm
○		494519MX	19 mm
○		494521MX	21 mm



3 PC.

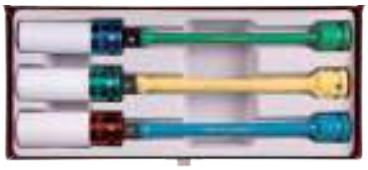
Impact Socket Set

4406MX 1/2"

- Wheel nut impact socket
- Torque extension bar

Metal case size (mm) :
296 x 130 x 41 (0.056 cuft)

Contents			Kg 2.13 / 1 / 10
○		494517MX	17 mm
○		494519MX	19 mm
○		494521MX	21 mm
		4269-08-90	90 Nm
		4269-08-B0	110 Nm
		4269-08-D5	135 Nm



6 PC.

Impact Universal Joint Socket Set

4440MP

4440SP 1/2"

Metal case size (mm) :
318 x 147 x 46 (0.076 cuft)

KT NO.	Contents		Kg 3.3 / 1 / 5
4440MP	○	4A55M	10, 11, 12, 13, 14, 17, 19, 21, 22, 24
4440SP	○	4A55S	3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16



10 PC.

4450MP

4450SP 1/2"

Metal case size (mm) :
318 x 147 x 46 (0.076 cuft)

KT NO.	Contents		Kg 2.6 / 1 / 5
4450MP	○	4B55M	10, 11, 12, 13, 14, 17, 19, 21, 22, 24
4450SP	○	4B55S	3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16



10 PC.

Impact Bit Socket Set

4407MP 1/2"

- For hex head screw
- 60mmL

Metal case size (mm) :
198 x 105 x 32 (0.023 cuft)



7 PC.

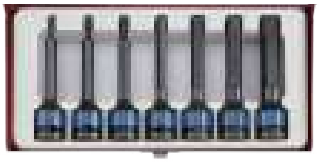
Contents — 0.94 kg / 1 / 20

4055M	H4, H5, H6, H8, H10, H12, H14

4457MP 1/2"

- For hex head screw
- 100mmL

Metal case size (mm) :
244 x 118 x 37 (0.038 cuft)



7 PC.

Contents — 1.44 kg / 1 / 18

4065M	H4, H5, H6, H8, H10, H12, H14

4476MP 1/2"

- For hex head screw
- 150mmL

Metal case size (mm) :
244 x 118 x 37(0.038 cuft)



6 PC.

Contents — 1.47 kg / 1 / 18

4075M	H5, H6, H8, H10, H12, H14

4418MP 1/2"

- For hex head screw
- 60mmL

Metal case size (mm) :
270 x 73 x 46 (0.032 cuft)



8 PC.

Contents — 1.34 kg / 1 / 20

4055M	H5, H6, H8, H10, H12, H14, H17, H19

4417PP 1/2"

- For torx internal screw
- 60mmL

Metal case size (mm) :
198 x 105 x 32 (0.023 cuft)



7 PC.

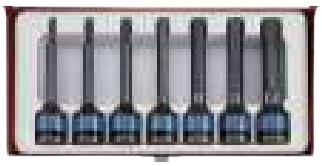
Contents — 0.94 kg / 1 / 20

4053	T25, T30, T40, T45, T50, T55, T60

4467PP 1/2"

- For torx internal screw
- 100mmL

Metal case size (mm) :
244 x 118 x 37 (0.038 cuft)



7 PC.

Contents — 1.31 kg / 1 / 18

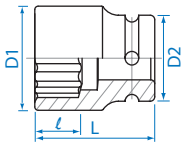
4063	T25, T30, T40, T45, T50, T55, T60

Standard Impact Socket

KT No. & D1

6510M 3/4"

- Lightweight type
- DIN 3121





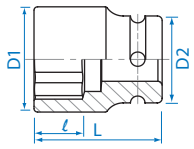
KT NO.	mm	D1 mm	D2 mm	ℓ mm	L mm	g	
651017M	17	29.0	38	10	50	227	8 / 96
651018M	18	30.0	38	10	50	225	8 / 96
651019M	19	32.0	38	10	50	238	8 / 96
651021M	21	35.0	38	13	50	254	8 / 96
651022M	22	36.0	38	13	50	260	8 / 96
651023M	23	37.0	38	15	50	263	8 / 96
651024M	24	38.0	38	15	50	249	8 / 96
651026M	26	38.0	38	15	53	260	6 / 48
651027M	27	42.0	38	18	53	332	6 / 48
651028M	28	44.0	38	18	53	353	6 / 48
651029M	29	45.0	38	18	53	362	6 / 48
651030M	30	46.0	38	20	53	342	6 / 48

Standard Impact Socket

KT No. & D1

6515M — 3/4"

- Lightweight type
- DIN 3121

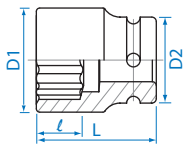




KT NO.	mm	D1 mm	D2 mm	ℓ mm	L mm	g	8 / 96
651514M	14	25.0	38	10	50	215	8 / 96
651515M	15	26.0	38	10	50	217	8 / 96
651516M	16	27.5	38	10	50	220	8 / 96
651517M	17	29.0	38	10	50	225	8 / 96
651518M	18	30.0	38	10	50	230	8 / 96
651519M	19	32.0	38	10	50	238	8 / 96
651521M	21	35.0	38	13	50	252	8 / 96
651522M	22	36.0	38	13	50	257	8 / 96
651523M	23	37.0	38	15	50	283	8 / 96
651524M	24	38.0	38	15	50	288	8 / 96
651525M	25	38.0	38	15	53	321	8 / 96
651526M	26	38.0	38	15	53	321	6 / 48
651527M	27	42.0	38	18	53	320	6 / 48
651528M	28	44.0	38	18	53	345	6 / 48
651529M	29	45.0	38	18	53	350	6 / 48
651530M	30	46.0	38	20	53	360	6 / 48

6530M — 3/4"

- DIN 3129, ISO 2725-2

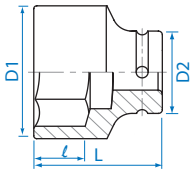




KT NO.	mm	D1 mm	D2 mm	ℓ mm	L mm	g	6 / 48
653017M	17	29.0	44	10	50	316	6 / 48
653019M	19	32.0	44	10	50	329	6 / 48
653021M	21	35.0	44	13	50	341	6 / 48
653022M	22	36.0	44	13	50	346	6 / 48
653023M	23	37.0	44	15	50	350	6 / 48
653024M	24	38.0	44	15	50	352	6 / 48
653026M	26	40.0	44	15	53	358	6 / 48
653027M	27	42.0	44	18	53	380	6 / 48
653028M	28	44.0	44	18	53	394	6 / 48
653029M	29	45.0	44	18	53	404	6 / 48
653030M	30	46.0	44	20	53	412	6 / 48
653032M	32	48.0	44	20	57	460	6 / 36
653033M	33	50.0	44	20	57	479	6 / 36
653034M	34	51.0	44	22	57	491	6 / 36
653035M	35	52.0	44	22	57	497	6 / 36
653036M	36	53.0	44	22	57	519	6 / 36
653038M	38	56.0	44	22	57	540	4 / 32
653040M	40	58.0	44	22	58	567	4 / 32
653041M	41	59.0	44	24	58	580	4 / 32
653042M	42	61.0	44	24	58	600	2 / 24
653046M	46	66.0	44	24	62	950	2 / 24
653063M	63	84.5	54	40	80	1343	1 / 12
653065M	65	86.5	54	43	80	1373	1 / 12
653070M	70	92.0	54	45	83	1451	1 / 12

6535M — 3/4"

- DIN 3121





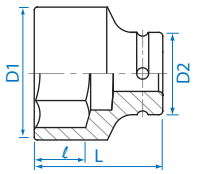
KT NO.	mm	D1 mm	D2 mm	ℓ mm	L mm	g	6 / 48
653513M	13	22.0	38	16	50	208	8 / 96
653517M	17	29.0	44	10	50	316	6 / 48
653518M	18	30.0	44	10	50	324	6 / 48
653519M	19	32.0	44	10	50	329	6 / 48
653521M	21	35.0	44	13	50	341	6 / 48
653522M	22	36.0	44	13	50	346	6 / 48
653523M	23	37.0	44	15	50	350	6 / 48
653524M	24	38.0	44	15	50	352	6 / 48
653526M	26	40.0	44	15	53	358	6 / 48
653527M	27	42.0	44	18	53	380	6 / 48
653528M	28	44.0	44	18	53	394	6 / 48
653529M	29	45.0	44	18	53	404	6 / 48
653530M	30	46.0	44	20	53	412	6 / 48
653531M	31	47.0	44	20	53	460	6 / 48
653532M	32	48.0	44	20	57	460	6 / 36
653533M	33	50.0	44	20	57	479	6 / 36
653534M	34	51.0	44	22	57	491	6 / 36
653535M	35	52.0	44	22	57	497	6 / 36
653536M	36	53.0	44	22	57	519	6 / 36
653538M	38	56.0	44	22	57	540	4 / 32
653540M	40	58.0	44	22	58	567	4 / 32
653541M	41	59.0	44	24	58	580	4 / 32
653542M	42	61.0	44	24	58	616	2 / 24
653543M	43	62.0	44	24	58	636	2 / 24
653544M	44	64.0	44	24	62	676	2 / 24
653545M	45	64.0	44	24	62	700	2 / 24
653546M	46	66.0	44	24	62	717	2 / 24
653548M	48	68.0	44	26	65	925	2 / 24
653550M	50	71.0	44	26	65	955	1 / 20
653552M	52	74.0	54	30	68	1085	1 / 20
653554M	54	76.0	54	30	68	1125	1 / 20
653555M	55	77.0	54	30	70	1160	1 / 20
653557M	57	79.0	54	32	70	1198	1 / 20
653558M	58	81.0	54	32	70	1226	1 / 20
653560M	60	84.0	54	32	70	1313	1 / 20
653563M	63	83.5	54	40	80	1341	1 / 12
653565M	65	85.5	54	43	80	1358	1 / 12
653570M	70	92.0	54	45	83	1580	1 / 12

Standard Impact Socket

KT No. & D1

6535S — 3/4"

- ANSI / ASME B107.2





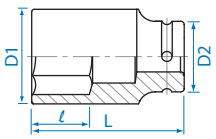
KT NO.	inch	D1 mm	D2 mm	ℓ mm	L mm	g	
653522S	11/16	29	38	10	50	225	8 / 96
653524S	3/4	32	38	10	50	238	8 / 96
653526S	13/16	35	38	13	50	252	8 / 96
653528S	7/8	36	38	13	50	257	8 / 96
653530S	15/16	37	38	15	50	288	8 / 96
653532S	1	38	38	15	53	320	8 / 96
653534S	1-1/16	42	40	18	53	325	6 / 48
653536S	1-1/8	44.7	40	18	53	355	6 / 48
653538S	1-3/16	46	40	20	53	365	6 / 48
653540S	1-1/4	48	44	20	57	460	6 / 36
653542S	1-5/16	50	44	20	57	479	6 / 36
653544S	1-3/8	52	44	22	57	497	6 / 36
653546S	1-7/16	54	44	22	57	529	6 / 36
653548S	1-1/2	56	44	22	57	540	4 / 32
653550S	1-9/16	58	44	22	58	567	4 / 32
653552S	1-5/8	59	44	24	58	580	4 / 32
653554S	1-11/16	63.5	44	25	58	636	2 / 24

KT NO.	inch	D1 mm	D2 mm	ℓ mm	L mm	g	
653556S	1-3/4	64	44	25	62	676	2 / 24
653558S	1-13/16	66	44	25.5	62	717	2 / 24
653560S	1-7/8	68	44	27	65	925	2 / 24
653562S	1-15/16	70	44	27	65	955	1 / 20
653564S	2	72	54	28	68	1035	1 / 20
653566S	2-1/16	74	54	30	68	1078	1 / 20
653568S	2-1/8	76	54	30	68	1122	1 / 20
653570S	2-3/16	77	54	30.5	70	1151	1 / 20
653572S	2-1/4	79	54	32.5	70	1208	1 / 20
653574S	2-5/16	81	54	32.5	70	1245	1 / 20
653576S	2-3/8	84	54	33.5	70	1349	1 / 20

Deep Impact Socket

6435M — 3/4"

- DIN 3121

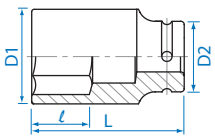




KT NO.	mm	D1 mm	D2 mm	ℓ mm	L mm	g	
643519M	19	32	44	16	90	558	1 / 24
643521M	21	35	44	18	90	592	1 / 24
643522M	22	36	44	18	90	607	1 / 24
643523M	23	37	44	23	90	607	1 / 24
643524M	24	38	44	23	90	626	1 / 24
643525M	25	40	44	25	90	661	1 / 24
643526M	26	40	44	25	90	623	1 / 24
643527M	27	42	44	27	90	623	1 / 24
643528M	28	44	44	27	90	670	1 / 24
643529M	29	45	44	27	90	670	1 / 24
643530M	30	46	44	27	90	691	1 / 24
643532M	32	48	44	30	90	728	1 / 24
643533M	33	50	44	30	90	790	1 / 24
643534M	34	51	44	32	90	794	1 / 24
643535M	35	52	44	32	90	803	1 / 24
643536M	36	53	44	32	90	809	1 / 24
643538M	38	56	44	34	90	882	1 / 24
643540M	40	58	44	34	90	928	1 / 24
643541M	41	59	44	34	90	938	1 / 24
643542M	42	61	44	36	95	1074	1 / 24
643543M	43	62	44	38	95	1103	1 / 10
643544M	44	64	44	38	95	1180	1 / 10
643546M	46	66	44	38	95	1210	1 / 10
643548M	48	68	44	40	95	1391	1 / 10
643550M	50	71	44	40	95	1479	1 / 10
643555M	55	77	54	45	100	1810	1 / 10
643560M	60	84.5	54	50	100	2010	1 / 6
643565M	65	86.5	54	54	100	1990	1 / 6

6435S — 3/4"

- ANSI / ASME B107.2





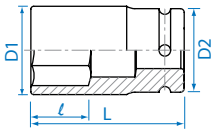
KT NO.	inch	D1 mm	D2 mm	ℓ mm	L mm	g	
643524S	3/4	32	38	16	90	455	1 / 24
643526S	13/16	35	38	18	90	490	1 / 24
643528S	7/8	36	38	18	90	495	1 / 24
643530S	15/16	37	38	23	90	495	1 / 24
643532S	1	38	38	25	90	500	1 / 24
643534S	1-1/16	42	44	27	90	624	1 / 24
643536S	1-1/8	44.7	44	27	90	680	1 / 24
643538S	1-3/16	46	44	27	90	684	1 / 24
643540S	1-1/4	48	44	30	90	733	1 / 24
643542S	1-5/16	50	44	30	90	789	1 / 24
643544S	1-3/8	52	44	32	90	804	1 / 24
643546S	1-7/16	54	44	32	90	844	1 / 24
643548S	1-1/2	56	44	34	90	871	1 / 24
643550S	1-9/16	58	44	34	90	928	1 / 24
643552S	1-5/8	59	44	34	90	941	1 / 24
643554S	1-11/16	63.5	44	38	95	1111	1 / 10
643556S	1-3/4	64	44	38	95	1168	1 / 10
643558S	1-13/16	66	44	38	95	1241	1 / 10
643560S	1-7/8	68	54	40	95	1397	1 / 10
643562S	1-15/16	70	54	40	95	1448	1 / 10
643564S	2	72	54	40	95	1521	1 / 10

Thin Wall Impact Socket

KT No. & D1

6835M — 3/4"

- DIN 3121

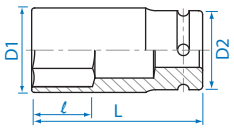




KT NO.	mm	D1 mm	D2 mm	ℓ mm	L mm	g	
683517M	17	28.0	44	16	60	320	6 / 48
683519M	19	30.0	44	16	60	348	6 / 48
683521M	21	33.0	44	18	60	355	6 / 48
683522M	22	34.0	44	18	60	362	6 / 48
683523M	23	35.0	44	23	60	370	6 / 48
683524M	24	36.5	44	23	60	378	6 / 48
683526M	26	39.0	44	25	80	400	1 / 24
683527M	27	40.0	44	26	80	424	1 / 24
683529M	29	43.0	44	26	80	460	1 / 24
683530M	30	44.0	44	26	80	478	1 / 24
683532M	32	46.5	44	26	80	512	1 / 24

6935M — 3/4"

- DIN 3121

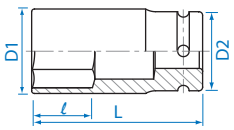




KT NO.	mm	D1 mm	D2 mm	ℓ mm	L mm	g	
693519M	19	30.0	44	16	90	562	1 / 24
693521M	21	33.0	44	18	90	597	1 / 24
693522M	22	34.0	44	18	90	612	1 / 24
693523M	23	35.0	44	23	90	614	1 / 24
693524M	24	36.5	44	23	90	619	1 / 24
693526M	26	39.0	44	25	90	629	1 / 24
693527M	27	40.0	44	27	90	631	1 / 24
693529M	29	43.0	44	27	90	672	1 / 24
693530M	30	44.0	44	27	90	693	1 / 24
693532M	32	46.5	44	30	90	733	1 / 24

6935S — 3/4"

- ANSI / ASME B107.2



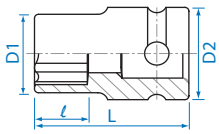


KT NO.	inch	D1 mm	D2 mm	ℓ mm	L mm	g	
693524S	3/4	30.0	38	16	90	370	1 / 24
693526S	13/16	33.0	38	18	90	380	1 / 24
693528S	7/8	34.0	38	18	90	385	1 / 24
693530S	15/16	36.5	38	23	90	415	1 / 24
693532S	1	38.0	38	23	90	500	1 / 24
693534S	1-1/16	40.0	44	25	90	654	1 / 24
693536S	1-1/8	43.0	44	25	90	680	1 / 24
693538S	1-3/16	44.0	44	27	90	684	1 / 24
693540S	1-1/4	46.5	44	30	90	733	1 / 24

Impact Star Socket

6575M — 3/4"

- For torx external screw
- DIN 3121



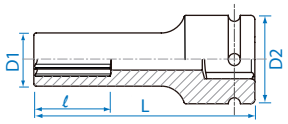


KT NO.	Size	D1 mm	D2 mm	ℓ mm	L mm	g	
657524M	E24	32.5	44.0	17.0	50	382	6 / 48
657526M	E26	35.0	44.0	19.0	60	403	6 / 48
657528M	E28	36.5	44.0	25.5	60	414	6 / 48
657530M	E30	37.5	44.0	27.0	65	460	1 / 24
657532M	E32	39.5	44.0	29.0	65	470	1 / 24

Deep Impact Star Socket

6475M — 3/4"

- For torx external screw
- DIN 3121
- For the operation of cylinder head bolts
- E18 application MAN M 2000 / Bus with D 08 engine
- E20 application MAN F 2000 / F 90/ F 8/ Bus with D 25 and D 28 engines
- E24 application MAN D20 engine





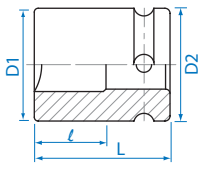
KT NO.	Size	D1 mm	D2 mm	ℓ mm	L mm	g	
647518M	E18	26.5	44.0	12.5	110	635	1 / 10
647520M	E20	29.0	44.0	14.0	110	680	1 / 10
647522M	E22	31.0	44.0	15.0	110	700	1 / 10
647524M	E24	32.5	44.0	17.0	110	736	1 / 10

Rear Wheel Socket

KT No. & D1

6514M — 3/4"

- 4 points
- DIN 3121





KT NO.	Size	D1 mm	D2 mm	ℓ mm	L mm	g	
651417M	17	39.8	34	28	53	350	1 / 24
651419M	19	39.8	34	28	53	332	1 / 24
651420M	20	41.8	36	28	53	377	1 / 24
651421M	21	41.8	36	28	53	370	1 / 24

Impact Bit Socket

KT No. & D1

6015M 3/4"

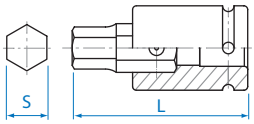
- Hexagon head
- DIN 3121



KT NO.	mm	L mm	Max. torq Nm	g	
601514M	H14	87	684	325	2 / 48
601517M	H17	87	1136	343	2 / 48
601519M	H19	87	1577	365	2 / 48
601521M	H21	87	2134	490	1 / 24
601522M	H22	87	2436	522	1 / 24
601524M	H24	87	3190	555	1 / 24
601527M	H27	87	4535	604	1 / 24

609616MxxH

- DIN 3121



609622MxxH 3/4"



609616MxxH



609622MxxH

KT NO.	S mm	mm	L (mm)	Max. torq Nm	g	
609616M10H	H10	16	77	264	416	4 / 40
609616M12H	H12	16	77	480	422	4 / 40
609616M14H	H14	16	77	684	430	4 / 40
609616M17H	H17	16	77	880	443	4 / 40
609616M19H	H19	16	77	880	450	4 / 40
609616M22H	H22	16	77	880	473	4 / 40
609622M19H	H19	22	93	1577	670	1 / 24
609622M22H	H22	22	93	2436	692	1 / 24
609622M24H	H24	22	93	2436	706	1 / 24
609622M27H	H27	22	93	2436	730	1 / 24
609622M30H	H30	22	93	2436	744	1 / 24
609622M32H	H32	22	93	2436	783	1 / 24

1740

- Hex bit & bit holder
- DIN 3121

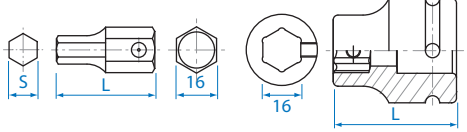


1740

609616M 3/4"



609616M



KT NO.	S mm	L mm	Max. torq Nm	g	
174010H	H10	40	264	46	20 / 400
174012H	H12	40	480	52	20 / 400
174014H	H14	40	684	60	20 / 200
174017H	H17	40	880	73	20 / 200
174019H	H19	40	880	80	20 / 200
174022H	H22	40	880	97	12 / 120
609616M	16	52	-	370	6 / 48

1954

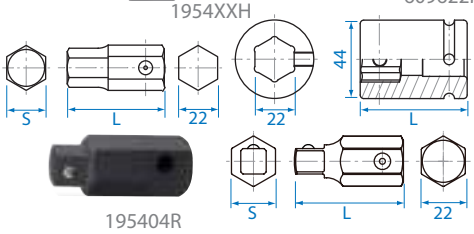
- Hex bit & bit holder
- DIN 3121

609622M 3/4"



1954XXH

609622M



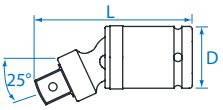
195404R

KT NO.	S mm	L mm	Max. torq Nm	g	
195419H	H19	54.5	1577	140	12 / 120
195422H	H22	54.5	2436	162	12 / 120
195424H	H24	54.5	2436	176	10 / 100
195427H	H27	54.5	2436	200	10 / 100
195430H	H30	54.5	2436	232	6 / 60
195432H	H32	54.5	2436	243	6 / 60
609622M	22	60.0	-	530	6 / 48
195404R	1/2"M	54.5	-	135	12 / 120

Impact Accessory

6797

- Universal joint
- DIN 3121



6797P 3/4"



6797

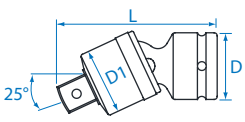


6797P

KT NO.	Overall length inch	Overall length mm	D mm	g	
6797	4-1/2	114	44	742	2 / 20
6797P	4-1/2	114	44	742	2 / 20

6798

- Universal joint
- DIN 3121



6798P 3/4"



6798



6798P

KT NO.	Overall length inch	Overall length mm	D (mm)	D1 (mm)	g	
6798	4-1/4	108	44	44	736	2 / 20
6798P	4-1/4	108	44	44	736	2 / 20

Impact Accessory

KT No. & D1

6260 6260P 3/4"

- Extension bar
- DIN 3121



6260



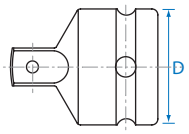
6260P

KT NO.	Overall length inch	Overall length mm	g	
6260-04	4	100	577	2 / 20
6260-07	7	175	867	2 / 20
6260-10	10	250	1155	1 / 16
6260-13	13	330	1423	1 / 10
6260-04P	4	100	577	2 / 20
6260-07P	7	175	867	2 / 20
6260-10P	10	250	1155	1 / 16
6260-13P	13	330	1423	1 / 10

6864 6864P

6868 6868P 3/4"

- Adapter
- Convert to 1/2" drive
- 6864 → Max. torque : 512 Nm
- DIN 3121



6864 / 6864P
6868 / 6868P



6864 &6868

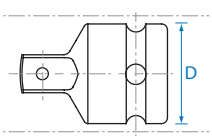


6864P &6868P

KT NO.	Spec.	D (mm)	g	
6864	3/4"F x 1/2"M	44	313	6 / 48
6868	3/4"F x 1"M	44	413	6 / 48
6864P	3/4"F x 1/2"M	44	313	6 / 48
6868P	3/4"F x 1"M	44	413	6 / 48

6874 6874P 3/4"

- Adapter
- Convert to 1/2" drive
- 6874 → Max. torque : 768 Nm
- DIN 3121



6874 / 6874P



6874



6874P

KT NO.	Spec.	D (mm)	g	
6874	3/4"F x 1/2"M	38	255	6 / 48
6874P	3/4"F x 1/2"M	38	255	6 / 48

90403 90404 90405 3/4"

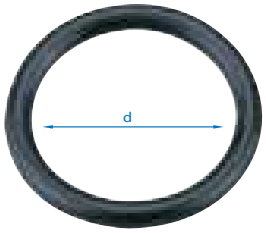
- Locking ring
- High tensile rubber material

90603 90604 90607 3/4"

- Locking pin
- Chrome vanadium steel
- DIN 3129



90603
90604
90607



90403
90404
90405

KT NO.	Desp.	ø	d / ℓ	Applied to socket sizes
90403	ring	3.5	33	6015M (14~19mm) 6435S (3/4"~1") 6510M (17~30mm) 6535S (11/16"~1-3/16") 6515M (17~30mm) 6935S (3/4"~1")
90607	pin	3.0	30	6874
90404	ring	5.5	37	6535M (17~46mm) 6535S (1-1/4" ~1-13/16") 6435M (19~46mm) 6435S (1-1/16"~1-13/16") 6935M (19~32mm) 6935S (1-1/16"~1-1/4")
90603	pin	4.0	35	6015M (21~27mm) 6260.6797.6798.6864 6530M (17~46mm) 6868 6835M (17~32mm) 609616M.609622M
90405	ring	5.5	44	6535M (48~65mm) 6535S (1-7/8" ~ 2-3/8") 6435M (48~50mm) 6435S (1-7/8" ~ 2")
90604	pin	4.0	45	

Impact Bit Socket Set

6411MP 3/4"

Metal case size (mm) :
270 x 100 x 49 (0.048 cuft)



11 PC.

Contents — Kg 2.77 — 1 / 8

6096M	16, 22	
1740	H10, H12, H14, H17	
1954	H19, H22, H24, H27, H32	

Impact Socket Set

6408MP

Metal case size (mm) :
241 x 124 x 68 (0.07 cuft)

6408MP10

6408SP10 3/4"



8 PC.

6408MP / 6408MP10 / 6408SP10

KT NO.		Contents	Kg	
6408MP	○ 6535M	19, 22, 24, 27, 30, 32, 36, 38	3.9	1 / 6
6408MP10	○ 6515M	19, 22, 24, 27, 30	3.9	
	○ 6535M	32, 36, 38		
6408SP10	○ 6535S	3/4, 7/8, 15/16, 1-1/16, 1-3/16, 1-1/4, 1-7/16, 1-1/2	3.8	

6409MP

Metal case size (mm) :
445 x 100 x 65 (0.10 cuft)

6409MP03

6409SP10 3/4"



6409MP / 6409MP03



6409SP10

8 PC.

KT NO.		Contents	Kg	
6409MP	○ 6535M	26, 29, 30, 32, 34, 35, 36, 38	4.7	1 / 2
6409MP03	○ 6535M	21, 22, 24, 27, 30, 32, 36, 41	4.7	
6409SP10	○ 6535S	1, 1-1/16, 1-1/8, 1-1/4, 1-5/16, 1-3/8, 1-7/16, 1-1/2	4.8	

6410MP

Metal case size (mm) :
445 x 100 x 65 (0.10 cuft)

6410SP 3/4"



6410MP



6410SP

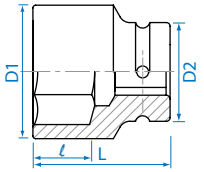
8 PC.

KT NO.		Contents	Kg 7.1	1 / 2
6410MP	○ 6435M	26, 29, 30, 32, 34, 35, 36, 38		
6410SP	○ 6435S	1, 1-1/16, 1-1/8, 1-1/4, 1-5/16, 1-3/8, 1-7/16, 1-1/2		

Standard Impact Socket

8535M — 1"

- DIN 3129, ISO 2725-2

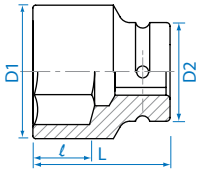




KT NO.	mm	D1 mm	D2 mm	ℓ mm	L mm	g	
853519M	19	35	54	15	58	508	1 / 24
853521M	21	37	54	15	58	529	1 / 24
853522M	22	38	54	15	58	520	1 / 24
853523M	23	39	54	17	58	542	1 / 24
853524M	24	41	54	17	58	529	1 / 24
853525M	25	42	54	17	58	567	1 / 24
853526M	26	43	54	19	58	558	1 / 24
853527M	27	44	54	19	58	538	1 / 24
853528M	28	45	54	19	58	538	1 / 24
853529M	29	47	54	19	58	600	1 / 24
853530M	30	48	54	20	60	592	1 / 24
853532M	32	51	54	20	62	679	1 / 24
853533M	33	52	54	20	62	700	1 / 24
853534M	34	53	54	20	62	766	1 / 24
853535M	35	54	54	20	62	779	1 / 24
853536M	36	56	54	20	65	729	1 / 24
853537M	37	56	54	22	65	706	1 / 24
853538M	38	58	54	22	65	742	1 / 24
853540M	40	60	54	22	65	800	1 / 24
853541M	41	61	54	22	70	846	1 / 24
853542M	42	64	54	22	70	890	1 / 20
853544M	44	67	54	26	70	1000	1 / 20
853545M	45	67	54	26	70	953	1 / 20
853546M	46	68	54	26	75	1075	1 / 20
853548M	48	70	54	26	75	1085	1 / 20
853550M	50	73	54	26	75	1170	1 / 20
853552M	52	75	54	30	80	1300	1 / 12
853553M	53	76	54	30	80	1300	1 / 12
853554M	54	78	54	30	80	1400	1 / 12
853555M	55	79	54	32	83	1433	1 / 12
853558M	58	83	54	32	83	1542	1 / 12
853560M	60	86	54	32	87	1758	1 / 12
853563M	63	90	54	34	87	1750	1 / 12
853565M	65	92	54	34	90	1758	1 / 12
853566M	66	94	54	34	90	1966	1 / 12
853568M	68	95	54	34	90	1966	1 / 12
853570M	70	97	54	34	93	2112	1 / 8
853571M	71	99	86	36	93	2925	1 / 8
853575M	75	104	86	36	95	3188	1 / 8
853580M	80	110	86	43	95	3350	1 / 4
853585M	85	115	86	43	95	3250	1 / 4
853590M	90	122	86	43	100	3950	1 / 4
853595M	95	130	95	52	105	4290	1 / 2
8535A0M	100	136	95	51	105	4600	1 / 2

8535S — 1"

- ANSI / ASME B107.2



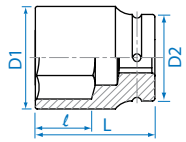


KT NO.	inch	D1 mm	D2 mm	ℓ mm	L mm	g	
853524S	3/4	35	54	15	58	508	1 / 24
853526S	13/16	37	54	15	58	529	1 / 24
853528S	7/8	38	54	15	58	520	1 / 24
853530S	15/16	41	54	17	58	529	1 / 24
853532S	1	42	54	17	58	567	1 / 24
853534S	1-1/16	44	54	19	58	538	1 / 24
853536S	1-1/8	47	54	19	58	600	1 / 24
853538S	1-3/16	48	54	20	60	592	1 / 24
853540S	1-1/4	51	54	20	62	679	1 / 24
853542S	1-5/16	52	54	20	62	700	1 / 24
853544S	1-3/8	54	54	20	62	779	1 / 24
853546S	1-7/16	56	54	20	65	729	1 / 24
853548S	1-1/2	58	54	22	65	742	1 / 24
853550S	1-9/16	60	54	22	65	800	1 / 24
853552S	1-5/8	61	54	22	70	846	1 / 24
853554S	1-11/16	64	54	22	70	890	1 / 20
853556S	1-3/4	67	54	26	70	1000	1 / 20
853558S	1-13/16	68	54	26	75	1075	1 / 20
853560S	1-7/8	70	54	26	75	1085	1 / 20
853562S	1-15/16	72	54	26	75	1140	1 / 20
853564S	2	74	54	30	75	1235	1 / 20
853566S	2-1/16	75	54	30	80	1300	1 / 12
853568S	2-1/8	78	54	30	80	1400	1 / 12
853570S	2-3/16	79	54	32	83	1433	1 / 12
853572S	2-1/4	82	54	32	83	1500	1 / 12
853574S	2-5/16	83	54	32	83	1542	1 / 12
853576S	2-3/8	86	54	32	87	1758	1 / 12
853578S	2-7/16	88	54	34	87	1760	1 / 12
853580S	2-1/2	90	54	34	87	1750	1 / 12
853582S	2-9/16	92	54	34	90	1758	1 / 12
853584S	2-5/8	94	54	34	90	1966	1 / 12
853586S	2-11/16	95	54	34	90	1966	1 / 12
853588S	2-3/4	97	54	34	93	2112	1 / 8
853590S	2-13/16	99	86	36	93	2925	1 / 8
853592S	2-7/8	102	86	36	93	3050	1 / 8
853594S	2-15/16	104	86	36	95	3188	1 / 8
853596S	3	106	86	36	95	3205	1 / 8
8535A0S	3-1/8	110	86	43	95	3350	1 / 4
8535A4S	3-1/4	112	86	43	95	3300	1 / 4
8535A8S	3-3/8	117	86	43	100	3550	1 / 4
8535B2S	3-1/2	122	86	43	100	3950	1 / 4

Deep Impact Socket

8435M — 1"

- DIN 3121

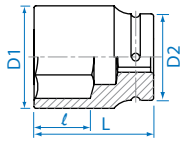




KT NO.	mm	D1 mm	D2 mm	ℓ mm	L mm	g	
843524M	24	41	54	25	90	850	1 / 24
843527M	27	44	54	25	90	879	1 / 24
843528M	28	45	54	25	90	892	1 / 24
843530M	30	48	54	28	90	916	1 / 24
843532M	32	51	54	28	90	979	1 / 24
843533M	33	52	54	28	92	1016	1 / 24
843534M	34	53	54	28	92	1029	1 / 24
843535M	35	54	54	28	92	1016	1 / 24
843536M	36	56	54	32	92	1033	1 / 24
843538M	38	58	54	32	92	1025	1 / 24
843540M	40	60	54	32	92	1075	1 / 24
843541M	41	61	54	32	92	1083	1 / 24
843542M	42	64	54	32	92	1100	1 / 24
843546M	46	68	54	35	95	1137	1 / 10
843548M	48	70	54	35	95	1400	1 / 10
843550M	50	73	54	35	95	1518	1 / 10
843552M	52	75	54	40	100	1637	1 / 6
843554M	54	78	54	40	100	1750	1 / 6
843555M	55	79	54	40	100	1862	1 / 6
843558M	58	83	54	42	100	1925	1 / 6
843560M	60	86	54	42	100	2050	1 / 6
843565M	65	92	54	50	110	2663	1 / 6
843570M	70	97	54	59	110	2921	1 / 6

8435S — 1"

- ANSI / ASME B107.1



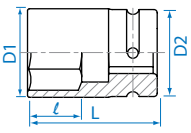


KT NO.	inch	D1 mm	D2 mm	ℓ mm	L mm	g	
843530S	15/16	40.8	54	25	90	850	1 / 24
843532S	1	42	54	25	90	860	1 / 24
843534S	1-1/16	44	54	25	90	879	1 / 24
843536S	1-1/8	46.3	54	25	90	900	1 / 24
843538S	1-3/16	48	54	28	90	916	1 / 24
843540S	1-1/4	51	54	28	90	979	1 / 24
843542S	1-5/16	52	54	28	92	1016	1 / 24
843544S	1-3/8	54	54	28	92	1016	1 / 24
843546S	1-7/16	56	54	32	92	1033	1 / 24
843548S	1-1/2	58	54	32	92	1025	1 / 24
843550S	1-9/16	60	54	32	92	1075	1 / 24
843552S	1-5/8	61	54	32	92	1083	1 / 24
843554S	1-11/16	64	54	32	92	1100	1 / 24
843556S	1-3/4	67	54	32	92	1120	1 / 12
843558S	1-13/16	68	54	35	95	1137	1 / 12
843560S	1-7/8	70	54	35	95	1400	1 / 6
843562S	1-15/16	72	54	35	95	1480	1 / 6
843564S	2	74	54	35	95	1577	1 / 6
843566S	2-1/16	75	54	40	100	1637	1 / 6
843568S	2-1/8	78	54	40	100	1750	1 / 6
843570S	2-3/16	79	54	40	100	1862	1 / 6
843572S	2-1/4	82	54	42	100	1900	1 / 6

Thin Wall Impact Socket

8835M — 1"

- Thin wall version
- 6 points
- Metric size
- DIN 3121





KT NO.	mm	D1 mm	D2 mm	ℓ mm	L mm	g	
883524M	24	38.0	54	26	80	701	1 / 24
883527M	27	42.0	54	26	80	716	1 / 24
883529M	29	44.0	54	26	80	743	1 / 24
883530M	30	46.0	54	30	80	755	1 / 24
883532M	32	48.0	54	30	80	740	1 / 24
883533M	33	49.0	54	30	80	779	1 / 24
883534M	34	50.0	54	30	80	761	1 / 24
883535M	35	52.0	54	32	80	805	1 / 24
883536M	36	53.0	54	32	80	781	1 / 24
883538M	38	56.0	54	32	80	833	1 / 24
883541M	41	59.5	54	32	80	879	1 / 24

Rear Wheel Socket

8514M — 8514S — 8524M — 1"

- 4 points
- DIN 3121



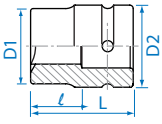
8514M



8524M



8514S

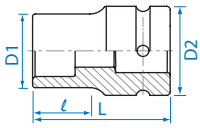


KT NO.	SQ	D1 mm	D2 mm	ℓ mm	L mm	g	
851417M	17	40.0	54	30.0	60	618	1 / 24
851419M	19	42.0	54	30.0	60	618	1 / 24
851420M	20	43.0	54	30.0	60	621	1 / 24
851421M	21	44.0	54	30.0	60	621	1 / 24
851422M	22	45.5	54	30.0	60	621	1 / 24
852421M	21	44.0	48	30.0	60	621	1 / 24
851426S	13/16	44	54	30.0	60	625	1 / 24

Rear Wheel Socket

8534M — 1"

- 4 points
- DIN 3121



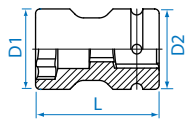


KT NO.	SQ	D1 mm	D2 mm	ℓ mm	L mm	g	
853417M	17	38.0	54	23.5	76	628	1 / 24
853419M	19	43.0	54	23.5	76	682	1 / 24
853421M	21	47.0	54	23.5	76	733	1 / 24

8545M — 1"

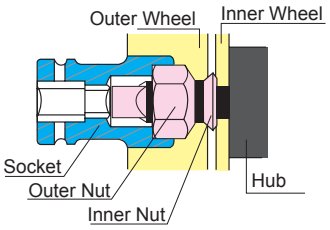
- DIN 3121
- 17SQ x35MM Isuzu, Mitsubishi, Nissan, Mazda
- 19SQ x41MM Mazda
- 20SQ x38MM Hino, Toyota, Daihatsu
- 20SQ x41MM Hino, Toyota, Daihatsu
- 21SQ x41MM Scania, Isuzu, Hino, Mitsubishi, Nissan







Use for



The wheel nut socket fits onto both outer nut and inner nut

KT NO.	SQ	mm	D1 mm	D2 mm	ℓ mm	L mm	g	
85451735M	17	x 35	54	54	13	83	1042	1 / 24
85451941M	19	x 41	55	54	14	87	985	1 / 24
85452038M	20	x 38	58	54	14	83	1099	1 / 24
85452041M	20	x 41	58	54	14	87	1086	1 / 24
85452141M	21	x 41	58	54	14	87	1071	1 / 24

Impact Bit Socket

8015M — 1"

- Hexagon head
- DIN 3121



KT NO.	mm	L mm	g	
801519M	H19	75	860	1 / 24

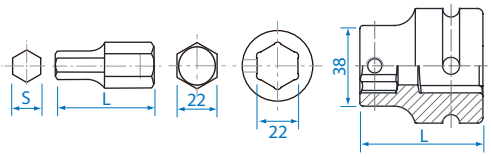
1954

- Hex bit & bit holder
- DIN 3121

809622M — 1"


1954

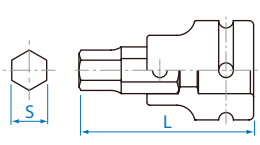

809622M



KT NO.	S mm	L mm	Max. torq Nm	g	
195419H	H19	54.5	1577	140	12 / 120
195422H	H22	54.5	2436	162	12 / 120
195424H	H24	54.5	2436	176	10 / 100
195427H	H27	54.5	2436	200	10 / 100
195430H	H30	54.5	2436	232	6 / 60
195432H	H32	54.5	2436	243	6 / 60
809622M	22	58.0	-	756	1 / 24

809622MxxH — 1"

- Hexagon head
- DIN 3121





KT NO.	S mm	mm	L (mm)	Max. torq Nm	g	
809622M19H	H19	22	93	1577	896	1 / 10
809622M22H	H22	22	93	2436	918	1 / 10
809622M24H	H24	22	93	2436	932	1 / 10
809622M27H	H27	22	93	2436	956	1 / 10
809622M30H	H30	22	93	2436	988	1 / 10
809622M32H	H32	22	93	2436	999	1 / 10

Impact Accessory

8260 / 8260P 1"

- Extension bar
- DIN 3121



KT NO.	Overall Length inch	Overall Length mm	g	
8260-07	7	175	1393	1 / 12
8260-10	10	250	1891	1 / 12
8260-13	13	330	2455	1 / 8
8260-07P	7	175	1393	1 / 12
8260-10P	10	250	1891	1 / 12
8260-13P	13	330	2455	1 / 8

8869 / 8869P 1"

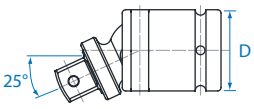
- Adapter
- Convert to 1-1/2" drive
- DIN 3121



KT NO.	Spec.	g	
8869	1" F x 1-1/2"M	963	1 / 24
8869P	1" F x 1-1/2"M	963	1 / 24

8797 / 8797P 1"

- Universal joint
- DIN 3121

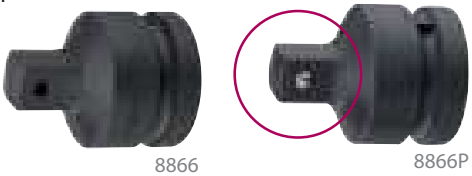




KT NO.	Overall Length inch	Overall Length mm	D mm	g	
8797	5	125	60	1530	1 /18
8797P	5	125	60	1530	1 /18

8866 / 8866P 1"

- Adapter
- Convert to 3/4" drive
- 8866 → Max. torque : 1412 Nm
- DIN 3121



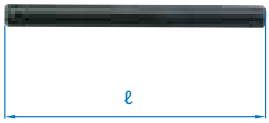
KT NO.	Spec.	g	
8866	1"F x 3/4"M	562	4 / 32
8866P	1"F x 3/4"M	562	4 / 32

90405 / 90406 1"

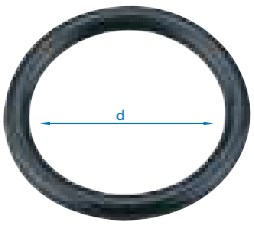
- Locking ring
- High tensile rubber material

90605 / 90606 1"

- Locking pin
- Chrome vanadium steel
- DIN 3129



90605
90606



90405
90406

KT NO.	Desp.	ø	d / ℓ	Applied to socket sizes
90405	ring	5.5	44	8535M (19~70mm) 8535S (3/4"~2-3/4") 8435M (24~60mm) 8435S (15/16"~2-1/4") 8835M (24~60mm) 8514M.8514S.8534M.806519M 8260.8797.8866.8869
90605	pin	5.0	45	
90406	ring	10	75	8535M (71~90mm) 8535S (2-13/16"~3-1/2")
90606	pin	5.0	75	

Impact Socket Set

8404MP new 1"

Metal case size (mm) :
241 x 124 x 68 (0.51 cuft)



4 PC.

Contents	4.65	1 / 4
8435M	27, 30, 32, 33	

8409MP 1"

Metal case size (mm) :
445 x 100 x 65 (0.104 cuft)

8 PC.



Contents	8.9	1 / 2
8435M	24, 27, 30, 32, 33, 36, 38, 41	

8408MP

8408MP02 1"

- 6 PC. thin wall deep version
- 2 PC. rear wheel, square

Metal case size (mm) :
445 x 120 x 68 (0.128 cuft)

8 PC.



KT NO.	Contents			6.4	1 / 4
8408MP	8835M	24, 27, 32, 36, 38, 41	8534M		17, 21
8408MP02					19, 21

8410MP

8410SP 1"

Metal case size (mm) :
280 x 130 x 74 (0.095 cuft)



8 PC.

KT NO.	Contents		6.4	1 / 4
8410MP	8535M	24, 27, 30, 32, 33, 36, 38, 41		
8410SP	8535S	15/16, 1-1/16, 1-3/16, 1-1/4, 1-5/16, 1-7/16, 1-1/2, 1-5/8		

Impact Accessory

9260

9260P 1-1/2"

- Extension bar
- DIN 3121



9260



9260P

KT NO.	Overall length inch	mm	g	
9260-13	13	330	5900	1 / 4
9260-13P	13	330	5900	1 / 4

9868

9868P 1-1/2"

- Adapter
- Convert to 1" drive
- Max. → torque : 2515 Nm
- DIN 3121



9868



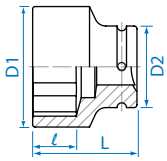
9868P

KT NO.	Spec.	g	
9868	1-1/2" F x 1"M	2360	1 / 6
9868P	1-1/2" F x 1"M	2360	1 / 6

Standard Impact Socket

9535M — 1-1/2"

- DIN 3129



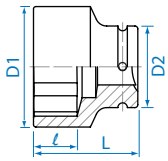


KT NO.	mm	D1 mm	D2 mm	ℓ mm	L mm	Kg	
953532M	32	56	86	23	80	1.94	1 / 6
953533M	33	57	86	23	80	1.93	1 / 6
953534M	34	58	86	24	80	1.94	1 / 6
953536M	36	62	86	26	80	1.90	1 / 6
953538M	38	64	86	26	80	2.00	1 / 6
953541M	41	68	86	28	80	2.12	1 / 6
953542M	42	70	86	28	80	2.29	1 / 6
953546M	46	73	86	30	85	2.23	1 / 6
953550M	50	78	86	32	85	2.30	1 / 6
953555M	55	85	86	36	93	2.66	1 / 6
953560M	60	90	86	40	95	2.84	1 / 6
953565M	65	96	86	42	100	3.15	1 / 6
953570M	70	103	86	46	103	3.46	1 / 6
953575M	75	108	86	48	105	3.70	1 / 4
953580M	80	115	86	52	105	3.90	1 / 4
953585M	85	121	86	55	110	4.17	1 / 4
953590M	90	127	86	58	110	4.60	1 / 4
953595M	95	134	127	50	110	7.57	1 / 1
9535A0M	100	140	127	53	115	8.10	1 / 1
9535A5M	105	146	127	53	115	8.34	1 / 1
9535B0M	110	152	127	56	125	9.40	1 / 1
9535B5M	115	160	127	60	125	9.76	1 / 1
9535C0M	120	166	127	62	130	10.46	1 / 1
9535C5M	125	172	127	65	135	11.14	1 / 1
9535D0M	130	180	127	68	140	12.42	1 / 1
9535D5M	135	185	127	70	145	13.09	1 / 1
9535E0M	140	190	127	75	150	13.57	1 / 1
9535F0M	150	200	127	80	155	14.27	1 / 1



9535S — 1-1/2"

- ANSI / ASME B107.1



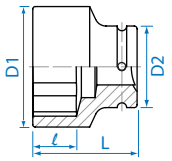


KT NO.	inch	D1 mm	D2 mm	ℓ mm	L mm	Kg	
953564S	2	81	86	35	85	2.40	1 / 6
953566S	2-1/16	82	86	36	85	3.07	1 / 6
953568S	2-1/8	84	86	36	90	3.21	1 / 6
953570S	2-3/16	85	86	43	93	3.20	1 / 6
953572S	2-1/4	87	86	43	93	3.20	1 / 6
953574S	2-5/16	89	86	43	93	3.26	1 / 6
953576S	2-3/8	90	86	45	95	2.95	1 / 6
953578S	2-7/16	93	86	44	95	3.42	1 / 6
953580S	2-1/2	95	86	46	97	3.54	1 / 6
953582S	2-9/16	96	86	49	100	3.61	1 / 6
953584S	2-5/8	99	86	48	100	3.78	1 / 6
953586S	2-11/16	101	86	48	100	3.84	1 / 6
953588S	2-3/4	103	86	48	103	4.08	1 / 6
953590S	2-13/16	105	86	50	105	4.19	1 / 6
953592S	2-7/8	107	86	50	105	3.60	1 / 6
953594S	2-15/16	108	86	50	105	3.70	1 / 6
953596S	3	111	86	50	105	4.46	1 / 4
953598S	3-1/16	114	86	52	105	4.57	1 / 4
9535A0S	3-1/8	116	86	53	105	4.68	1 / 4
9535A2S	3-3/16	118	86	53	105	4.74	1 / 4
9535A4S	3-1/4	120	86	54	105	4.82	1 / 4
9535A6S	3-5/16	122	86	56	105	4.87	1 / 4
9535A8S	3-3/8	123	86	56	105	4.87	1 / 4
9535B0S	3-7/16	125	86	57	105	4.95	1 / 4
9535B2S	3-1/2	129	86	60	110	5.44	1 / 4
9535B4S	3-9/16	130	86	60	110	5.43	1 / 4
9535B6S	3-5/8	131	86	60	110	5.43	1 / 4
9535B8S	3-11/16	133	86	62	113	5.46	1 / 1
9535C0S	3-3/4	136	127	62	113	8.14	1 / 1
9535C2S	3-13/16	138	127	64	120	9.09	1 / 1
9535C4S	3-7/8	139	127	66	120	8.95	1 / 1
9535C6S	3-15/16	140	127	66	120	8.93	1 / 1
9535C8S	4	142	127	66	120	8.10	1 / 1
9535D0S	4-1/16	143	127	68	120	8.91	1 / 1
9535D2S	4-1/8	146	127	68	120	8.34	1 / 1
9535D4S	4-3/16	146	127	70	120	8.91	1 / 1
9535D6S	4-1/4	150	127	72	124	9.40	1 / 1
9535D8S	4-5/16	154	127	72	124	10.02	1 / 1
9535E0S	4-3/8	155	127	72	124	9.99	1 / 1
9535E2S	4-7/16	155	127	75	128	10.11	1 / 1
9535E4S	4-1/2	159	127	75	128	9.76	1 / 1
9535E8S	4-5/8	164	127	79	132	13.73	1 / 1
9535F2S	4-3/4	167	127	79	132	11.14	1 / 1
9535F6S	4-7/8	171	127	79	136	12.42	1 / 1
9535G0S	5	174	127	79	140	13.09	1 / 1
9535G4S	5-1/8	180	127	80	143	13.89	1 / 1
9535G8S	5-1/4	184	127	80	145	13.57	1 / 1
9535J2S	6	203	127	85	165	14.27	1 / 1

Standard Impact Socket

A535M — 2-1/2"

- DIN 3129



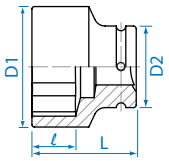


KT NO.	mm	D1 mm	D2 mm	ℓ mm	L mm	Kg	
A535041M	41	78	127	39	115	5.98	1 / 4
A535046M	46	83	127	39	115	5.97	1 / 4
A535050M	50	88	127	39	115	6.05	1 / 4
A535051M	51	89	127	39	115	6.06	1 / 4
A535055M	55	94	127	42	115	6.14	1 / 4
A535057M	57	96	127	42	115	6.18	1 / 4
A535060M	60	100	127	45	125	6.87	1 / 2
A535065M	65	105	127	48	125	6.90	1 / 2
A535070M	70	110	127	50	125	6.93	1 / 2
A535075M	75	115	127	55	125	7.14	1 / 2
A535076M	76	120	127	55	125	7.14	1 / 2
A535077M	77	120	127	55	125	7.15	1 / 2
A535080M	80	123	127	57	125	7.22	1 / 2
A535085M	85	127	127	60	130	7.54	1 / 2
A535086M	86	127	127	60	130	7.47	1 / 2
A535090M	90	135	127	65	130	7.90	1 / 2
A535095M	95	140	127	70	140	8.56	1 / 2
A535100M	100	145	127	70	140	9.08	1 / 2
A535105M	105	155	127	70	142	10.18	1 / 2
A535110M	110	160	127	76	155	11.51	1 / 2
A535115M	115	165	127	78	155	18.39	1 / 2
A535120M	120	175	127	80	160	18.99	1 / 1
A535125M	125	180	127	82	165	19.87	1 / 1
A535130M	130	185	127	85	170	20.64	1 / 1
A535135M	135	190	127	90	175	21.75	1 / 1
A535140M	140	200	127	95	180	24.06	1 / 1
A535145M	145	205	127	95	183	24.96	1 / 1
A535150M	150	210	127	100	190	26.91	1 / 1
A535155M	155	215	175	100	195	27.99	1 / 1
A535160M	160	225	175	100	200	31.13	1 / 1
A535165M	165	230	175	105	205	32.45	1 / 1
A535170M	170	235	175	105	205	33.15	1 / 1
A535175M	175	240	175	110	210	34.52	1 / 1
A535180M	180	250	175	110	213	38.23	1 / 1
A535185M	185	255	175	110	213	39.84	1 / 1
A535190M	190	265	175	115	220	41.49	1 / 1
A535200M	200	275	175	120	225	44.44	1 / 1
A535210M	210	285	175	125	235	48.78	1 / 1
A535215M	215	290	175	125	240	51.21	1 / 1
A535225M	225	305	175	135	250	57.57	1 / 1
A535235M	235	315	175	140	260	62.92	1 / 1

(Make - to - order production)

A535S — 2-1/2"

- ANSI / ASME B107.1





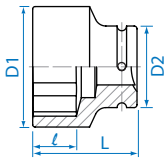
KT NO.	inch	D1 mm	D2 mm	ℓ mm	L mm	Kg	
A535076S	2-3/8	100	127	45	125	6.89	1 / 2
A535078S	2-7/16	103	127	45	125	6.93	1 / 2
A535080S	2-1/2	103	127	48	125	6.85	1 / 2
A535082S	2-9/16	105	127	48	125	6.90	1 / 2
A535084S	2-5/8	107	127	50	125	6.94	1 / 2
A535088S	2-3/4	110	127	50	125	6.93	1 / 2
A535090S	2-13/16	115	127	50	125	7.04	1 / 2
A535094S	2-15/16	115	127	55	125	7.16	1 / 2
A535096S	3	120	127	55	125	7.20	1 / 2
A535100S	3-1/8	123	127	57	125	7.26	1 / 2
A535108S	3-3/8	127	127	60	130	7.48	1 / 2
A535112S	3-1/2	135	127	65	130	7.98	1 / 2
A535120S	3-3/4	140	127	70	140	8.56	1 / 2
A535124S	3-7/8	145	127	70	140	8.65	1 / 2
A535126S	3-15/16	145	127	70	140	8.76	1 / 2
A535132S	4-1/8	155	127	70	142	9.91	1 / 2
A535136S	4-1/4	160	127	75	155	11.74	1 / 2
A535138S	4-5/16	160	127	75	155	12.52	1 / 2
A535144S	4-1/2	165	127	78	155	12.61	1 / 2
A535148S	4-5/8	175	127	80	160	19.18	1 / 1
A535156S	4-7/8	180	127	82	165	19.87	1 / 1
A535160S	5	185	127	82	165	20.02	1 / 1
A535164S	5-1/8	185	127	85	170	20.42	1 / 1
A535168S	5-1/4	190	127	90	175	21.81	1 / 1
A535172S	5-3/8	200	127	95	180	23.90	1 / 1
A535180S	5-5/8	205	127	95	183	24.43	1 / 1
A535184S	5-3/4	205	127	95	183	26.30	1 / 1
A535188S	5-7/8	210	127	100	190	26.62	1 / 1
A535192S	6	215	175	100	195	29.10	1 / 1
A535196S	6-1/8	220	175	100	195	28.69	1 / 1
A535200S	6-1/4	220	175	100	195	28.58	1 / 1
A535204S	6-3/8	225	175	100	200	30.77	1 / 1
A535208S	6-1/2	230	175	105	205	31.05	1 / 1
A535212S	6-5/8	235	175	105	205	32.17	1 / 1
A535216S	6-3/4	235	175	105	205	33.68	1 / 1
A535220S	6-7/8	240	175	110	210	32.41	1 / 1
A535224S	7	245	175	110	210	35.53	1 / 1
A535240S	7-1/2	265	175	115	220	41.16	1 / 1
A535244S	7-5/8	265	175	115	220	41.52	1 / 1
A535252S	7-7/8	275	175	120	225	44.46	1 / 1
A535256S	8	280	175	120	230	45.89	1 / 1

(Make - to - order production)

Standard Impact Socket

B535M — 3-1/2"

- DIN 3129



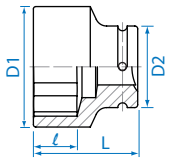


KT NO.	mm	D1 mm	D2 mm	ℓ mm	L mm	Kg	
B535105M	105	165	175	70	175	18.73	1 / 1
B535110M	110	170	175	75	175	19.19	1 / 1
B535115M	115	175	175	78	180	19.74	1 / 1
B535120M	120	180	175	80	185	20.24	1 / 1
B535125M	125	185	175	82	185	21.86	1 / 1
B535130M	130	190	175	85	194	22.70	1 / 1
B535135M	135	200	175	90	200	24.24	1 / 1
B535140M	140	205	175	95	205	25.59	1 / 1
B535145M	145	210	175	95	210	31.12	1 / 1
B535150M	150	215	175	100	210	32.38	1 / 1
B535160M	160	230	175	100	220	35.85	1 / 1
B535165M	165	235	175	105	224	37.92	1 / 1
B535170M	170	240	175	105	225	38.71	1 / 1
B535175M	175	245	175	110	230	40.05	1 / 1
B535180M	180	255	200	110	230	43.77	1 / 1
B535185M	185	260	200	110	235	46.94	1 / 1
B535190M	190	270	200	115	240	50.60	1 / 1
B535200M	200	280	200	120	245	52.90	1 / 1
B535210M	210	290	200	125	250	57.50	1 / 1
B535215M	215	300	200	125	250	60.06	1 / 1
B535225M	225	310	200	135	265	61.50	1 / 1
B535235M	235	315	200	140	267	67.91	1 / 1

(Make - to - order production)

B535S — 3-1/2"

- ANSI / ASME B107.1



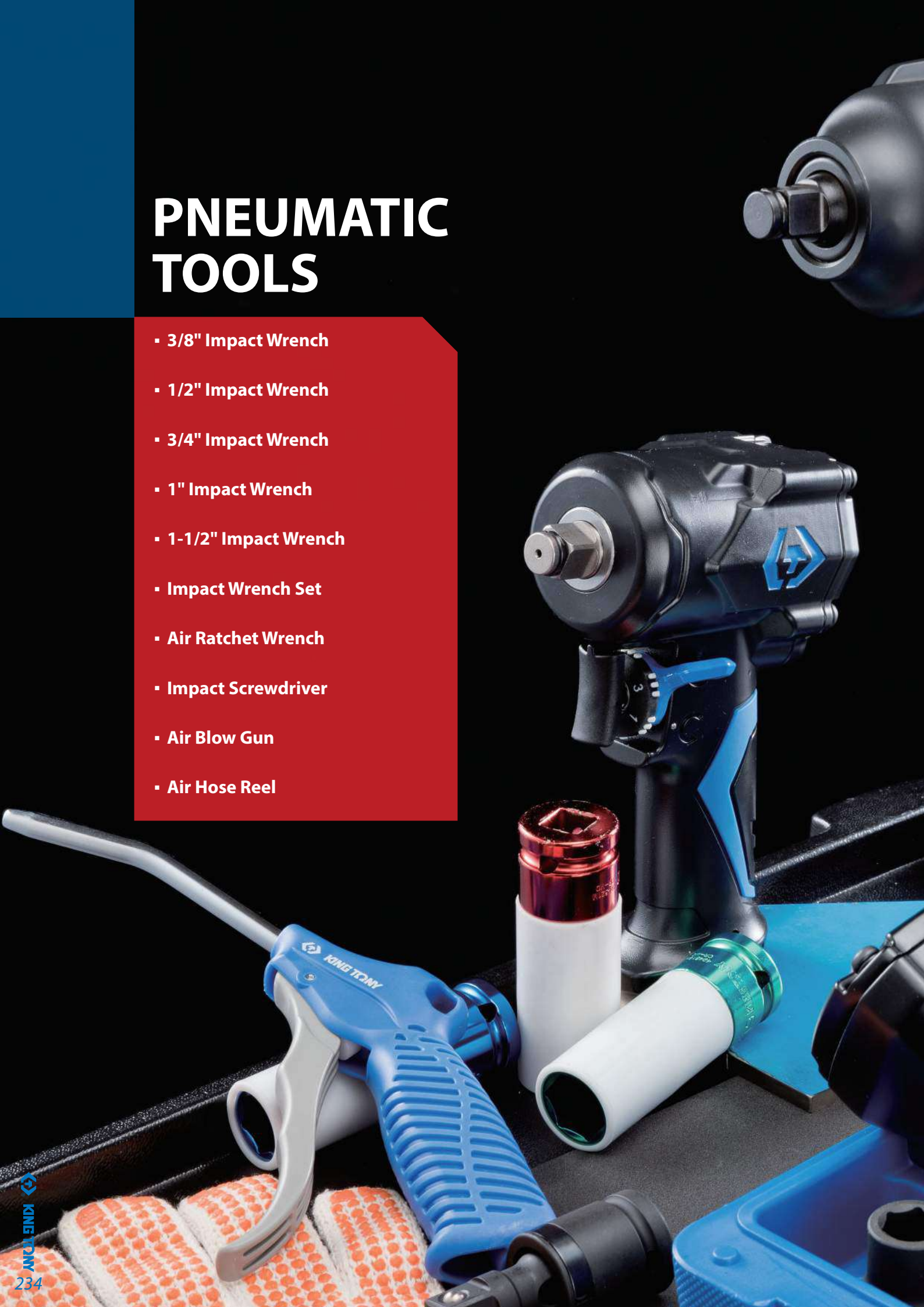


KT NO.	inch	D1 mm	D2 mm	ℓ mm	L mm	Kg	
B535132S	4-1/8	165	175	70	175	18.74	1 / 1
B535136S	4-1/4	168	175	75	175	19.08	1 / 1
B535140S	4-3/8	170	175	75	175	19.74	1 / 1
B535144S	4-1/2	175	175	78	180	19.72	1 / 1
B535148S	4-5/8	175	175	80	180	19.95	1 / 1
B535152S	4-3/4	180	175	80	185	20.14	1 / 1
B535156S	4-7/8	185	175	82	185	22.04	1 / 1
B535160S	5	190	175	82	194	21.59	1 / 1
B535164S	5-1/8	190	175	85	194	22.64	1 / 1
B535168S	5-1/4	200	175	90	200	23.59	1 / 1
B535172S	5-3/8	200	175	95	200	24.64	1 / 1
B535176S	5-1/2	205	175	95	205	25.57	1 / 1
B535180S	5-5/8	205	175	95	205	30.53	1 / 1
B535184S	5-3/4	210	175	95	210	31.92	1 / 1
B535188S	5-7/8	215	175	100	210	32.50	1 / 1
B535192S	6	220	175	100	215	33.43	1 / 1
B535196S	6-1/8	220	175	100	215	34.28	1 / 1
B535200S	6-1/4	230	175	100	220	35.13	1 / 1
B535204S	6-3/8	230	175	100	220	36.51	1 / 1
B535208S	6-1/2	235	175	105	224	37.76	1 / 1
B535212S	6-5/8	235	175	105	224	37.98	1 / 1
B535216S	6-3/4	240	175	105	225	38.70	1 / 1
B535220S	6-7/8	245	175	110	230	39.87	1 / 1
B535224S	7	250	200	110	230	41.99	1 / 1
B535228S	7-1/8	255	200	110	230	44.24	1 / 1
B535232S	7-1/4	260	200	110	235	46.61	1 / 1
B535236S	7-3/8	270	200	115	240	48.11	1 / 1
B535240S	7-1/2	270	200	115	240	50.65	1 / 1
B535244S	7-5/8	275	200	115	240	51.49	1 / 1
B535248S	7-3/4	280	200	120	245	52.11	1 / 1
B535252S	7-7/8	280	200	120	245	53.59	1 / 1
B535256S	8	285	200	120	245	55.59	1 / 1
B535260S	8-1/8	290	200	120	250	56.25	1 / 1
B535264S	8-1/4	290	200	125	250	57.50	1 / 1
B535268S	8-3/8	300	200	125	250	59.14	1 / 1
B535272S	8-1/2	300	200	125	250	59.43	1 / 1
B535276S	8-5/8	305	200	135	260	61.94	1 / 1
B535280S	8-3/4	310	200	135	265	64.58	1 / 1
B535284S	8-7/8	315	200	140	267	66.14	1 / 1

(Make - to - order production)

PNEUMATIC TOOLS

- 3/8" Impact Wrench
- 1/2" Impact Wrench
- 3/4" Impact Wrench
- 1" Impact Wrench
- 1-1/2" Impact Wrench
- Impact Wrench Set
- Air Ratchet Wrench
- Impact Screwdriver
- Air Blow Gun
- Air Hose Reel



Mechanical structure



New Twin Hammer



Twin Hammer



Jumbo Hammer



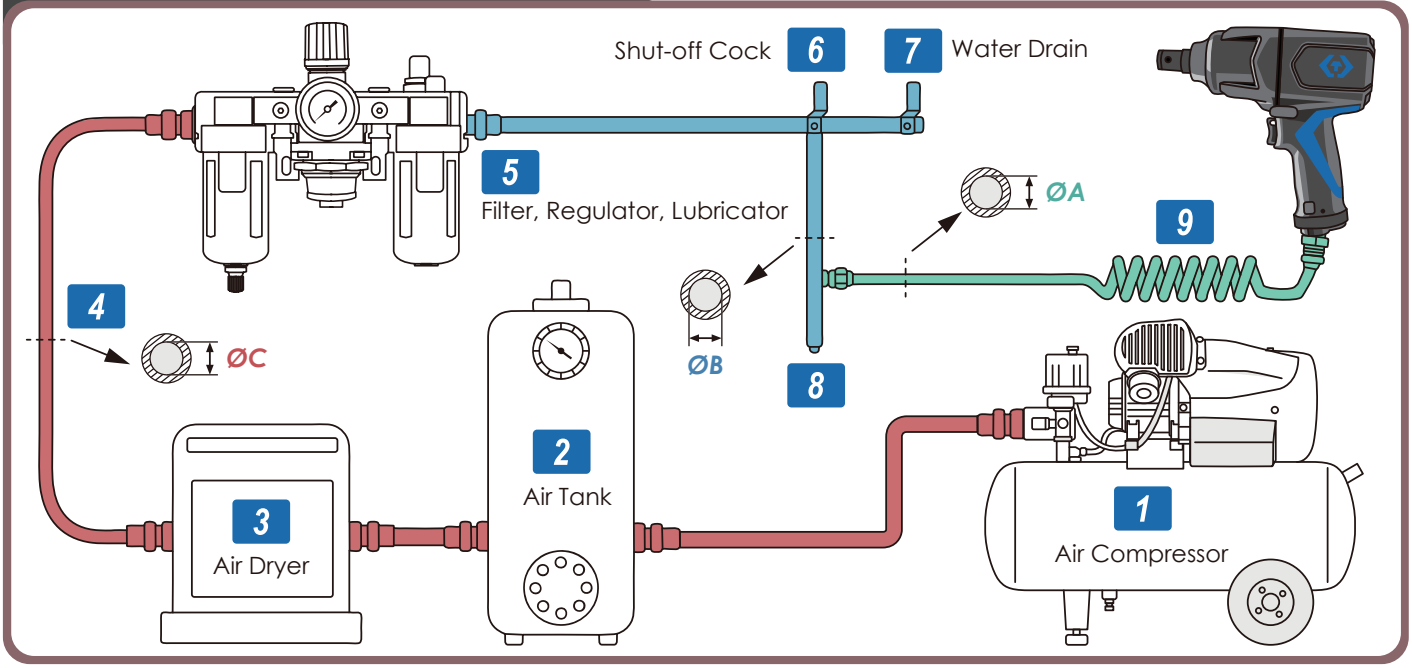
Twin Dog



Twin Pinless Clutch

What you need to know

Air supply system :



Piping diameters and length requirement :

ØA = Follow air tools specification table, length should be less than 4.5m.
ØB = 2 times tools hose size. (ØB = 2xØA)
ØC = 3 times tools hose size. (ØC = 3xØA)

KING TONY

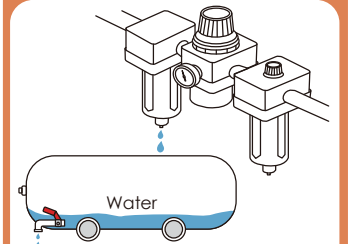
Preparation



▪ Set the air pressure

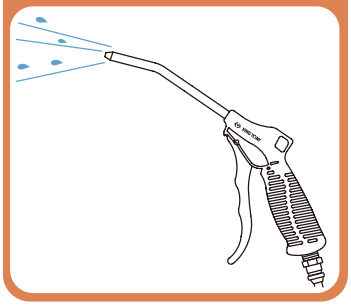


▪ Oil for pneumatic tool SAE#10

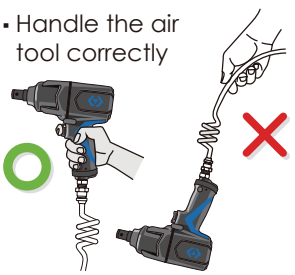


▪ Drain the water

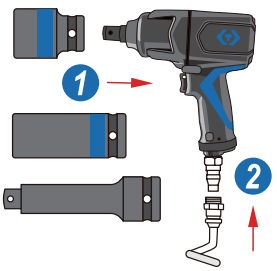


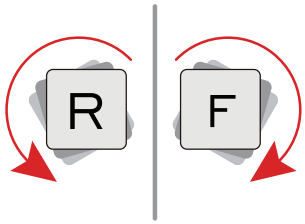


▪ Handle the air tool correctly

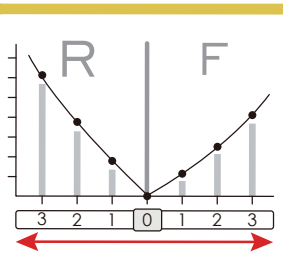


Operation



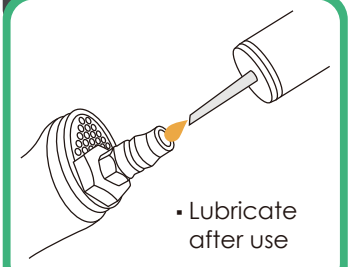


▪ Select the direction



▪ Adjust the torque

Maintenance



▪ Lubricate after use



▪ Store



▪ Dispose

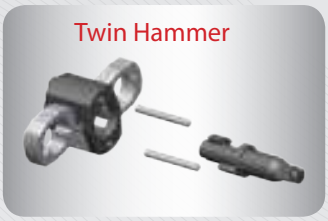
KT NO.	Drive	Max. torque Ft.lb	Max. torque Nm	Type: Standard	Type: Lightweight	Type: Mini.	Working place	Anvil: STD	Anvil: Long	Page
33311-020 33311-021	3/8"	200	271					○		239
33411-020 33411-021		200	271					○		239
33491-030 33491-031		300	407					○		240
33431-050 33431-051		500	678					○		241
33411-040 33411-041		500	678					○		242
33412-040 33412-041	1/2"	500	678						(2")	242
33421-040 33421-041		500	678					○		242
33411-050 33411-051		650	881					○		242
33412-050 33412-051		650	881						(2")	242
33431-065		650	881					○		243
new 33461-100 new 33461-101		1000	1356					○		238
33481-095 33481-096		950	1288					○		244
33611-055 33611-056		700	949					○		243
33612-055 33612-056		700	949						(2")	243
33621-075 33621-076		800	1085					○		243
33622-075 33622-076	3/4"	800	1085						(6")	243
33681-100 33681-101		1100	1491					○		244
33631-110 33631-111		1100	1491					○		244
33632-110 33632-111		1100	1491						(6")	244
33671-160 33672-160		1600	2170					○	(6")	246
33851-120 33851-121		1200	1626					○		245
33852-120 33852-121		1200	1626						(6")	245
33811-150 33812-150		1500	2033					○	(6")	247
33871-160 33872-160	1"	1600	2170					○	(6")	246
33841-180 33842-180		1800	2440					○	(6")	245
33831-180 33832-180		1800	2440					○	(6")	247
33861-200 33862-200		2000	2712					○	(6")	248
33851-250 33852-250		2500	3388					○	(8")	249
33911-250 33912-250	1-1/2"	2500	3388					○	(8")	249
33921-300 33922-300		3000	4065					○	(8")	249

1/2" DR. Super Duty Composite Impact Wrench



33461-100 new

33461-101 new





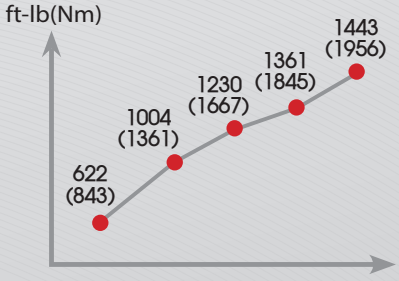


- TPR ergonomic handle material reduces vibration



- 3-speed power setting, full speed in reverse





KT NO.	Square drive inch	Square drive mm	Std. bolt size inch	Std. bolt size mm	Free speed R.P.M	Max. torque ft.lb	Max. torque Nm	Overall length inch	Overall length mm	Air inlet inch	Air hose ID	Air pressure bar	Air pressure PSI	Avg. air consumption L/min	Avg. air consumption CFM	Sound DBA	Vib M/S2	Net weight kgs	Net weight lbs	
33461-100	1/2"	12.70	1"	M24	9500	1000	1356	7.5	190	1/4" BSPT	3/8"	6.2	90	207	7.3	99.2	13.32	2.40	5.28	1 / 8
33461-101	1/2"	12.70	1"	M24	9500	1000	1356	7.5	190	1/4" NPT	3/8"	6.2	90	207	7.3	99.2	13.32	2.40	5.28	1 / 8

Impact Wrench

33311

- Nickel chrome molybdenum square driver
- Variable speed trigger
- Muffled on handle exhaust

Jumbo Hammer



33411





3/8"

33311



1/2"

33411

KT NO.	Square drive inch	Square drive mm	Type Std/Long anvil	Std. bolt size inch	Std. bolt size mm	Free speed R.P.M	Max. torque ft.lb	Max. torque Nm	Overall length inch	Overall length mm	Air inlet inch	Air hose ID	Air pressure bar	Air pressure PSI	Avg. air consumption L/min	Avg. air consumption CFM	Sound DBA	Vib M/S2	Net weight kgs	Net weight lbs	
33311-020	3/8"	9.53	Std.anvil	7/16"	M11	10000	200	271	5-1/2"	139	1/4" BSPT	3/8"	6.2	90	71	2.5	95.35	3.78	1.35	2.98	1 / 10
33311-021	3/8"	9.53	Std.anvil	7/16"	M11	10000	200	271	5-1/2"	139	1/4" NPT	3/8"	6.2	90	71	2.5	95.35	3.78	1.35	2.98	1 / 10
33411-020	1/2"	12.70	Std.anvil	7/16"	M11	10000	200	271	5-1/2"	139	1/4" BSPT	3/8"	6.2	90	71	2.5	95.48	5.11	1.35	2.98	1 / 10
33411-021	1/2""	12.70	Std.anvil	7/16"	M11	10000	200	271	5-1/2"	139	1/4" NPT	3/8"	6.2	90	71	2.5	95.48	5.11	1.35	2.98	1 / 10



Ultra Compact Angle Impact Wrench

33491-030

Mini.

- Easy to work in confined space, head length 88mm
- Ergonomic handle in hand and great power setting
- Lightweight : 1.4Kg
- Max. torque : 350ft.lb (475Nm) in reverse







- 3-speed power setting

3 2 1

- Full speed in reverse

3

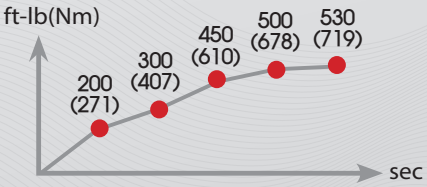


- 360˚ swivel exhaust deflector



- Gearless hammer design Reduces vibration by 50%, Increases torque by 20%





KT NO.	Square drive inch	Square drive mm	Std. bolt size inch	Std. bolt size mm	Free speed R.P.M	Max. torque ft.lb	Max. torque Nm	Overall length inch	Overall length mm	Air inlet inch	Air hose ID	Air pressure bar	Air pressure PSI	Avg. air consumption L/min	Avg. air consumption CFM	Sound DBA	Vib M/S2	Net weight kgs	Net weight lbs	
33491-030	1/2"	12.70	9/16"	M14	6,500	300	407	9.8"	248	1/4"BSPT	3/8"	6.2	90	119	4.2	94.00	7.48	1.40	3.09	1/12
33491-031	1/2"	12.70	9/16"	M14	6,500	300	407	9.8"	248	1/4"NPT	3/8"	6.2	90	119	4.2	94.00	7.48	1.40	3.09	1/12

Mini Impact Wrench

33431-050

- Mini design, overall length 109mm with 1.35kg
- Nickel chrome molybenum square driver
- Improved jumbo hammer design : 30% higher torque





- One-hand control forward & reverse switch



- Convenient to switch on both sides



- 3-speed regulator for precise control



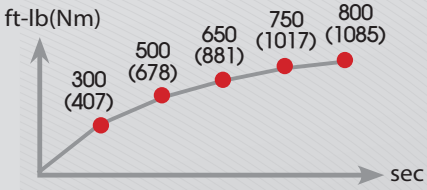
- Ergonomic design interchangeable rubber grip



- Air exhaust away from the operator







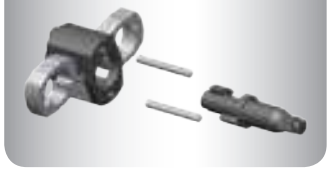
KT NO.	Square drive inch	Square drive mm	Type Std/Long anvil	Std. bolt size inch	Std. bolt size mm	Free speed R.P.M	Max. torque ft.lb	Max. torque Nm	Overall length inch	Overall length mm	Air inlet inch	Air hose ID	Air pressure bar	Air pressure PSI	Avg. air consumption L/min	Avg. air consumption CFM	Sound DBA	Vib M/S2	Net weight kgs	Net weight lbs	
33431-050	1/2"	12.70	Std.anvil	5/8"	M16	9000	500	678	4.3"	109	1/4" BSPT	3/8"	6.2	90	142	5.0	101.02	8.70	1.35	2.98	1 / 12
33431-051	1/2"	12.70	Std.anvil	5/8"	M16	9000	500	678	4.3"	109	1/4" NPT	3/8"	6.2	90	142	5.0	101.02	8.70	1.35	2.98	1 / 12

Impact Wrench

33421

- Nickel chrome molybdenum square driver
- Variable speed trigger
- Muffled on front exhaust

Twin Hammer

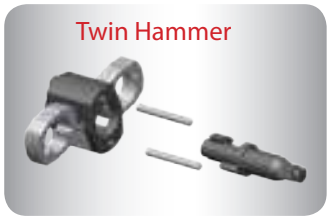




KT NO.	Square drive inch	Square drive mm	Type Std/Long anvil	Std. bolt size inch	Std. bolt size mm	Free speed R.P.M	Max. torque ft.lb	Max. torque Nm	Overall length inch	Overall length mm	Air inlet inch	Air hose ID	Air pressure bar	Air pressure PSI	Avg. air consumption L/min	Avg. air consumption CFM	Sound DBA	Vib M/S2	Net weight kgs	Net weight lbs	
33421-040	1/2"	12.70	Std.anvil	5/8"	M16	8000	500	678	6-3/4"	171	1/4" BSPT	3/8"	6.2	90	113	4.0	101.02	8.70	2.56	5.64	1 / 8
33421-041	1/2"	12.70	Std.anvil	5/8"	M16	8000	500	678	6-3/4"	171	1/4" NPT	3/8"	6.2	90	113	4.0	101.02	8.70	2.56	5.64	1 / 8

33411-040 / 33412-040

Twin Hammer







33411-050 / 33412-050

New Twin Hammer







KT NO.	Square drive inch	Square drive mm	Type Std/Long anvil	Std. bolt size inch	Std. bolt size mm	Free speed R.P.M	Max. torque ft.lb	Max. torque Nm	Overall length inch	Overall length mm	Air inlet inch	Air hose ID	Air pressure bar	Air pressure PSI	Avg. air consumption L/min	Avg. air consumption CFM	Sound DBA	Vib M/S2	Net weight kgs	Net weight lbs	
33411-040	1/2"	12.70	Std. anvil	5/8"	M16	8000	500	678	7-23/64"	187	1/4" BSPT	3/8"	6.2	90	113	4.0	95.22	4.85	2.60	5.73	1 / 8
33411-041	1/2"	12.70	Std. anvil	5/8"	M16	8000	500	678	7-23/64"	187	1/4" NPT	3/8"	6.2	90	113	4.0	95.22	4.85	2.60	5.73	1 / 8
33412-040	1/2"	12.70	Long anvil	5/8"	M16	8000	500	678	9-23/64"	238	1/4" BSPT	3/8"	6.2	90	113	4.0	95.78	4.80	2.80	6.17	1 / 8
33412-041	1/2"	12.70	Long anvil	5/8"	M16	8000	500	678	9-23/64"	238	1/4" NPT	3/8"	6.2	90	113	4.0	95.78	4.80	2.80	6.17	1 / 8
33411-050	1/2"	12.70	Std. anvil	3/4"	M19	8000	650	881	7-41/64"	194	1/4" BSPT	3/8"	6.2	90	125	4.4	96.50	8.13	2.80	6.17	1 / 8
33411-051	1/2"	12.70	Std. anvil	3/4"	M19	8000	650	881	7-41/64"	194	1/4" NPT	3/8"	6.2	90	125	4.4	96.50	8.13	2.80	6.17	1 / 8
33412-050	1/2"	12.70	Long anvil	3/4"	M19	8000	650	881	9-23/64"	238	1/4" BSPT	3/8"	6.2	90	125	4.4	96.19	6.84	3.20	7.05	1 / 8
33412-051	1/2"	12.70	Long anvil	3/4"	M19	8000	650	881	9-23/64"	238	1/4" NPT	3/8"	6.2	90	125	4.4	96.19	6.84	3.20	7.05	1 / 8

Impact Wrench

CAUTION

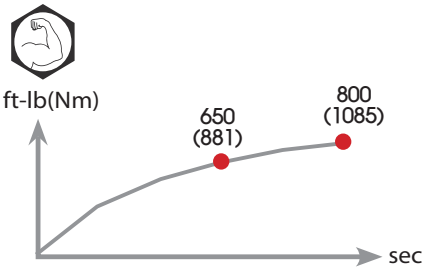
Please wear proper safety gear while working.

33431

- One-handed F / R control
- Convenient to switch on both sides
- 3-speed regulator for precise control
- Ergonomic design interchangeable rubber grip

Twin Hammer







KT NO.	Square drive inch	Square drive mm	Type Std/Long anvil	Std. bolt size inch	Std. bolt size mm	Free speed R.P.M	Max. torque ft.lb	Max. torque Nm	Overall length inch	Overall length mm	Air inlet inch	Air hose ID	Air pressure bar	Air pressure PSI	Avg. air consumption L/min	Avg. air consumption CFM	Sound DBA	Vib M/S2	Net weight kgs	Net weight lbs	
33431-065	1/2"	12.70	Std.anvil	3/4"	M19	8000	650	881	6-7/8"	175	1/4" BSPT	3/8"	6.2	90	139	4.9	101.50	9.37	2.58	5.69	1 / 8

33611 / 33612

- Nickel chrome molybdenum square driver
- Variable speed trigger
- Muffled on handle exhaust

New Twin Hammer











33621 / 33622

KT NO.	Square drive inch	Square drive mm	Type Std/Long anvil	Std. bolt size inch	Std. bolt size mm	Free speed R.P.M	Max. torque ft.lb	Max. torque Nm	Overall length inch	Overall length mm	Air inlet inch	Air hose ID	Air pressure bar	Air pressure PSI	Avg. air consumption L/min	Avg. air consumption CFM	Sound DBA	Vib M/S2	Net weight kgs	Net weight lbs	
33611-055	3/4"	19.05	Std. anvil	7/8"	M20	6500	700	949	7-13/32"	188	1/4" BSPT	3/8"	6.2	90	125	4.4	96.56	8.64	3.00	6.61	1 / 8
33611-056	3/4"	19.05	Std. anvil	7/8"	M20	6500	700	949	7-13/32"	188	1/4" NPT	3/8"	6.2	90	125	4.4	96.56	8.64	3.00	6.61	1 / 8
33612-055	3/4"	19.05	Long anvil	7/8"	M20	6500	700	949	11-13/32"	290	1/4" BSPT	3/8"	6.2	90	125	4.4	96.86	6.17	3.40	7.50	1 / 8
33612-056	3/4"	19.05	Long anvil	7/8"	M20	6500	700	949	11-13/32"	290	1/4" NPT	3/8"	6.2	90	125	4.4	96.86	6.17	3.40	7.50	1 / 8
33621-075	3/4"	19.05	Std. anvil	1"	M24	6500	800	1085	8-63/64"	228	1/4" BSPT	3/8"	6.2	90	198	7.0	97.28	6.89	4.50	9.92	1 / 4
33621-076	3/4"	19.05	Std. anvil	1"	M24	6500	800	1085	8-63/64"	228	1/4" NPT	3/8"	6.2	90	198	7.0	97.28	6.89	4.50	9.92	1 / 4
33622-075	3/4"	19.05	Long anvil	1"	M24	6500	800	1085	12-63/64"	330	1/4" BSPT	3/8"	6.2	90	198	7.0	96.68	6.46	5.00	11.02	1 / 4
33622-076	3/4"	19.05	Long anvil	1"	M24	6500	800	1085	12-63/64"	330	1/4" NPT	3/8"	6.2	90	198	7.0	96.68	6.46	5.00	11.02	1 / 4

Composite Impact Wrench

CAUTION

Please wear proper safety gear while working.

33481

- One-handed F / R control
- 4-speed power setting, full speed in reverse
- TPR ergonomic handle material reduces vibration





lightweight

20% - 48%

33681

Light weight



1/2" 33481

3/4" 33681

KT NO.	Square drive inch	Square drive mm	Type Std/Long anvil	Std. bolt size inch	Std. bolt size mm	Free speed R.P.M	Max. torque ft.lb	Max. torque Nm	Overall length inch	Overall length mm	Air inlet inch	Air hose ID	Air pressure bar	Air pressure PSI	Avg. air consumption L/min	Avg. air consumption CFM	Sound DBA	Vib M/S2	Net weight kgs	Net weight lbs	
33481-095	1/2"	17.70	Std.anvil	1"	M24	8000	950	1288	7-3/4"	197	1/4" BSPT	3/8"	6.2	90	190	6.7	96.00	8.10	2.25	4.96	1 / 8
33481-096	1/2"	17.70	Std.anvil	1"	M24	8000	950	1288	7-3/4"	197	1/4" NPT	3/8"	6.2	90	190	6.7	96.00	8.10	2.25	4.96	1 / 8
33681-100	3/4"	19.05	Std.anvil	1-3/16"	M30	8000	1100	1491	8-3/8"	211	1/4" BSPT	3/8"	6.2	90	190	6.7	96.00	8.98	2.35	5.20	1 / 8
33681-101	3/4"	19.05	Std.anvil	1-3/16"	M30	8000	1100	1491	8-3/8"	211	1/4" NPT	3/8"	6.2	90	190	6.7	96.00	8.98	2.35	5.20	1 / 8

33631 / 33632

- Nickel chrome molybdenum square driver
- Variable speed trigger
- Muffled on handle exhaust

Standard





3/4" 33631



3/4" 33632

KT NO.	Square drive inch	Square drive mm	Type Std/Long anvil	Std. Bolt Size inch	Std. Bolt Size mm	Free Speed R.P.M	Max. Torque ft.lb	Max. Torque Nm	Overall Length inch	Overall Length mm	Air Inlet inch	Air Hose ID	Air Pressure bar	Air Pressure PSI	Avg. Air Consumption L/min	Avg. Air Consumption CFM	Sound DBA	Vib M/S2	Net Weight kgs	Net Weight lbs	
33631-110	3/4"	19.05	Std. anvil	1-3/16"	M30	5500	1100	1491	8-43/64"	220	3/8" BSPT	1/2"	6.2	90	269	9.5	98.35	5.31	5.60	12.35	1 / 4
33631-111	3/4"	19.05	Std. anvil	1-3/16"	M30	5500	1100	1491	8-43/64"	220	3/8" NPT	1/2"	6.2	90	269	9.5	98.35	5.31	5.60	12.35	1 / 4
33632-110	3/4"	19.05	Long anvil	1-3/16"	M30	5500	1100	1491	14-55/64"	377	3/8" BSPT	1/2"	6.2	90	269	9.5	97.20	7.90	6.04	13.32	1 / 4
33632-111	3/4"	19.05	Long anvil	1-3/16"	M30	5500	1100	1491	14-55/64"	377	3/8" NPT	1/2"	6.2	90	269	9.5	97.20	7.90	6.04	13.32	1 / 4

Impact Wrench

33851 / 33852

- Nickel chrome molybdenum square driver
- Variable speed trigger
- Muffled on handle exhaust

New Twin Hammer





1"
33851



1"
33841



1"
33852



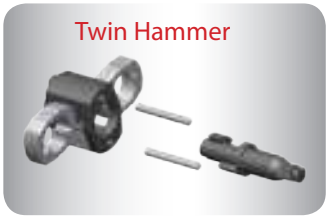
1"
33842

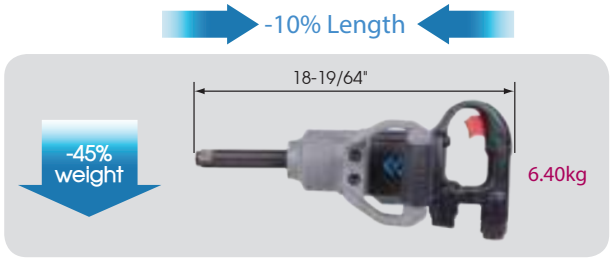
KT NO.	Square drive inch	Square drive mm	Type Std/Long anvil	Std. bolt size inch	Std. bolt size mm	Free speed R.P.M No	Max. torque ft.lb	Max. torque Nm	Overall length inch	Overall length mm	Air inlet inch	Air hose ID	Air pressure bar	Air pressure PSI	Avg. air consumption L/min	Avg. air consumption CFM	Sound DBA	Vib M/S2	Net weight kgs	Net weight lbs	
33851-120	1"	25.40	Std. anvil	1-17/64"	M32	5500	1200	1626	8-53/64"	224	3/8" BSPT	1/2"	6.2	90	269	9.5	99.75	6.57	5.64	12.43	1 / 4
33851-121	1"	25.40	Std. anvil	1-17/64"	M32	5500	1200	1626	8-53/64"	224	3/8" NPT	1/2"	6.2	90	269	9.5	99.75	6.57	5.64	12.43	1 / 4
33852-120	1"	25.40	Long anvil	1-17/64"	M32	5500	1200	1626	14-1/64"	356	3/8" BSPT	1/2"	6.2	90	269	9.5	98.00	8.40	6.04	13.32	1 / 4
33852-121	1"	25.40	Long anvil	1-17/64"	M32	5500	1200	1626	14-1/64"	356	3/8" NPT	1/2"	6.2	90	269	9.5	98.00	8.40	6.04	13.32	1 / 4
33841-180	1"	25.40	Std. anvil	1-27/64"	M36	4000	1800	2440	12-3/32"	307	1/2" BSPT / NPT	3/4"	6.2	90	255	9.0	101.56	4.37	10.62	23.41	1 / 2
33842-180	1"	25.40	Long anvil	1-27/64"	M36	4000	1800	2440	20-5/64"	510	1/2" BSPT / NPT	3/4"	6.2	90	255	9.0	99.85	5.87	12.52	27.60	1 / 2

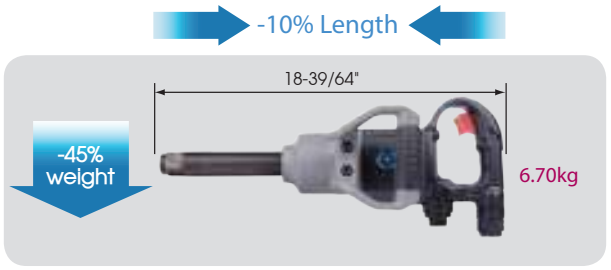
Impact Wrench

33671 / 33672

- Lightweight durable composite housing
- Nickel chrome molybenum square driver
- Comfortable rubber handle







33871 / 33872





3/4"

33671-160



3/4"

33672-160



1"

33871-160



1"

33872-160

KT NO.	Square drive inch	Square drive mm	Type Std/Long anvil	Std. Bolt Size inch	Std. Bolt Size mm	Free Speed R.P.M	Max. Torque ft.lb	Max. Torque Nm	Overall Length inch	Overall Length mm	Air inlet inch	Air Hose ID	Air Pressure bar	Air Pressure PSI	Avg. Air Consumption L/min	Avg. Air Consumption CFM	Sound DBA	Vib M/S2	Net Weight kgs	Net Weight lbs	
33671-160	3/4"	19.05	Std. anvil	1-3/16"	M30	5500	1600	2170	12-1/2"	318	1/2" BSPT / NPT	3/4"	6.2	90	241	8.5	105.00	15.40	5.70	12.57	1 / 2
33672-160	3/4"	19.05	Long anvil	1-3/16"	M30	5500	1600	2170	18-19/64"	465	1/2" BSPT / NPT	3/4"	6.2	90	241	8.5	106.00	13.80	6.40	14.11	1 / 2
33871-160	1"	25.40	Std. anvil	1-3/16"	M30	5500	1600	2170	12-45/64"	323	1/2" BSPT / NPT	3/4"	6.2	90	241	8.5	106.00	13.70	5.80	12.79	1 / 2
33872-160	1"	25.40	Long anvil	1-3/16"	M30	5500	1600	2170	18-39/64"	473	1/2" BSPT / NPT	3/4"	6.2	90	241	8.5	104.00	14.98	6.70	14.77	1 / 2

Impact Wrench

33811 / 33812

- Nickel chrome molybdenum square driver
- Variable speed trigger
- Muffled on handle exhaust



33831 / 33832



1"

33811-150



1"

33812-150



1"

33831-180



1"

33832-180

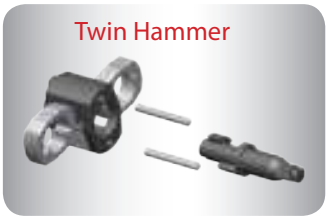
KT NO.	Square drive inch	Square drive mm	Type Std/Long anvil	Std. Bolt Size inch	Std. Bolt Size mm	Free Speed R.P.M	Max. Torque ft.lb	Max. Torque Nm	Overall Length inch	Overall Length mm	Air Inlet inch	Air Hose ID	Air Pressure bar	Air Pressure PSI	Avg. Air Consumption L/min	Avg. Air Consumption CFM	Sound DBA	Vib M/S2	Net Weight kgs	Net Weight lbs	
33811-150	1"	25.40	Std. anvil	1-1/4"	M36	4000	1500	2033	14-19/32"	371	1/2" BSPT / NPT	3/4"	6.2	90	255	9.0	101.17	10.77	10.30	22.71	1 / 1
33812-150	1"	25.40	Long anvil	1-1/4"	M36	4000	1500	2033	20-19/32"	523	1/2" BSPT / NPT	3/4"	6.2	90	255	9.0	100.40	6.13	11.30	24.91	1 / 1
33831-180	1"	25.40	Std. anvil	1-1/2"	M38	4000	1800	2440	14-19/32"	371	1/2" BSPT / NPT	3/4"	6.2	90	255	9.0	102.11	8.84	11.50	25.35	1 / 1
33832-180	1"	25.40	Long anvil	1-1/2"	M38	4000	1800	2440	20-19/32"	523	1/2" BSPT / NPT	3/4"	6.2	90	255	9.0	103.99	6.60	12.50	27.56	1 / 1

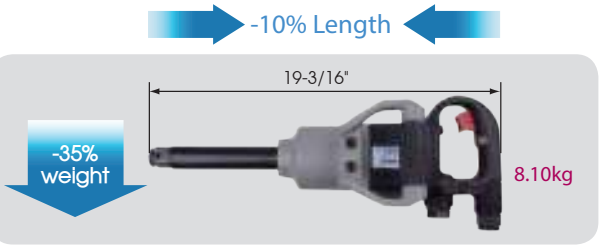
Impact Wrench

33861 / 33862

- Light weight durable composite housing
- Nickel chrome molybdenum square driver
- Comfortable rubber handle









33861-200



33862-200

KT NO.	Square drive inch	Square drive mm	Type Std/Long anvil	Std. bolt size inch	Std. bolt size mm	Free speed R.P.M	Max. torque ft.lb	Max. torque Nm	Overall length inch	Overall length mm	Air inlet inch	Air hose ID	Air pressure bar	Air pressure PSI	Avg. air consumption L/min	Avg. air consumption CFM	Sound DBA	Vib M/S2	Net weight kgs	Net weight lbs	
33861-200	1"	25.40	Std. anvil	1-27/64"	M36	5000	2000	2712	13-43/64"	347	1/2" BSPT / NPT	3/4"	6.2	90	255	9.0	106.00	17.20	7.40	16.31	1 / 2
33862-200	1"	25.40	Long anvil	1-27/64"	M36	5000	2000	2712	19-3/16"	487	1/2" BSPT / NPT	3/4"	6.2	90	255	9.0	104.00	14.50	8.10	17.86	1 / 2



Impact Wrench

33851 / 33852

33911 / 33912

33921 / 33922

- Nickel chrome molybdenum square driver
- Variable speed trigger
- Muffled on handle exhaust

New Twin Hammer



1"

33851-250



1"

33852-250



1-1/2"

33911-250

33921-300



1-1/2"

33912-250

33922-300



KT NO.	Square drive inch	Square drive mm	Type Std/Long anvil	Std. Bolt Size inch	Std. Bolt Size mm	Free Speed R.P.M	Max. Torque ft.lb	Max. Torque Nm	Overall Length inch	Overall Length mm	Air inlet inch	Air Hose ID	Air Pressure bar	Air Pressure PSI	Avg. Air Consumption L/min	Avg. Air Consumption CFM	Sound DBA	Vib M/S2	Net Weight kgs	Net Weight lbs	
33851-250	1"	25.40	Std. anvil	1-25/32"	M45	3000	2500	3388	17-11/64"	436	1/2" BSPT / NPT	3/4"	6.2	90	411	14.5	101.15	6.30	15.80	34.83	1 / 1
33852-250	1"	25.40	Long anvil	1-25/32"	M45	3000	2500	3388	24-7/8"	632	1/2" BSPT / NPT	3/4"	6.2	90	411	14.5	101.91	6.49	18.70	41.23	1 / 1
33911-250	1-1/2"	38.10	Std. anvil	1-25/32"	M45	3000	2500	3388	17-53/64"	453	1/2" BSPT / NPT	3/4"	6.2	90	411	14.5	104.13	6.32	15.80	34.83	1 / 1
33912-250	1-1/2"	38.10	Long anvil	1-25/32"	M45	3000	2500	3388	23-53/64"	605	1/2" BSPT / NPT	3/4"	6.2	90	411	14.5	103.90	6.53	18.70	41.23	1 / 1
33921-300	1-1/2"	38.10	Std. anvil	2"	M50	3000	3000	4065	17-3/4"	451	1/2" BSPT / NPT	3/4"	6.2	90	453	16.0	104.52	8.86	19.70	43.43	1 / 1
33922-300	1-1/2"	38.10	Long anvil	2"	M50	3000	3000	4065	25-15/32"	647	1/2" BSPT / NPT	3/4"	6.2	90	453	16.0	104.52	7.12	22.80	50.27	1 / 1

Impact Socket & Wrench Set

44116MP

1/2"



Blow case size (mm) :
315 x 250 x 120 (0.334 cuft)

- 10 PC. impact sockets 9~27mm
- 3 PC. thin wall impact sockets 17~21mm
- 1 PC. impact wrench
- 1 PC. extension bar
- 1 PC. universal joint
- 2 PC. ring Ø 3.5 x 19mm & Ø 3.5 x 23mm
- 2 PC. pin Ø 3 x 20 & Ø 3 x 25 (6150)
- 1 PC. air inlet adaptor

21 PC.

KT NO.	Contents	6.1	1 / 4
44116MP	4535M 9, 10, 11, 13, 14, 17, 19, 22, 24, 27	33411-040	SY-221M (1/4"BSPT)
44116MP04	4415M 17, 19, 21 4260-05 4797		SY-211M (1/4"BSPT)
44116MP10	90601 90602 90401 90402	33411-041	SY-231M (1/4"NPT)

44118MP

1/2"



Blow case size (mm) :
420 x 315 x 100 (0.475 cuft)

- 14 PC. deep impact sockets 10~27mm
- 1 PC. impact wrench
- 2 PC. extension bars, 3" & 5" L
- 1 PC. universal joint
- 2 PC. ring Ø 3.5 x 19mm & Ø 3.5 x 23mm
- 2 PC. pin Ø 3 x 20mm & Ø 3 x 25mm (6150)
- 1 PC. air inlet adaptor

23 PC.

KT NO.	Contents	8.4	1 / 2
44118MP	4435M 10, 11, 12, 13, 14, 16, 17, 19, 21, 22, 23, 24, 26, 27	33411-040	SY-221M (1/4"BSPT)
44118MP04	4260-03 4260-05 4797		SY-211M (1/4"BSPT)
44118MP10	90601 90602 90401 90402	33411-041	SY-231M (1/4"NPT)

Impact Socket & Wrench Set

44801FMP

1/2"



Blow case size (mm) :
422 x 275 x 85mm (0.35cuff)

- 12 PC. standard impact sockets 10~24mm
- 1 PC. impact wrench
- 3 PC. thin wall impact sockets with plastic sleeve 17~21mm
- 1 PC. extension bar 3" L
- 1 PC. universal joint
- 1 PC. air inlet adapter
- 1 PC. lube

20 PC.

KT NO.	Contents	5.79	1 / 4
44801FMP	4535M 10, 11, 12, 13, 14, 16, 17, 18, 19, 21, 22, 24 4945MX 17, 19, 21 4260-03P 4797P LUBE15	33481-095	SY-221M (1/4"BSPT)
44801AMP			SY-211M (1/4"BSPT)
44801BMP		33481-096	SY-231M (1/4"NPT)

44801FMP01

1/2"



Blow case size (mm) :
422 x 275 x 85mm (0.35cuff)

- 12 PC. standard impact sockets 10~24mm
- 1 PC. impact wrench
- 3 PC. thin wall impact sockets with plastic sleeve 17~21mm
- 1 PC. extension bar 3" L
- 1 PC. universal joint
- 1 PC. air inlet adapter
- 1 PC. lube

20 PC.

KT NO.	Contents	6.03	1 / 4
44801FMP01	4535M 10, 11, 12, 13, 14, 16, 17, 18, 19, 21, 22, 24 4945MX 17, 19, 21 4260-03P 4797P LUBE15	33431-065	SY-221M (1/4"BSPT)
44801AMP01			SY-211M (1/4"BSPT)
44801BMP01		33431-066	SY-231M (1/4"NPT)

Impact Socket & Wrench Set

44802FMP — 1/2"



Blow case size (mm) :
340 x 263 x 80mm (0.253 cuft)

16 PC.

- 11 PC. standard impact sockets 10~24mm
- 1 PC. impact wrench
- 1 PC. extension bar
- 1 PC. universal joint
- 1 PC. air inlet adapter
- 1 PC. lube

KT NO.	Contents	3.9	1 / 3
44802FMP	4535M 10, 12, 13, 14, 16, 17, 18 ,19, 21, 22, 24,	33431-050	SY-221M (1/4"BSPT)
44802AMP	4260-05P		SY-211M (1/4"BSPT)
44802BMP	4796P, LUBE15	33431-051	SY-231M (1/4"NPT)

64111MP — 3/4"



Blow case size (mm) :
420 x 315 x 100 (0.475 cuft)

14 PC.

- 8 PC. impact sockets 26~38mm
- 1 PC. impact wrench
- 1 PC. extension bar, 7" L
- 1 PC. universal joint
- 1 PC. ring Ø 5.5 x 37mm
- 1 PC. pin Ø 4 x 35
- 1 PC. air inlet adaptor

KT NO.	Contents	13.3	1 / 2
64111MP	6535M 26, 27, 28, 30, 32, 35, 36, 38	33621-075	SY-221M (1/4"BSPT)
64111MP01	6260-07, 6797		SY-211M (1/4"BSPT)
64111MP12	90603, 90404	33621-076	SY-231M (1/4"NPT)

64801FMP — 3/4"



Blow case size (mm) :
422 x 275 x 85mm(0.35 cuff)

13 PC.

- 8 PC. standard impact sockets 19~38mm
- 1 PC. impact wrench
- 1 PC. extension bar 7" L
- 1 PC. universal joint
- 1 PC. air inlet adapter
- 1 PC. lube

KT NO.	Contents	8.48	1 / 2
64801FMP	6515M 19, 22, 24, 27, 30	33681-100	SY-221M (1/4"BSPT)
64801AMP	6535M 32, 36, 38		SY-211M (1/4"BSPT)
64801BMP	6260-07P, 6797P, LUBE15	33681-101	SY-231M (1/4"NPT)

Impact Socket & Wrench Set

64115MP — 3/4"



Blow case size (mm) :
510 x 390 x 115 (0.822 cuft)

- 12 PC. impact sockets
- 1 PC. impact wrench
- 1 PC. extension bar, 7" L
- 1 PC. universal joint
- 1 PC. ring Ø 5.5 x 37mm
- 1 PC. pin Ø 4.0 x 35mm
- 1 PC. air inlet adaptor

18 PC.

KT NO.	Contents	13.3 kg	1 / 2
64115MP	6535M 24, 26, 27, 29, 30, 32, 33, 34, 35, 36, 38, 41	33621-075	SY-221M (1/4"BSPT)
64115MP01	6260-07 6797	33621-075	SY-211M (1/4"BSPT)
64115MP12	90603 90404	33621-076	SY-231M (1/4"NPT)

Impact Screwdriver

3312 — 1/4"





KT NO.	Collect Size inch	mm	Std. bolt size inch	mm	Free speed R.P.M	Max. torque ft.lb	Nm	Overall length inch	mm	Air inlet inch	Air hose ID	Air pressure bar	PSI	Avg. air consumption L/min	CFM	Sound DBA	Vib M/S2	Net weight kgs	lbs	
33121	1/4"	6.35	3/16"	M5	11000	75	102	7-1/4"	183	1/4" BSPT	3/8"	6.2	90	96	3.4	92.8	3.83	0.82	1.81	1 / 20
33122	1/4"	6.35	3/16"	M5	11000	75	102	7-1/4"	183	1/4" NPT	3/8"	6.2	90	96	3.4	92.8	3.83	0.82	1.81	1 / 20

Super Duty Air Ratchet Wrench

37323 — 3/8"

37423 — 1/2"

- Ergonomically enhanced composite handle
- 360° exhaust rotation leads the air away from working area
- Unique head design: dust free and prevent deformation and triples the life of parts
- Dual pawl design provides higher torque





KT NO.	Square drive inch	mm	Type Std/Long anvil	Std. bolt size inch	mm	Free speed R.P.M	Max. torque ft.lb	Nm	Overall length inch	mm	Air inlet inch	Air hose ID	Air pressure bar	PSI	Avg. air consumption L/min	CFM	Sound DBA	Vib M/S2	Net weight kgs	lbs	
37323-080	3/8"	9.53	Std. anvil	3/8"	M10	280	80	108	11"	279	1/4" BSPT	3/8"	6.2	90	113	4.0	94.00	2.52	1.25	2.76	1 / 12
37323-081	3/8"	9.53	Std. anvil	3/8"	M10	280	80	108	11"	279	1/4" NPT	3/8"	6.2	90	113	4.0	94.00	2.52	1.25	2.76	1 / 12
37423-080	1/2"	12.70	Std. anvil	3/8"	M10	280	80	108	11"	279	1/4" BSPT	3/8"	6.2	90	113	4.0	93.00	2.07	1.25	2.76	1 / 12
37423-081	1/2"	12.70	Std. anvil	3/8"	M10	280	80	108	11"	279	1/4" NPT	3/8"	6.2	90	113	4.0	93.00	2.07	1.25	2.76	1 / 12

Air Ratchet Wrench

37221 / 37321

- Ergonomically enhanced composite handle
- Dual pawl design provides higher torque



- Dust-free design
- Prevents deformation and triples the life of the parts

37334 / 37434

1/4" & 3/8"

37221
37321

3/8" & 1/2"

37334
37434



KT NO.	Square drive inch	Square drive mm	Type Std/Long anvil	Std. bolt size inch	Std. bolt size mm	Free speed R.P.M	Max. torque ft.lb	Max. torque Nm	Overall length inch	Overall length mm	Air inlet inch	Air hose ID	Air pressure bar	Air pressure PSI	Avg. air consumption L/min	Avg. air consumption CFM	Sound DBA	Vib M/S2	Net weight kgs	Net weight lbs	
37221-030	1/4"	6.35	Std. anvil	1/4"	M6	250	30	41	8-1/16"	205	1/4" BSPT	3/8"	6.2	90	79	2.8	86.00	2.32	0.67	1.48	1 / 30
37221-031	1/4"	6.35	Std. anvil	1/4"	M6	250	30	41	8-1/16"	205	1/4" NPT	3/8"	6.2	90	79	2.8	86.00	2.32	0.67	1.48	1 / 30
37321-050	3/8"	9.53	Std. anvil	5/16"	M8	270	50	68	8-1/16"	205	1/4" BSPT	3/8"	6.2	90	79	2.8	93.00	2.26	0.67	1.48	1 / 30
37321-051	3/8"	9.53	Std. anvil	5/16"	M8	270	50	68	8-1/16"	205	1/4" NPT	3/8"	6.2	90	79	2.8	93.00	2.26	0.67	1.48	1 / 30
37334-080	3/8"	9.53	Std. anvil	3/8"	M10	210	80	108	10-39/64"	268	1/4" BSPT	3/8"	6.2	90	127	4.5	93.00	3.58	1.25	2.76	1 / 10
37334-081	3/8"	9.53	Std. anvil	3/8"	M10	210	80	108	10-39/64"	268	1/4" NPT	3/8"	6.2	90	127	4.5	93.00	3.58	1.25	2.76	1 / 10
37434-080	1/2"	12.70	Std. anvil	3/8"	M10	210	80	108	10-39/64"	268	1/4" BSPT	3/8"	6.2	90	127	4.5	92.00	3.91	1.26	2.78	1 / 10
37434-081	1/2"	12.70	Std. anvil	3/8"	M10	210	80	108	10-39/64"	268	1/4" NPT	3/8"	6.2	90	127	4.5	92.00	3.91	1.26	2.78	1 / 10

37235 / 37335 / 37435

- Working around tightly packed engines, machinery and equipment

1/4" & 3/8"

37235
37335



3/8"

37335



1/2"

37435



KT NO.	Square drive inch	Square drive mm	Free Speed R.P.M	Max. Torque ft.lb	Max. Torque Nm	Overall Length inch	Overall Length mm	Air inlet inch	Air Hose ID	Air Pressure bar	Air Pressure PSI	Avg. Air Consumption L/min	Avg. Air Consumption CFM	Sound DBA	Vib M/S2	Net Weight kgs	Net Weight lbs	
37235-030	1/4"	6.35	230	30	41	6-1/8"	155	1/4" BSPT	3/8"	6.2	90	71	2.5	92.00	10.50	0.49	1.08	1 / 20
37235-031	1/4"	6.35	230	30	41	6-1/8"	155	1/4" NPT	3/8"	6.2	90	71	2.5	92.00	10.50	0.49	1.08	1 / 20
37335-030	3/8"	9.53	230	30	41	6-1/8"	155	1/4" BSPT	3/8"	6.2	90	71	2.5	92.00	10.50	0.49	1.08	1 / 20
37335-075	3/8"	9.53	200	75	102	10-1/4"	260	1/4" BSPT	3/8"	6.2	90	113	4.0	92.00	10.50	1.20	2.64	1 / 20
37335-076	3/8"	9.53	200	75	102	10-1/4"	260	1/4" NPT	3/8"	6.2	90	113	4.0	92.00	10.50	1.20	2.64	1 / 20
37435-075	1/2"	12.70	200	75	102	10-1/4"	260	1/4" BSPT	3/8"	6.2	90	113	4.0	92.00	10.50	1.20	2.64	1 / 20
37435-076	1/2"	12.70	200	75	102	10-1/4"	260	1/4" NPT	3/8"	6.2	90	113	4.0	92.00	10.50	1.20	2.64	1 / 20

Continuous Flow Air Grease Gun

9BV14

- Ideal for machine, automobile, farm and garden equipments, vehicles etc.
- 360° rotating handle





KT NO.	Air inlet (inch)	Screw Thread	Air Source Range input (psi/bar)	Air Source Range output (psi/bar)	Recommended Air Source input (psi/bar)	Recommended Air Source output (psi/bar)	Capacity c.c.	Capacity oz	Kg	
9BV1420	1/4" BSPT	10 x 1.0 Mertric	60~150 psi (4.2~10.3 bar)	2400~6000 psi (165~412 bar)	90 psi (6.2 bar)	3600 psi (250 bar)	400	14	1.7	1 / 10

9BV1420 For Germany, South Africa, Egypt, etc.

Continuous Flow Air Grease Gun with 12" Tube

9BV14T

- Ideal for machine, automobile, farm and garden equipments, vehicles etc.
- 360° rotating handle



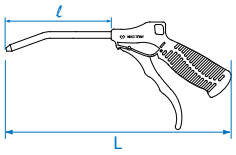
KT NO.	Air inlet (inch)	Screw Thread	Air Source Range input (psi/bar)	Air Source Range output (psi/bar)	Recommended Air Source input (psi/bar)	Recommended Air Source output (psi/bar)	Capacity c.c.	Capacity oz	Kg	
9BV1420T	1/4" BSPT	10 x 1.0 Mertric	60~150 psi (4.2~10.3 bar)	2400~6000 psi (165~412 bar)	90 psi (6.2 bar)	3600 psi (250 bar)	400	14	1.7	1 / 10
9BV1411T	1/4" NPT	1/8" x 28 PT	60~150 psi (4.2~10.3 bar)	2400~6000 psi (165~412 bar)	90 psi (6.2 bar)	3600 psi (250 bar)	400	14	1.7	1 / 10
9BU8109	9" length	1/8" x 28 PT								
9BU8209	9" length	10 x 1.0 Mertric								
9BU8112	12" length	1/8" x 28 PT								
9BU8212	12" length	10 x 1.0 Mertric								

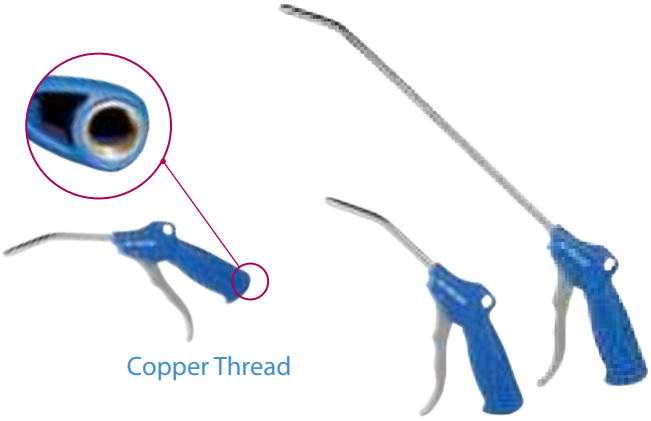
9BV1411T For general market except North America, Germany, South Africa, Egypt
9BV1420T For Germany, South Africa, Egypt, etc.

Air Blow Gun

7990

- Ideal for cleaning
- Steel nozzle & nylon fiber handle
- Air pressure: 90 PSI recommended
- Air consumption: 1/4" hose-13cfm-350l/min, 3/8" hose-15cfm-430l/min
- Sound pressure: 85~90 dB
- Working pressure: 75~120 PSI/5.0~8.0 kgs
- Max pressure: 200 PSI/ 15 kgs





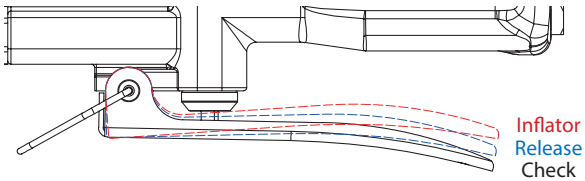
KT NO.	Air Inlet inch	ℓ inch	ℓ mm	L (mm)	g	
79900-04	BSPT	4	100	245	200	20 / 100
79900-10	BSPT	10	250	420	240	25 / 50
79900-13	BSPT	13	330	475	260	25 / 50
79900-20	BSPT	20	500	650	300	25 / 50

KT NO.	Air Inlet inch	ℓ inch	ℓ mm	L (mm)	g	
79901-04	NPT	4	100	245	200	20 / 100
79901-10	NPT	10	250	420	240	25 / 50
79901-13	NPT	13	330	475	260	25 / 50
79901-20	NPT	20	500	650	300	25 / 50

3-In-1 Inflator

9BM

- Diaphragm pressure gauge
- Accuracy: ANSI B40.100 ±3% ~ ±2% ~ ±3%
- Special rubber housing protects manometer against light impacts
- 3 functions(check, release, inflator) all together on the press handle
- Flexible 400MM high pressure rubber hose with clip-on air tire chuck
- Pressure Range:
  0-160 PSI (9BM21) / 0-220 PSI (9BM22)
- Built in hang-up hook allows easy storage



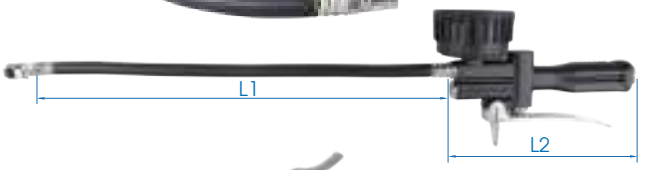




9BM2110
9BM2111
9BM2210
9BM2211

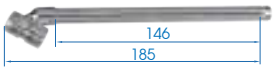


9BM2110A
9BM2111A





9BM2-01



9BM2-02

KT NO.	Pressure range (Psi)	Air Inlet (BSPT/NPT)	L (mm) L1	L (mm) L2	Air hose (ID)	g	
9BM2110	160	1/4" BSPT	Ø13 x 400	180	3/8"	500	1 / 12
9BM2111	160	1/4" NPT	Ø13 x 400	180	3/8"	500	1 / 12
9BM2210	220	1/4" BSPT	Ø13 x 400	180	3/8"	520	1 / 12
9BM2211	220	1/4" NPT	Ø13 x 400	180	3/8"	520	1 / 12
9BM2210A	220	1/4" BSPT	Ø13 x 400	180	3/8"	600	1 / 12
9BM2211A	220	1/4" NPT	Ø13 x 400	180	3/8"	600	1 / 12
9BM2-01	(included in all 9BM series)		20		-	25	-
9BM2-02	(included in 9BM2210A & 11A only)		185		-	105	-

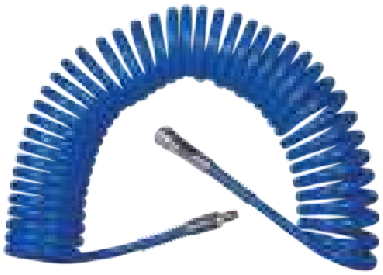
PU Air Spiral Hose

79953 | 79960 | 79962

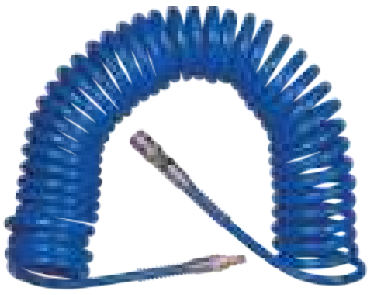
- Super mechanical strength and excellent abrasive resistance
- Superior heat and cold resistance
- Oil resistance
- Light weight
- Temperature resistance from -20° C ~ +60° C



79953



79960



79962

KT NO.	Hose I.D. (mm)	Hose O.D. (mm)	Hose Length (M)	Working Pressure (PSI)	Working Pressure (bar)	Maximum Pressure (PSI)	Maximum Pressure (bar)	Type	Male PT Fitting (inch)	Weight (kgs)	Weight (lbs)	
79953-10	8	12	10	108	7.4	320	22.2	-	1/4" BSPT	0.80	1.76	1 / 20
79953-15	8	12	15	108	7.4	320	22.2	-	1/4" BSPT	1.30	2.87	1 / 16
79960-10	8	12	10	160	11.0	640	44.1	Asian	-	0.93	2.05	1 / 20
79960-15	8	12	15	160	11.0	640	44.1	Asian	-	1.31	2.87	1 / 16
79960-20	8	12	20	160	11.0	640	44.1	Asian	-	1.66	3.64	1 / 16
79962-10	8	12	10	160	11.0	640	44.1	EU	-	0.92	2.02	1 / 20
79962-15	8	12	15	160	11.0	640	44.1	EU	-	1.31	2.87	1 / 16
79962-20	8	12	20	160	11.0	640	44.1	EU	-	1.72	3.78	1 / 16

Air Hose Reel

7991

- Automatic rewind with SK 5-spring steel spring
- 16 teeth gear-stop ensures safety
- 300 PSI working pressure allowed
- Sturdy structure with 0.7mm thick steel rail stored in iron case
- Replaceable air house design & hanging rack



CAUTION

Do not pull the air hose when seeing tag STOP



- Pull the air hose to the end till it shows joint replacement



- Install new air hose





- Dismantle connection





- 16 teeth gear design can spread stress evenly and stop returning

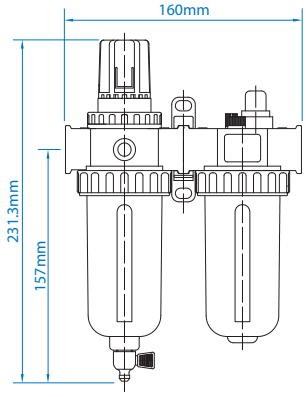
1 Bar = 1.01972 kgf/cm²
1 Bar = 14.5036 PSI

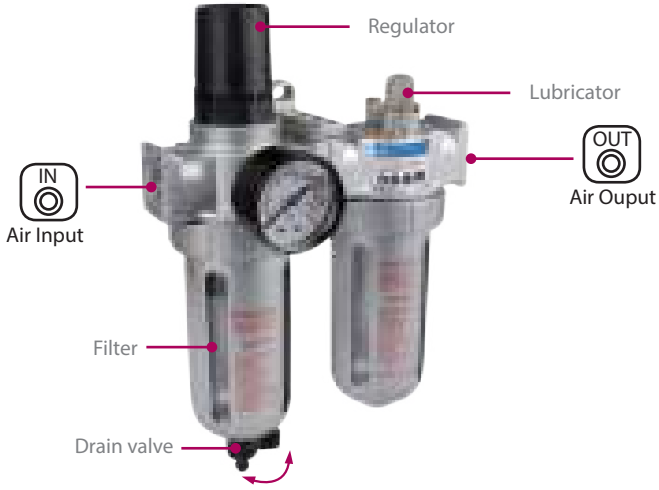
KT NO.	Hose I.D. mm	Hose O.D. mm	Hose length (M)	Type	Air inlet / outlet inch	Working pressure psi	kg	
79910-10	8	12	10	Asian	1/4" BSPT	300	5.2	1 / 2
79910-15	8	12	15	Asian	1/4" BSPT	300	6.5	1 / 2
79911-10	8	12	10	US	1/4" NPT	300	5.2	1 / 2
79911-15	8	12	15	US	1/4" NPT	300	6.5	1 / 2
79912-10	8	12	10	EU	1/4" BSPT	300	5.2	1 / 2
79912-15	8	12	15	EU	1/4" BSPT	300	6.5	1 / 2

Air Lubricator

799A

- Semi auto drain valve
- Steel guards offer better protection
- Easy installation and disassembly





KT NO.	Port Size (inch)	Filter Element (μ)	Max Input Pressure (PSI)	Max Output Pressure (PSI)	Max Flow (L/min)	Operation Temperature Range (°C)	Drain Capacity (ml)	Oil Capactity (ml)	Air Inlet (inch)	Weight (Kgs)	(lbs)	
799A0-23C	1/4"	5	215	7~150	1750	5 ~ 60	80	150	1/4" BSPT	1.40	3.17	1 / 12
799A1-23C	1/4"	5	215	7~150	1750	5 ~ 60	80	150	1/4" NPT	1.42	3.17	1 / 12
799A0-33C	3/8"	5	215	7~150	2500	5 ~ 60	80	150	3/8" BSPT	1.14	2.51	1 / 12
799A1-33C	3/8"	5	215	7~150	2500	5 ~ 60	80	150	3/8" NPT	1.14	2.51	1 / 12
799A0-43C	1/2"	5	215	7~150	3000	5 ~ 60	80	150	1/2" BSPT	1.15	2.53	1 / 12
799A1-43C	1/2"	5	215	7~150	3000	5 ~ 60	80	150	1/2" NPT	1.15	2.53	1 / 12

Impact Wrench Tester

ZV101

- Easy to read LED panel displays
- Torque value in lbf-ft, kgf-m, kgf-cm and N-m (selectable)







- **Specifications:** kg 53.7 1

Applicable Range	180 ft-lb~1180 ft-lb(250 Nm~1600 Nm)
Max. Torque	1450 ft-lb(1950 Nm)
Applicable Size	SQ.DR-1/2"~3/4"
Measuring Direction	Forward
Screw Size	M32
Length x Width	35cm x 30cm

Air Quick Coupler

KT NO.	Size	Type		g	
SY-211M	1/4"BSPT	European		21.4	12 / 504
SY-211F				22.8	10 / 420
SY-210M				88.4	20 / 240
SY-221M	1/4"BSPT	Asian		24.4	12 / 504
SY-221F				28.6	10 / 420
SY-260M				81.6	20 / 240
SY-210H	1/4" hose	European		78.0	15 / 180
SY-211H				18.0	10 / 320
SY-220H		Asian		87.0	10 / 320
SY-221H				31.0	10 / 320
SY-231M	1/4"NPT	American		23.6	12 / 504
SY-231F				21.2	10 / 420
SY-230M				85.5	20 / 240
SY-310H	3/8" hose	European		75.0	15 / 180
SY-311H				22.0	10 / 320
SY-320H		Asian		78.0	15 / 180
SY-321H				23.0	10 / 320
SY-410H	3/8" hose	Asian		82.0	15 / 180
SY-411H	1/2" hose	European		26.0	10 / 320

Mini Lubricator

33411-71 1/4"



KT NO.	Size	g	
33411-71	1/4"	90	1 / 150

Repair Tools Set

14103GP

- 3 PC. Impact wrench repair tools set
- Suitable for 33411-020, 33411-040, 33411-050, 33412-040, 33412-050, 33611-055, 33612-055, 33621-075, 33622-075

3 PC.

Contents	kg 0.58	1 / 20
33011		
33012		
33013		

Impact Wrench Holder

9145

- Applied for 1/4" & 3/4" DR. air tools



KT NO.	Size	Type	g	
91451-01A	1/4" x 19 BSPT	European	268.8	1 / 48
91451-01B	1/4" x 18 NPT	American	271.2	1 / 48
91451-01F	1/4" x 19 BSPT	Asian	272.8	1 / 48

87106

- Applied for 1/2" & 3/4" DR. impact wrench
- Steel plate with chrome plated, air hose adapter attached

kg 1.23 1 / 6



PU Working Gloves

9TH31-XL

9TH31-2L

- Strap design for easy adjustments
- Comfortable and breathable fabric material



KT NO.	Size	Width mm	Overall Length mm	g	
9TH31-XL	XL	107	235	70	100
9TH31-2L	2L	112	240	70	100

Anti-vibration Protective Gloves

9TH21-XL

- Protection from repetitive impact and vibration of pneumatic tools
- Magnet in back of glove for storing metal parts and fasteners



Magnetic



KT NO.	Size	Width mm	Overall Length mm	g	
9TH21XL	XL	112	235	110	100



TORQUE CONTROL & MULTIPLIERS

- Torque Wrench
- Interchangeable Torque Wrench & Accessory
- Electronic Torque Adapter
- Torque Screwdriver
- Torque Angle Guage & Multiplier
- Torque Tester



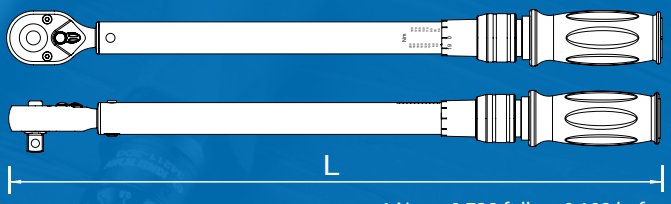
Calibration Instruction And Reminder of Torque Wrench

In test conditions, the torque wrench should remain within the tolerances laid down by DIN ISO 6789:2017 & ASME B107.300-2010 for 5000 cycles.
Practically, this may be affected and changed by ingress of dust, causing wear, or by damage caused by using the tool improperly such as to loosen fasteners or being dropped regularly.

Assume the users are trained to use the torque wrenches, and follow the manual, a period of twelve months is reasonable for torque wrenches used in non safety critical areas.
For those tools used in critical applications, a three month or even monthly check would be suggested.

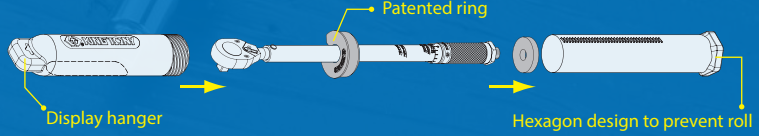


Calibration Certificate



1 Nm = 0.738 ft.lb. = 0.102 kgf.m
1 ft.lb. = 1.356 Nm = 0.138 kgf.m
1 in.lb. = 0.113 Nm = 1.152 kgf.cm

Recyclable cylindrical package



CAUTION

1. Do not use this torque wrench over its scale range.
2. Do not use this torque wrench as a normal hand tool.
3. Torque wrench need to be calibrated periodically for accuracy.

Master Torque Control

62 SERIES



Quick:

- Quick release and fine tooth gears design increases efficiency for safety tightening



Sound:

- Click sound and vibration reminds operator to stop in correct torque



Lubrication:

- Apply top industrial level lubrication to reduce friction and keep performance in good condition much longer



Spring:

- Made of high quality alloy steel to offer extrnded working cycles



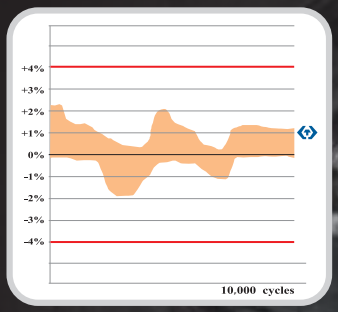
Frame:

- Hardened tube provides extreme durability against friction to assure precision of tolerance



Easy:

- Auto lock design of torque adjustment provides quick and comfortable working experience

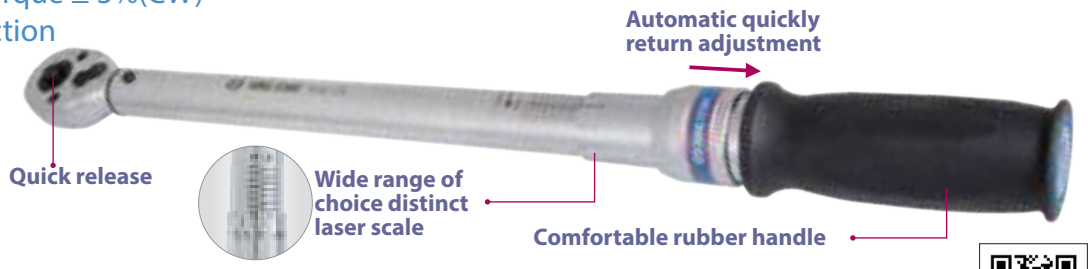


• ±3% tolerance of torque and 10,000 cycles durability performs better than international standard "DIN ISO 6789:2017 & ASME B107.300-2010" with ±4% tolerance and 5,000 cycles requirement

Heavy Duty Adjustable Torque Wrench

Design for easy torque adjustment
Quality accords to DIN ISO 6789:2017 & ASME B107.300-2010
Tolerance of torque ± 3%(CW)
CW/CCW Direction





Video QR Code

Dual Scale - English & Newton Meter (in.lb. / ft.lb. & Nm)

KT NO.	Gear teeth	Square drive	Torque range in. lb. / ft. lb.	Incr.	Torque range Nm	Incr.	Overall length mm	g	
34262-1CG	24	1/4"	40~200 in.lb.	1 in.lb.	5.1~22.0 Nm	0.12 Nm	324	640	1 / 12
34362-1CG	24	3/8"	40~200 in.lb.	1 in.lb.	5.1~22.0 Nm	0.12 Nm	324	640	1 / 12
34362-2CG	32	3/8"	15~80 ft.lb.	0.5 ft.lb.	23.7~105.1 Nm	0.7 Nm	435	1300	1 / 12
34462-1CG	32	1/2"	20~150 ft.lb.	1 ft.lb.	34~197 Nm	1.4 Nm	521	1590	1 / 12
34462-2CG	32	1/2"	50~250 ft.lb.	1 ft.lb.	75~332 Nm	1.4 Nm	613	1810	1 / 12
34662-1CG	24	3/4"	100~450 ft.lb.	5 ft.lb.	169~576 Nm	6.8 Nm	1048	5500	1 / 2
34662-2CG	24	3/4"	100~600 ft.lb.	5 ft.lb.	169~779 Nm	6.8 Nm	1234	5600	1 / 2
34662-3CG	24	3/4"	150~750 ft.lb.	5 ft.lb.	237~983 Nm	6.8 Nm	1238	6150	1 / 2
34862-1CG	24	1"	150~750 ft.lb.	5 ft.lb.	237~983 Nm	6.8 Nm	1238	6150	1 / 2

Single scale - Newton Meter (Nm)

KT NO.	Gear teeth	Square drive	Torque range Nm	Incr.	Overall length mm	g	
34262-1DG	24	1/4"	4~20 Nm	0.1 Nm	324	640	1 / 12
34262-2DG	24	1/4"	2~10 Nm	0.1 Nm	281	560	1 / 12
34262-3DG	24	1/4"	5~30 Nm	0.5 Nm	325	640	1 / 12
34362-1DG	24	3/8"	4~20 Nm	0.1 Nm	324	640	1 / 12
34362-2DG	32	3/8"	20~100 Nm	0.5 Nm	435	1300	1 / 12
34362-3DG	32	3/8"	10~60 Nm	0.5 Nm	325	1300	1 / 12
34462-1DG	32	1/2"	40~200 Nm	1 Nm	521	1590	1 / 12
34462-2DG	32	1/2"	60~340 Nm	2 Nm	613	1810	1 / 12
34462-3DG	32	1/2"	20~100 Nm	1 Nm	436	1300	1 / 12
34462-4DG	32	1/2"	80~400 Nm	2 Nm	613	1970	1 / 12
34662-1DG	24	3/4"	100~600 Nm	5 Nm	1048	5500	1 / 2
34662-2DG	24	3/4"	150~800 Nm	5 Nm	1234	5600	1 / 2
34662-3DG	24	3/4"	200~1000 Nm	5 Nm	1238	6150	1 / 2
34862-1DG	24	1"	200~1000 Nm	5 Nm	1238	6150	1 / 2

- 34262-1DK
- 34362-1DK
- 34362-2DK:
  34362-2xx / 3xx
- 34462-1DK
- 34462-3DK: 34462-3DG / 3GG
- 34662-1DK
- 34662-3DK1: 34662-3xxx series
- 34862-2DK: series



Single scale - English (in.lb./ft.lb.)

KT NO.	Gear teeth	Square drive	Torque range in.lb. / ft.lb.	Incr.	Overall length mm	g	
34262-1EG	24	1/4"	40~200 in.lb.	1 in.lb.	324	640	1 / 12
34362-1EG	24	3/8"	40~200 in.lb.	1 in.lb.	324	640	1 / 12
34362-2EG	32	3/8"	15~80 ft.lb.	0.5 ft.lb.	435	1300	1 / 12
34462-1EG	32	1/2"	20~150 ft.lb.	1 ft.lb.	521	1590	1 / 12
34462-2EG	32	1/2"	50~250 ft.lb.	1 ft.lb.	613	1810	1 / 12
34662-1EG	24	3/4"	100~450 ft.lb.	5 ft.lb.	1048	5500	1 / 2
34662-2EG	24	3/4"	100~600 ft.lb.	5 ft.lb.	1234	5600	1 / 2
34662-3EG	24	3/4"	150~750 ft.lb.	5 ft.lb.	1238	6150	1 / 2
34662-4EG	24	3/4"	60~300 ft.lb.	2 ft.lb.	614	1800	1 / 12
34862-1EG	24	1"	150~750 ft.lb.	5 ft.lb.	1238	6150	1 / 2

Dual Scale - Newton Meter & English (Nm & ft.lb.)

KT NO.	Gear teeth	Square drive	Torque range Nm	Incr.	Torque range ft. lb.	Incr.	Overall length mm	g	
34462-1FG	32	1 / 2"	40~200 Nm	1 Nm	33.2~143.8 ft.lb.	0.8 ft.lb.	521	1590	1 / 12
34462-2FG	32	1 / 2"	60~340 Nm	2 Nm	51.6~243.4 ft.lb.	1.5 ft.lb.	613	1720	1 / 12
34862-1FG	24	1"	200~1000 Nm	5 Nm	166~719 ft.lb.	5 ft.lb.	1238	6150	1 / 2

Dual Scale - Kilogram-force Centimeter / Kilogram-force meter & Newton Meter (kgf.cm / kgf.m & Nm)

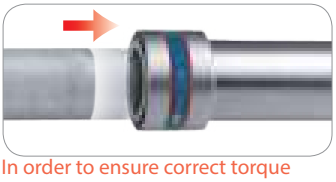
KT NO.	Gear teeth	Square drive	Torque range kgf.cm / kgf.m	Incr.	Torque range Nm	Incr.	Overall length mm	g	
34262-1GG	24	1/4"	40~200 Kgf.cm	1 Kgf.cm	4.4~19.1 Nm	0.92 Nm	324	640	1 / 12
34362-1GG	24	3/8"	40~200 Kgf.cm	1 Kgf.cm	4.4~19.1 Nm	0.92 Nm	324	640	1 / 12
34362-2GG	32	3/8"	200~1000 Kgf.cm	5 Kgf.cm	22.1~95.6 Nm	0.46 Nm	435	1300	1 / 12
34462-1GG	32	1/2"	400~2000 Kgf.cm	10 Kgf.cm	44.1~191.2 Nm	0.46 Nm	521	1590	1 / 12
34462-2GG	32	1/2"	6~34 Kgf.m	0.2 Kgf.m	68.6~323.6 Nm	1.82 Nm	613	1810	1 / 12
34462-3GG	32	1/2"	200~1000 Kgf.cm	5 Kgf.cm	22.1~95.6 Nm	4.9 Nm	436	1470	1 / 12
34662-1GG	24	3/4"	10~60 Kgf.m	0.5 Kgf.m	123~564 Nm	4.9 Nm	1048	5500	1 / 2
34662-2GG	24	3/4"	15~80 Kgf.m	0.5 Kgf.m	172~760 Nm	4.9 Nm	1234	5600	1 / 2
34662-3GG	24	3/4"	20~100 Kgf.m	0.5 Kgf.m	221~956 Nm	4.9 Nm	1238	6150	1 / 2
34862-1GG	24	1"	20~100 Kgf.m	0.5 Kgf.m	221~956 Nm	4.9 Nm	1238	6150	1 / 2

Heavy Duty Adjustable Torque Wrench

Design for easy torque adjustment
Quality accords to DIN ISO 6789:2017 & ASME B107.300-2010
Tolerance of torque ± 3%(CW)
CW/CCW Direction

34862-2CF, 34862-2DF
34862-2EF, 34862-2FF





In order to ensure correct torque the extension bar must be used

34862-2CG, 34862-2DG
34862-2EG, 34862-2FG
34862-2GG



Dual Scale - English & Newton Meter (ft.lb. & Nm)

KT NO.	Square drive	Torque Rrange ft. lb.	Incr.	Torque range Nm	Incr.	Overall length mm	kg	
34862-2CG	1"	200~1000 ft.lb.	5 ft.lb.	305~1322 Nm	6.8 Nm	1850	12.20	1 / 2
34862-2CF	1"	200~1000 ft.lb.	5 ft.lb.	305~1322 Nm	6.8 Nm	1850	12.20	1 / 2

Single scale - Newton Meter (Nm)

KT NO.	Square drive	Torque range Nm	Incr.	Overall length mm	kg	
34862-2DF	1"	300~1500 Nm	10 Nm	1850	12.20	1 / 2
34862-2DG	1"	300~1500 Nm	10 Nm	1850	12.20	1 / 2



34862-2DK-series

Single scale - Newton Meter (Nm)

KT NO.	Square drive	Torque range Nm	Incr.	Overall length mm	kg	
34862-2EG	1"	200~1000 ft.lb.	5 ft.lb.	1850	12.20	1 / 2
34862-2EF	1"	200~1000 ft.lb.	5 ft.lb.	1850	12.20	1 / 2

Dual Scale - Newton Meter & English (Nm & ft.lb.)

KT NO.	Square drive	Torque range ft. lb.	Incr.	Torque range Nm	Incr.	Overall length mm	kg	
34862-2FF	1"	258~1070 ft.lb.	7.4 ft. lb.	300~1500 Nm	10 Nm	1850	12.20	1 / 2
34862-2FG	1"	258~1070 ft.lb.	7.4 ft. lb.	300~1500 Nm	10 Nm	1850	12.20	1 / 2

Dual Scale - Kilogram-force meter & Newton Meter (kgf.m & Nm)

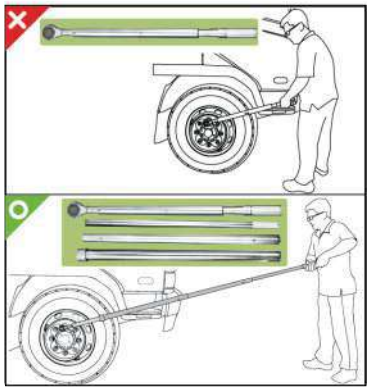
KT NO.	Square drive	Torque range kgf.m	Incr.	Torque range Nm	Incr.	Overall length mm	kg	
34862-2GG	1"	30~150 Kgf.m	1 Kgf.m	343~1422 Nm	5 Nm	1850	12.20	1 / 2

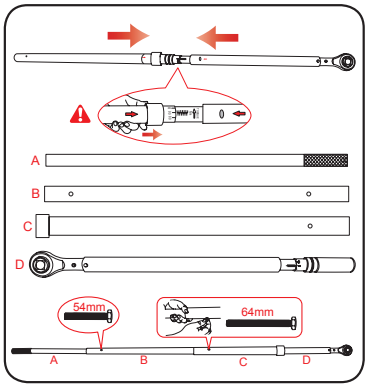


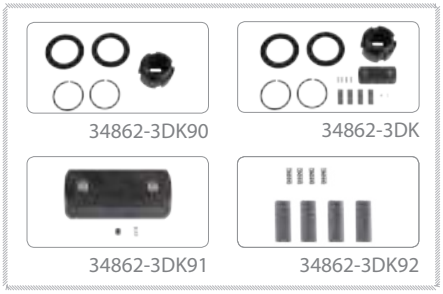
Heavy Duty Adjustable Torque Wrench

Design for easy torque adjustment
Quality accords to DIN ISO 6789:2017 & ASME B107.300-2010
Tolerance of torque ± 3%(CW)
CW/CCW Direction









Dual Scale - English & Newton Meter (in.lb. / ft.lb. & Nm)

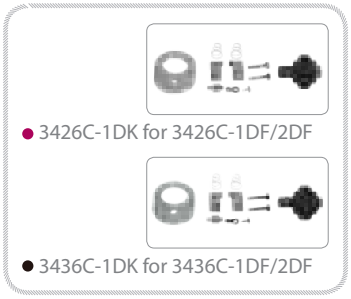
KT NO.	Square drive	Torque range ft.lb.	Incr.	Torque range Nm	Incr.	Overall length mm	kg	
34862-3CF	1"	400~2000 ft.lb.	10 ft.lb.	610~2644 Nm	13.55 Nm	2755	23.99	1 / 1

KT NO.	Square drive	Torque range ft.lb.	Incr.	Torque range Nm	Incr.	Overall length mm	kg	
34862-3FF	1"	443~1771 ft.lb.	14.77 ft.lb.	500~2500 Nm	20 Nm	2755	25.38	1 / 1

Heavy Duty Mini-type Torque Wrench

Industrial application
Quality accords to DIN ISO 6789:2017 & ASME B107.300-2010
Tolerance of torque ±3%(CW)
CW/CCW Direction



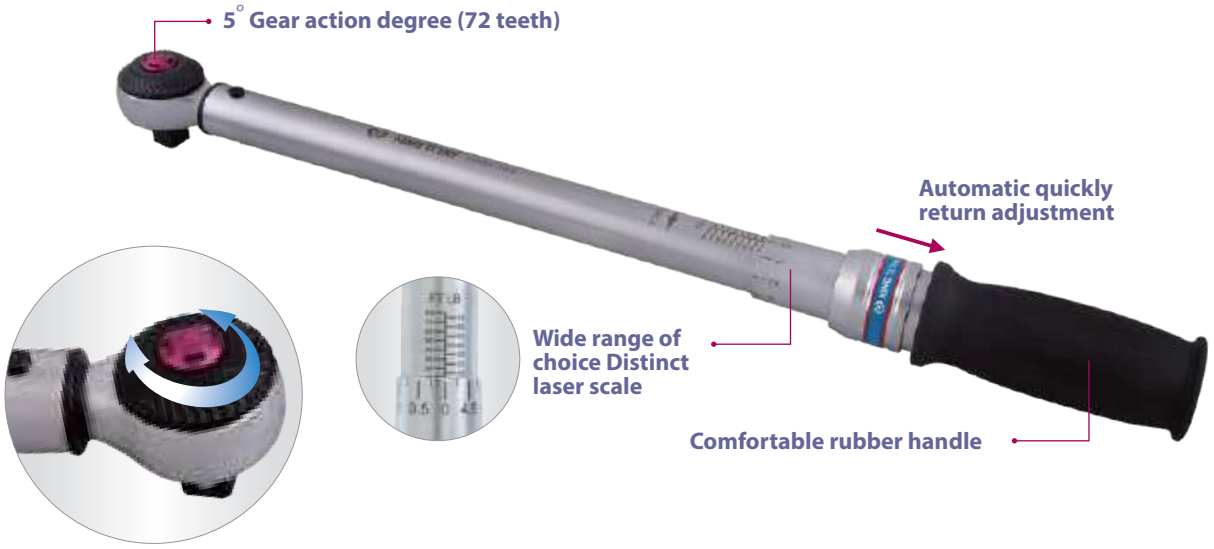


Single scale - Newton Meter (Nm)

KT NO.	Square drive	Torque range Nm	Incr.	Overall length mm	g	
● 3426C-1DF	1/4"	3~15 Nm	0.1 Nm	211	330	24
● 3426C-2DF	1/4"	5~25 Nm	0.2 Nm	249	430	24
● 3436C-1DF	3/8"	3~15 Nm	0.1 Nm	211	450	24
● 3436C-2DF	3/8"	5~25 Nm	0.2 Nm	249	550	24

Heavy Duty 72 Teeth Adjustable Torque Wrench

Colorful quick release button design
Fixed head version allows using in narrow spaces
Quality accords to DIN ISO 6789:2017 & ASME B107.300-2010
Tolerance of torque ± 3%(CW)
CW/CCW Direction



Single scale - Newton Meter (Nm)

KT NO.	Square drive	Torque range Nm	Incr.	Overall length mm	g		
3426A-1DG	1/4"	2~10 Nm	0.1 Nm	285	560	1	24
3426A-2DG	1/4"	4~20 Nm	0.1 Nm	325	640	1	24
3436A-2DG	3/8"	20~100 Nm	0.5 Nm	430	1300	1	12
3446A-1DG	1/2"	40~200 Nm	1 Nm	490	1460	1	12
3446A-2DG	1/2"	60~340 Nm	2 Nm	590	1750	1	12

Single scale - English (in.lb./ft.lb.)

KT NO.	Square drive	Torque range in. lb. / ft. lb.	Incr.	Overall length mm	g		
3426A-1EG	1/4"	20~100 in.lb.	1 in.lb.	285	560	1	24
3426A-2EG	1/4"	40~200 in.lb.	1 in.lb.	325	640	1	24
3436A-2EG	3/8"	15~80 ft.lb.	0.5 ft.lb.	430	1300	1	12
3446A-1EG	1/2"	20~150 ft.lb.	1 ft.lb.	490	1460	1	12
3446A-2EG	1/2"	50~250 ft.lb.	1 ft.lb.	590	1750	1	12



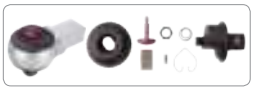
- 3426A-1DK
- 3436A-2DK
- 3446A-1DK

series No. before 17086A



- 3426A-1DK01
- 3436A-2DK01
- 3446A-1DK01

series No. after 17086A



- 3426A-1DK02
- 3436A-2DK02
- 3446A-1DK02

series No. after 19106A

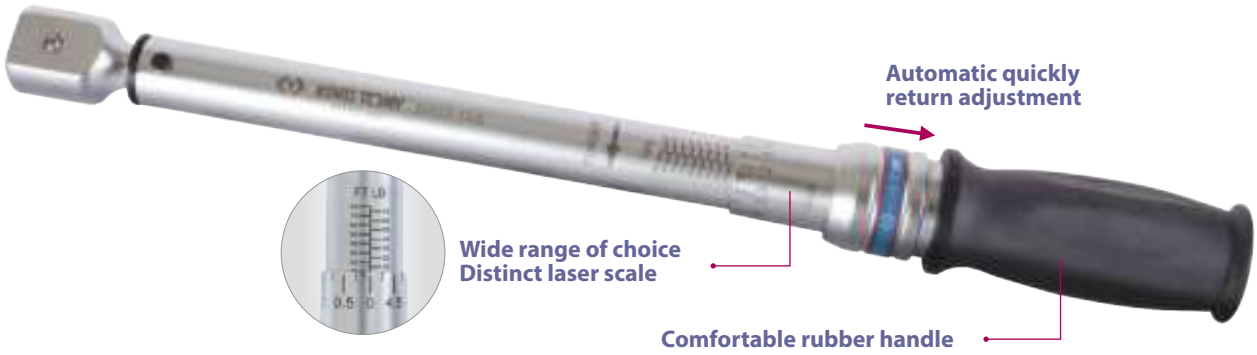






Heavy Duty Interchangeable Torque Wrench

Using standard insert head
Positive button design which removes the insert head easily
Quality accords to DIN ISO 6789:2017 & ASME B107.300-2010
Tolerance of torque ± 3%(CW)
CW/CCW Direction



Dual Scale - English & Newton Meter (ft.lb. & Nm)

KT NO.	Size mm	Torque range ft. lb.	Incr.	Torque range Nm	Incr.	Overall length mm	g	
34512-1CG	9 x 12	20~100 in.lb.	1 in.lb	2.8~10.7 Nm	0.12 Nm	261	510	1 / 12
34512-2CG	9 x 12	40~200 in.lb.	1 in.lb	5.1~22.0 Nm	0.12 Nm	306	590	1 / 12
34512-3CG	9 x 12	15~80 ft.lb.	0.5 ft.lb	23.7~105.1 Nm	0.7 Nm	430	1270	1 / 12
34522-1CG	14 x 18	15~80 ft.lb.	0.5 ft.lb	23.7~105.1 Nm	0.7 Nm	430	1270	1 / 12
34522-2CG	14 x 18	20~150 ft.lb.	1 ft.lb	34~197 Nm	1.4 Nm	485	1410	1 / 12
34522-3CG	14 x 18	50~250 ft.lb.	1 ft.lb	75~332 Nm	1.4 Nm	580	1590	1 / 12

Single scale - Newton Meter (Nm)

KT NO.	Size mm	Torque range Nm	Incr.	Overall length mm	g	
34512-1DG	9 x 12	2~10 Nm	0.1 Nm	261	510	1 / 12
34512-2DG	9 x 12	4~20 Nm	0.1 Nm	306	590	1 / 12
34512-4DG	9 x 12	10~60 Nm	0.5 Nm	306	590	1 / 12
34512-3DG	9 x 12	20~100 Nm	0.5 Nm	430	1270	1 / 12
34522-1DG	14 x 18	20~100 Nm	0.5 Nm	430	1270	1 / 12
34522-2DG	14 x 18	40~200 Nm	1 Nm	485	1410	1 / 12
34522-3DG	14 x 18	60~340 Nm	2 Nm	580	1590	1 / 12
34522-4DG	14 x 18	100~600 Nm	5 Nm	1015	6200	1 / 2
34522-5DG	14 x 18	10~60 Nm	0.5 Nm	360	1270	1 / 12
34522-6DG	14 x 18	150~800 Nm	5 Nm	1195	6620	1 / 2
34522-7DG	14 x 18	70~350 Nm	2 Nm	580	1800	1 / 12
34522-8DG	14 x 18	200~1000 Nm	5 Nm	1200	6620	1 / 2
34522-9DG	14 x 18	80~400 Nm	2 Nm	580	1780	1 / 12

Single scale - English (in.lb./ft.lb.)

KT NO.	Size mm	Torque range in. lb. / ft. lb.	Incr.	Overall length mm	g	
34512-1EG	9 x 12	20~100 in.lb.	1 in.lb	261	510	1 / 12
34512-2EG	9 x 12	40~200 in.lb.	1 in.lb	306	590	1 / 12
34512-3EG	9 x 12	15~80 ft.lb.	0.5 ft.lb	430	1270	1 / 12
34522-1EG	14 x 18	15~80 ft.lb.	0.5 ft.lb	430	1270	1 / 12
34522-2EG	14 x 18	20~150 ft.lb.	1 ft.lb	485	1410	1 / 12
34522-3EG	14 x 18	50~250 ft.lb.	1 ft.lb	580	1590	1 / 12

Dual Scale - Newton Meter & English (Nm & ft.lb.)

KT NO.	Size mm	Torque range ft. lb.	Incr.	Torque range Nm	Incr.	Overall length mm	g	
34512-1FG	9 x 12	22.1~84.1 in.lb.	0.9 in.lb	2~10 Nm	0.1 Nm	261	510	1 / 12
34512-2FG	9 x 12	39.8~172.6 in.lb.	0.9 in.lb	4~20 Nm	0.1 Nm	306	590	1 / 12
34512-3FG	9 x 12	16.6~71.9 ft.lb.	0.4 ft.lb	20~100 Nm	0.5 Nm	430	1270	1 / 12
34522-1FG	14 x 18	16.6~71.9 ft.lb.	0.4 ft.lb	20~100 Nm	0.5 Nm	430	1270	1 / 12
34522-2FG	14 x 18	33.2~143.8 ft.lb.	0.8 ft.lb	40~200 Nm	1 Nm	485	1410	1 / 12
34522-3FG	14 x 18	51.6~243.4 ft.lb.	1.5 ft.lb	60~340 Nm	2 Nm	580	1590	1 / 12

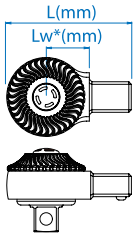
Insert Tool

345031

• Chrome plated

- Ratchet insert tool
- 5° gear action degree (72 teeth)
- Interchageable head for interchangeable torque wrenches







3426A-1DK
3436A-1DK
3446A-1DK
series No. before 17086A



3426A-1DK01
3436A-1DK01
3446A-1DK01
series No. after 17086A



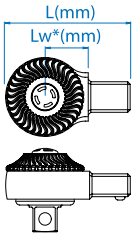
3426A-1DK02
3436A-1DK02
3446A-1DK02
series No. after 19106A

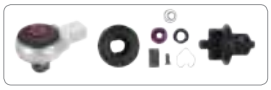
KT NO.	Size	mm	Lw* mm	L mm	g	
34503102R	1/4"DR	9 x 12	17	46	71	12 / 192
34503103R	3/8"DR	9 x 12	17.6	48.8	106	10 / 160
34503104R	1/2"DR	9 x 12	25	60	234	6 / 96

345032

• Chrome plated







3436A-2DK
3446A-1DK
series No. before 17086A



3436A-2DK01
3446A-1DK01
series No. after 17086A



3436A-2DK02
3446A-1DK02
series No. after 19106A



3466A-1DK
series No. before 17086A
3466A-1DK01
series No. after 17086A

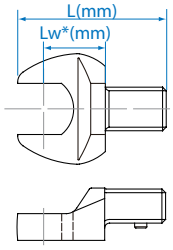
KT NO.	Size	mm	Lw* mm	L mm	g	
34503203R	3/8"DR	14 x 18	25	70	218	6 / 96
34503204R	1/2"DR	14 x 18	25	70	256	6 / 96
34503206R	3/4"DR	14 x 18	25	71.5	348	4 / 64

345011

• Chrome plated

- Open end insert tool

KT NO.	Size mm	mm	Lw* mm	L mm	g	
34501107M	7	9 x 12	17.5	37.4	36	12 / 192
34501108M	8	9 x 12	17.5	37.9	37	12 / 192
34501109M	9	9 x 12	17.5	37.9	37	12 / 192
34501110M	10	9 x 12	17.5	38.2	41	12 / 192
34501111M	11	9 x 12	17.5	39.0	39	12 / 192
34501112M	12	9 x 12	17.5	39.0	40	12 / 192
34501113M	13	9 x 12	17.5	39.3	45	12 / 192
34501114M	14	9 x 12	20	43.1	54	12 / 192
34501115M	15	9 x 12	20	43.4	55	12 / 192
34501116M	16	9 x 12	20	43.9	57	12 / 192
34501117M	17	9 x 12	20	44.4	58	12 / 192
34501118M	18	9 x 12	20	45.3	59	12 / 192
34501119M	19	9 x 12	20	45.0	64	12 / 192
34501121M	21	9 x 12	25	52.4	120	10 / 160
34501122M	22	9 x 12	25	53.1	124	10 / 160
34501124M	24	9 x 12	25	54.1	128	8 / 128
34501127M	27	9 x 12	32.5	60.1	189	8 / 128
34501130M	30	9 x 12	32.5	60.9	195	10 / 80
34501132M	32	9 x 12	32.5	62.6	213	10 / 80
34501136M	36	9 x 12	32.5	64.8	213	10 / 80





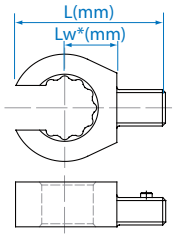
KT NO.	Size inch	mm	Lw* mm	L mm	g	
34501108S	1/4	9 x 12	17.5	37.4	36	12 / 192
34501110S	5/16	9 x 12	17.5	37.9	38	12 / 192
34501112S	3/8	9 x 12	17.5	38.2	39	12 / 192
34501114S	7/16	9 x 12	17.5	39.0	41	12 / 192
34501116S	1/2	9 x 12	17.5	39.3	43	12 / 192
34501118S	9/16	9 x 12	20.0	43.1	53	12 / 192
34501120S	5/8	9 x 12	20.0	43.9	57	12 / 192
34501122S	11/16	9 x 12	20.0	44.4	62	12 / 192
34501124S	3/4	9 x 12	20.0	45.0	65	12 / 192

Insert Tool

345014

• Chrome plated

KT NO.	Size mm	mm	Lw* mm	L mm	g	
34501410M	10	9 x 12	17.5	42.4	51.6	12 / 192
34501411M	11	9 x 12	17.5	43.0	53.0	12 / 192
34501412M	12	9 x 12	17.5	43.8	55.0	12 / 192
34501413M	13	9 x 12	17.5	43.9	53.8	12 / 192
34501414M	14	9 x 12	17.5	44.3	57.6	12 / 192
34501416M	16	9 x 12	17.5	45.0	58.6	12 / 192
34501417M	17	9 x 12	17.5	45.4	65.0	12 / 192
34501418M	18	9 x 12	17.5	46.0	66.2	12 / 192
34501419M	19	9 x 12	17.5	46.7	73.0	12 / 192
34501421M	21	9 x 12	17.5	47.6	72.2	12 / 192
34501422M	22	9 x 12	17.5	48.5	74.2	12 / 192



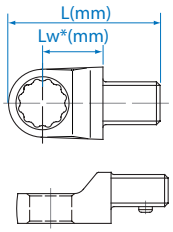


345021

• Chrome plated

▪ Ring insert tool

KT NO.	Size mm	mm	Lw* mm	L mm	g	
34502107M	7	9 x 12	17.5	39.8	37	12 / 288
34502108M	8	9 x 12	17.5	40.5	36	12 / 288
34502110M	10	9 x 12	17.5	41.6	39	12 / 288
34502111M	11	9 x 12	17.5	43.3	42	12 / 288
34502112M	12	9 x 12	17.5	43.8	51	12 / 288
34502113M	13	9 x 12	17.5	44.5	51	12 / 288
34502114M	14	9 x 12	17.5	45.2	52	12 / 288
34502115M	15	9 x 12	17.5	45.9	53	12 / 288
34502116M	16	9 x 12	17.5	46.3	56	12 / 288
34502117M	17	9 x 12	17.5	47.0	55	12 / 192
34502118M	18	9 x 12	17.5	47.4	60	12 / 192
34502119M	19	9 x 12	17.5	49.2	63	12 / 192
34502121M	21	9 x 12	17.5	50.3	68	12 / 192
34502122M	22	9 x 12	17.5	51.2	70	12 / 192



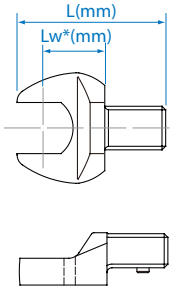


KT NO.	Size inch	mm	Lw* mm	L mm	g	
34502108S	1/4	9 x 12	17.5	39.8	38	12 / 288
34502110S	5/16	9 x 12	17.5	40.5	37	12 / 288
34502112S	3/8	9 x 12	17.5	41.6	42	12 / 288
34502114S	7/16	9 x 12	17.5	43.3	41	12 / 288
34502116S	1/2	9 x 12	17.5	44.5	52	12 / 288
34502118S	9/16	9 x 12	17.5	45.2	53	12 / 288
34502120S	5/8	9 x 12	17.5	46.3	58	12 / 288
34502122S	11/16	9 x 12	17.5	47.0	62	12 / 192
34502124S	3/4	9 x 12	17.5	49.2	62	12 / 192
34502126S	13/16	9 x 12	17.5	50.3	72	12 / 192
34502128S	7/8	9 x 12	17.5	51.2	69	12 / 192

345012

• Chrome plated

KT NO.	Size mm	mm	Lw* mm	L mm	g	
34501213M	13	14 x 18	25	57.5	117	12 / 192
34501214M	14	14 x 18	25	58.0	120	12 / 192
34501215M	15	14 x 18	25	58.0	116	12 / 192
34501216M	16	14 x 18	25	58.5	127	10 / 160
34501217M	17	14 x 18	25	59.5	138	10 / 160
34501218M	18	14 x 18	25	60.0	136	10 / 160
34501219M	19	14 x 18	25	60.5	140	10 / 160
34501221M	21	14 x 18	25	61.0	160	6 / 96
34501222M	22	14 x 18	25	62.0	162	6 / 96
34501223M	23	14 x 18	25	63.1	163	6 / 96
34501224M	24	14 x 18	25	63.1	168	6 / 96
34501225M	25	14 x 18	25	69.0	180	6 / 96
34501226M	26	14 x 18	30	69.0	210	6 / 96
34501227M	27	14 x 18	32.5	69.0	239	6 / 96
34501230M	30	14 x 18	32.5	70.6	249	6 / 96
34501232M	32	14 x 18	32.5	72.1	248	6 / 72
34501234M	34	14 x 18	32.5	73.2	252	6 / 72
34501236M	36	14 x 18	32.5	73.3	244	6 / 72
34501238M	38	14 x 18	32.5	72.7	229	6 / 72
34501240M	40	14 x 18	37	80.5	280	6 / 72
34501241M	41	14 x 18	37	80.5	315	6 / 72





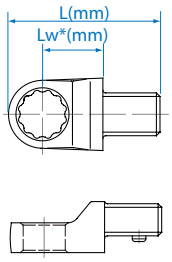
KT NO.	Size inch	mm	Lw* mm	L mm	g	
34501216S	1/2	14 x 18	25	57.5	117	12 / 192
34501218S	9/16	14 x 18	25	58.0	120	12 / 192
34501220S	5/8	14 x 18	25	58.5	127	10 / 160
34501222S	11/16	14 x 18	25	59.5	138	10 / 160
34501224S	3/4	14 x 18	25	60.5	140	10 / 160
34501226S	13/16	14 x 18	25	61.0	160	6 / 96
34501228S	7/8	14 x 18	25	62.0	162	6 / 96
34501230S	15/16	14 x 18	25	63.1	168	6 / 96
34501232S	1	14 x 18	25	69.0	180	6 / 96
34501236S	1-1/8	14 x 18	32.5	70.6	249	6 / 96
34501240S	1-1/4	14 x 18	32.5	72.1	248	6 / 96
34501248S	1-1/2	14 x 18	32.5	72.7	229	6 / 96

Insert Tool

345022

• Chrome plated

KT NO.	Size mm	mm	Lw* mm	L mm	g	
34502213M	13	14 x 18	25	62.2	129	12 / 192
34502214M	14	14 x 18	25	63.2	132	12 / 192
34502215M	15	14 x 18	25	63.3	132	12 / 192
34502216M	16	14 x 18	25	63.1	137	12 / 192
34502217M	17	14 x 18	25	65.0	141	12 / 192
34502218M	18	14 x 18	25	65.0	138	10 / 160
34502219M	19	14 x 18	25	66.7	144	10 / 160
34502221M	21	14 x 18	25	67.3	151	10 / 160
34502222M	22	14 x 18	25	68.5	156	6 / 96
34502224M	24	14 x 18	25	69.9	161	6 / 96
34502227M	27	14 x 18	31	78.0	204	6 / 96
34502230M	30	14 x 18	31	79.6	204	6 / 96
34502232M	32	14 x 18	31	81.0	213	6 / 96
34502234M	34	14 x 18	31	82.4	225	6 / 90
34502236M	36	14 x 18	31	83.7	230	6 / 90
34502241M	41	14 x 18	31	86.6	235	6 / 90





KT NO.	Size inch	mm	Lw* mm	L mm	g	
345022165	1/2	14 x 18	25	62.2	129	12 / 192
345022185	9/16	14 x 18	25	63.2	132	12 / 192
345022205	5/8	14 x 18	25	63.1	137	12 / 192
345022245	3/4	14 x 18	25	66.7	144	10 / 160

Interchangeable Torque Wrench Set

34510

34520



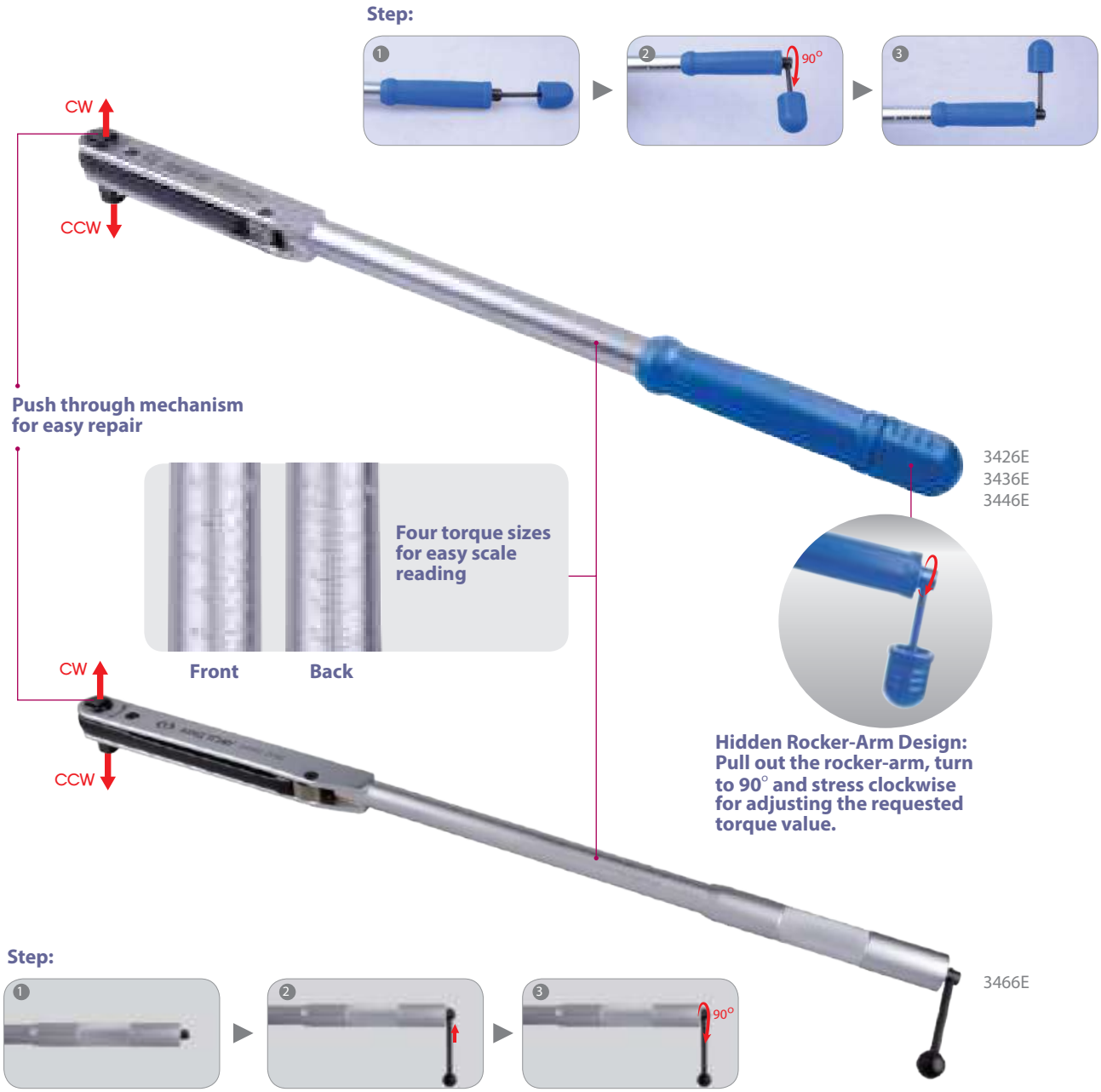
KT NO.	mm	Contents							Kg	
345102D08MR	9 x 12	34512-2DG	4~20 Nm		34503102R	1/4" DR	345011M	345021M	1.3	1 / 15
345104D08MR		34512-4DG	10~60 Nm		34503103R	3/8" DR			1.3	1 / 15
345101E08MR		34512-1EG	20~100 in.lb.		34503102R	1/4" DR	10, 13, 17	10, 13, 17	1.2	1 / 15
345102E08MR		34512-2EG	40~200 in.lb.		34503102R	1/4" DR			1.3	1 / 15

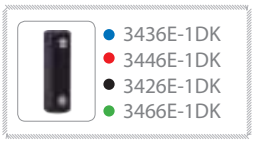
KT NO.	mm	Contents						Kg	
345201D11MR	14 x 18	34522-1DG	20~100 Nm		34503203R	3/8" DR	345012M	3.7	1 / 6
345202D11MR		34522-2DG	40~200 Nm		34503204R	1/2" DR		3.8	1 / 6
345203D11MR		34522-3DG	60~340 Nm		34503204R	1/2" DR		4	1 / 6
345201E11MR		34522-1EG	15~80 ft.lb.		34503203R	3/8" DR	13, 14, 15, 17, 19, 22, 24, 27, 30	3.7	1 / 6
345202E11MR		34522-2EG	20~150 ft.lb.		34503204R	1/2" DR		3.8	1 / 6
345203E11MR		34522-3EG	50~250 ft.lb.		34503204R	1/2" DR		4	1 / 6

Classic Type Adjustable Torque Wrench

Design for easy torque adjustment
Quality accords to DIN ISO 6789:2017 & ASME B107.300-2010
Tolerance of torque ± 4%(CW)
CW/CCW Direction

1 Nm = 0.738 ft.lb. = 0.102 kgf.m
1 ft.lb. = 1.356 Nm = 0.138 kgf.m
1 in.lb. = 0.113 Nm = 1.152 kgf.cm





Dual Scale - Newton Meter & English & Kilogram-force meter (Nm / in.lb. / ft.lb. & kgf.m)

KT NO.	Square drive	Torque range Nm	Incr.	ft. lb.	Incr.	in. lb.	Incr.	kgf.m	Incr.	Overall length mm	g		
● 3426E-1HG	1/4"	2.5~11 Nm	0.5	2~8 ft.lb.	1	20~100 in.lb.	10	0.3~1.2 kgf.m	0.1	352	630	1 / 12
● 3436E-1HG	3/8"	2.5~11 Nm	0.5	2~8 ft.lb.	1	20~100 in.lb.	10	0.3~1.2 kgf.m	0.1	352	740	1 / 12
● 3436E-2HG	3/8"	7~33 Nm	1	5~24 ft.lb.	1	60~300 in.lb.	10	0.7~3.4 kgf.m	0.1	450	870	1 / 12
● 3436E-3HG	3/8"	14~68 Nm	2	10~50 ft.lb.	5	125~600 in.lb.	25	1.4~7 kgf.m	0.2	505	1210	1 / 12
● 3446E-1HG	1/2"	25~135 Nm	5	20~100 ft.lb.	2	200~1200 in.lb.	50	3~14 kgf.m	1	555	1640	1 / 12
● 3446E-2HG	1/2"	50~225 Nm	5	40~160 ft.lb.	5	400~2000 in.lb.	50	5~23 kgf.m	1	590	1710	1 / 12
● 3446E-3HG	1/2"	70~330 Nm	10	50~250 ft.lb.	5	600~3000 in.lb.	100	7~35 kgf.m	1	803	3440	1 / 6
● 3466E-1HG	3/4"	140~560 Nm	10	100~410 ft.lb.	10	1200~5000 in.lb.	100	14~57 kgf.m	1	977	8480	1 / 2
● 3466E-2HG	3/4"	200~800 Nm	20	150~600 ft.lb.	20	1800~7200 in.lb.	200	22~82 kgf.m	2	1033	8860	1 / 2

Click Type Adjustable Torque Wrench

Industrial application with durability
Loud click sound and strong impulse when required torque is reached
Tolerance of torque ± 3%(CW)
Quality accords to DIN ISO 6789:2017 & ASME B107.300-2010
Ideal for using on oily, chemical and noisy assembling working field
CW/CCW Direction



Dual Scale - Kilogram-force Centimeter(kgf.cm)

KT NO.	Gear teeth	Square drive	Torque range kgf.cm	Incr.	Overall length mm	g	
3432F-1KF	24	3/8"	50-250 kgf.cm	2.5 kgf.cm	240	450	1 / 24
3432F-3KF	24	3/8"	200-1000 kgf.cm	10 kgf.cm	342	800	1 / 12
3442F-1KF	24	1/2"	200-1000 kgf.cm	10 kgf.cm	342	800	1 / 12
3442F-3KF	24	1/2"	400-2000 kgf.cm	20 kgf.cm	498	1500	1 / 12

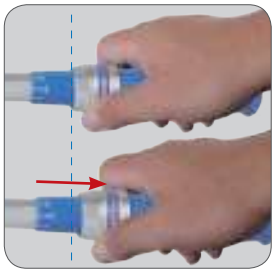
Adjustable Torque Wrench

Design for easy torque adjustment
Quality accords to DIN ISO 6789:2017 & ASME B107.300-2010
Tolerance of torque ± 4%(CW)
CW/CCW Direction





- The production of injection molding helps it against come off



- One hand operation
- Quick torque set
- Automatic torque locking



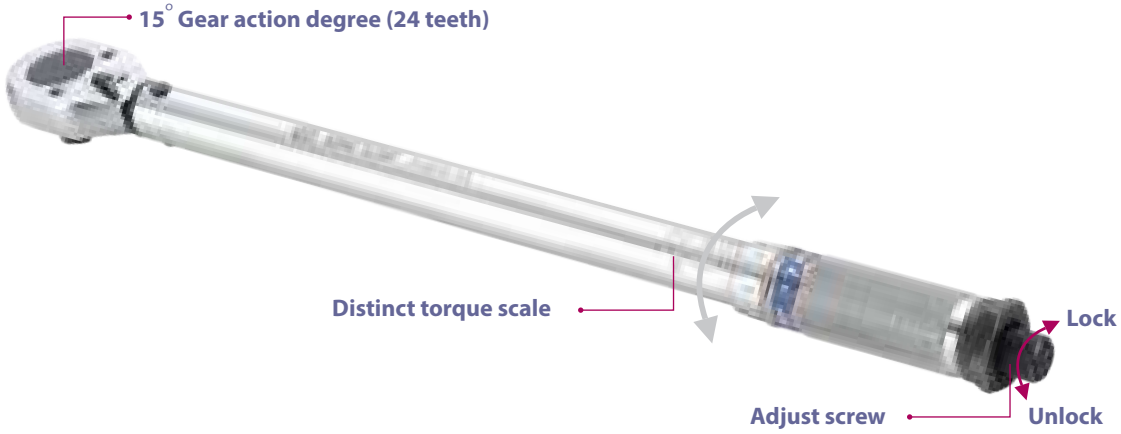
34464-1DK

Dual Scale - Newton Meter & English (Nm / ft.lb.)

KT NO.	Gear teeth	Square drive	Torque range Nm / ft.lb.	Incr.	Overall length mm	g	
34464-1FG	24	1/2"	40-210 Nm (33.2-151.2 ft.lb.)	1.0 Nm	470	1250	1 / 12
34464-2FG	24	1/2"	70-340 Nm (62.7-239.7 ft.lb.)	3.0 Nm	590	1590	1 / 12

Adjustable Torque Wrench

Quality accords to DIN ISO 6789:2017 & ASME B107.300-2010
Tolerance of torque ± 4%(CW)
CW/CCW Direction



Dual Scale - Newton Meter & Kilogram-force Centimeter / Kilogram-force meter (Nm & kgf.cm / kgf.m)

KT NO.	Square drive	Torque range Nm	Incr.	Torque range kgf.cm / kgf.m	Incr.	Overall length mm	g	
34223-1A	1/4"	5~25 Nm	0.1 Nm	51~255 kgf.cm	1 kgf.cm	280	595	1 / 12
34323-1A	3/8"	5~25 Nm	0.1 Nm	51~255 kgf.cm	1 kgf.cm	280	595	1 / 12
34323-2A	3/8"	20~110 Nm	1 Nm	2.04~11.22 kgf.m	0.1 kgf.m	370	820	1 / 12
34423-1A	1/2"	42~210 Nm	1 Nm	4.3~21.4 kgf.m	0.41 kgf.m	450	1340	1 / 12
34423-2A	1/2"	70~340 Nm	3 Nm	7.1~34.7 kgf.m	0.27 kgf.m	570	2400	1 / 12

Dual Scale - English & Kilogram-force Centimeter / Kilogram-force meter (in.lb. / ft.lb. & kgf.cm / kgf.m)

KT NO.	Square drive	Torque range in. lb. / ft. lb.	Incr.	Torque range kgf.cm / kgf.m	Incr.	Overall length mm	g	
34223-1B	1/4"	55~250 in. lb.	1.5 in.lb.	63~288 kgf.cm	1.13 kgf.cm	280	595	1 / 12
34323-1B	3/8"	55~250 in. lb.	1.5 in.lb.	63~288 kgf.cm	1.13 kgf.cm	280	595	1 / 12
34323-2B	3/8"	15~80 ft. lb.	0.5 ft.lb.	2.1~11.10 kgf.m	0.07 kgf.m	370	820	1 / 12
34423-1B	1/2"	30~150 ft. lb.	1 ft.lb.	4.2~20.8 kgf.m	0.14 kgf.m	450	1340	1 / 12
34423-2B	1/2"	50~250 ft. lb.	2 ft.lb.	6.9~34.6 kgf.m	0.27 kgf.m	570	2400	1 / 12

Dual Scale - Newton Meter & English (Nm & in.lb. / ft.lb.)

KT NO.	Square drive	Torque range Nm	Incr.	Torque range in. lb. / ft. lb.	Incr.	Overall length mm	g	
34223-1C	1/4"	6.2~28.2 Nm	0.17 Nm	55~250 in.lb.	1 in.lb.	280	595	1 / 12
34323-1C	3/8"	6.2~28.2 Nm	0.17 Nm	55~250 in.lb.	1 in.lb.	280	595	1 / 12
34323-2C	3/8"	20.3~108.5 Nm	0.68 Nm	15~80 ft.lb.	0.5 ft.lb.	370	820	1 / 12
34423-1C	1/2"	40.7~203.4 Nm	1.35 Nm	30~150 ft.lb.	1 ft.lb.	450	1658	1 / 12
34423-2C	1/2"	67.8~339 Nm	2.71 Nm	50~250 ft.lb.	2 ft.lb.	570	2400	1 / 12


34223-1DK1


34323-1DK1
34323-2DK1


34423-1DK1(24T)
-series NO. before 090923xxxx

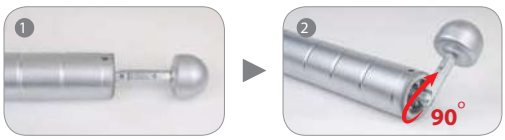

34423-3DK(24T)
-series NO. after 1309230001

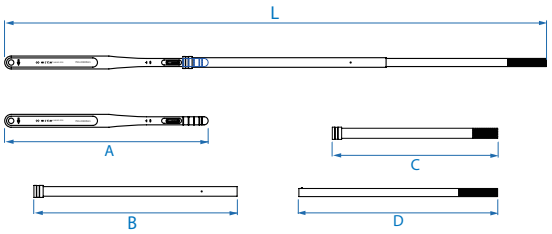
Heavy Duty Aluminum Adjustable Torque Wrench

Industrial application
Lightweight and robust;housing made by aluminium alloy
Multi-lever mechanism brings length independence and accurate torque
Loud click sound and string impulse when torque value reached
Easy lock and adjustment design
Tolerance of torque ± 3%(CW)
Quality accords to DIN ISO 6789:2017 & ASME B107.300-2010



Step:





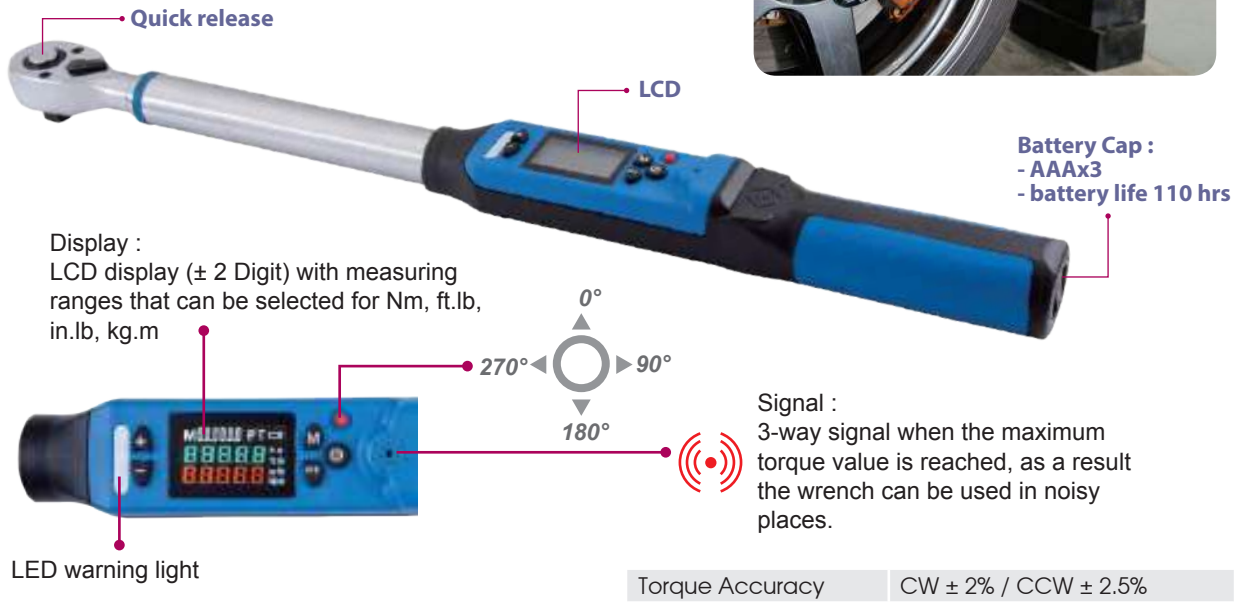
Dual Scale - Newton Meter & English (Nm & ft. lb.)

KT NO.	Square drive	Torque range Nm	Incr.	ft.lb.	Incr.	A	B	C	D	Overall length mm	kg	
3445G-1FB	1/2"	40~200 Nm	5	30~150 ft.lb.	5	563	-	-	-	563	1.50	1 / 12
3465G-1FB	3/4"	110~550 Nm	10	80~400 ft.lb.	10	827	-	-	-	827	3.00	1 / 2
3465G-2FB	3/4"	140~760 Nm	10	100~560 ft.lb.	10	827	-	-	-	827	3.00	1 / 2
3465G-3FB	3/4"	200~1000 Nm	10	140~740 ft.lb.	10	825	-	762	-	1413	3.80	1 / 2
3485G-1DB	1"	600~1500 Nm	25	-	-	947	771	-	362	1615	10.90	1 / 1
3485G-2DB	1"	750~2000 Nm	50	-	-	947	946	-	925	2370	11.70	1 / 1

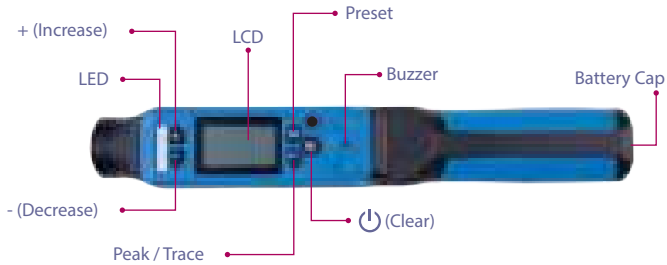
Electronic Torque Wrench

Electronic torque value readout
Peak and trace mode selection
Angle accuracy (34387/34487)
Buzzer and LED indicator for presetting target torque
Engineering units (Nm, ft.lb, in.lb, kgf.m) adjustment
Switch off automatically after 60 seconds
DIN ISO 6789:2017 & ASME B107.300-2010
CW ± 2% and CCW ± 2.5% operation

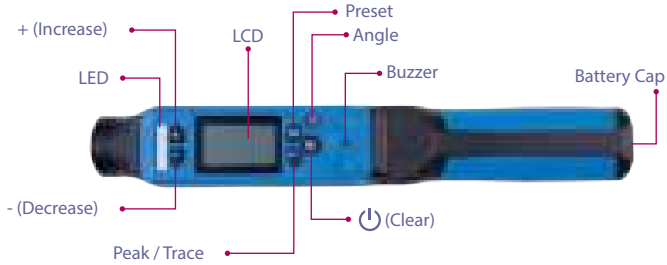




- Electronic Torque Wrench (34367-2AG, 34467-1AG)



- Electronic Torque Angle-controlled Wrench (34387-2AG, 34487-1AG)



Torque Accuracy	CW ± 2% / CCW ± 2.5%
Preset Function	10
Display Resolution	0.1 Nm/ ft.lb. , 1.0 lb.in, 0.01 kgf.m
Operation Mode	Peak/Trace
Battery	AAAx3
Backlight	Yes (Nagative)
Alert	LED & Buzzer
Operating Ambient Temperature	-10°C ~ 60°C
Storage Temperature	-20°C ~ 70°C
Operation Relative Humidity	15 to 90% noncodensing

34387-2AG / 34487-1AG :

Angle Accuracy	(± 1% of reading)+(± 1% angular velocity > 10°/sec < 180°/sec)
Angle Range	0-360°
Angle Preset	1



● 34367-2DK ● 34387-2DK
● 34467-1DK ● 34487-1DK

Dual Scale - Newton Meter & English & Kilogram-force meter (Nm / in.lb. / ft.lb. & kgf.m)

KT NO.	Gear teeth	Square drive	Torque range Nm	in.lb.	ft.lb.	kgf.m	Overall length mm	g	
● 34367-2AG	72	3/8"	27-135 Nm	239~1195 in.lb.	19.9-99.6 ft.lb.	2.75~13.76 kgf.m	460	1400	1 / 6
● 34467-1AG	36	1/2"	40-200 Nm	354~1770 in.lb.	29.5-147.5 ft.lb.	4.08~20.38 kgf.m	530	1500	1 / 6
● 34387-2AG	72	3/8"	27-135 Nm	239~1195 in.lb.	19.9-99.6 ft.lb.	2.75~13.76 kgf.m	460	1400	1 / 6
● 34487-1AG	36	1/2"	40-200 Nm	354~1770 in.lb.	29.5-147.5 ft.lb.	4.08~20.38 kgf.m	530	1500	1 / 6

Electronic Torque Adapter

34207-1A | 34307-1A | 34407-1A CE

▪ Specifications:

Accuracy	± 2%
Memory	50
Display Resolution	0.1 Nm /ft.lb. ,0.01 kgf.m
Operation Mode	Peak/Trace
Unit Selection	kgf.m , ft.lb. , Nm
Battery	AAA x 2 PC.
Battery Life	110hrs (continuous operation)
Operating Ambient Temperature	-10°C - 60°C (13.9°F - 139.9°F)
Storage Temperature	-20°C - 70°C (-4°F - 157.9°F)
Operating Relative Humidity	15 to 90% noncondensing
Switch off Automatically	70 seconds (if do not use electronic torque adapter.)
LED indicator	Green. Red
Overload Alarm	34207-1A: 37.5 Nm (27.6 ft.lb.) 34307-1A: 168.8 Nm(124.5 ft.lb.) 34407-1A: 250 Nm (184.4 ft.lb.)



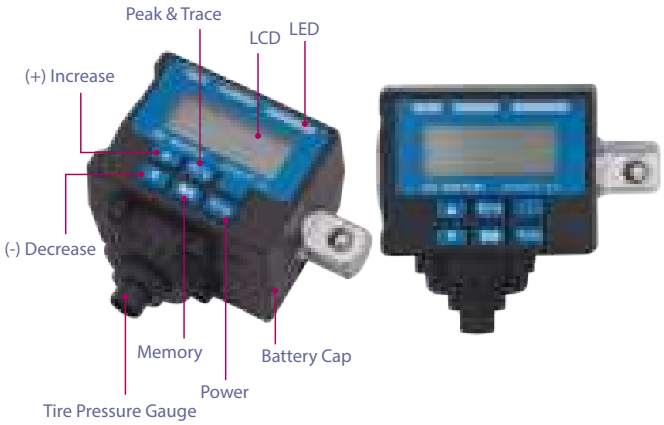


Dual Scale - Newton Meter & English & Kilogram-force meter (Nm / ft.lb. & kgf.m)

KT NO.	Square drive	Torque range Nm	ft.lb.	kgf.m	Size mm	g	
34207-1A	1/4"	6~30 Nm	4.4~22.1 ft.lb.	0.61~3.06 kgf.m	L75 x W45 x H40	124	12 / 48
34307-1A	3/8"	27~135 Nm	19.9~99.6 ft.lb.	2.75~13.76 kgf.m	L75 x W45 x H40	198	12 / 48
34407-1A	1/2"	40~200 Nm	29.5~147.5 ft.lb.	4.08~20.38 kgf.m	L75 x W45 x H40	199	12 / 48

34407T-1A

Accuracy	± 2%
Memory	50
Display Resolution	0.1 Nm /ft.lb. ,0.01 kgf.m 1Psi /0.001 Bar /0.001 kgf-cm² /0.01 Kpa
Operation Mode	Peak/Trace
Unit Selection	kg-cm, kg-m, lb-in, lb-ft, N-m Kpa, bar, psi, kg-cm²
Battery	AAA x 2 PC.
Battery Life	50hrs (continuous operation)
Operating Ambient Temperature	-10°C - 60°C (13.9°F - 139.9°F)
Storage Temperature	-20°C - 70°C (-4°F - 157.9°F)
Operating Relative Humidity	15 to 90% noncondensing
Auto Shut off	60 seconds





Dual Scale - Newton Meter & English & Kilogram-force meter (Nm / ft.lb. & kgf.m)

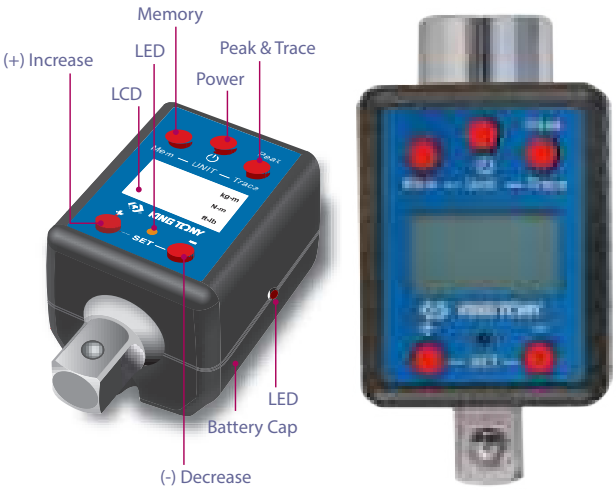
KT NO.	Square drive	Torque range Nm	ft.lb.	kgf.m	Pressure range	Size mm	g	
34407T-1A	1/2"	40-200	29.5-147.5 ft.lb	4.08~20.38 kgf.m	1-100 psi (0.069~6.6bar)	L75 x W67 x H46 mm	343	1 / 24

Electronic Torque Adapter

34607-1A

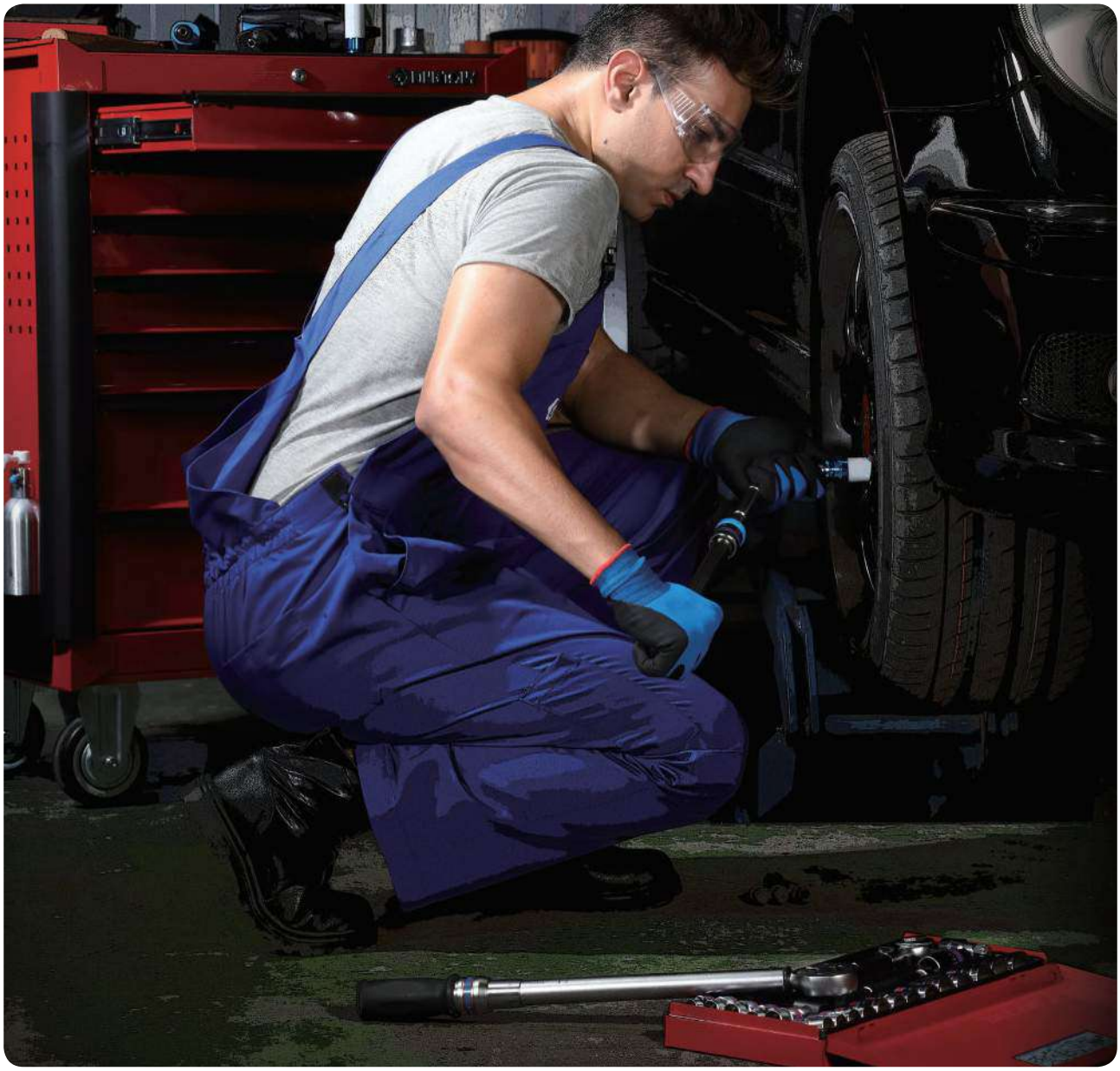
- Specifications:

Accuracy	± 2%
Memory	50
Display Resolution	0.1 Nm / ft.lb. , 0.01 kgf.m
Operation Mode	Peak/Trace
Unit Selection	kgf.m , ft.lb. , Nm
Battery	AA x 2 PC.
Battery Life	110hrs (continuous operation)
Operating Ambient Temperature	-10°C - 60°C (13.9°F - 139.9°F)
Storage Temperature	-20°C - 70°C (-4°F - 157.9°F)
Operating Relative Humidity	15 to 90% noncondensing
Switch off Automatically	70 seconds (if do not use electronic torque adapter.)
LED indicator	Green. Red
Overload Alarm	1250 Nm (922 ft.lb.)



Dual Scale - Newton Meter & English & Kilogram-force meter (Nm / ft.lb. & kgf.m)

KT NO.	Square drive	Torque range Nm	Torque range ft.lb.	Torque range kgf.m	Size mm	g	
34607-1A	3/4"	200 ~1000 Nm	147.6~738 ft.lb.	20.4~102 kgf.m	L110 x W56 x H60	585	6 / 24



Torque Screwdriver

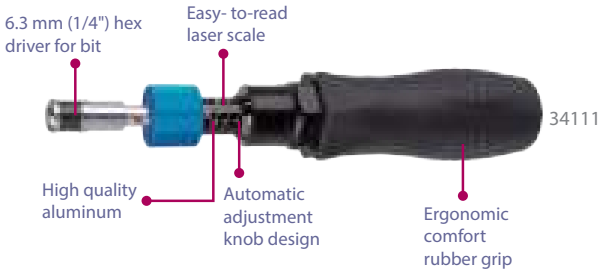
34111

- Suitable for 1/4" Hex insert bit; 1/4" socket
- Automatic adjustment knob design
- Easy-to-read laser scale
- Ergonomic comfort rubber grip
- Tolerance of torque ± 5%(CW)
- Quality meets DIN ISO 6789:2017 & ASME B107.300-2010



• Tolerance of torque within ± 5%(CW)

34211





KT NO.	1/4"DR.	Torque range cNm / Nm / in-lb	Incr.	Overall length mm	g	
34111-1DG	○	30~120 cNm	1 cNm	180	207	1 / 24
34111-1EG	○	3~15 in-lb	0.1 in-lb	180	207	1 / 24
34111-2DG	○	1.5~6.5 Nm	0.1 Nm	196	475	1 / 24
34111-2EG	○	10~50 in-lb	0.5 in-lb	196	475	1 / 24
34211-3DG	■	4~9 Nm	0.1 Nm	196	475	1 / 24

Torque Angle Gauge

34440

34440A

34660

34660A

- Square Drive :
  34440 (1/2" x 1/2")
  34660 (3/4" x 3/4")
- 360° angle scale- clearly marked in 2° increments, and in intervals of 10° and 30°
- Indicator etched on clear plastic plate, protects angle scale from dirt and grease
- Adjustable arm keeps angle scale stationary
- Arm has two lengths for additional flexibility in placement against components
- Tough composite dial and rotating index allow operator to accurately tighten to meet standard



34440



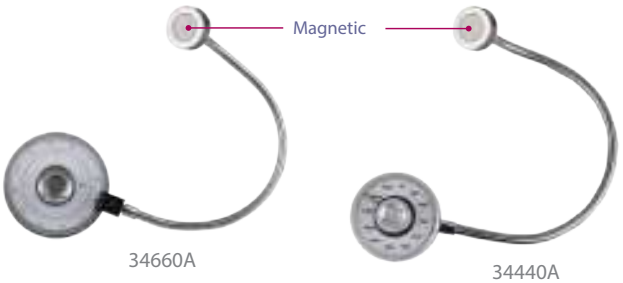
34660



• Step 1 : Set up the torque value by torque wrench



• Step 2 : Adjust the angle by angle gauge



34660A

34440A

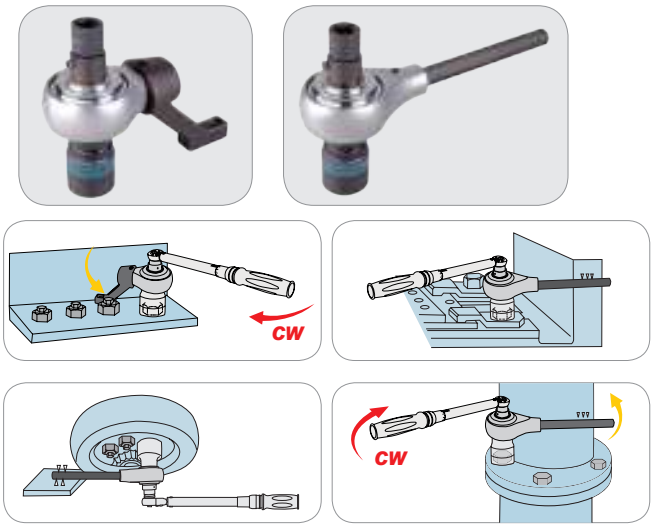
KT NO.	Spec.	g	
34440	1/2"Fx1/2"M	190	12 / 48
34440A	1/2"Fx1/2"M	375	6 / 24
34660	3/4"Fx3/4"M	666	6 / 12
34660A	3/4"Fx3/4"M	908	6 / 12

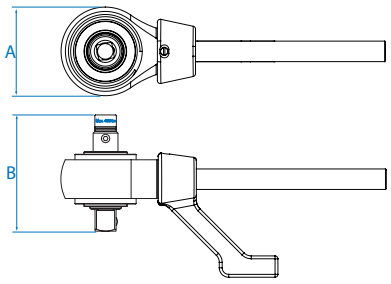


Torque Multiplier

34486 | 34488 | 34688

- Torque multiplication with 5:1, accuracy guaranteed better than ± 5%
- Reaction bar supplied in two styles for maximum versatility
- Ideal construction offers minimal maintenance and extended life
- Portable package brings convenience for use in different working places









Contents

	34486-05A 34488-05A 34688-05A	Multiplier head 1 PC.
	34688-P01	Reaction bar 1 PC.
	34688-P02	Reaction bar 1 PC.
	34486-P03 34488-P03 34688-P03	Safety break-Away Adapter 1 PC.

KT NO.	Ratio	Input square	Output square	Max input torque Nm / ft.lb	Max output torque Nm / ft.lb	A mm	B mm	kg	
34486	5 : 1	1/2"	3/4"	300 / 220	1500 / 1100	108	140.3	7.1	1 / 2
34488	5 : 1	1/2"	1"	400 / 290	2000 / 1450	108	136.3	7.5	1 / 2
34688	5 : 1	3/4"	1"	540 / 400	2700 / 2000	108	161.0	7.7	1 / 2



Torque Multiplier

34488-26

- Torque multiplication with 26:1, accuracy guaranteed better than ± 5%
- Reaction bar supplied in two styles for maximum versatility
- High ratios offers an idea to replace long lever arm and heavy wrench
- Ideal construction offers minimal maintenance and extended life
- Portable package brings convenience for use in different working places
- Anti-backlash device







34488-26DK

Contents



Multiplier head 1 PC.



Reaction bar 2 PC.









KT NO.	Ratio	Input square	Output square	Max input torque Nm / ft.lb	Max output torque Nm / ft.lb	kg	
34488-26	26 : 1	1/2"	1"	175 / 130	4500 / 3300	15.7	1 / 1



Universal Torque Convertor Set

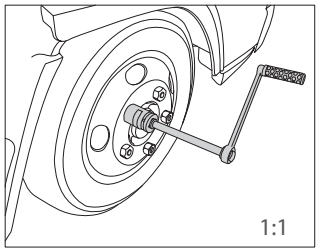
3488A03MP

- It is a newly designed wheel wrench for truck or car tires by using less labor to reach a sufficient output torque
- Suitable for trucks, buses, and other heavy duty vehicles



Contents

	Power enhanced device 1 PC.
	Prolonged pole 1 PC.
	Handle 1 PC.
 8835M	32, 33



KT NO.	Ratio	Input square	Output square	Max output torque Nm / ft.lb	kg	
3488A03MP	47 : 1	1"	1"	4700 / 3466	9.3	1 / 2



Torque Tester

ZV011

7.7 kg | 1 / 1

Calibration Range	2~60 Nm
Accuracy	± 0.5%
Units of Measurement	Lb-in, Lb-ft, Kg-m, Kg-cm, N-m, N-cm
Input Hex A/F (mm)	10mm
Square Drive Adaptor (inch)	1/4", 3/8", 1/2"
Operating Temperature Range	+5°C~ +40°C
Storage Temperature Range	+0°C~ +70°C
Power Input	100-240V DC9.0V⎓1.66A, 15W MAX
Base Material / Finish	Aluminum Alloy / Painting
Dimension	210(L) x 150(W) x 140(H) mm


233510M


333510M


433510MR



ZV011A		Europe
ZV011B		America & Asia
ZV011D		Australia & New Zealand

ZV012

8.1 kg | 1 / 1

Calibration Range	8~400 Nm
Accuracy	± 0.5%
Units of Measurement	Lb-in, Lb-ft, Kg-m, Kg-cm, N-m, N-cm
Input Hex A/F (mm)	22mm
Square Drive Adaptor (inch)	3/8", 1/2", 3/4"
Operating Temperature Range	+5°C~ +40°C
Storage Temperature Range	+0°C~ +70°C
Power Input	100-240V DC9.0V⎓1.66A, 15W MAX
Base Material / Finish	Aluminum Alloy / Painting
Dimension	210(L) x 150(W) x 140(H) mm


333522M


433522MR


633522M



ZV012A		Europe
ZV012B		America & Asia
ZV012D		Australia & New Zealand

ZV013

8.9 kg | 1 / 1

Calibration Range	100~1500 Nm
Accuracy	± 0.5%
Units of Measurement	Lb-in, Lb-ft, Kg-m, Kg-cm, N-m
Input Hex A/F (mm)	36mm
Square Drive Adaptor (inch)	3/4"
Operating Temperature Range	+5°C~ +40°C
Storage Temperature Range	+0°C~ +70°C
Power Input	100-240V DC9.0V⎓1.66A, 15W MAX
Base Material / Finish	Aluminum Alloy / Painting
Dimension	210(L) x 150(W) x 140(H) mm


633536M



ZV013A		Europe
ZV013B		America & Asia
ZV013D		Australia & New Zealand



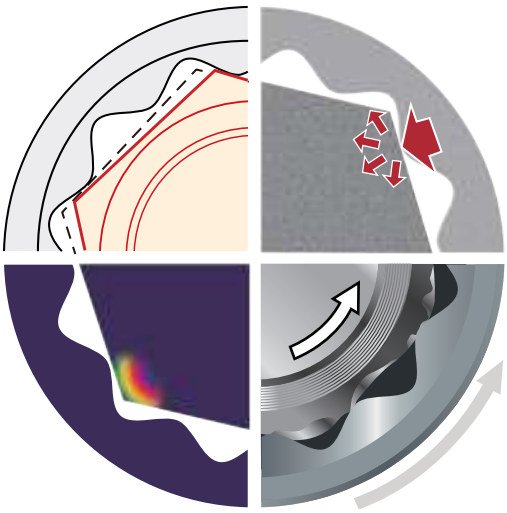
WRENCHES

- Combination Wrench
- Open End Wrench
- Offset Ring Wrench
- Half Moon Ring Wrench
- Crowfoot Wrench
- Star Box End Wrench
- Flare Nut Wrench
- Flexible Head Socket Wrench
- Slogging Wrench
- Heavy Duty Wrench
- End Tubular Wrench
- Speed Wrench
- Double Sizes Ratchet Wrench
- Angled Socket Wrench
- Adjustable Wrench
- Double Sided Self-Adjusting Wrench
- Hook Spanner Wrench
- Chain & Strap Wrench
- Wheel Nut Wrench
- T-Type Socket Wrench
- T-shaped Driver


KING TONY
1062
22
20
18
12

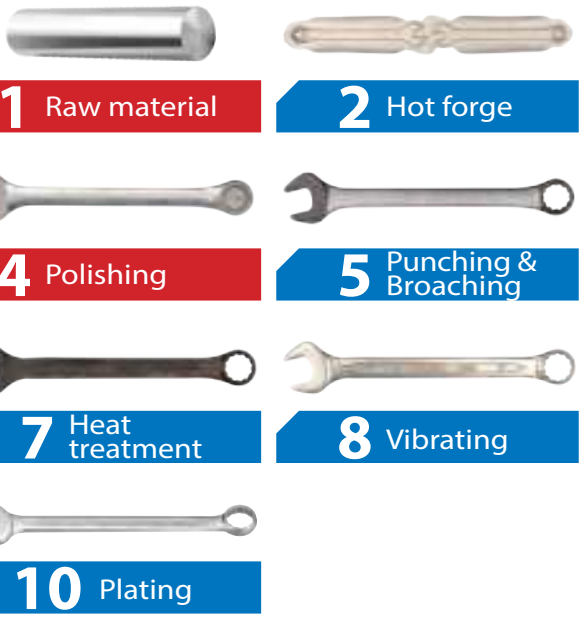
KING TONY UNIT DRIVE Profile

1. A large contact surface provides a secure force closure even for bolts whose sizes are out of the tolerances.
2. Radiate distribution of the force on the bolt flanks, reducing notch effect, which prevents the bolt from being rounded.
3. Gentle torque transfer enables worn bolts to be loosened.
4. Optimally distributed force up to 20 % higher torques can be transferred.



The KING TONY UNIT DRIVE prevents the bolts from being damaged by using of a wave form without any tipped or sharp edges.
Enlarged, round contact surfaces ensure that torque is reliably transferred - acting radiately, as it does, on the bolt.
Minimising notch effect prevents any damage to the bolt.

Wrench Made

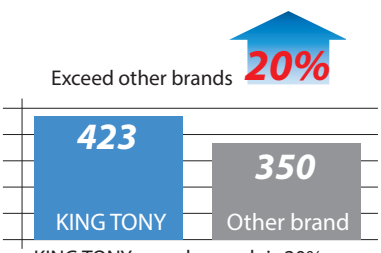


Advanced structure saves time

There are more and more improved tool structures come out every year. King Tony selects useful idea and engineering function on developing new product within quality and economic concern. Every piece of component is designed for the comfort to users.



King Tony Other brand



KING TONY speed wrench is 20% stronger than others.

Ultra-Light & Long Combination Wrench & Set

KT No. & D1

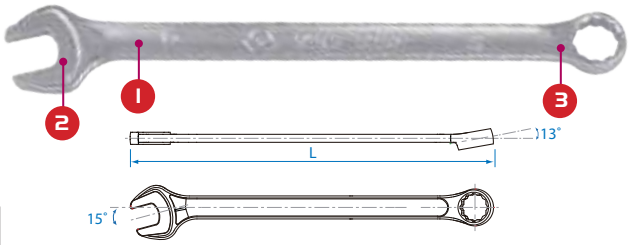


1061

PAT.

- New forge technologies I-Beam shank offers 20% lightweight and better strength
- 15° open slimline type
- 13° ring end offset from shaft
- Chrome vanadium alloy steel
- Chrome plated
- DIN 3113 / ISO 7738

TAIWAN EXCELLENCE 2016

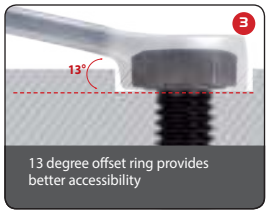




New slimline I-Beam shank offers superior strength with less effort



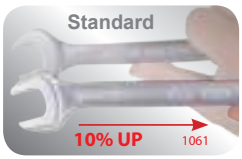
More powerful open end with big thumb point delivers more torque



13 degree offset ring provides better accessibility







KT NO.	Size mm	L mm	g	
1061-06	6	128	20	12 / 768
1061-07	7	148	28	12 / 576
1061-08	8	148	28	12 / 576
1061-09	9	167	45	12 / 384
1061-10	10	167	45	12 / 384
1061-11	11	186	55	12 / 240
1061-12	12	196	65	12 / 192
1061-13	13	205	80	12 / 192
1061-14	14	223	97	12 / 120
1061-15	15	233	120	12 / 144
1061-16	16	243	135	12 / 144
1061-17	17	262	165	12 / 96
1061-18	18	272	190	12 / 96

KT NO.	Size mm	L mm	g	
1061-19	19	281	210	12 / 96
1061-20	20	301	260	8 / 48
1061-21	21	301	260	8 / 48
1061-22	22	319	305	8 / 48
1061-23	23	319	305	8 / 48
1061-24	24	338	380	5 / 40
1061-25	25	358	443	5 / 40
1061-26	26	358	437	5 / 40
1061-27	27	383	523	5 / 40
1061-28	28	383	507	5 / 40
1061-29	29	408	621	5 / 20
1061-30	30	408	630	5 / 20
1061-32	32	433	778	5 / 20



► Pouch material : Tetoron

KT NO.	PC.		Contents	Kg	
12C7MRN	7		8, 10, 11, 13, 14, 17, 19	0.77	1 / 24
new 12C7MRN01	7		8, 10, 12, 13, 14, 17, 19	0.77	1 / 24
12C8MRN	8		6, 7, 8, 9, 10, 11, 12, 13	0.77	1 / 24
12A0MRN	10	 1061	10, 11, 12, 13, 14, 15, 16, 17, 18, 19	1.35	1 / 12
12A1MRN	11		8, 10, 12, 13, 14, 16, 17, 18, 19, 22, 24	2.06	1 / 12
12A3MRN	13		8, 10, 11, 12, 13, 14, 15, 16 ,17, 18, 19, 22, 24	2.16	1 / 12
12A4MRN	14		8, 10, 11, 12, 13, 14, 15, 16 ,17, 18, 19, 21, 22, 24	2.44	1 / 8
12B4MRN	24		6, 8, 10, 11, 12, 13, 14, 15, 16 ,17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32	7	1 / 2

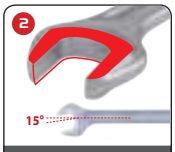
Combination Wrench



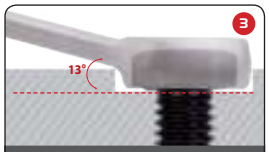
1062 PAT.



New slimline I-Beam shank offers superior strength with less effort



More powerful open end with big thumb point delivers more torque



13 degree offset ring provides better accessibility

- 15° open end reinforcement design in slim profile
- 13° ring end high relief zone design with thin wall access ability
- Chrome vanadium alloy steel
- Metric - DIN 3113, ISO 7738



KT NO.	Size mm	L mm	g	
1062-06	6	105	18	12 / 504
1062-07	7	115	20	12 / 504
1062-08	8	125	25	12 / 504
1062-09	9	135	34	12 / 504
1062-10	10	145	39	12 / 504
1062-11	11	155	46	12 / 504
1062-12	12	165	56	12 / 216
1062-13	13	175	69	12 / 216
1062-14	14	185	80	12 / 216
1062-15	15	195	93	12 / 192
1062-16	16	205	111	12 / 192
1062-17	17	215	119	12 / 192
1062-18	18	225	138	12 / 144

KT NO.	Size mm	L mm	g	
1062-19	19	235	158	12 / 144
1062-20	20	245	182	12 / 144
1062-21	21	255	203	12 / 96
1062-22	22	265	225	12 / 96
1062-23	23	275	251	12 / 96
1062-24	24	285	287	6 / 54
1062-25	25	295	326	6 / 54
1062-26	26	305	344	6 / 54
1062-27	27	315	371	6 / 54
1062-28	28	325	387	6 / 48
1062-29	29	335	456	6 / 48
1062-30	30	345	514	6 / 48
1062-32	32	365	557	6 / 48

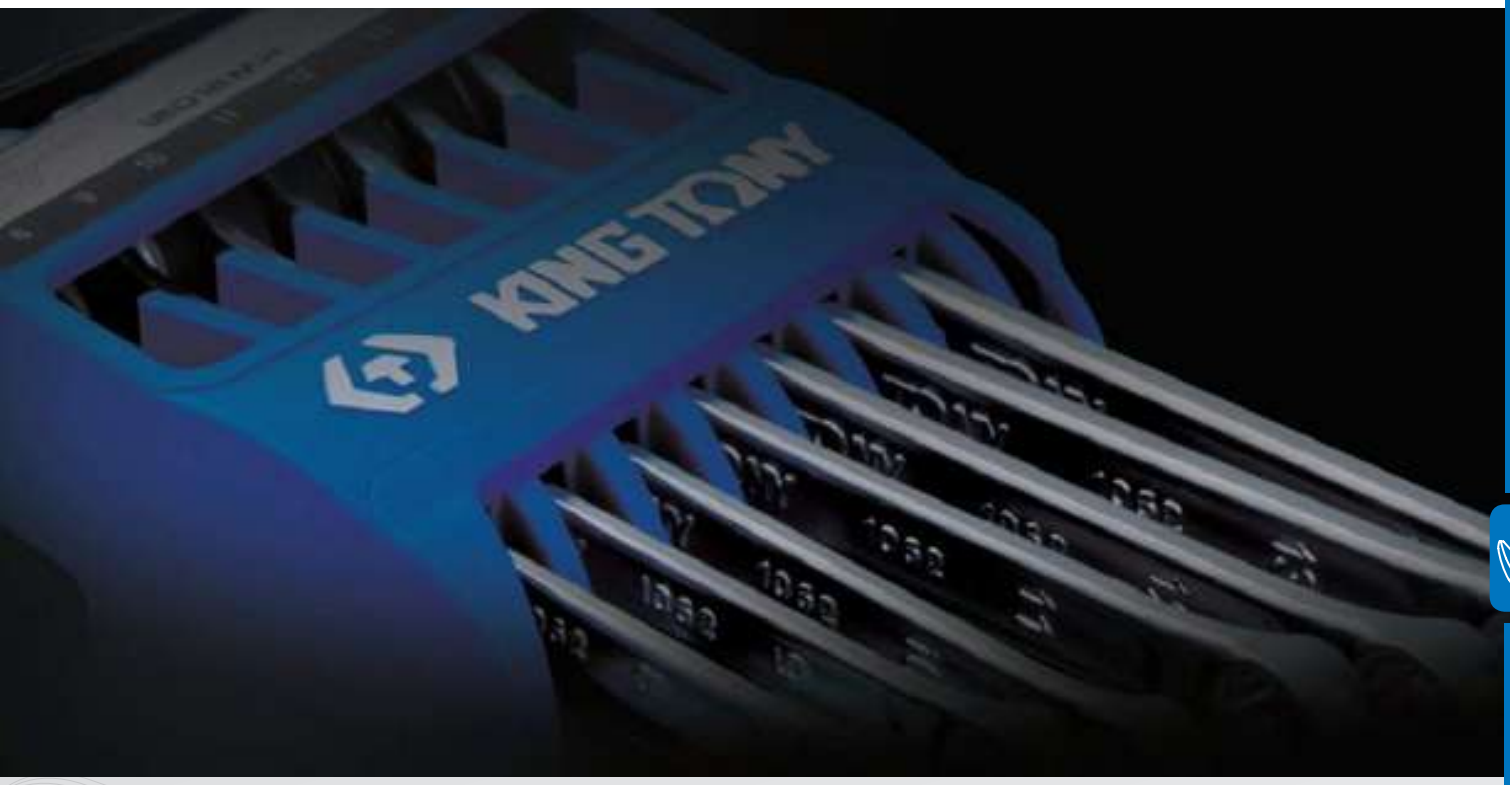
Combination Wrench Set



► MRN / SRN : Tetoron pouch bag

KT NO.	PC.		Contents	Package	Kg	
new 12D09MRN	9		8, 9, 10, 11, 12, 13, 14, 17, 19	Tetoron	0.80	1 / 24
new 12D13MRN	13		6, 8, 10, 11, 12, 13, 14, 15, 17, 19, 21, 22, 24	Tetoron	1.68	1 / 12
new 12D15MRN	15	1062	10, 11, 12, 13, 14, 15, 16, 17, 19, 21, 22, 24, 27, 30, 32	Tetoron	3.32	1 / 8
new 12D26MRN	26		6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32	Tetoron	5.60	1 / 4

Portable Wrench Set



12D12MRS new

- Wrench safely locked in support



- Easy to recognize



- One-handed carry



- Quick storage



- Elastic structure design



- Hanging hole



KT NO.	PC.		Contents	Package	Kg	
12D12MRS	12	1062	8, 9, 10, 11, 12, 13, 14, 16, 17, 18, 19, 22	color box	1.4	1 / 12

Combination Wrench

KT No. & D1

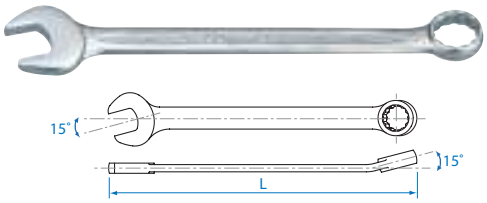


1060

- European slimline type
- 15° open end angle
- 15° ring end offset from shaft
- Chrome vanadium alloy steel
- Chrome plated
- Metric - DIN 3113, ISO 7738
- Inch - ANSI / ASME B107.6

KT NO.	Size mm	L mm	g	
1060-55	5.5	105	16	12 / 504
1060-06	6	105	18	12 / 504
1060-07	7	115	20	12 / 504
1060-08	8	125	25	12 / 504
1060-09	9	135	34	12 / 504
1060-10	10	145	39	12 / 504
1060-11	11	155	46	12 / 504
1060-12	12	165	56	12 / 216
1060-13	13	175	69	12 / 216
1060-14	14	185	80	12 / 216
1060-15	15	195	93	12 / 192
1060-16	16	205	111	12 / 192
1060-17	17	215	119	12 / 192
1060-18	18	225	138	12 / 144
1060-19	19	235	158	12 / 144
1060-20	20	245	182	12 / 144
1060-21	21	255	203	12 / 96
1060-22	22	265	225	12 / 96
1060-23	23	275	251	12 / 96
1060-24	24	285	287	6 / 54
1060-25	25	295	326	6 / 54
1060-26	26	305	344	6 / 54
1060-27	27	315	371	6 / 54
1060-28	28	325	387	6 / 48
1060-29	29	335	456	6 / 48
1060-30	30	345	514	6 / 48
1060-32	32	365	557	6 / 48

5060



KT NO.	Size inch	L mm	g	
5060-08	1/4	105	18	12 / 504
5060-10	5/16	125	25	12 / 504
5060-12	3/8	145	39	12 / 504
5060-14	7/16	155	46	12 / 504
5060-16	1/2	175	69	12 / 216
5060-18	9/16	185	80	12 / 216
5060-20	5/8	205	111	12 / 192
5060-22	11/16	215	119	12 / 192
5060-24	3/4	235	158	12 / 144
5060-26	13/16	255	203	12 / 96
5060-28	7/8	265	220	12 / 96
5060-30	15/16	285	287	6 / 54
5060-32	1	295	326	6 / 54
5060-34	1-1/16	315	371	6 / 54
5060-36	1-1/8	335	456	6 / 48
5060-40	1-1/4	365	557	6 / 48

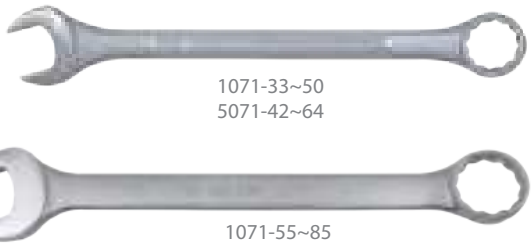
1071

- Jumbo type
- 15° open end angle
- 15° ring end offset from shaft
- Polished, chrome plated
- Metric - DIN 3113, ISO 7738
- Inch - ANSI / ASME B107.6

KT NO.	Size mm	L mm	g	
1071-33	33	410	765	5 / 20
1071-34	34	410	745	5 / 20
1071-35	35	425	960	5 / 20
1071-36	36	425	960	5 / 20
1071-38	38	455	1155	5 / 20
1071-41	41	495	1402	5 / 15
1071-42	42	495	1394	5 / 15
1071-44	44	495	1479	5 / 15
1071-46	46	495	1515	5 / 15
1071-48	48	563	2550	5 / 10
1071-50	50	563	2550	5 / 10

KT NO.	Size mm	L mm	g	
1071-55	55	610	2520	5
1071-60	60	645	3000	5
1071-65	65	665	3300	5
1071-70	70	708	5760	2
1071-75	75	708	5770	2
1071-80	80	730	7700	2
1071-85	85	730	7700	2

5071



KT NO.	Size inch	L mm	g	
5071-42	1-5/16	410	760	5 / 20
5071-44	1-3/8	425	970	5 / 20
5071-46	1-7/16	425	950	5 / 20
5071-48	1-1/2	455	1150	5 / 20
5071-50	1-9/16	495	1546	5 / 15
5071-52	1-5/8	495	1402	5 / 15
5071-54	1-11/16	495	1432	5 / 15
5071-56	1-3/4	495	1419	5 / 15
5071-58	1-13/16	495	1478	5 / 15
5071-60	1-7/8	563	2540	5 / 10
5071-62	1-15/16	563	2550	5 / 10
5071-64	2	563	2540	5 / 10

Combination Wrench Set



► MRN / SRN : Tetoron pouch bag



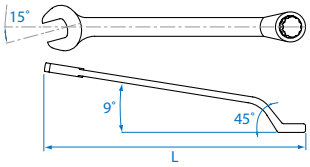
► MR / SR : Nylon pouch bag

KT NO.	PC.		Contents	Package	Kg	
1207MR	7		10, 11, 12, 13, 14, 17, 19	Nylon	0.71	1 / 30
1208MR	8		10, 11, 12, 13, 14, 17, 19, 22	Nylon	0.95	1 / 24
1210MR	10		8, 10, 12, 13, 14, 17, 19, 21, 22, 24	Nylon	1.38	1 / 16
1211MR	11		8, 9, 10, 11, 12, 13, 14, 17, 19, 22, 24	Nylon	1.33	1 / 16
1212MR	12		8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 19, 22	Nylon	1.28	1 / 16
1212MR01	12		6, 8, 10, 12, 13, 14, 17, 19, 24, 27, 30, 32	Nylon	3.23	1 / 8
1214MR	14		10, 11, 12, 13, 14, 16, 17, 19, 21, 22, 24, 27, 30, 32	Nylon	3.18	1 / 8
new 1214MRN	14		10, 11, 12, 13, 14, 16, 17, 19, 21, 22, 24, 27, 30, 32	Tetoron	3.31	1 / 8
1214MR01	14		10, 11, 13, 14, 16, 17, 18, 19, 21, 22, 24, 27, 30, 32	Nylon	3.25	1 / 8
1215MR	14	1060	8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 19, 21, 22, 24	Nylon	1.86	1 / 12
1215MR01	14		8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24	Nylon	3.22	1 / 12
1215MR02	15		6, 7, 8, 10, 11, 12, 13, 14, 17, 19, 22, 24, 27, 30, 32	Nylon	2.92	1 / 8
1211MRN	11		8, 9, 10, 11, 12, 13, 14, 17, 19, 22, 24	Tetoron	1.33	1 / 16
1214MRN01	14		10, 11, 13, 14, 16, 17, 18, 19, 21, 22, 24, 27, 30, 32	Tetoron	3.35	1 / 8
1214MRN05	14		6, 7 ,8 ,9 ,10 ,11 ,12 ,13 ,14 ,15, 16, 17, 18, 19	Tetoron	1.24	1 / 12
1215MRN01	14		8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24	Tetoron	1.92	1 / 12
1215MRN02	15		6, 7, 8, 10, 11, 12, 13, 14, 17, 19, 22, 24, 27, 30, 32	Tetoron	2.92	1 / 8
1218MR01	18		6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24	Nylon	2.5	1 / 9
1218MRN	18			Tetoron	1.34	1 / 9
1226MR	26		6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32	Nylon	5.67	1 / 4
1226MRN	26			Tetoron	5.67	1 / 4
1207SR	7		3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4	Nylon	0.61	1 / 30
1211SR	11		1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 11/16, 3/4, 13/16, 7/8, 15/16	Nylon	1.48	1 / 16
1211SR01	11		1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 7/8, 1	Nylon	1.46	1 / 16
1211SR02	11		3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1	Nylon	1.63	1 / 12
1214SR	14	5060	5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1-1/8, 1-1/4	Nylon	3.02	1 / 8
1216SR	16		1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1-1/16, 1-1/8, 1-1/4	Nylon	3.44	1 / 8
1216SRN	16		1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1-1/16, 1-1/8, 1-1/4	Tetoron	3.63	1 / 6
1213SRN	13		1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1	Tetoron	1.96	1 / 10
1214SRN01	14		3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1-1/16, 1-1/8, 1-1/4	Tetoron	3.54	1 / 8
1296MRN	6	1071	34, 36, 38, 41, 46, 50	Tetoron	8.87	1 / 2
1224CRN	24	1060	7, 8, 10, 11, 12, 13, 14, 15, 16, 17 19, 22	Tetoron	2.93	1 / 6
		5060	1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16			

Offset Combination Wrench & Set

1063

- Chrome vanadium alloy steel
- Offset ring ideal for deep-seated nuts or bolts
- 15° open end angle
- Chrome plated
- Metric - DIN 3113, ISO 7738, ISO 3318



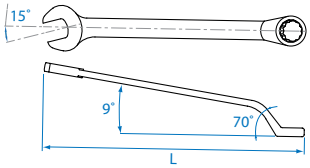


KT NO.	Size mm	L mm	g	
1063-06	6	110	19	20 / 360
1063-08	8	130	32	20 / 320
1063-11	11	160	59	20 / 320
1063-12	12	170	73	20 / 240
1063-14	14	190	103	15 / 240
1063-15	15	200	118	15 / 180

KT NO.	Size mm	L mm	g	
1063-16	16	210	135	15 / 180
1063-17	17	220	153	15 / 120
1063-18	18	230	179	12 / 96
1063-21	21	260	224	10 / 80
1063-22	22	270	258	10 / 80
1063-27	27	320	448	6 / 48
1063-30	30	350	552	6 / 48
1063-32	32	370	683	6 / 48

1067

- Chrome vanadium alloy steel
- Offset ring ideal for deep-seated nuts or bolts
- 15° open end angle
- Chrome plated
- DIN 3113, ISO 7738, ISO 3318





KT NO.	Size mm	L mm	g	
1067-06	6	105	18	10 / 640
1067-07	7	115	23	10 / 640
1067-08	8	125	25	10 / 640
1067-09	9	135	36	10 / 480
1067-10	10	145	42	6 / 288
1067-11	11	155	55	12 / 240
1067-12	12	165	61	10 / 200
1067-13	13	175	79	8 / 160
1067-14	14	185	93	10 / 160
1067-15	15	195	110	10 / 160
1067-16	16	205	119	10 / 160
1067-17	17	215	148	8 / 128
1067-18	18	225	158	12 / 144

KT NO.	Size mm	L mm	g	
1067-19	19	235	192	10 / 120
1067-20	20	235	256	10 / 80
1067-21	21	265	250	10 / 80
1067-22	22	265	256	10 / 80
1067-23	23	290	316	8 / 64
1067-24	24	290	307	8 / 64
1067-25	25	300	327	10 / 60
1067-26	26	320	423	10 / 40
1067-27	27	320	402	10 / 40
1067-28	28	330	494	10 / 40
1067-29	29	350	402	6 / 48
1067-30	30	350	522	6 / 48
1067-32	32	370	621	4 / 32



► MRN / SRN : Tetoron pouch bag



► MR / SR : Nylon pouch bag

KT NO.	PC.		Contents	Package	Kg	
1271MR	11	1067	6, 8, 9, 10, 11, 12, 13, 14, 17, 19, 22	Nylon	1.23	1 / 15
1271MRN	11			Tetoron		
1272MR	12		6, 7, 8, 9, 10, 11, 12, 13, 14, 17, 19, 22	Nylon	1.21	1 / 15
1272MR01	12		8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 19, 22	Nylon	1.47	1 / 9
1275MR	15		6, 7, 8, 10, 11, 12, 13, 14, 17, 19, 22, 24, 27, 30, 32	Nylon	3.3	1 / 8
1275MRN	15			Tetoron		
1266MR	26		6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32	Nylon	6.85	1 / 2

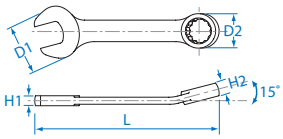
Stubby Combination Wrench & Set

KT No. & D1



10D0

- Short pattern design enables greater access in confined spaces
- Chrome vanadium alloy steel
- Chrome plated
- DIN 3113





KT NO.	Size mm	D1	D2	H1	H2	L mm	g	
10D0-08	8	18.1	13.8	4.6	6.0	85	20	20 / 360
10D0-09	9	19.3	14.5	4.8	6.4	90	25	20 / 360
10D0-10	10	20.5	15.1	4.8	6.4	95	27	20 / 360
10D0-11	11	22.7	16.7	5.9	7.9	100	45	20 / 360
10D0-12	12	24.7	18.0	6.2	8.3	105	49	20 / 360
10D0-13	13	27.2	19.1	6.5	8.7	110	59	20 / 360
10D0-14	14	28.8	21.4	7.0	9.2	115	65	15 / 270
10D0-15	15	31.0	22.4	7.4	9.7	120	73	15 / 270
10D0-16	16	33.0	23.8	7.8	10.3	125	85	15 / 270
10D0-17	17	35.0	26.2	8.1	10.7	130	116	15 / 180
10D0-18	18	37.0	27.3	8.6	11.3	135	123	15 / 180
10D0-19	19	39.0	28.6	9.0	11.8	140	135	12 / 144

1282MR

Contents	Kg	
10D0 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19	1.03	1 / 24



12 PC.

► Nylon pouch bag

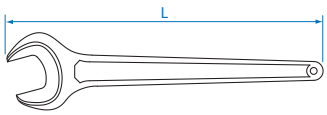
Single Open End Wrench

CAUTION

Please wear proper safety gear while working.

10F0

- Features : The open end is thicker for very high tightening torques. Examples : public work, rail worksite, naval construction, agriculture, oil platforms, metallic construction
- Hanging hole at end of handle: wrenches stored on panel or hung to avoid loss or fall
- Chrome vanadium alloy steel
- Finished with phosphate sunk
- DIN 894





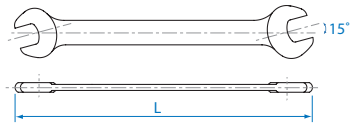
KT NO.	Size mm	L mm	g	
10F0-17P	17	178	107	10 / 120
10F0-19P	19	178	107	10 / 120
10F0-21P	21	203	161	10 / 100
10F0-22P	22	203	161	10 / 100
10F0-23P	23	220	203	8 / 80
10F0-24P	24	220	203	8 / 80
10F0-26P	26	240	290	6 / 60
10F0-27P	27	240	290	6 / 60
10F0-29P	29	267	341	6 / 48
10F0-30P	30	267	335	6 / 48
10F0-32P	32	285	410	5 / 30

KT NO.	Size mm	L mm	g	
10F0-36P	36	317	556	5 / 30
10F0-38P	38	320	740	5 / 30
10F0-41P	41	340	875	4 / 24
10F0-46P	46	395	1060	3 / 12
10F0-50P	50	425	1402	1 / 12
10F0-55P	55	425	1403	1 / 12
10F0-60P	60	470	2544	1 / 6
10F0-65P	65	470	2441	1 / 6
10F0-70P	70	500	3457	1 / 6
10F0-75P	75	500	3333	1 / 6

Open End Wrench & Set

1900

- European slimline type
- 15° open end angle
- Chrome vanadium alloy steel
- Chrome plated
- Metric - DIN 3110
- Inch - ANSI / ASME B107.6



5900



KT NO.	Size mm	L mm	g	
19005507	5.5 x 7	123	28	12 / 576
19000607	6 x 7	123	28	12 / 576
19000708	7 x 8	140	36	12 / 576
19000809	8 x 9	140	39	12 / 576
19000810	8 x 10	140	38	12 / 576
19000911	9 x 11	156	55	12 / 288
19001011	10 x 11	156	65	12 / 288
19001012	10 x 12	156	65	12 / 288
19001113	11 x 13	172	78	12 / 288
19001213	12 x 13	172	86	12 / 288
19001214	12 x 14	172	78	12 / 288
19001314	13 x 14	172	78	12 / 288
19001317	13 x 17	195	124	12 / 192
19001415	14 x 15	188.5	114	12 / 192
19001417	14 x 17	195	146	12 / 192
19001617	16 x 17	204	146	12 / 192
19001618	16 x 18	221	165	12 / 144
19001719	17 x 19	221	177	12 / 144
19001819	18 x 19	221	178	12 / 144
19001921	19 x 21	237	210	12 / 144
19001922	19 x 22	237	210	12 / 144
19002022	20 x 22	237	210	12 / 144
19002123	21 x 23	247	258	6 / 72
19002224	22 x 24	247	258	6 / 72
19002326	23 x 26	263	281	6 / 72
19002426	24 x 26	263	281	6 / 72
19002427	24 x 27	263	326	6 / 72

KT NO.	Size mm	L mm	g	
19002430	24 x 30	263	350	6 / 72
19002528	25 x 28	279	373	6 / 48
19002632	26 x 32	285	457	6 / 48
19002729	27 x 29	279	458	6 / 48
19002730	27 x 30	285	481	6 / 48
19002732	27 x 32	285	481	6 / 48
19003032	30 x 32	298	481	6 / 48
19003036	30 x 36	351	683	6 / 36
19003236	32 x 36	351	700	5 / 30
19003436	34 x 36	351	723	5 / 30
19003641	36 x 41	380	990	4 / 24
19004146	41 x 46	430	1395	4 / 16

KT NO.	Size inch	L mm	g	
59000810	1/4 x 5/16	123	28	12 / 576
59001012	5/16 x 3/8	140	39	12 / 576
59001214	3/8 x 7/16	156	65	12 / 288
59001416	7/16 x 1/2	172	78	12 / 288
59001618	1/2 x 9/16	172	78	12 / 288
59001820	9/16 x 5/8	188.5	114	12 / 192
59002022	5/8 x 11/16	204	146	12 / 192
59002224	11/16 x 3/4	221	177	12 / 144
59002628	13/16 x 7/8	237	210	12 / 144
59003032	15/16 x 1	247	258	6 / 72
59003034	15/16 x 1-1/16	263	281	6 / 72
59003236	1 x 1-1/8	279	373	6 / 48
59003640	1-1/8 x 1-1/4	298	481	6 / 48



► MRN / SRN : Tetoron pouch bag



► MR / SR : Nylon pouch bag

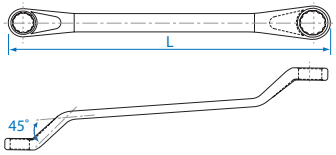
KT NO.	PC.		Contents	Package	Kg	
1106MR	6	1900	8 x 9, 10 x 12, 12 x 14, 14 x 17, 17 x 19, 21 x 23	Nylon	0.83	1 / 24
1108MR	8		6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22	Nylon	0.91	1 / 24
1110MR	10		6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 24 x 27, 25 x 28	Nylon	1.67	1 / 16
1112MR	12		6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 27, 25 x 28, 30 x 32	Nylon	2.35	1 / 10
1112MRN	12			Tetoron		
1108SR	8	5900	1/4 x 5/16, 5/16 x 3/8, 3/8 x 7/16, 7/16 x 1/2, 9/16 x 5/8, 5/8 x 11/16, 11/16 x 3/4, 13/16 x 7/8	Nylon	0.91	1 / 24
1110SR	10		1/4 x 5/16, 5/16 x 3/8, 3/8 x 7/16, 7/16 x 1/2, 9/16 x 5/8, 5/8 x 11/16, 11/16 x 3/4, 13/16 x 7/8, 15/16 x 1-1/16, 1 x 1-1/8	Nylon	1.67	1 / 16
1112SR	12		1/4 x 5/16, 5/16 x 3/8, 3/8 x 7/16, 7/16 x 1/2, 9/16 x 5/8, 5/8 x 11/16, 11/16 x 3/4, 13/16 x 7/8, 15/16 x 1, 15/16 x 1-1/16, 1 x 1-1/8, 1-1/8 x 1-1/4	Nylon	2.5	1 / 10

45° Offset Ring Wrench & Set



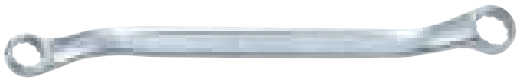
1960

- 45° offset ring
- Thin wall rings
- Chrome vanadium alloy steel
- Chrome plated
- Metric - DIN 838
- Inch - ANSI / ASME B107.6



KT NO.	Size mm	L mm	g	
19600607	6 x 7	165	45	12 / 360
19600809	8 x 9	175	53	12 / 360
19600810	8 x 10	185	53	12 / 360
19601011	10 x 11	195	60	12 / 360
19601012	10 x 12	185	60	12 / 360
19601113	11 x 13	205	62	12 / 240
19601213	12 x 13	205	62	12 / 240
19601214	12 x 14	220	100	12 / 240
19601415	14 x 15	235	151	12 / 144
19601417	14 x 17	235	151	12 / 144
19601617	16 x 17	240	151	12 / 144
19601719	17 x 19	250	221	6 / 72
19601819	18 x 19	250	222	6 / 72

5960



KT NO.	Size mm / inch	L mm	g	
19601921	19 x 21	270	340	6 / 72
19602022	20 x 22	270	340	6 / 72
19602123	21 x 23	320	460	6 / 48
19602224	22 x 24	320	479	6 / 48
19602326	23 x 26	360	465	6 / 48
19602426	24 x 26	360	460	6 / 48
19602427	24 x 27	360	479	6 / 48
19602732	27 x 32	385	580	6 / 36
19603032	30 x 32	392	650	6 / 36
59601214	3/8 x 7/16	185	53	12 / 360
59601618	1/2 x 9/16	220	100	12 / 240
59602022	5/8 x 11/16	240	151	12 / 144
59602428	3/4 x 7/8	270	340	6 / 72
59603032	15/16 x 1	360	465	6 / 48

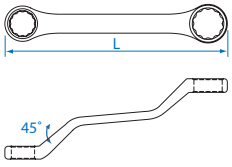


► Nylon pouch bag

KT NO.	PC.		Contents	Kg	
1606MR	6	1960	10 x 12, 12 x 14, 14 x 17, 17 x 19, 19 x 21, 23 x 26	1.6	1 / 16
1609MR	9		8 x 9, 10 x 12, 11 x 13, 12 x 14, 14 x 17, 17 x 19, 19 x 21, 22 x 24, 23 x 26	1.93	1 / 8
1611MR	11		6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 26, 30 x 32	3.0	1 / 16

1961

- Mini type
- 45° offset ring
- Thin wall rings
- Chrome vanadium steel
- Chrome plated
- Metric - DIN 838



KT NO.	Size mm	L mm	g	
19610809	8 x 9	112	27.6	12 / 336
19611011	10 x 11	115	42.2	12 / 336
19611213	12 x 13	130	57.6	12 / 240



KT NO.	Size mm	L mm	g	
19611415	14 x 15	140	84.0	12 / 240
19611617	16 x 17	150	96.8	10 / 200
19611819	18 x 19	157	113.6	6 / 120



KT NO.	PC.		Contents	Kg	
1626MR	6	1961	18 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19	0.53	1 / 24

75° Offset Ring Wrench & Set

KT No. & D1

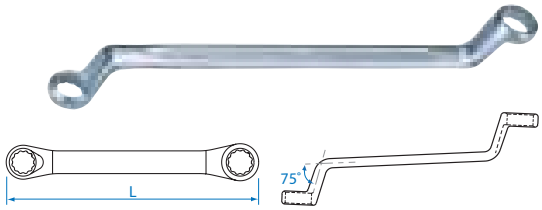


1970

- European slimline type
- 75° deep ring offset
- Thin wall rings
- Chrome vanadium alloy steel
- Chrome plated
- Metric - DIN 838
- Inch - ANSI / ASME B107.6

KT NO.	Size mm	L mm	g	
19700607	6 x 7	168	43	12 / 360
19700809	8 x 9	183	62	12 / 360
19700810	8 x 10	183	62	12 / 360
19701011	10 x 11	198	88	12 / 240
19701012	10 x 12	198	88	12 / 240
19701113	11 x 13	217	131	12 / 144
19701213	12 x 13	217	131	12 / 144
19701214	12 x 14	217	131	12 / 144
19701314	13 x 14	217	131	12 / 144
19701415	14 x 15	239	152	12 / 144
19701417	14 x 17	260	186	6 / 96
19701617	16 x 17	260	189	6 / 96
19701719	17 x 19	292	240	6 / 72
19701819	18 x 19	292	240	6 / 72
19701921	19 x 21	318	330	6 / 60
19701922	19 x 22	318	330	6 / 60
19702022	20 x 22	318	330	6 / 60
19702123	21 x 23	326.5	362	6 / 60
19702224	22 x 24	326	362	6 / 60
19702326	23 x 26	344	436	6 / 48
19702426	24 x 26	329	436	6 / 48
19702427	24 x 27	329	436	6 / 48
19702528	25 x 28	347	488	6 / 48
19703032	30 x 32	362	600	6 / 36

5970



KT NO.	Size inch	L mm	g	
59700810	1/4 x 5/16	168	43	12 / 360
59701012	5/16 x 3/8	183	62	12 / 360
59701214	3/8 x 7/16	198	88	12 / 240
59701416	7/16 x 1/2	217	131	12 / 144
59701618	1/2 x 9/16	217	134	12 / 144
59701820	9/16 x 5/8	260	152	12 / 96
59702022	5/8 x 11/16	260	189	6 / 96
59702224	11/16 x 3/4	292	240	6 / 96
59702428	3/4 x 7/8	318	330	6 / 60
59702628	13/16 x 7/8	326.5	330	6 / 60
59703032	15/16 x 1	329	436	6 / 48
59703436	1-1/16 x 1-1/8	347	488	6 / 48
59703640	1-1/8 x 1-1/4	365	679	6 / 48
59703842	1-3/16 x 1-5/16	375	636	5 / 30



► MRN / SRN : Tetoron pouch bag



► MR / SR : Nylon pouch bag

KT NO.	PC.		Contents	Package	Kg	
1706MR	6	1970	6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17	Nylon	0.88	1 / 24
1708MR	8		6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 21 x 23	Nylon	1.64	1 / 12
1708MR01	8		6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22	Nylon	1.52	1 / 12
1710MR	10		6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 21 x 23, 24 x 27, 30 x 32	Nylon	2.83	1 / 8
1712MR	12		6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 26, 25 x 28, 30 x 32	Nylon	3.78	1 / 6
1712MRN	12			Tetoron	3.78	1 / 6
1707SR	7	5970	1/4 x 5/16, 3/8 x 7/16, 1/2 x 9/16, 5/8 x 11/16, 3/4 x 7/8, 15/16 x 1, 1-1/16 x 1-1/8	Nylon	2.0	1 / 12

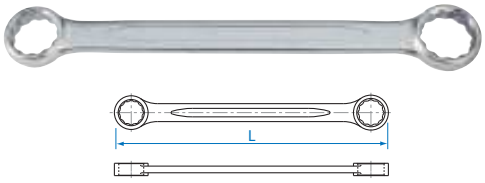
Straight Ring Wrench & Set

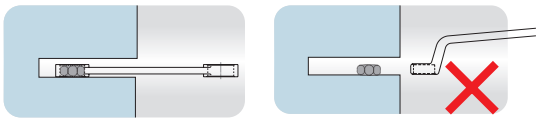
KT No. & D1



19C0

- Thin wall rings
- Chrome vanadium alloy steel
- Chrome plated
- DIN 837





KT NO.	Size mm	L mm	g	
19C00607	6 x 7	121	17	20 / 480
19C00809	8 x 9	137	27	20 / 480
19C01011	10 x 11	154	51	20 / 320
19C01213	12 x 13	164	70	20 / 240
19C01415	14 x 15	182	92	20 / 240
19C01617	16 x 17	211	118	12 / 144
19C01819	18 x 19	226	151	12 / 144
19C02022	20 x 22	240	187	10 / 120
19C02123	21 x 23	255	242	10 / 120
19C02426	24 x 26	270	290	6 / 72
19C02528	25 x 28	285	339	6 / 72
19C03032	30 x 32	335	520	5 / 40



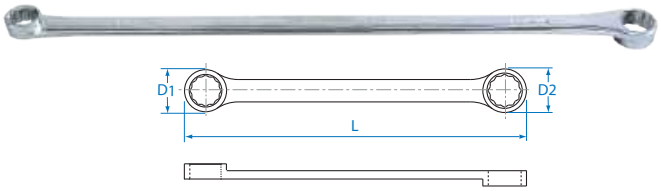
► Nylon pouch bag

KT NO.	PC.		Contents	Kg	
1C08MR	6	19C0	6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22	0.79	1 / 24
1C12MR	8		6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 26, 25 x 28, 30 x 32	2.23	1 / 12

0° Offset Ring Wrench

19B0

- Ideal for crowded or confined spaces
- Ultra-compact ring head
- Chrome molybdenum alloy steel
- Chrome plated
- DIN 3113





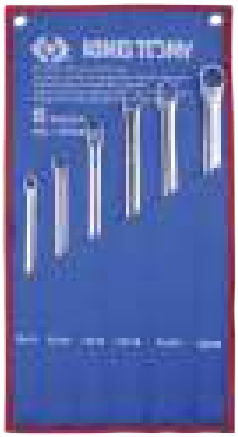


KT NO.	Size mm	D1 mm	D2 mm	L mm	g	
19B00810	8 x 10	12.5	15	235	72	12 / 240
19B01011	10 x 11	14.3	17	291	95	12 / 192
19B01012	10 x 12	14.3	17	291	95	12 / 192
19B01113	11 x 13	17.8	20.3	328	157	12 / 120
19B01214	12 x 14	17.8	20.3	328	157	12 / 120
19B01315	13 x 15	20.2	23.3	368	217	12 / 96
19B01417	14 x 17	20.2	23.3	368	217	12 / 96
19B01618	16 x 18	23.7	26.6	407	284	12 / 72
19B01719	17 x 19	23.7	26.6	407	284	12 / 72
19B01921	19 x 21	27.5	29.7	415	376	8 / 64
19B02224	22 x 24	31.3	34.0	430	482	6 / 48

0° Offset Ring Wrench Set

1F06MRN

	Contents	Kg	
19B0	10 x 11, 12 x 14, 13 x 15, 16 x 18, 17 x 19, 22 x 24	1.81	1 / 8



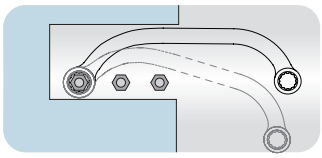
► Tetoron pouch bag

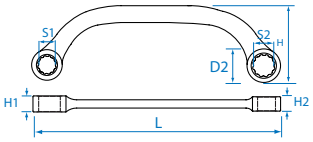
6 PC.

Half Moon Ring Wrench & Set

1950

- Short pattern design enables greater access in confined spaces
- Chrome vanadium alloy steel
- Chrome plated
- DIN 3113







KT NO.	Size mm	D1 mm	D2 mm	L mm	H1 mm	H2 mm	H mm	g	
19500810	8 x 10	15.6	14.3	137	6.5	6.2	42	40	12 / 288
19501012	10 x 12	15.6	18.2	141	6.6	6.5	50	55	12 / 288
19501113	11 x 13	18.2	21.0	166	8.2	8.0	63	93	8 / 128
19501214	12 x 14	18.2	21.0	166	8.2	8.0	63	94	8 / 128
19501315	13 x 15	22.0	25.0	190	9.2	8.2	75	126	6 / 72
19501417	14 x 17	22.0	25.0	190	9.2	8.2	75	126	6 / 72
19501618	16 x 18	25.5	28.0	220	9.6	8.8	79	156	6 / 72
19501719	17 x 19	25.5	28.0	220	9.6	8.8	79	174	6 / 72
19501922	19 x 22	28.6	32.5	256	11.1	10.1	91	255	6 / 48

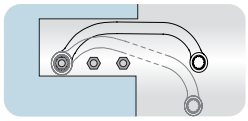


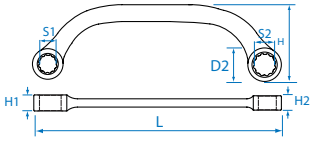
KT NO.	PC.		Contents	Kg	
9-1905MR	5	1950	10 x 12, 11 x 13, 14 x 17, 16 x 18, 19 x 22	0.82	1 / 10

Half Moon Ring Wrench

1951

- **American type**
- Specially designed for starter bolts
- Used mainly in automotive applications for starter motors, inlet and exhaust manifolds
- Chrome vanadium alloy steel
- Chrome plated





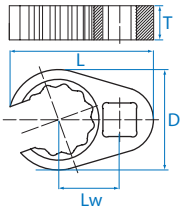


KT NO.	Size mm	D1 mm	D2 mm	L mm	H1 mm	H2 mm	H mm	g	
19510810	8 x 10	12.5	16.5	125	7.0	7.4	36	48.0	12 / 240
19511011	10 x 11	17.5	19	149	8.0	8.5	46	71.4	12 / 240
19511012	10 x 12	17.5	19.0	149	8.0	8.5	46	67.8	12 / 240
19511113	11 x 13	17.5	19.0	149	8.0	8.5	46	76.0	12 / 240
19511214	12 x 14	21.4	23.4	169	8.2	8.4	50	95.4	10 / 120
19511416	14 x 16	21.4	23.4	169	8.2	8.4	50	99.1	10 / 120
19511517	15 x 17	23.5	27.0	194	9.5	10.0	56	151.2	8 / 96
19511719	17 x 19	26.5	27.7	194	9.2	9.6	56	141.4	8 / 96
19511922	19 x 22	29.0	32.3	225	11.0	12.0	66	235.0	5 / 60

Crowfoot Wrench & Set

1031

- 12 points
- Chrome vanadium alloy steel
- Chrome plated







- Use to reach limit place with extension bar
- Use with torque wrench and 90° extension bar, will not effectively change the torque value

KT NO.	Size mm	Drive square	D mm	T mm	L mm	Lw mm	g	
1031-10R	10	3/8"	27.0	9.2	36.5	17.1	40	12 / 192
1031-11R	11	3/8"	27.0	9.2	36.5	17.0	40	12 / 192
1031-12R	12	3/8"	27.5	9.2	36.5	16.8	40	12 / 192
1031-13R	13	3/8"	27.2	9.3	36.5	16.7	40	12 / 192
1031-14R	14	3/8"	29.8	9.6	42.0	20.0	42	12 / 192
1031-15R	15	3/8"	31.4	9.2	42.0	19.2	44	12 / 192
1031-16R	16	3/8"	30.2	10.1	42.0	19.5	48	12 / 192
1031-17R	17	3/8"	34.0	11.4	45.6	23.5	68	12 / 192
1031-18R	18	3/8"	33.6	10.0	45.6	22.5	63	12 / 192
1031-19R	19	3/8"	33.7	10.8	45.8	23.0	63	12 / 192
1031-22R	22	1/2"	38.5	13.0	55.0	23.0	82	15 / 180
1031-24R	24	1/2"	38.5	12.5	55.0	24.5	74	15 / 180
1031-26R	26	1/2"	42.5	13.5	60.0	24.0	105	15 / 180
1031-27R	27	1/2"	42.5	13.5	61.0	25.0	98	15 / 180
1031-30R	30	1/2"	49.0	14.0	68.5	30.0	136	12 / 144
1031-32R	32	1/2"	50.0	14.0	70.0	30.0	136	12 / 144

KT NO.	Size mm	Drive square	D mm	T mm	L mm	Lw mm	g	
new 1031-33R	33	3/4"	55.6	22.5	84.5	38.0	355	12 / 60
new 1031-34R	34	3/4"	55.6	22.5	84.5	38.0	345	12 / 60
new 1031-35R	35	3/4"	55.6	22.5	84.5	39.0	334	12 / 60
new 1031-36R	36	3/4"	55.6	22.5	84.5	39.0	315	12 / 60
new 1031-38R	38	3/4"	61.7	23.0	90.5	43.0	346	12 / 60
new 1031-41R	41	3/4"	61.7	23.0	90.5	43.0	357	12 / 60
new 1031-46R	46	3/4"	70.0	25.0	101	47.0	517	12 / 24
new 1031-48R	48	3/4"	75.5	28.5	104	47.0	482	12 / 24
new 1031-50R	50	3/4"	75.5	28.5	104	48.0	587	12 / 24

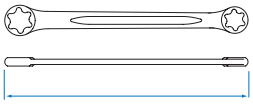


KT NO.	PC.		Contents	Kg	
1E10MR	10	1031	10, 11, 12, 13, 14, 15, 16, 17, 18, 19	0.59	1 / 30
1E11MR	11		10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 22	0.68	1 / 30

Star Box End Wrench & Set

1920

- Chrome vanadium alloy steel
- Chrome plated
- ANSI / ASME B107.6





KT NO.	Size	L mm	g	
19200608	E6 x E8	114.0	18.8	12 / 504
19200711	E7 x E11	126.5	27.4	12 / 504
19201012	E10 x E12	142.5	32.6	12 / 384
19201418	E14 x E18	183.0	86.2	12 / 240
19201622	E16 x E22	205.0	119.0	12 / 192
19202024	E20 x E24	225.0	172.2	12 / 144

1406PR

Metal case size (mm):
280 x 130 x 41 (0.053 cuft)



6 PC.

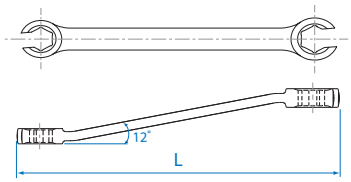
Contents — 0.46 kg — 1 / 15

1920	E6 x E8, E7 x E11, E10 x E12, E14 x E18, E16 x E22, E20 x E24

Flare Nut Wrench

1930

- 6 points
- 12° ring offset
- Chrome vanadium alloy steel
- Chrome plated
- Metric - DIN 3118
- Inch - ANSI / ASME B107.6



KT NO.	Size mm	L mm	g	
19300810	8 x 10	130	53	12 / 216
19300911	9 x 11	150	55	12 / 216
19301011	10 x 11	150	78	12 / 192
19301012	10 x 12	150	74	12 / 192
19301113	11 x 13	170	106	12 / 144
19301213	12 x 13	170	104	12 / 144
19301214	12 x 14	170	102	12 / 144
19301315	13 x 15	178	125	12 / 144
19301417	14 x 17	190	132	12 / 144
19301719	17 x 19	210	170	8 / 128
19301922	19 x 22	230	218	9 / 108

5930



KT NO.	Size inch	L mm	g	
59301012	5/16 x 3/8	130	53	12 / 216
59301214	3/8 x 7/16	150	78	12 / 192
59301618	1/2 x 9/16	180	102	12 / 144
59301820	9/16 x 5/8	190	132	12 / 144
59302224	11/16 x 3/4	210	170	6 / 96
59302428	3/4 x 7/8	230	218	6 / 72



► MRN / SRN : Tetoron pouch bag



► MR / SR : Nylon pouch bag

KT NO.	PC.		Contents	Package	kg	
1306MR	6	1930	8 x 10, 10 x 12, 11 x 13, 12 x 14, 17 x 19, 19 x 22	Nylon	0.90	1 / 30
1306MRN	6			Tetoron	0.90	1 / 30
1306SR	6	5930	5/16 x 3/8, 3/8 x 7/16, 1/2 x 9/16, 9/16 x 5/8, 11/16 x 3/4, 3/4 x 7/8	Nylon	0.86	1 / 30
1306CR	6	1930	8 x 10, 11 x 13, 12 x 14, 17 x 19	Nylon	0.74	1 / 12
		5930	3/8 x 7/16, 1/2 x 9/16			

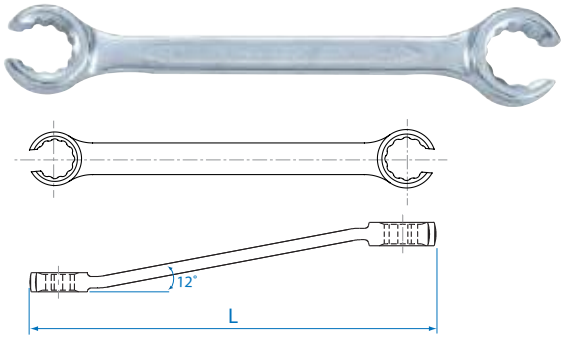
Flare Nut Wrench & Set

KT No. & D1



1931

- 12 points
- 12° ring offset
- Chrome vanadium alloy steel
- Chrome plated
- DIN 3118



KT NO.	Size mm	L mm	g	
19312224	22 x 24	250	310	6 / 72
19312427	24 x 27	270	359	6 / 48
19313032	30 x 32	290	471	5 / 40

Flexible Head Wrench & Set

1020

- Combination flexible head wrench with 12 points thin wall socket
- 180° swivel head for better accessibility
- Chrome vanadium alloy steel
- Chrome plated



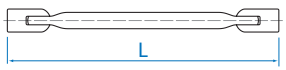


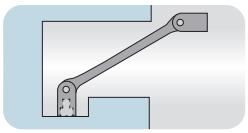
KT NO.	Size mm	L mm	g	
1020-08	8	170	65	10 / 180
1020-09	9	170	65	10 / 180
1020-10	10	180	75	10 / 160
1020-11	11	188	105	10 / 160
1020-12	12	190	114	10 / 120
1020-13	13	206	140	10 / 120

KT NO.	Size mm	L mm	g	
1020-14	14	225	186	10 / 120
1020-15	15	225	195	6 / 72
1020-16	16	234	234	6 / 72
1020-17	17	234	234	4 / 48
1020-18	18	252	307	4 / 48
1020-19	19	250	307	4 / 48

1910

- Double end flexible head wrench with 12 points thin wall socket
- 180° swivel head for better accessibility
- Chrome vanadium alloy steel
- Chrome plated







KT NO.	Size mm	L mm	g	
19100607	6 x 7	182	72	12 / 216
19100809	8 x 9	182	78	12 / 216
19100810	8 x 10	185	85	10 / 160
19101011	10 x 11	200	115	10 / 160
19101012	10 x 12	205	119	10 / 120
19101213	12 x 13	220	155	10 / 120
19101214	12 x 14	225	175	10 / 80
19101415	14 x 15	240	235	10 / 120
19101417	14 x 17	244	245	10 / 120
19101617	16 x 17	259	330	10 / 80

KT NO.	Size mm	L mm	g	
19101719	17 x 19	260	330	10 / 80
19101819	18 x 19	275	410	6 / 54
19101921	19 x 21	300	535	6 / 36
19102022	20 x 22	305	595	6 / 36
19102123	21 x 23	305	640	6 / 36
19102427	24 x 27	335	775	6 / 24

KT NO.	PC.		Contents	Kg	
1B06MR	6	1020	10, 12, 13, 14, 17, 19	1.06	1 / 24
1A06MR	6	1910	8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19	1.49	1 / 16



► Nylon pouch bag

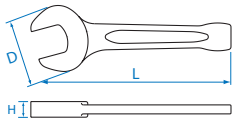
Slogging Wrench

CAUTION

Please wear proper safety gear while working.

10A0

- Open end slogging
- Finished with phosphate sunk
- DIN 133

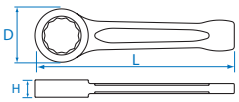




KT NO.	Size mm	L mm	D mm	H mm	g	
10A0-24	24	178	52	15	302	6 / 72
10A0-27	27	180	55	16	320	6 / 72
10A0-30	30	190	60	16	400	6 / 60
10A0-32	32	190	61	17	418	6 / 60
10A0-36	36	215	72	17	600	6 / 24
10A0-41	41	233	83	19	902	5 / 20
10A0-46	46	255	94	20	1122	4 / 16
10A0-50	50	275	105	22	1555	2 / 16
10A0-55	55	298	115	24	2015	2 / 12
10A0-60	60	320	127	24	2515	1 / 10
10A0-65	65	340	138	27	3260	1 / 8
10A0-70	70	370	156	32	4390	1 / 5
10A0-75	75	372	153	31	4140	1 / 5
10A0-80	80	395	175	33	6820	1 / 4
10A0-85	85	395	175	33	6300	1 / 4
10A0-90	90	440	197	38	9270	1 / 2
10A0-95	95	440	197	38	8700	1 / 2
10A0-A0	100	480	230	45	10500	1 / 2
10A0-A5	105	480	230	45	10300	1 / 2
10A0-B0	110	505	238	47	14420	1 / 1
10A0-B5	115	505	250	53	14420	1 / 1
10A0-C0	120	530	258	53	15450	1 / 1
10A0-C5	125	530	258	56	15015	1 / 1

10B0

- Ring slogging
- Finished with phosphate sunk
- DIN 7444





KT NO.	Size mm	L mm	D mm	H mm	g	
10B0-24	24	162	42	16	239	6 / 72
10B0-26	26	180	46	17	247	6 / 72
10B0-27	27	180	46	17	247	6 / 72
10B0-30	30	190	52	18	354	6 / 72
10B0-32	32	190	52	18	404	6 / 60
10B0-36	36	205	58	19	499	6 / 36
10B0-41	41	230	66	21	658	6 / 24
10B0-46	46	240	74	23	886	4 / 16
10B0-50	50	250	82	23	1125	4 / 16
10B0-55	55	265	88	24	1330	2 / 16
10B0-60	60	275	95	26	1245	2 / 12
10B0-65	65	295	104	28	1875	2 / 12
10B0-70	70	325	112	33	2965	1 / 8
10B0-75	75	325	115	33	2735	1 / 8
10B0-80	80	345	128	36	3675	1 / 6
10B0-85	85	345	130	36	3710	1 / 6
10B0-90	90	380	152	40	5850	1 / 4
10B0-95	95	380	152	40	5350	1 / 4
10B0-A0	100	410	161	43	6445	1 / 4
10B0-A5	105	415	172	45	6500	1 / 3
10B0-B0	110	440	172	47	8000	1 / 3
10B0-B5	115	440	172	47	7500	1 / 3
10B0-C0	120	480	194	53	9000	1 / 2

Heavy Duty Offset Ring Wrench

10C0

- To be used with extension tubes item "11"
- Chrome vanadium alloy steel
- Chrome plated



KT NO.	Size mm	L mm	Applied tube	g	
10C0-24	24	178	111946	450	6 / 48
10C0-27	27	188	111946	500	6 / 48
10C0-30	30	198	111946	580	4 / 36
10C0-32	32	233	112261	810	4 / 24
10C0-36	36	241	112261	870	4 / 24
10C0-41	41	260	112261	1100	2 / 16
10C0-46	46	277	112576	1400	2 / 16
10C0-50	50	287	112576	1600	2 / 16
10C0-55	55	298	112576	1800	1 / 12
10C0-60	60	345	113086	2800	1 / 9
10C0-65	65	356	113086	3200	1 / 4

11

- Tube for item 10C0
- Chrome plated



KT NO.	⌀ mm	L mm	Applied wrench size	g	
111946	19	460	24mm, 27mm, 30mm	1050	20
112261	22	610	32mm, 36mm, 41mm	1450	16
112576	24	760	46mm, 50mm, 55mm	2400	6
113086	30	860	60mm, 65mm	2610	4

End Tubular Wrench

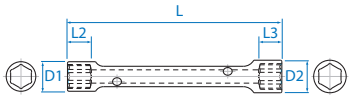
19A0

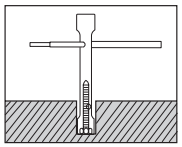
- Chrome vanadium alloy steel
- Chrome plated

KT NO.	mm	D1 mm	D2 mm	L2 mm	L3 mm	L mm	g	
19A00607	6 x 7	10	11	5	6	105	44	30 / 180
19A00809	8 x 9	13	14	6	7	110	60	30 / 180
19A01011	10 x 11	15	16	7.5	8	120	79	24 / 144
19A01213	12 x 13	18	19	9	9.5	140	142	18 / 144
19A01415	14 x 15	20	22	10	11	145	138	12 / 96
19A01617	16 x 17	23	24	11	12	155	190	10 / 90
19A01819	18 x 19	25	26	13	15	165	243	8 / 72
19A02022	20 x 22	28	30	15	16	170	288	8 / 72
19A02123	21 x 23	29	31	15	17	185	318	6 / 54
19A02426	24 x 26	33	35	19	21	190	396	4 / 36
19A02528	25 x 28	34	37	19	21	205	511	4 / 24
19A02729	27 x 29	37	39	21	22	210	595	2 / 12
19A03032	30 x 32	40	42	22	26	210	671	2 / 12









- Double end socket wrench for the hollow tube design, a long-type screw may be used.

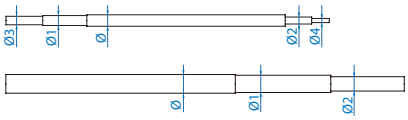
19A0-09

19A0-15



KT NO.	L mm	Ø mm	Ø1 mm	Ø2 mm	Ø3 mm	Ø4 mm	Applied to socket wrench sizes
19A0-09	220	7.8	6.75	4.75	5.75	2.8	19A00607~19A02022
19A0-15	300	12.7	11.75	9.75	-	-	19A02123~19A03032





Flexible Speed Wrench & Set

KT No. & D1

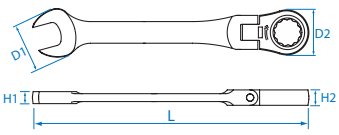


3730M

- Flexible head, open end and ratchet ring - wrench
- 5° gear action (72 teeth)
- Chrome vanadium alloy steel
- Chrome plated

KT NO.	Size mm	D1 mm	D2 mm	H1 mm	H2 mm	L mm	g	
373008M	8	16.2	16.7	4.3	6.5	127.0	40	12 / 432
373009M	9	18.2	18.6	4.6	6.9	131.5	40	12 / 384
373010M	10	20.3	20.0	5.0	7.3	136.0	60	12 / 384
373011M	11	22.5	21.8	5.4	7.7	141.0	60	10 / 320
373012M	12	24.3	23.0	5.8	8.2	147.5	80	10 / 240
373013M	13	26.8	25.2	6.1	8.6	154.0	100	10 / 240
373014M	14	28.7	26.8	6.4	9.0	160.0	100	10 / 200
373015M	15	30.5	28.3	6.9	9.4	169.0	120	10 / 160
373016M	16	32.9	29.8	7.2	9.9	179.0	160	10 / 160
373017M	17	34.5	31.8	7.6	10.3	190.0	180	10 / 160
373018M	18	37.0	32.8	8.0	10.7	203.0	200	10 / 160
373019M	19	39.2	33.9	8.6	11.2	215.0	220	10 / 80
new 373021M	21	46.0	40.0	9.0	13.0	274.0	392	6 / 54
new 373022M	22	46.0	40.0	9.0	13.0	274.0	392	6 / 54
new 373024M	24	52.2	46.0	10.0	14.5	296.0	547	6 / 54







KT NO.	PC.		Contents	Kg	
12007MR	7	3730M	8, 10, 12, 13, 14, 17, 19	0.93	1 / 10



► Tetoron pouch bag

Flexible Speed Wrench & Set

13012MR

Blow case size (mm) :
275 x 310 x 65 (1.68 Cuft)



12 PC.

Contents — 2.17 kg — 1 / 6

3730M	8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19

13013MR

Blow case size (mm) :
303 x 228 x 50 (1.35 Cuft)



13 PC.

Contents — 1.66 kg — 1 / 8

3730M	8, 10, 12, 13, 14, 16, 17, 18, 19

373202H 373202R 373203R 373204R

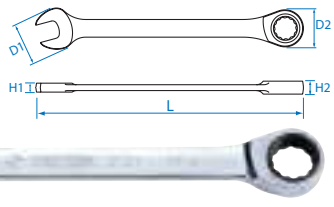
Speed Wrench

KT No. & D1



3731M

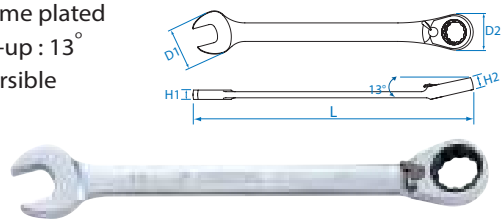
- Open end and ratchet ring - wrench
- 5° gear action (72 teeth)
- Chrome vanadium alloy steel
- Chrome plated



KT NO.	Size mm	D1 mm	D2 mm	H1 mm	H2 mm	L mm	g	
373108M	8	16.7	17.0	4.0	6.5	140.0	25	12 / 384
373109M	9	18.7	18.6	4.4	6.9	149.0	35	12 / 384
373110M	10	20.8	20.2	4.8	7.3	158.0	40	12 / 240
373111M	11	23.0	22.0	5.2	7.7	165.0	60	12 / 240
373112M	12	24.6	23.4	5.5	8.2	171.0	75	12 / 240
373113M	13	26.8	25.5	5.8	8.6	178.0	80	10 / 160
373114M	14	29.0	26.9	6.2	9.0	190.0	100	10 / 160
373115M	15	31.0	28.3	6.5	9.4	199.0	115	10 / 160
373116M	16	33.0	29.8	6.8	9.9	208.0	135	10 / 160
373117M	17	35.5	31.8	7.2	10.3	225.0	165	6 / 60
373118M	18	37.5	32.7	7.7	10.7	236.0	195	6 / 60
373119M	19	39.4	34.0	8.2	11.2	247.0	225	6 / 60
373121M	21	45.8	40.1	9.0	13.0	287.8	320	6 / 54
373122M	22	45.8	40.1	9.0	13.0	287.8	340	6 / 54
373124M	24	51.8	46.5	10.0	14.5	321.0	475	6 / 54
373127M	27	56.4	52.4	10.5	15.5	356.6	580	6 / 36
373130M	30	62.7	58.1	11.4	17.0	400.7	860	4 / 24
373132M	32	66.4	61.9	12.5	17.5	423.5	1060	4 / 24

3732M

- Open end and ratchet ring - wrench
- 5° gear action (72 teeth)
- Chrome vanadium alloy steel
- Chrome plated
- Take-up : 13°
- Reversible



KT NO.	Size mm	D1 mm	D2 mm	H1 mm	H2 mm	L mm	g	
373207M	7	16.7	16.6	4.6	6.5	140	20	12 / 384
373208M	8	16.7	16.6	4.6	6.5	140	20	12 / 384
373209M	9	18.8	18.4	4.9	6.9	150	25	12 / 384
373210M	10	20.8	20.0	5.3	7.3	159	40	12 / 240
373211M	11	23.0	21.8	5.6	7.7	165	60	12 / 240
373212M	12	25.0	22.7	6.0	8.2	172	75	12 / 240
373213M	13	27.1	24.7	6.4	8.6	178	95	10 / 160
373214M	14	29.2	27.0	6.8	9.0	191	110	10 / 160
373215M	15	31.3	28.3	7.0	9.4	200	120	10 / 160
373216M	16	33.4	30.0	7.2	9.9	208	160	10 / 60
373217M	17	35.5	31.8	7.7	10.3	226	175	6 / 60
373218M	18	37.6	32.6	8.2	10.7	237	205	6 / 60
373219M	19	39.7	33.8	8.8	11.2	248	220	6 / 60
373221M	21	46.0	40.0	9.0	13.0	290	320	6 / 54
373222M	22	46.0	40.0	9.0	13.0	290	320	6 / 54
373224M	24	52.2	46.0	10.0	14.5	323	465	6 / 54

3732S

KT NO.	Size inch	D1 mm	D2 mm	H1 mm	H2 mm	L mm	g	
373210S	5/16	16.7	16.6	4.6	6.5	140	20	12 / 384
373212S	3/8	20.8	20.0	5.3	7.3	159	40	12 / 240
373214S	7/16	23.8	21.8	5.6	7.7	165	60	12 / 240
373216S	1/2	27.1	24.7	6.4	8.6	178	95	10 / 160
373218S	9/16	29.2	27.0	6.8	9.0	191	110	10 / 160
373220S	5/8	33.4	30.0	7.2	9.9	208	160	10 / 60
373222S	11/16	35.5	31.8	7.7	10.3	226	175	6 / 60
373224S	3/4	39.7	33.8	8.8	11.2	248	220	6 / 60
373228S	7/8	46.0	40.0	9.0	13.0	290	320	6 / 54
373230S	15/16	52.5	46.0	10.0	14.5	323	465	6 / 54

Speed Wrench Set



► Tetoron pouch bag

KT NO.	PC.		Contents	Kg	
12107MRN	7		10, 11, 12, 14, 15, 17, 19	0.91	1 / 24
12107MRN01	7	3731M	8, 10, 11, 12, 13, 17, 19	0.84	1 / 24
12114MRN	14		8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 22, 24	2.50	1 / 12
12112MRN	12		8, 9, 10, 11, 12, 13, 14, 15, 17, 19, 22, 24	1.95	1 / 8
12207MRN01	7		8, 10, 11, 12, 13, 17, 19	0.91	1 / 24
new 12207MRN02	7	3732M	8, 10, 12, 13, 14, 17, 19	0.97	1 / 16
12214MRN	14		8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 22, 24	2.50	1 / 12
12212MRN	12		8, 9, 10, 11, 12, 13, 14, 15, 17, 19, 22, 24	2.06	1 / 8
12207SRN	7	3732S	3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4	0.91	1 / 24

13113MR

Blow case size (mm) :
303 x 228 x 50 (1.35 Cuft)

13213MR

13 PC.



13113MR



13213MR

KT NO.	Contents		Kg 1.64	1 / 8
13113MR	3731M	8, 10, 12, 13, 14, 16, 17, 18, 19		
13213MR	3732M			



373202H



373202R



373203R



373204R

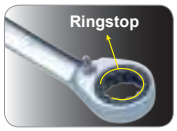
Ringstop Speed Wrench

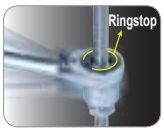


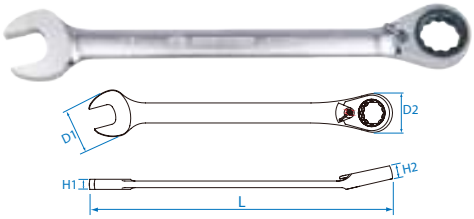
KT No. & D1

373AM

- Ringstop function
- Open end and ratchet ring - wrench
- 5° gear action (72 teeth)
- Reversible
- Take - up : 13°
- Chrome vanadium alloy steel
- Chrome plated





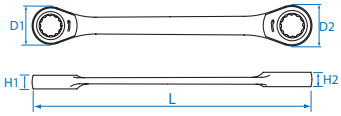


KT NO.	Size mm	D1 mm	D2 mm	H1 mm	H2 mm	L mm	g	
373A08M	8	16.7	16.6	4.6	6.5	140	20	12 / 384
373A10M	10	20.8	20.0	5.3	7.3	159	40	12 / 240
373A12M	12	25.0	22.7	6.0	8.2	172	75	12 / 240
373A13M	13	27.1	24.7	6.4	8.6	178	95	10 / 160
373A14M	14	29.2	27.0	6.8	9.0	191	110	10 / 160
373A17M	17	35.5	31.8	7.7	10.3	226	175	6 / 60
373A19M	19	39.7	33.8	8.8	11.2	248	220	6 / 60

Double End Speed Wrench

3736M

- 5° gear action (72 teeth)
- Chrome vanadium alloy steel
- Chrome plated



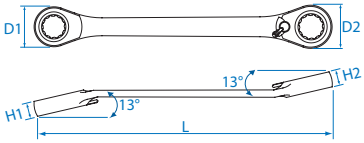


KT NO.	Size mm	D1 mm	D2 mm	H1 mm	H2 mm	L mm	g	
37360809M	8 x 9	16.8	20.2	6.5	6.9	128	45	10 / 320
37361011M	10 x 11	20.2	21.8	7.3	7.7	150	65	10 / 200
37361013M	10 x 13	20.2	24.8	7.3	8.6	150	70	10 / 200
37361213M	12 x 13	23.0	24.8	8.2	8.6	170	100	10 / 200
37361415M	14 x 15	26.5	29.5	9.0	9.4	190	120	10 / 160
37361618M	16 x 18	29.5	33.5	9.9	10.7	210	190	10 / 120
37361719M	17 x 19	31.5	33.5	10.3	11.2	230	210	10 / 120

Double End Speed Wrench & Set

3737M

- 5° gear action (72 teeth)
- Reversible
- Take-up :13°
- Chrome vanadium alloy steel
- Chrome plated





KT NO.	Size mm	D1 mm	D2 mm	H1 mm	H2 mm	L mm	g	
37370607M	6 x 7	14.2	17.2	6.3	6.5	115	36	10 / 320
37370809M	8 x 9	16.8	20.2	6.5	6.9	128	45	10 / 320
37371011M	10 x 11	20.2	21.8	7.3	7.7	150	61	10 / 200
37371213M	12 x 13	23.0	24.8	8.2	8.6	170	90	10 / 200
37371415M	14 x 15	26.5	29.5	9.0	9.4	190	130	10 / 160
37371618M	16 x 18	29.5	33.5	9.9	10.7	210	183	10 / 120
37371719M	17 x 19	31.5	33.5	10.3	11.2	230	209	10 / 120
37372123M	21 x 23	40.0	46.0	13	14.5	260	408	8 / 64
37372224M	22 x 24	40.0	46.0	13	14.5	260	397	8 / 64



► Color box



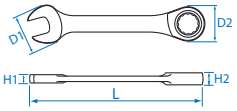
► Tetoron pouch bag

KT NO.	PC.		Contents	Package	Kg	
12706MR	6	3737M	8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 18, 17 x 19	Color box	0.72	1 / 16
12709MRN	9		6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 18, 17 x 19, 21 x 23, 22 x 24	Tetoron	1.50	1 / 16

Stubby Speed Wrench & Set

3738M

- Open-ended and ratchet ring-wrench
- 5° gear action (72 teeth)
- Chrome vanadium alloy steel
- Chrome plated





KT NO.	Size mm	D1 mm	D2 mm	H1 mm	H2 mm	L mm	g	
373810M	10	22.0	21.5	4.6	7.6	95	47	15 / 360
373811M	11	23.8	23.0	5.1	8.0	103	55	15 / 360
373812M	12	26.0	24.8	5.3	8.5	106	65	15 / 360
373813M	13	27.5	26.1	5.6	8.7	108	75	15 / 360
373814M	14	30.5	27.6	6.0	9.3	115	88	15 / 360

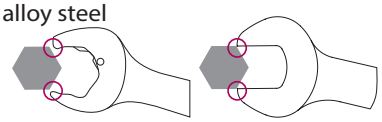
KT NO.	Size mm	D1 mm	D2 mm	H1 mm	H2 mm	L mm	g	
373815M	15	31.8	29.2	6.3	9.9	119	104	15 / 360
373816M	16	34.0	30.9	6.5	10.0	123	111	10 / 200
373817M	17	36.0	32.3	7.0	10.6	127	143	10 / 200
373819M	19	40.2	35.5	8.0	11.7	139	183	10 / 120

Open-side Speed Wrench & Set

KT No. & D1

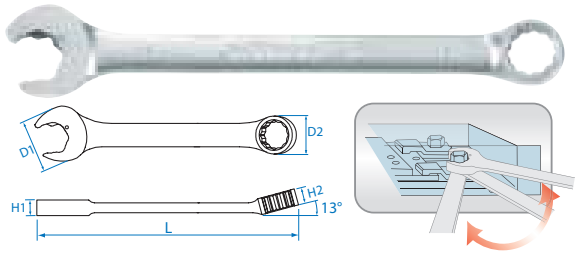
3721M

- Open-side speed wrench
- Torque rating exceeds ANSI specifications by 30% plus
- The special ratcheting open end design will not slip off the screw when torque is applied
- Chrome vanadium alloy steel
- Chrome plated



KT NO.	Size mm	D1 mm	D2 mm	H1 mm	H2 mm	L mm	g	
372108M	8	17.8	13.3	5.0	6.0	136	38	12 / 384
372110M	10	22.2	16.6	6.0	7.2	161	60	12 / 288
372111M	11	25.4	17.5	6.6	7.4	168	68	12 / 288
372112M	12	26.3	19.2	7.5	7.9	174	83	12 / 288
372113M	13	28.2	20.3	7.9	8.6	180	100	10 / 240
372114M	14	31.5	21.3	8.5	9.2	193	123	10 / 120
372115M	15	32.8	23.6	8.5	9.7	200	143	10 / 120
372116M	16	34.9	23.6	9.0	10.8	207	171	10 / 120
372117M	17	37.4	28.1	9.5	10.9	227	191	10 / 100
372118M	18	39.0	28.0	9.8	11.2	239	220	10 / 100
372119M	19	41.2	29.3	9.8	12.2	250	250	6 / 60

3721S



KT NO.	Size inch	D1 mm	D2 mm	H1 mm	H2 mm	L mm	g	
372110S	5/16	17.8	13.3	5.0	6.0	136	38	12 / 384
372112S	3/8	22.2	16.6	6.0	7.2	161	59	12 / 288
372114S	7/16	25.4	17.5	6.6	7.4	168	68	12 / 288
372116S	1/2	28.2	20.3	7.9	8.6	180	97	10 / 240
372118S	9/16	31.5	21.3	8.5	9.2	193	120	10 / 120
372120S	5/8	34.9	25.6	9.0	10.8	207	163	10 / 120
372122S	11/16	37.4	28.1	9.5	10.9	227	184	10 / 100
372124S	3/4	41.2	29.3	9.8	12.2	250	246	6 / 60

KT NO.	PC.		Contents	Kg	
14111MRN	11	3721M	8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19	1.59	1 / 12
14108SRN	8	3721S	5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4	1.11	1 / 16



► Tetoron pouch bag

Speed Wrench Adaptor

3732H / 3732R

KT NO.	Apply to speed wrench	Function
373202H	10 mm	1/4" Bit
373202R	10 mm	1/4" drive
373203R	13 mm	3/8" drive
373225H	13 mm	5/16" Bit
373204R	19 mm	1/2" drive

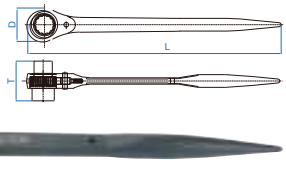




Podger Ratchet Wrench

1500

- Double sizes ratchet head
- Reversible switch for tightening and loosening the screw
- Taper end bar
- For scaffolding construction work
- 32 teeth

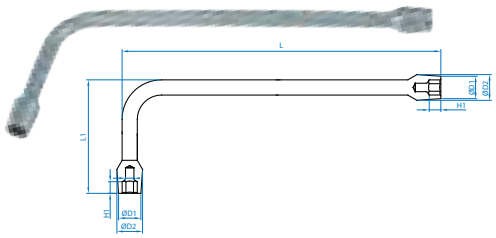


KT NO.	mm	T mm	D mm	L mm	g	
15001012P	10 x 12	38	31	241	209.4	2 / 120
15001113P	11 x 13	38	31	241	209.4	2 / 120
15001214P	12 x 14	38	31	241	220	2 / 120
15001317P	13 x 17	45	34	280	280	2 / 90
15001415P	14 x 15	45	34	280	280	2 / 90
15001417P	14 x 17	45	34	280	280	2 / 90
15001719P	17 x 19	50	42	320	506	2 / 40
15001721P	17 x 21	50	42	320	506	2 / 40
15001921P	19 x 21	50	42	320	506	2 / 40
15001922P	19 x 22	50	42	320	506	2 / 40
15001924P	19 x 24	56	51.5	365	820	2 / 24
15002123P	21 x 23	56	51.5	365	820	2 / 24
15002224P	22 x 24	56	51.5	365	830	2 / 24
15002326P	23 x 26	56	51.5	365	830	2 / 24
15002427P	24 x 27	56	51.5	365	830	2 / 24
15002430P	24 x 30	63	61.5	402	1150	2 / 16
15002632P	26 x32	63	61.5	402	1150	2 / 16
15002730P	27 x 30	63	61.5	402	1150	2 / 16
15002732P	27 x 32	63	61.5	402	1150	2 / 16
15003032P	30 x 32	63	61.5	402	1150	2 / 16
15003236P	32 x 36	67	67	450	1525	2 / 8
15003638P	36 x 38	67	67	450	1525	2 / 8
15003641P	36 x 41	67	67	450	1525	2 / 8
15003841P	38 x 41	67	67	450	1470	2 / 8

Angled Socket Wrench & Set

1084 | 5084

- Conic profile and thin walled
- Convenient to facilitate the force-depth objects
- Chrome plated



KT NO.	mm	D1 mm	D2 mm	H1 mm	L1 mm	L mm	g	
1084-08	8	12.5	14.0	10	88	230	191	12 / 48
1084-09	9	14.0	15.5	10	88	230	191	12 / 48
1084-10	10	15.0	16.5	10	88	230	191	10 / 40
1084-11	11	16.0	17.5	11	88	230	294	10 / 40
1084-12	12	17.4	19.5	12	98	245	311	6 / 30
1084-13	13	18.9	21.0	12	98	245	395	6 / 30
1084-14	14	19.8	22.0	12	98	260	350	6 / 24
1084-15	15	21.7	24.0	13	98	260	391	6 / 24
1084-16	16	22.2	24.5	13	98	260	388	6 / 24
1084-17	17	24.5	27.0	14	98	260	488	6 / 24
1084-18	18	25.5	28.0	15	98	260	567	6 / 24
1084-19	19	27.1	30.0	15	98	260	595	6 / 24

KT NO.	inch	D1 mm	D2 mm	H1 mm	L1 mm	L mm	g	
5084-16	1/2	18.9	21.0	23	12	245	320	6 / 30
5084-18	9/16	19.8	22.0	23	12	260	336	6 / 24



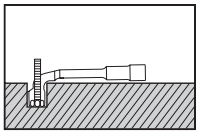
► Nylon pouch bag

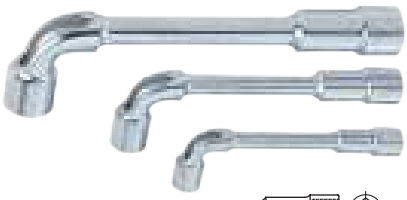
KT NO.	PC.		Contents	Kg	
1839MR	9	1084	8, 10, 11, 12, 13, 14 ,15, 17, 19	3.2	1 / 6
1842MR	12		8, 9, 10, 11, 12, 13, 14 ,15, 16, 17, 18, 19	4.2	1 / 6

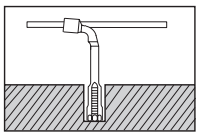
Angled Socket Wrench

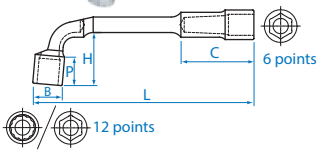
1080 | 1081

- Angle and through-hole design
- Deep concave at one side and open end socket at the other, easily fit over protruding studs
- Chrome plated
- ISO 2236









KT NO.	mm	B mm	P mm	H mm	C mm	L mm	g	
1080-06	6	11.0	7.0	18.5	29	110	55	12 / 240
1080-07	7	11.5	8.0	21.0	30.5	114	60	12 / 240
1080-08	8	13.0	10.0	21.5	30	120	62	12 / 216
1080-09	9	14.0	10.0	22.0	33	125	65	12 / 216
1080-10	10	15.0	11.0	25.5	35	131	100	6 / 60
1080-11	11	16.5	12.0	26.5	37	137	115	6 / 60
1080-12	12	17.5	12.0	27.0	40	144	155	6 / 60
1080-13	13	19.0	14.0	30.0	47	152.5	180	6 / 60
1080-14	14	20.0	14.0	33.0	48	160	185	6 / 60
1080-15	15	21.5	15.0	35.0	50	174	210	6 / 60
1080-16	16	22.5	17.0	39.5	54	185	285	6 / 60
1080-17	17	24.0	18.0	39.5	56	197	315	6 / 60
1080-18	18	25.0	19.5	42.0	58	211	370	4 / 40
1080-19	19	26.5	20.5	45.0	62	218	425	4 / 40
1080-20	20	27.5	21.5	45.0	63	222	445	2 / 20
1080-21	21	29.0	23.5	49.0	65	231	495	2 / 20
1080-22	22	30.0	23.5	49.0	67	247	530	2 / 16
1080-23	23	31.5	24.5	54.0	74	255	610	2 / 16
1080-24	24	32.5	25.5	56.0	77	266	670	2 / 16
1080-25	25	34.0	25.5	58.0	79	278	780	2 / 16
1080-26	26	35.0	25.5	59.0	80	289	805	2 / 16
1080-27	27	36.5	27.5	59.0	84	299	975	2 / 16
1080-28	28	37.5	27.5	60.0	86	310	1005	2 / 16
1080-29	29	39.0	28.5	62.0	90	319	1060	2 / 16
1080-30	30	40.0	28.5	65.0	93	332	1290	2 / 12
1080-32	32	42.5	28.5	69.0	95	353	1410	2 / 12

KT NO.	mm	B mm	P mm	H mm	C mm	L mm	g	
1081-06	6	11.0	7.0	18.5	29	110	55	12 / 240
1081-07	7	11.5	8.0	21.0	30.5	114	60	12 / 240
1081-08	8	13.0	10.0	21.5	30	120	62	12 / 216
1081-09	9	14.0	10.0	22.0	33	125	65	12 / 216
1081-10	10	15.0	11.0	25.5	35	131	100	6 / 60
1081-11	11	16.5	12.0	26.5	37	137	115	6 / 60
1081-12	12	17.5	12.0	27.0	40	144	155	6 / 60
1081-13	13	19.0	14.0	30.0	47	152.5	180	6 / 60
1081-14	14	20.0	14.0	33.0	48	160	185	6 / 60
1081-15	15	21.5	15.0	35.0	50	174	210	6 / 60
1081-16	16	22.5	17.0	39.5	54	185	285	6 / 60
1081-17	17	24.0	18.0	39.5	56	197	315	6 / 60
1081-18	18	25.0	19.5	42.0	58	211	370	4 / 40
1081-19	19	26.5	20.5	45.0	62	218	425	4 / 40
1081-20	20	27.5	21.5	45.0	63	222	445	2 / 20
1081-21	21	29.0	23.5	49.0	65	231	495	2 / 20
1081-22	22	30.0	23.5	49.0	67	247	530	2 / 16
1081-23	23	31.5	24.5	54.0	74	255	610	2 / 16
1081-24	24	32.5	25.5	56.0	77	266	670	2 / 16
1081-25	25	34.0	25.5	58.0	79	278	780	2 / 16
1081-26	26	35.0	25.5	59.0	80	289	805	2 / 16
1081-27	27	36.5	27.5	59.0	84	299	975	2 / 16
1081-28	28	37.5	27.5	60.0	86	310	1005	2 / 16
1081-29	29	39.0	28.5	62.0	90	319	1060	2 / 16
1081-30	30	40.0	28.5	65.0	93	332	1290	2 / 12
1081-32	32	42.5	28.5	69.0	95	353	1410	2 / 12

Angled Socket Wrench Set



► MRN / SRN : Tetoron pouch bag



► MR / SR : Nylon pouch bag



► Color box

KT NO.	PC.		Contents	Package	kg	
1805MR	5		10, 11, 13, 14, 17	Color box	1.12	1 / 22
1808MR	8	1080	8, 10, 11, 12, 13, 14, 17, 19	Nylon	1.73	1 / 18
1812MR	12		8, 10, 11, 12, 13, 14, 16, 17, 18, 19, 22, 24	Nylon	3.38	1 / 4
1826MR	26		6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32	Color box	14.0	1 / 2
1912MR	12	1081	8, 10, 11, 12, 13, 14, 16, 17, 18, 19, 22, 24	Nylon	3.38	1 / 4
1912MRN	12			Tetoron	3.38	1 / 4
1926MR	26		6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32	Color box	15.0	1 / 2

Adjustable Wrench

3611

- Chrome vanadium alloy steel
- Polish, phosphate & chrome plated
- DIN 3117



3611R



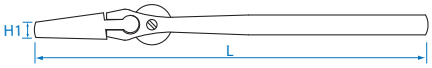
3611HR



3611P



3611HP



KT NO.	mm	H1 mm	L mm	g	
new 3611-04R	14	4.3	109	91	12 / 108
3611-06R	20	7	150	125	12 / 108
3611-08R	25	8	200	226	12 / 48
3611-10R	30	11	250	430	10 / 60
3611-12R	35	13	300	680	5 / 40
3611-06P	20	7	150	125	12 / 108
3611-08P	25	8	200	226	12 / 48
3611-10P	30	11	250	430	10 / 60
3611-12P	35	13	300	680	5 / 40

KT NO.	mm	H1 mm	L mm	g	
3611-15HR	43	13	365	1485	1 / 20
3611-18HR	52	18	450	1750	1 / 6
3611-24HR	62	23	600	3343	1 / 6
3611-15HP	43	13	365	1485	1 / 20
3611-18HP	52	18	450	1750	1 / 6
3611-24HP	62	23	600	3343	1 / 6

3631-10R

- Chrome vanadium alloy steel
- Magic button to switch ratchet function on/ off
- Wider jaw opening, comfortable & durability
- Excellent in each movement of knurl, tension enhanced and precise
- Patented, more than 130% of ASME standard

KT NO.	mm	Overall length mm	g	
3631-10R	32	257	470	6 / 36



Double Sides Self-Adjusting Wrench

3616-10

- Self-locking function grip, ideal for fastener 8~32mm
- Anti-slip teeth effective on worn screws
- Slim jaw allows for working in confined area
- Multi-purpose to all shape of fastener

KT NO.	Capacity mm	g	
3616-10	8~17 14~32	466	6 / 36

- Spline 12 points
- Square
- Torx
- Hexagon
- 70% Rounded bolt





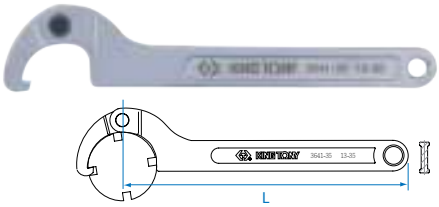
Adjustable Hook Spanner Wrench

3641

- The joint is equipped with a spring washer to ensure smooth and reliable operation
- Chrome vanadium alloy steel

KT NO.	Capacity mm	L	g	
3641-35	13-35	174	96	12 / 144
3641-50	35-50	212	166	12 / 108
3641-80	50-80	285	352	10 / 60
3641-C0	80-120	348	652	5 / 30
3641-I0	120-180	480	1260	4 / 16





Chain Wrench

3204

- Chain wrench for oil filter





KT NO.	Overall length inch	mm	Capacity(M) mm	g	
3204	8-3/4	225	Ø 60~140	359	50

Strap Wrench

3203

- Strap wrench for oil filter



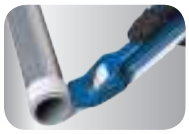


KT NO.	Overall length inch	mm	Capacity(M) mm	g	
3203	8-3/4	223	Ø 60~140	242	50
320300		Strap		46	80
3203A0	8-3/4	223	Ø 60~260	300	50
320301		Strap		73	80

320670

- Aluminum alloy handle and strong nylon strap for tight grip
- Suitable for oil filter or any polished pipe





KT NO.	Overall Length inch	mm	Capacity mm	g	
320670	12	295	Ø 60~180	343.8	50
320600		Nylon strap		34.6	50



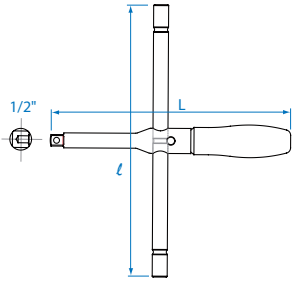
T-Spin Lug Wrench Set

4503MR

- Fast spinning action extension wrench
- Reach deep area with soft grip handle
- Suitable for passenger vehicles







4506MR





4 PC.



6 PC.

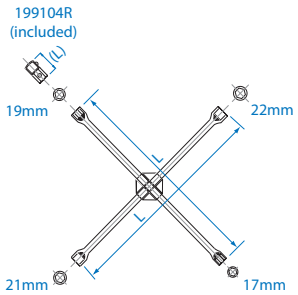
KT NO.	Size	ℓ mm	L mm	Kg	
4503MR	■ 1/2"	300	265	1.36	10
	○ 19, 21 mm 4335MR				
4506MR	■ 1/2"			1.56	
	○ 17, 19, 21, 23 mm 4335MR				

Wheel Nut Wrench

1991

- For most car wheel nuts in metric
- Chrome vanadium alloy steel
- Chrome plated
- DIN 3119, ISO 6788

KT NO.	■ inch	○ mm	L mm	g	
19911722	1/2	17, 19, 21, 22	400	1700	6
199104R	1/2	19	34	84	10 / 240



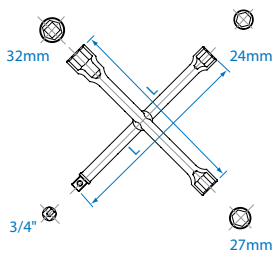


1993

- Designed for removing wheel nuts on cars and heavy vehicles
- Replaceable bit on wrenches featuring a square drive
- Chrome vanadium alloy steel
- Chrome plated

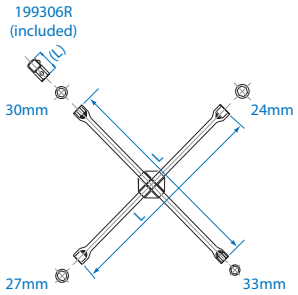
KT NO.	■ inch	○ mm	L mm	g	
19932427	3/4	24, 27, 32	700	4333	4







KT NO.	■ inch	○ mm	L mm	g	
19932433	3/4	24, 27, 30, 33	700	5.02	2
199306R	3/4	30	48	0.21	-





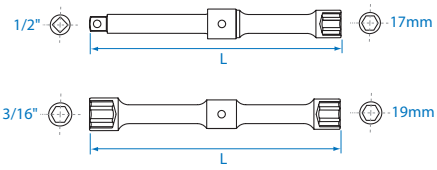
- T-type 90° universal joint driver

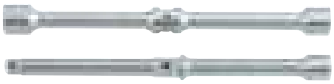
Assembling Wheel Nut Wrench

1996

PAT. 192461

- For most car wheel nuts in metric
- Chrome vanadium alloy steel
- Chrome plated







KT NO.	inch	inch	mm	L mm	g	
19961721	13/16	1/2	17, 19	300	1100	20

Double-End Truck Wrench & Set

1999

1999R

1999A

- Chrome vanadium alloy steel
- Chrome plated





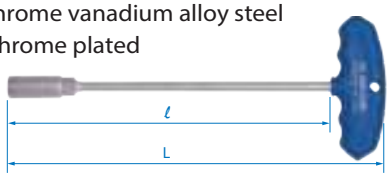
Wrench KT NO.	Size mm	ø mm	Overall length mm	Tommy Bar KT NO.	Overall length mm	Set KT NO.	g	
19991921	19 x 21	ø16	300	19980016	300	19991921A	1183	1 / 20
19992224	22 x 24	ø19	400	199920R	400	19992224A	2330	1 / 8
19992427	24 x 27	ø19	400	199920R	400	19992427A	2673	1 / 8
19992432	24 x 32	ø19	400	199920R	400	19992432A	2360	1 / 8
19992730	27 x 30	ø19	400	199920R	400	19992730A	2740	1 / 8
19992732	27 x 32	ø19	400	199920R	400	19992732A	2762	1 / 8
19992733	27 x 33	ø19	400	199920R	400	19992733A	2796	1 / 8
19992833	28 x 33	ø19	400	199920R	400	19992833A	2440	1 / 8
19993032	30 x 32	ø19	400	199920R	400	19993032A	2853	1 / 8
19993233	32 x 33	ø19	400	199920R	400	19993233A	2875	1 / 8
19993238	32 x 38	ø19	400	199920R	400	19993238A	3055	1 / 4
19993821	○ 38 x ▢ 21 SQ.	ø25	400	199925R	595	19993821A	3794	3
19993822	○ 38 x ▢ 22 SQ.	ø25	400	199925R	595	19993822A	3794	3
19994121L	○ 41 x ▢ 21 SQ.	ø25	450	199925R	595	19994121LA	4074	3



T-type Deep Socket Wrench

115HM

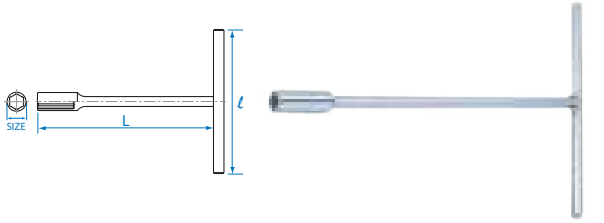
- Shank material - chrome vanadium alloy steel
- Shank finishing - chrome plated
- Grip material - PP



KT NO.	mm	ℓ mm	L mm	g	
115H05M-10	5	260	300	140.0	12 / 96
115H06M-10	6	260	300	147.0	12 / 96
115H07M-10	7	260	300	161.8	12 / 96
115H08M-10	8	260	300	159.0	12 / 96
115H09M-10	9	260	300	161.2	12 / 96
115H10M-10	10	260	300	170.6	12 / 96
115H11M-10	11	260	300	203.4	12 / 96
115H12M-10	12	260	300	205.0	12 / 96
115H13M-10	13	260	300	204.6	12 / 96
115H08M-14	8	394	394	147.0	10 / 60
115H10M-14	10	394	394	153.0	10 / 60
115H13M-14	13	394	394	261.0	8 / 32

1184M

- T-shaped deep socket wrench
- Chrome vanadium alloy steel
- DIN 475

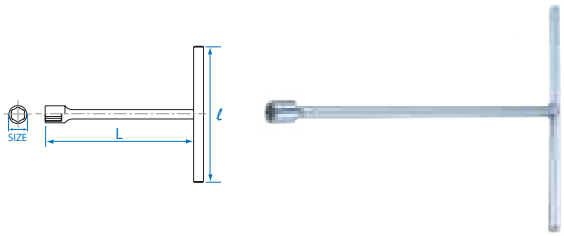


KT NO.	Size mm	ℓ mm	L mm	g	
118406M	6	120	190	53	10 / 40
118407M	7	120	190	73	10 / 40
118408M	8	200	300	212	10 / 60
118409M	9	200	300	307	10 / 60
118410M	10	200	300	317	10 / 60
118411M	11	200	300	327	10 / 60
118412M	12	200	300	328	10 / 60
118413M	13	200	300	333	10 / 60
118414M	14	200	300	345	10 / 60
118417M	17	250	300	602	6 / 36

T-type Standard Socket Wrench

1185M

- T-shaped standard socket wrench
- Chrome vanadium alloy steel
- DIN 475



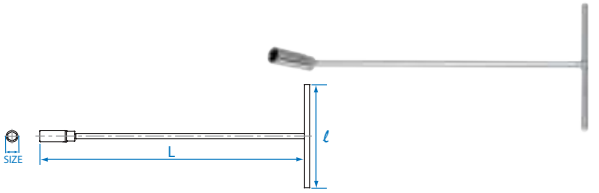
KT NO.	Size mm	ℓ mm	L mm	g	
118508M	8	200	250	186	10 / 100
118509M	9	200	250	231	10 / 100
118510M	10	200	250	228	10 / 100
118511M	11	200	250	234	10 / 100
118512M	12	250	250	386	10 / 60

KT NO.	Size mm	ℓ mm	L mm	g	
118513M	13	250	300	421	10 / 60
118514M	14	250	300	429	10 / 60
118517M	17	300	300	710	6 / 36
118519M	19	300	300	725	6 / 36

T-type Spark Plug Socket

1563

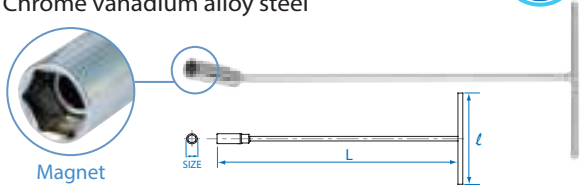
- T-type 25° universal spark plug socket (rubber)
- Chrome vanadium alloy steel



KT NO.	Size mm	ℓ mm	L mm	g	
15631612	16	200	300	363	10 / 40
15631615	16	200	385	400	10 / 40
15631618	16	200	460	450	10 / 40
15631818	18	200	460	450	10 / 40
15632112	21	200	300	388	10 / 40
15632115	21	200	385	438	10 / 40
15632118	21	200	460	488	10 / 40

1566

- T-type 25° universal spark plug socket with magnet
- Chrome vanadium alloy steel

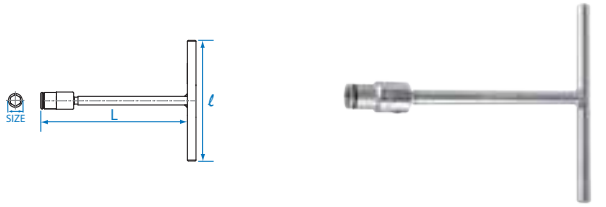


KT NO.	Size mm	ℓ mm	L mm	g	
15661612	16	200	300	400	10 / 40
15661615	16	200	385	420	10 / 40
15661618	16	200	460	460	10 / 40
15661818	18	200	460	450	10 / 40
15662112	21	200	300	420	10 / 40
15662115	21	200	385	460	10 / 40
15662118	21	200	460	510	10 / 40

T-type Universal Standard Socket Wrench

5722M

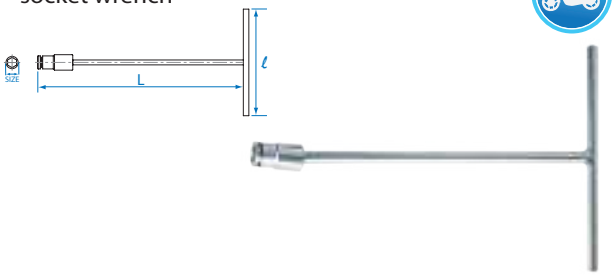
- T-type 25° universal standard socket wrench



KT NO.	Size mm	ℓ mm	L mm	g	
572210M	10	150	170	400	10 / 60
572212M	12	150	170	400	10 / 60

5742M

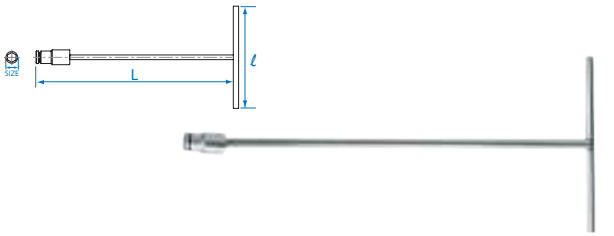
- T-type 25° universal standard socket wrench



KT NO.	Size mm	ℓ mm	L mm	g	
574208M	8	200	320	328	10 / 40
574212M	12	200	320	332	10 / 40
574213M	13	200	320	333	10 / 40
574214M	14	200	320	335	10 / 40
574217M	17	200	320	340	10 / 40

5752M

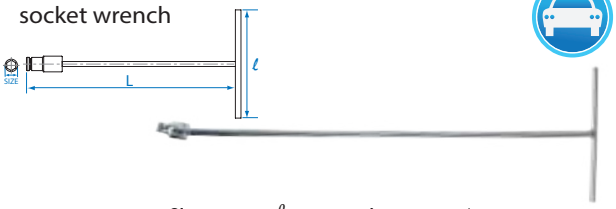
- T-type 25° universal standard socket wrench



KT NO.	Size mm	ℓ mm	L mm	g	
575208M	8	200	450	427	10 / 40
575210M	10	200	450	430	10 / 40
575212M	12	200	450	432	10 / 40
575213M	13	200	450	433	10 / 40
575214M	14	200	450	435	10 / 40
575217M	17	200	450	440	10 / 40

5762M

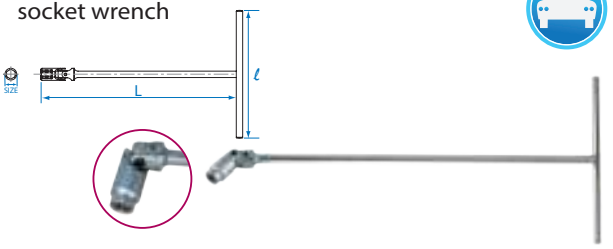
- T-type 25° universal standard socket wrench



KT NO.	Size mm	ℓ mm	L mm	g	
576208M	8	200	600	519	10 / 40
576210M	10	200	600	520	10 / 40
576212M	12	200	600	522	10 / 40
576213M	13	200	600	523	10 / 40
576214M	14	200	600	525	10 / 40
576217M	17	200	600	540	10 / 40

5772M

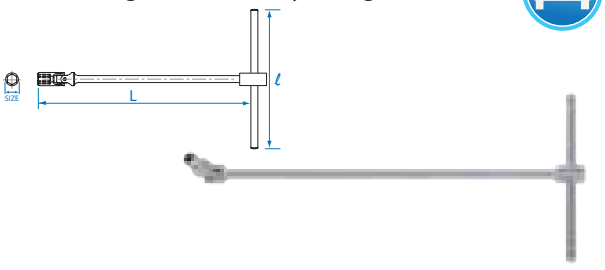
- T-type 90° universal standard socket wrench



KT NO.	Size mm	ℓ mm	L mm	g	
577208M	8	200	400	425	10 / 40
577210M	10	200	400	425	10 / 40
577212M	12	200	400	425	10 / 40
577213M	13	200	450	425	10 / 40
577214M	14	200	450	425	10 / 40
577217M	17	200	450	425	10 / 40

5774M

- T-type 90° universal standard socket wrench
- 2 PC. sliding handle for easy storage



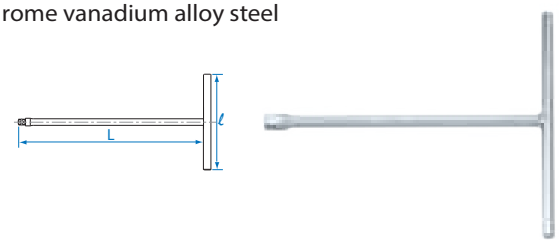
KT NO.	Size mm	ℓ mm	L mm	g	
577406M	6	200	390	420	10 / 30
577407M	7	200	390	420	10 / 30
577408M	8	200	390	420	10 / 30
577409M	9	200	390	420	10 / 30
577410M	10	200	500	480	10 / 30
577411M	11	200	500	480	10 / 30
577412M	12	200	500	480	10 / 30
577413M	13	200	500	480	10 / 30
577414M	14	200	500	500	10 / 30
577415M	15	200	500	500	10 / 30
577416M	16	200	500	500	10 / 30
577417M	17	200	500	500	10 / 30
577418M	18	200	500	500	10 / 30
577419M	19	200	500	500	10 / 30

T-shaped Driver

- Chrome vanadium alloy steel
- Chrome plated

3511 3/8"

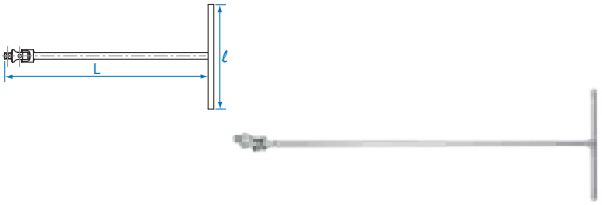
- Chrome vanadium alloy steel



KT NO.	ℓ mm	L mm	g	📦/📦
3511-06	170	268	325	5 / 30
3511-10	250	268	386	6 / 30

3795 3/8"

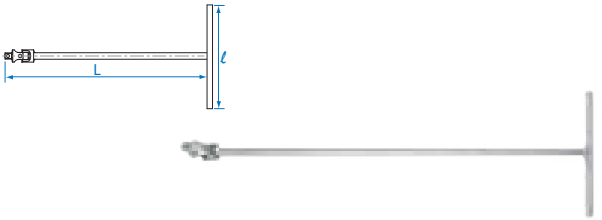
- T-type 90° universal joint driver
- Chrome vanadium alloy steel



KT NO.	ℓ mm	L mm	g	📦/📦
3795-15	200	375	375	10 / 40
3795-18	200	455	425	10 / 40
3795-24	200	600	500	10 / 40
3795-30	200	750	600	10 / 30

4795 1/2"

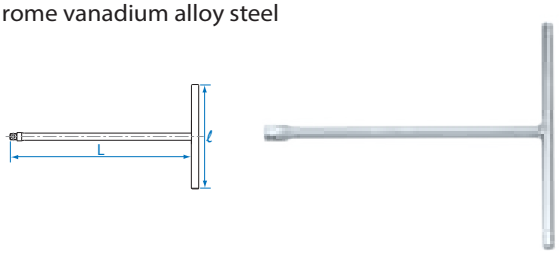
- T-type 90° universal joint driver
- Chrome vanadium alloy steel



KT NO.	ℓ mm	L mm	g	📦/📦
4795-18	200	460	567	10 / 30
4795-24	200	600	700	10 / 30
4795-30	200	750	850	10 / 20
4795-36	200	900	1000	10 / 20

4511 1/2"

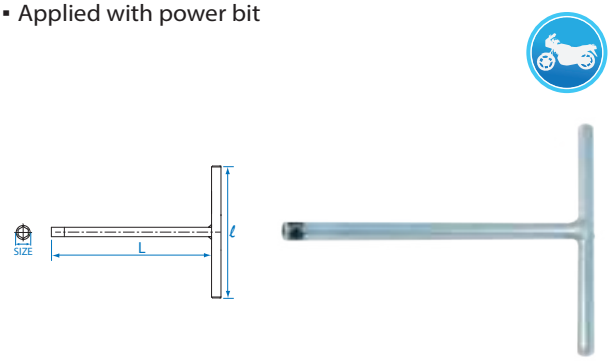
- Chrome vanadium alloy steel



KT NO.	ℓ mm	L mm	g	📦/📦
4511-06	170	268	400	5 / 30
4511-10	250	268	468	6 / 30

21A107

- Applied with power bit

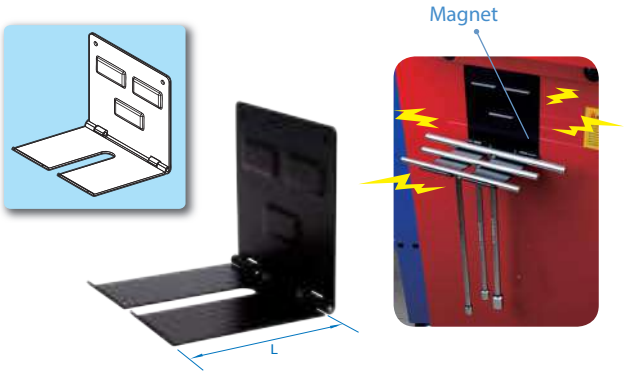


KT NO.	Size inch	ℓ mm	L mm	g	📦/📦
21A107	1/4	150	175	194	10 / 60

T-type Wrench Hanger

9TE21

- Easily collect and organize different sizes of T-type wrenches at the same time
- The front square board is foldable to save space
- Suitable for trolleys, worktable & the other necessary working places
- There are 3 square neodymium magnets behind panel, maximum 5 kgs can be loaded (The magnetic side should be totally attached)



KT NO.	L mm	Capacity kg	Capacity lbs	g	📦/📦
9TE21	120	5	11	533	1 / 45

PLIERS

- Pliers
- Bolt Cutter
- Circlip Pliers
- Locking Pliers
- Wire Twisting Pliers

High performance for cutting

A greater hardness at the edge makes it very sharp and easy to cut. Wear-resistant design is for different purposes pliers and cutters. Our high leverage combination pliers quality is tested by cutting piano wire with sharp performance.

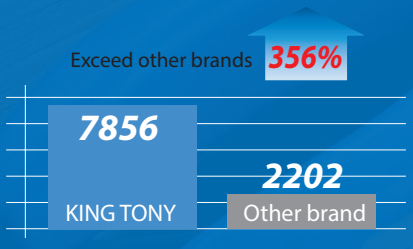
Over 2000 times cutting result for 1.6mm piano wire (2200N/mm2, HRC48)



King Tony Brand:
Wore down 0.19mm
(good)



Other Brand:
Wore down 0.33mm
(not good)



KING TONY combination pliers are sharp and triple of its life for cutting than others.


6SSS-07
6SSS-07
6HB-07
KING TONY
6517-10

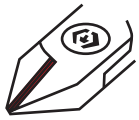


CUTTING EDGES
TECHNICAL BASICS

CUTTING EDGE SHAPES

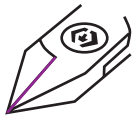

With bevel (outside bevel)



With very small bevel (outside bevel)



With small bevel (outside bevel)



Without bevel (outside bevel)


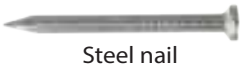
WIRE CLASSES

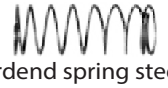
Soft wire

Copper / Aluminium

Hard wire

Spring wire / Steel nail

Medium hard wire

Steel nail

Piano wire

Hardend spring steel

TECHNICAL BASICS

Thin serrated


Coarse serrated


With opening spring


JAWS TYPES

Round jaws


Half-round jaws

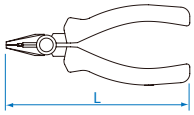

Flat & point jaws


Combination Pliers

- Grip material - PP + TPR / item no. with "C" is made of PVC

6114

- Mini type
- DIN ISO 5746

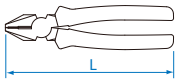





KT NO.	L inch	L mm	Cutting capacities ø mm ⊙	●	g	
6114-05	5	122	3.0	2.0	85	8 / 160

6111

- European type
- Polished head
- DIN ISO 5746


6111

6111C

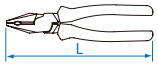
KT NO.	L inch	L mm	Cutting capacities ø mm ⊙	●			g	
6111-06	6-1/2	163	4.0	2.8	1.8	1.6	217	8 / 96
6111-07	7-1/2	188	4.0	3.0	2.0	1.6	292	8 / 48
6111-08	8-1/4	213	4.0	3.0	2.0	1.6	399	8 / 48
6111-07C	7-1/2	188	4.0	3.0	2.0	1.6	260	8 / 48
6111-08C	8-1/4	213	4.0	3.0	2.0	1.6	340	8 / 48

6112

- Hi-leverage type
- Polished head



6112




6112C

KT NO.	L inch	L mm	Cutting capacities ø mm ⊙	●			g	
6112-09	9	232	4.0	3.0	2.2	2.0	348	6 / 60
6112-09C	9	225	4.0	3.0	2.2	2.0	359	6 / 60

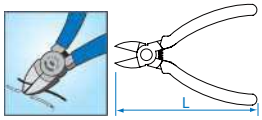
Plastic Pliers

CAUTION

In order to get normal life of pliers, do not cut steel wire.

6921

- European type
- Polished head


6921


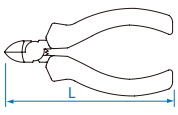

6921C

KT NO.	L inch	L mm	g	
6921-05	5	132	98	6 / 120
6921-06	6	155	238	6 / 72
6921-07	7	178	276	6 / 60
6921-05C	5	132	89	6 / 120
6921-06C	6	155	132	8 / 96
6921-07C	7	178	170	6 / 60

Diagonal Pliers

6214

- Mini type

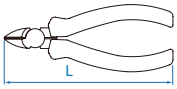





KT NO.	L inch	L mm	Ø Max. mm ⊙ ø mm	g	
6214-45	4-1/2	115	0.6	84	8 / 160
6214-05	5	127	1.25	94	8 / 160

6211

- European type
- DIN 5749



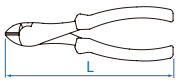
KT NO.	L inch	L mm	Cutting capacities ø mm ⊙	●			g	
6211-06	6-1/2	163	4.0	2.8	2.0	1.6	194	8 / 96

6231

- Heavy duty type
- DIN ISO 5749

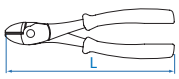

6231-07

6231-08



KT NO.	L inch	L mm	Cutting capacities ø mm ⊙	●			g	
6231-07	7-1/2	188	4.0	3.0	2.2	2.0	240	8 / 80
6231-08	8	200	5.0	3.5	2.2	2.0	312	8 / 80

6232

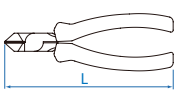




KT NO.	L inch	L mm	Cutting capacities ø mm ⊙	●			g	
6232-08	8	200	5.0	3.5	2.2	2.0	285	8 / 80

6213

- Japanese type



KT NO.	L inch	L mm	Cutting capacities ø mm ⊙	Wire stripper mm ●	g	
6213-06	6-1/2	163	1.25	1.4 / 1.6	179	8 / 96

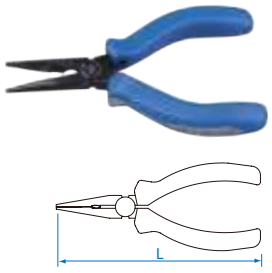
Long Nose Pliers

- Grip material - PP + TPR / item no. with "C" is made of PVC

6314

- Mini type
- DIN ISO 5745



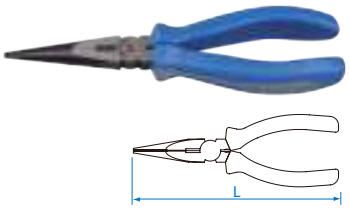


KT NO.	L inch	L mm	ø mm Cutting capacities ⊙	◉	●	g	
6314-05	5-1/2	140	3.0	2.0	1.6	100	8 / 160

6311

- European type
- DIN ISO 5745



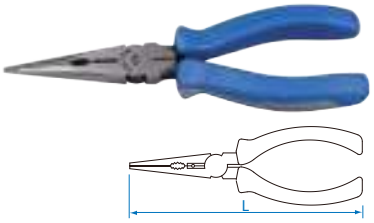


KT NO.	L inch	L mm	ø mm Cutting capacities ⊙	◉	◉	●	g	
6311-06	6-1/2	164	4.0	2.8	1.8	1.6	147	10 / 120
6311-08	8	200	4.0	3.0	2.0	1.6	219	8 / 80

6313

- Japanese type
- DIN ISO 5745



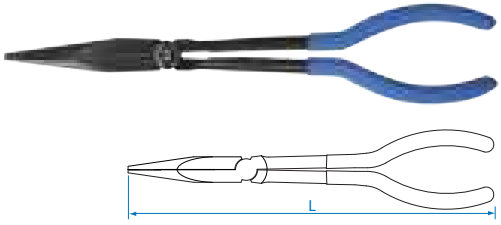


KT NO.	L inch	L mm	ø mm Cutting capacities ⊙	◉	◉	●	g	
6313-06	6-1/2	169	4.0	2.8	1.8	1.6	145	10 / 120

Extra Long Nose Pliers

6319

- Slim jaws design for gripping components in recessed areas



KT NO.	L inch	L mm	g	
6319-11C	11	280	317	6 / 48

Double Joint Nose Pliers

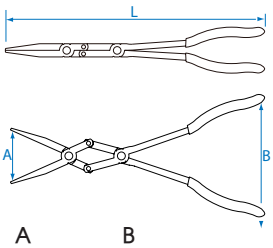
6329

- Double joint and slim profile, for working a greater width in a narrow space, even single-handed
- Serrated nose for good grip







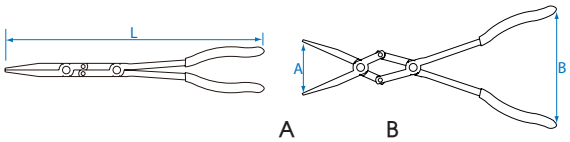


KT NO.	L inch	L mm	A Up on jaw capacity (mm)	B Grip width (mm)	g	
6329-13C	13	340	50	110	365	5 / 40

6339

- Double joint and slim profile, for working a greater width in a narrow space, even single-handed
- Serrated nose for good grip





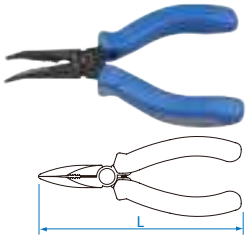
KT NO.	L inch	L mm	A Up on jaw capacity (mm)	B Grip width (mm)	g	
6339-13C	13	335	50	110	365	5 / 40

Bent Nose Pliers

6334

- Mini type
- DIN ISO 5745





KT NO.	L inch	L mm	ø mm Cutting capacities ⊙	◉	◉	g	
6334-05	5	127	3.0	2.0	1.6	102	8 / 160

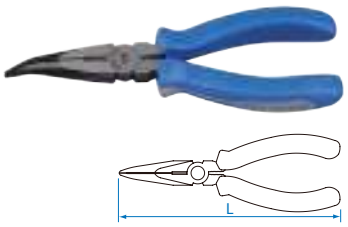
Bent Nose Pliers

- Grip material - PP + TPR / item no. with "C" is made of PVC

6331

- European type
- DIN ISO 5745





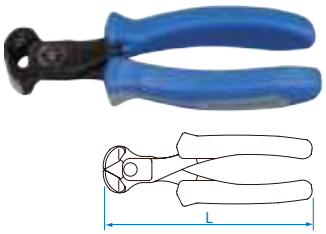
KT NO.	L inch	L mm	ø mm Cutting capacities					
6331-06	6-1/2	163	4.0	2.8	1.8	1.6	149	10 / 120
6331-08	8	200	4.0	3.0	2.0	1.6	220	8 / 80

End Cutting Pliers

6411

- European type
- DIN ISO 5748



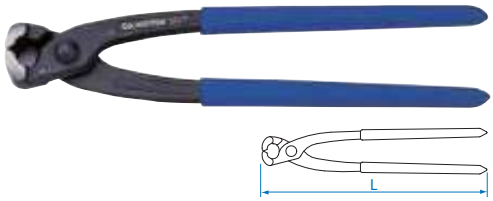


KT NO.	L inch	L mm	ø mm Cutting capacities					
6411-06	6-1/2	163	4.0	3.0	1.6	1.6	268	8 / 96

6431

- European type
- DIN ISO 9242





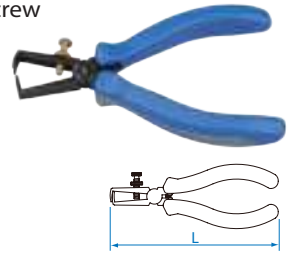
KT NO.	L inch	L mm	Cutting capacities			
6431-10C	10	254	2.0	1.6	445	6 / 48
6431-11C	11	278	2.2	1.8	510	6 / 48

Stripping Pliers

6711

- With spring and adjusting screw





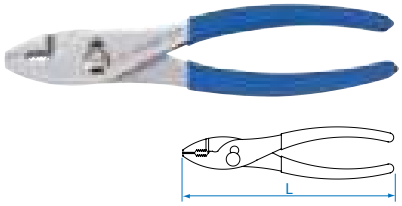
KT NO.	L inch	L mm	ø mm	Wire stripper mm²		
6711-06	6	155	5	10	191	8 / 96

Slip Joint Pliers

6463

- 2 positions adjustment
- Serrate jaws





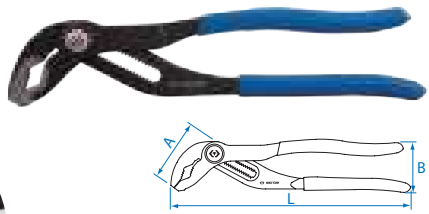
KT NO.	L inch	L mm		
6463-08C	8	210	290	8 / 80

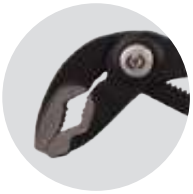
Groove Joint Pliers

6517

- Quick lock
- Grip material-PVC
- DIN ISO 8976







KT NO.	L inch	L mm	A mm	B mm		
6517-08C	8	200	40	54	44	190	10 / 40
6517-10C	10	250	60	68	56	360	6 / 48
6517-12C	12	310	70	89	73	540	5 / 40

6516

- German type
- 7 positions opening
- DIN ISO 8976

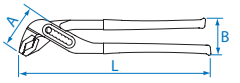




6516-10



6516C



KT NO.	L inch	L mm	A mm	B mm		
6516-10	10	253	36	58	61	386	6 / 48
6516-10C	10	253	36	58	61	300	8 / 64

Groove Joint Pliers

6511

- 7 positions opening
- DIN ISO 8976

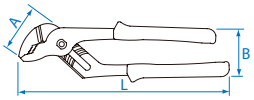




6511-10



6511C



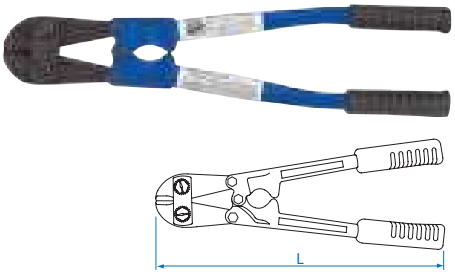
KT NO.	L inch	L mm	mm	A mm	B mm	g	
6511-10	10	253	50	33	50	447	6 / 48
6511-10C	10	253	50	33	50	400	6 / 48
6511-13C	13	325	65	43	50	808	2 / 16
6511-17C	17	425	100	58	55	1150	2 / 12

Bolt Cutter

6131

GS / TUV

- Chrome vanadium alloy steel
- Center cut



KT NO.	L inch	L mm	Cutting capacity 15°(ø mm) HRC	Cutting capacity 35°(ø mm) HRC	kg	
6131-12	12	300	ø5	ø4	0.76	1 / 20
6131-14	14	350	ø7	ø5	1.00	1 / 20
6131-18	18	450	ø8	ø6	1.51	1 / 12
6131-24	24	600	ø10	ø8	2.35	1 / 10
6131-30	30	750	ø13	ø10	3.75	1 / 6
6131-36	36	900	ø16	ø11	5.50	1 / 5
6131-42	42	1050	ø18	ø13	8.56	1 / 3

6131P01

- Spare blade for 6131
- Center cut



KT NO.	Overall length mm	Cutting capacity 15°(ø mm) HRC	Cutting capacity 35°(ø mm) HRC	kg	
6131-12P01	95 x 57	ø5	ø4	0.26	1 / 40
6131-14P01	110 x 65	ø7	ø5	0.40	1 / 40
6131-18P01	125 x 72	ø8	ø6	0.85	1 / 20
6131-24P01	150 x 86	ø10	ø8	0.87	1 / 20
6131-30P01	170 x 97	ø13	ø10	1.25	1 / 10
6131-36P01	190 x 112	ø16	ø11	1.85	1 / 10
6131-42P01	205 x 122	ø18	ø13	3.10	1 / 5

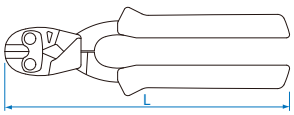
Compact Bolt Cutter

6133

- Heavy duty type
- DIN ISO 5749
- Center cut







KT NO.	L inch	L mm	Cutting capacities ⊙ ø mm	⊙ ø mm	◉ ø mm	● ø mm	g	
6133-08	8	200	6.0	5.0	4.0	3.5	399.6	8 / 48

Circlip Pliers

66HS | 66HB | 66SS | 66SB

- Design of hidden spring
- Straight and angled pattern
- High strength of tip
- DIN 5254, DIN 5256





KT NO.	Tips	Overall length inch	Overall length mm	Ø-tips	Capacity Ø mm	g	
66HS-07		7	188	1.8	19~60	176	8 / 48
66HB-07		7	175	1.8	19~60	176	8 / 48
66SS-07		7	188	1.8	19~60	195	8 / 48
66SB-07		7	175	1.8	19~60	195	8 / 48

67HS | 67HB | 68HS | 68HB

- For internal retaining rings
- Straight and angled pattern
- DIN 5254, DIN 5256



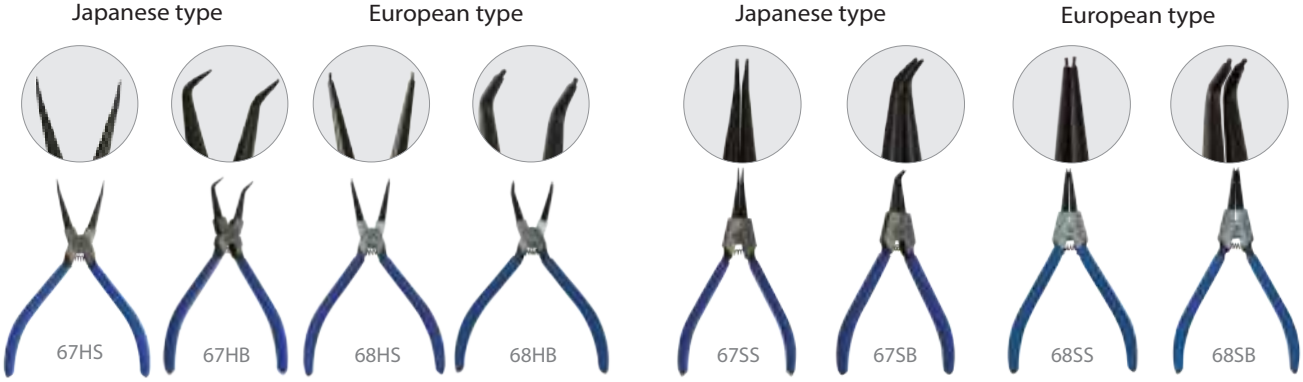
Internal type

67SS | 67SB | 68SS | 68SB

- For external retaining rings
- Straight and angled pattern
- DIN 5254, DIN 5256



External type



KT NO.	Tips	Overall length inch	Overall length mm	Ø tips	Capacity Ø mm	g	
67HS-07		7	180	1.8	19~60	130	12 / 144
67HB-07		7	180	1.8	19~60	130	12 / 144
68HS-05		5	125	1.3	12~28	97	10 / 80
68HS-07		7	180	1.8	19~60	130	12 / 144
68HS-10		10	250	2.3	40~100	291	8 / 64
68HB-05		5	125	1.3	12~28	94	10 / 80
68HB-07		6-3/4	170	1.8	19~60	130	12 / 144
68HB-10		9-1/2	241	2.3	40~100	291	6 / 48

KT NO.	Tips	Overall length inch	Overall length mm	Ø tips	Capacity Ø mm	g	
67SS-07		7	180	1.8	19~60	130	12 / 144
67SB-07		7	180	1.8	19~60	130	12 / 144
68SS-05		5	125	1.3	12~28	101	10 / 80
68SS-07		7	180	1.8	19~60	130	12 / 144
68SS-10		10	250	2.3	40~100	291	8 / 64
68SB-05		5	125	1.3	12~28	101	10 / 80
68SB-07		6-3/4	170	1.8	19~60	130	12 / 144
68SB-10		9-1/2	241	2.3	40~100	291	6 / 48

Pliers Set



► Nylon pouch bag

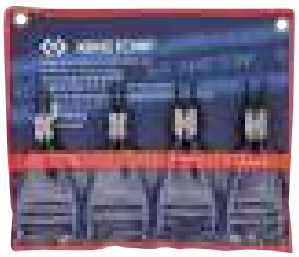


► Color box

KT NO.	PC.	Contents				Package	Kg	
42104GP	4	6511-10	6111-06	6211-06	6311-08	Nylon	1.17	1 / 18
42104GP01	4	6516-10C				Nylon	1.17	1 / 18
42124GP	4	6511-10C	6111-08	6311-08	6231-08	Nylon	1.48	1 / 18
42124GP01	4	6516-10C				Nylon	1.48	1 / 18
new 42124GP04	4	6111-08	6311-08	6232-08	6517-10C	Nylon	1.48	1 / 18
42213GP01	3	6111-08	6311-08	6231-08		Color box	1.05	1 / 20

Circlip Pliers Set

KT NO.	PC.	Contents				Kg	
42114GP	4	68HS-07	68SS-07	68HB-07	68SB-07	062	1 / 32
42154GP	4	66HS-07	66SB-07	66HB-07	66SS-07	0.84	1 / 32
42116GP	6	68HS-07	68HB-07	68HS-10	68SS-07	68SB-07	68SS-10	1.33	1 / 18



► Nylon pouch bag

Display Stand for PVC Pliers

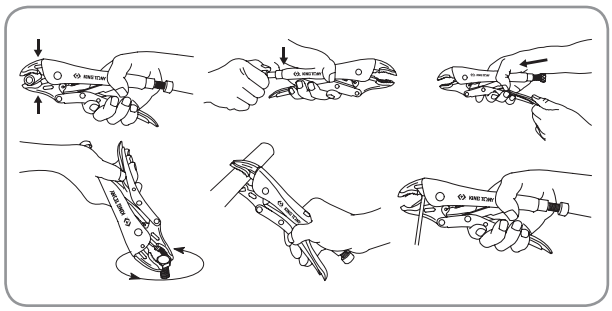
87116

- Capacity : 12 PC.
- Size : 243 x 205 x 200 mm
- Suitable for displaying PVC grip pliers



• Finishing - option 1 : chrome plated (R) / option 2 : nickel plated (N)

Locking Pliers



6011

- Curved jaw with wire cutter
- With adjusting screw and release lever
- Jaw width 10mm, length 30mm
- ASME B107.500-2010

MATERIAL - Jaw : Spring alloy steel
Handle : Chrome molybdenum alloy steel


6011R


6011N

KT NO.	Overall length inch	Overall length mm	Jaw capacity mm	g	
6011-05R	5-1/2	142	29	166	6 / 48
6011-07R	7	185	38	367	8 / 32
6011-07N	7	185	38	367	8 / 32
6011-10R	10	254	48	542	8 / 32
6011-10N	10	254	48	542	8 / 32

6012

- V jaw with wire cutter
- With adjusting screw and release lever
- Jaw width 10mm, length 30mm
- ASME B107.500-2010

MATERIAL - Jaw : Chrome molybdenum alloy steel
Handle : Chrome molybdenum alloy steel



KT NO.	Overall length inch	Overall length mm	Jaw capacity mm	g	
6012-07N	7	175	33	385	8 / 32
6012-10N	10	254	45	581	8 / 32

6013 new

- Curved jaw with wire cutter
- With adjusting screw and release lever
- Jaw width 10mm, length 30mm
- ASME B107.500-2010

MATERIAL - Jaw : Chrome molybdenum alloy steel
Handle : Chrome molybdenum alloy steel



KT NO.	Overall length inch	Overall length mm	Jaw capacity mm	g	
6013-10R	10	254	50	550	8 / 32

6031

- Straight jaw
- With adjusting screw and release lever
- Jaw width 10mm, length 30mm
- ASME B107.500-2010

MATERIAL - Jaw : Spring alloy steel
Handle : Chrome molybdenum alloy steel


6031R


6031N

KT NO.	Overall length inch	Overall length mm	Jaw capacity mm	g	
6031-07R	7	185	33	392	8 / 32
6031-07N	7	185	33	392	8 / 32
6031-10R	10	254	45	573	8 / 32
6031-10N	10	254	45	573	8 / 32

Long Nose Pliers

6315

- ASME B107.500-2010

MATERIAL - Jaw : Spring alloy steel
Handle : Chrome molybdenum alloy steel



KT NO.	Overall length inch	Overall length mm	Jaw capacity mm	g	
6315-06	6	166	51	205	8 / 80
6315-09	9	221	70	393	6 / 36

Locking Pliers Set



► Nylon pouch bag

KT NO.	PC.	Contents		Kg	
new 42503PR	3	6011-10R	6031-07R	1.24	1 / 20
new 42504PR	4	6011-05R, 6013-10R	6315-06	1.43	1 / 15

Lock Sheet Metal Clamp

6605

- With adjusting screw and release lever
- Makes bending, forming, and crimping sheet metal easier

MATERIAL - Chrome molybdenum alloy steel



KT NO.	Overall length inch	Overall length mm	Jaw capacity mm	g	
6605-08	8	206	13	455	1 / 18

Locking Chain Clamp

6655

- Chain can hold around any shape or size
- Convenient for awkward shaped pieces
- With adjusting screw and release lever

MATERIAL - Handle : Chrome molybdenum alloy steel



KT NO.	Overall length inch	Overall length mm	Capacity mm	g	
6655-09	9	225	Ø 60~140	733	1 / 18

Locking Welding Clamp

6665

- U-shaped jaws allow enhanced visibility and more working space
- Holds work in proper alignment
- For use in welding or holding awkward shapes in place

MATERIAL - Chrome molybdenum alloy steel



KT NO.	Overall length inch	Overall length mm	Capacity mm	g	
6665-09	9	230	70	625	1 / 18

C-clamp Grip Pliers

6615

MATERIAL -
Jaw : Chrome vanadium alloy steel
Handle : Chrome molybdenum alloy steel



KT NO.	Overall length inch	Overall length mm	Capacity mm	g	
6615-06	6-3/4	170	50	230	6 / 72
6615-11	11	280	100	790	1 / 20
6615-18	18	456	200	1136	1 / 10

6625

- C-clamp grip pliers with moving jaw

MATERIAL -
Jaw : Chrome vanadium alloy steel
Handle : Chrome molybdenum alloy steel

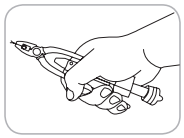


KT NO.	Overall length inch	Overall length mm	Capacity mm	g	
6625-06	7	175	54	250	6 / 72
6625-11	11	280	96	840	1 / 20
6625-18	18-1/2	457	200	1220	1 / 10

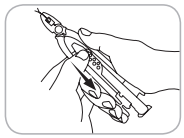
Wire Twisting Pliers

6121

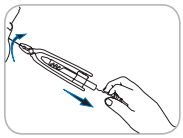
- Simple pull action twisting wires into a tight uniform fastener
- Material : Chrome vanadium alloy steel
- Twist wire up to 0.04 inch



• Grip wire and pull down the bar



• Pull the lock



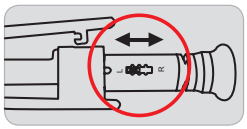
• Pull the knob

KT NO.	Type	g	
6121-06X	wire twisting pliers 6"	250	12 / 48
6121-09X	wire twisting pliers 9"	380	10 / 50
6122-06X	reversible wire twisting pliers 6"	337	10 / 40
6122-09X	reversible wire twisting pliers 9"	450	10 / 30

6122









• Left turn (counterclockwise): Reversible if mistake happened switch button to "L" then pull the bar to twist counterclockwise



PIPE TOOLS

- Pipe / Tube Cutting
- Pipe Wrench
- Flaring / Swaging
- Bending
- Stepped Ratchet Radiator key Set
- A/C & Refrigeration Service Tools & Set




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KINGTONY

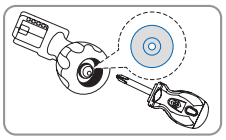
Ratchet Tubing Cutter

7912-21

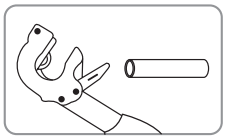
- Cuts without having to rotate tool completely around tubing
- Ratchet mechanism allows for tight area operation
- Cuts through some of the toughest surfaces: stainless steel, wall conduit, copper and aluminum
- Exclusive one hand operation, limited risks of hand-fatigue and injuries



- Comes with spare blade.
- Provided with foldable reamer.

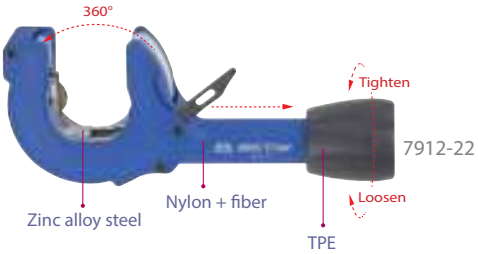


- Use Phillips screwdriver to take out the back-up blade located in the handle base.



- Deploy foldable reamer provided to smoothen sharp edges. (only 7912-22)

7912-22

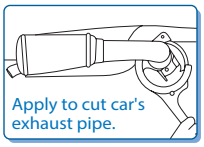


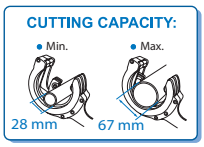
KT NO.	Capacity ø mm	Max. cutting thickness (mm) Stainless	Other	Remark	g	
7912-21	8-28	2	3.0	spare blade	389	1 / 40
7912-22	12-35	2	3.0	spare blade / reamer	452	1 / 40
7912-0111		Spare cutting blade			5	25 / 250

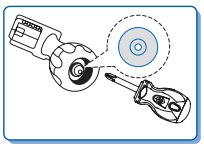
7912-23

- Apply to cut car's exhaust pipe.









- Use Phillips screwdriver to take out the back-up blade located in the handle base.

KT NO.	Capacity ø mm	Max. cutting thickness (mm) Stainless	Other	g	
7912-23	28-67	2	3.0	1122.6	1 / 10
7912-2311		Spare cutting blade		5	25 / 250

Mini Tube Cutter

- Full-stop feed system prevents wheels and rollers from coming into contact
- Ergonomic handle design for comfortable operation
- Quick adjustment and easy to change the cutting wheel
- For copper, brass, aluminum pipes
- Specifically design for using in restricted place
- With two guide rollers

7915A-19



7915A-28



KT NO.	inch	mm	max. (mm)	Overall length inch	mm	g	
7915A-19	1/8~3/4	3~19	1.2	2-1/2	62	152	10 / 100
7915A-28	1/8~1-1/8	3~28	1.2	2-3/4	70	205	10 / 100
7914A-0111			Spare cutting blade			13	25 / 250

Tube Cutter for Copper

7914A-35

- For copper, brass, aluminum pipes
- Ergonomic handle design for comfortable operation
- Includes one piece spare cutting wheel
- With four guide rollers
- Full-stop feed system prevents wheels and rollers from coming into contact
- Quick adjustment and easy to change the cutting wheel







KT NO.	inch	mm	max. (mm)	Overall length inch	Overall length mm	g	
7914A-35	1/8~1-3/8	3~35	1.2	5-1/2	140	370	10 / 60
7914A-0111			Spare cutting blade			13	25 / 250

7914B-45

- For copper, brass, aluminum pipes
- Ergonomic handle design for comfortable operation
- Includes one piece spare cutting wheel & retractable deburring tool
- With four guide rollers
- Full-stop feed system prevents wheels and rollers from coming into contact
- Quick adjustment and easy to change the cutting wheel






KT NO.	inch	mm	max. (mm)	Overall length inch	Overall length mm	g	
7914B-45	1/8~1-3/4	3~45	1.2	6-3/4	172	568	6 / 36
7914A-0111			Spare cutting blade			13	25 / 250
7914B-4521			Spare deburring tool			3	1 / 500

7914C-70

- For copper, brass, aluminum pipes
- Ergonomic handle design for comfortable operation
- Includes one piece spare cutting wheel & retractable deburring tool
- With four guide rollers
- Full-stop feed system prevents wheels and rollers from coming into contact
- Quick adjustment and easy to change the cutting wheel

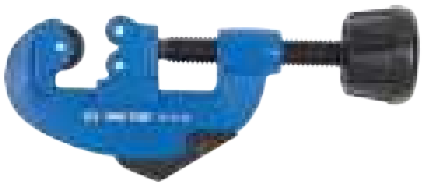




KT NO.	inch	mm	max. (mm)	Overall length inch	Overall length mm	g	
7914C-70	1/4~2-3/4	6~70	1.2	8-3/4	222	802	4 / 24
7914A-0111			Spare cutting blade			13	25 / 250
7914C-7021			Spare deburring tool			17	1 / 300

Tube Cutter for Steel

7915-30

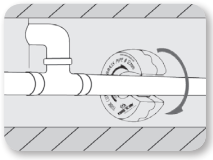


KT NO.	inch	mm	max. (mm)	Overall length inch	Overall length mm	g	
7915-30	1/8~1-1/8	3~30	1.2	5-1/2	140	231	1 / 20
7915-3011	Spare cutting blade					10	25 / 250

7916M

- For copper pipes
- Easy to use in restricted space
- Self-alignment for adjustment





- Ideal for hard to reach places



KT NO.	mm	max. (mm)	Overall length mm	g	
7916-12M	12	1.2	52	176	10 / 100
7916-15M	15	1.2	56	207	10 / 100
7916-21M	21	1.2	68	248	10 / 60
7916-22M	22	1.2	68	248	10 / 60
7916-0111	Spare cutting blade			11	25 / 250

7918

- For steel pipes
- Strong cast housing
- Extra-long shank provides for quick & easy adjustment
- Possible for large pipe sizes
- Perfectly balanced





KT NO.	inch	mm	max. (mm)	Overall length inch	Overall length mm	g	
7918-50	5/16~1-7/8	10~60	3	14-1/18	450	2215	1 / 8
7918-5011	Spare cutting blade					39	1 / 200
7918-A0	1-11/32~3-9/16	43~114	3	28-1/8	900	5020	1 / 4
7918-A011	Spare cutting blade					66	1 / 200

Tube Cutter for Soft Plastic Pipe

7913B-35

- For PVC, PP, PE, PEX, PB
- For soft plastic pipe
- Aluminum body
- One-hand operation
- Burr-free cutting
- Reversible blade





KT NO.	inch	mm	Overall length inch	Overall length mm	g	
7913B-35	1/8~1-3/8	3~35	8-1/4	211	215	20 / 60
7913B-3511	Spare cutting blade				36	1 / 100

Ratchet Tubing Cutter

7913

- For PVC, PP, PE, PEX, PB pipes
- Ratchet design for quick cutting





KT NO.	inch	mm	Overall length inch	Overall length mm	g	
7913-42	1/2~1-5/8	6~42	8	201	360	10 / 50
7913-4211	Spare cutting blade				60	10 / 200

2-in-1 Ratchet Tubing Cutter

7913A-63

- Easy one-hand operation
- Cut into thick pipe and thin pipe
- Easily apply for max. 63 O.D.
- Comfortable TPR handle
- For unitary material tube: PE, PP, PVDF, PB, PVC or similar tube
- Advanced tool steel blade and aluminum body
- Ratchet design for quick cutting



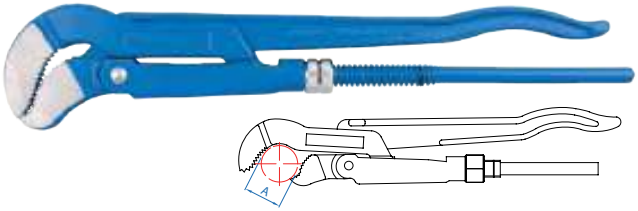
KT NO.	inch	mm	Overall length inch	Overall length mm	g	
7913A-63	1/4~2-1/2	6~63	11-1/2	293	802	6 / 24
7913A-6311	Spare cutting blade				190	1 / 100

S Type Pipe Wrench

6521

- For nuts, bolts, flat material
- A non-detachable adjusting nut with round thread ensures a wide adjustment
- For working in confined space



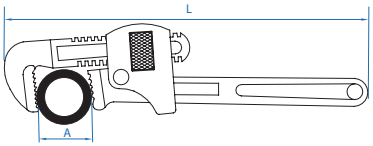


KT NO.	A mm	Size inch	Overall length inch	Overall length mm	g	
6521-09	13	1/2	9-1/4	235	415	1 / 20
6521-13	25	1	13	330	791	1 / 20
6521-16	38	1-1/2	16-1/2	420	1450	1 / 12
6521-21	51	2	21	535	2404	1 / 6
6521-26	76	3	25-5/8	652	5030	1 / 2

Pipe Wrench

6531

- Professional stillson type
- High quality steel



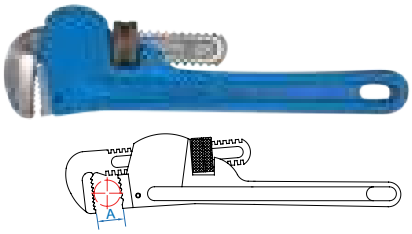


KT NO.	A inch	A mm	Overall length inch	Overall length mm	g	
6531-10	1-3/16	34	10	231	600	1 / 24
6531-12	1-9/16	42	12	271	780	1 / 24
6531-14	1-7/8	48	14	315	1050	1 / 12
6531-18	2-3/8	60	18	407	1720	1 / 12
6531-24	2-15/16	75	24	539	3150	1 / 6
6531-36	4	102	36	825	6280	1 / 2
6531-48	5-1/2	140	48	1034	9750	1 / 2

Pipe Wrench

6532

- Extra heavy straight type
- Forged parts tempered
- Teeth offset against direction of rotation and induction-hardened

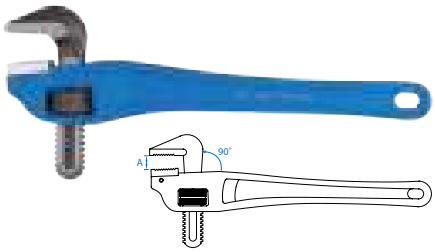


KT NO.	A mm	Overall length inch	Overall length mm	g	
6532-08	27	8	180	380	1 / 40
6532-10	30	10	245	700	1 / 20
6532-12	40	12	275	1050	1 / 20
6532-14	50	14	315	1340	1 / 12
6532-18	60	18	395	1960	1 / 12
6532-24	75	24	525	3640	1/ 6
6532-36	85	36	765	6300	1 / 2
6532-48	110	48	1025	9100	1 / 2

Aluminum Offset Pipe Wrench 90°

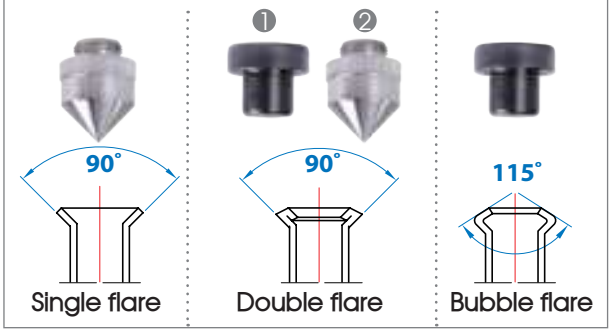
6541L

- Suitable for walls and floors, ceilings and other places beside the pipe work



KT NO.	A mm	Overall length inch	Overall length mm	g	
6541-14L	60	14	356	856	1 / 20
6541-18L	76	18	457	1486	1 / 10

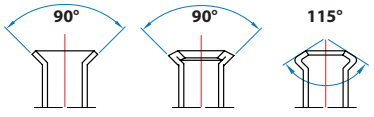
Type of the flares

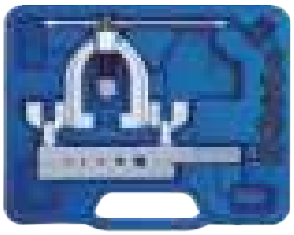


Flaring Tool Set

7CA0107M

- For producing precision flares on copper, brass, aluminium pipes up to 1 mm wall thickness
- Suitable for pipes in refrigeration, air conditioning



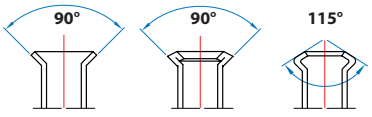


7 PC.

Contents		Kg 1.07	1 / 18
7CA22BP10M		4.75, 5, 6, 8, 10 mm	
7CA22BP01			
Adapters for expander		4.75, 5, 6, 8, 10 mm	

7CA0110S

- For producing precision flares on copper, brass, aluminium pipes up to 1 mm wall thickness
- Suitable for pipes in refrigeration, air conditioning





10 PC.

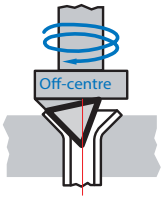
Contents		Kg 1.68	1 / 12
7915-30		3-30 mm 1/8~1-1/8"	
7CA22P20S		3/16", 1/4", 5/16", 3/8", 7/16",1/2", 5/8"	
7CA22P01			
Adapter for expander		3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 5/8"	

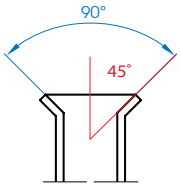
Eccentric Flare Tool

7CA21-24S

- Producing precision 45 ° single flares on R410A Refrigerant copper pipes
- Suitable for air conditioning, gas refrigeration & brake line
- 6 size flaring dies 1/4", 5/16", 3/8", 1/2", 5/8", 3/4"
- 45 ° angle eccentric cone type
- Forged aluminum alloy body
- Spring-loaded slide coupling prevents overload
- Reduces the amount of time to create a precise flare









KT NO.	Capacity inch	max. (mm)	Kg	
7CA21-24S	1/4, 5/16, 3/8, 1/2, 5/8, 3/4	1.2	1.56	1 / 12

Ratchet Pipe Threader Set

7CA0606S

- Use to thread pipe for attach fitting and connector
- Thread sizes:
  4pcs interchangeable dies 1/2", 3/4", 1" and 1-1/4"
- Ratchet threader assembly with extension handle



7CA0606S1



7 PC.

KT NO.	Thread Plug Gauge	Capacity	Contents				
							Kg 7.1 / 1 / 2
7CA0606S	BSPT	1/2"	7CA61-A01		7CA61-A011		7CA61P01
		3/4"	7CA61-A02		7CA61-A021		
		1"	7CA61-A03		7CA61-A031		7CA61P02
		1-1/4"	7CA61-A04		7CA61-A041		
7CA0606S1	NPT	1/2"	7CA61-B01		7CA61-B011		7CA61P03
		3/4"	7CA61-B02		7CA61-B021		
		1"	7CA61-B03		7CA61-B031		
		1-1/4"	7CA61-B04		7CA61-B041		

180° Tube Bender

7CA11-08

- Suitable for use in refrigeration and air-conditioning, oil supply, heating installations, floor heating
- For accurate bending up to 180° of pipes made of soft copper, brass, aluminium and precision steel
- Bending with the bending radius display and measurement scale



KT NO.	inch	mm	max. inch	max. mm	R(radius) mm	Overall length inch	Overall length mm	g	
7CA11-08	5/16	8	0.035	0.9	18	9	236	712	1 / 20

7CA11M







7CA11-10M / 7CA11-12S
7CA11-12M / 7CA11-16S

7CA11S



7CA11-15M / 7CA11-16M
7CA11-20S / 7CA11-24S

KT NO.	mm	max. (mm)	R(radius) inch	R(radius) mm	Overall length inch	Overall length mm	g	
7CA11-10M	10	0.9	15/16	24	13	334	964	1 / 20
7CA11-12M	12	1.2	1-1/2	38	20	493	1833	1 / 12
7CA11-15M	15	1.2	2-1/4	57	30	758	2832	1 / 8
7CA11-16M	16	1.2	2-1/4	57	30	758	2832	1 / 8

KT NO.	inch	max. (inch)	R(radius) inch	R(radius) mm	Overall length inch	Overall length mm	g	
7CA11-12S	3/8	0.035	15/16	24	13	334	964	1 / 20
7CA11-16S	1/2	0.049	1-1/2	38	20	493	1833	1 / 12
7CA11-20S	5/8	0.049	2-1/4	57	30	758	2832	1 / 6
7CA11-24S	3/4	0.049	3	76	30	758	3330	1 / 6

90° Tube Bender

7CA15-10M new

- 4 in 1 design, easy and quick to change the bend size
- Bend 5mm, 6mm, 8mm and 10mm outside diameter brass, copper, steel or aluminum tubing.
- Unique design allows bending in tight spaces
- Comfort grip handles reduce hand fatigue and slippage







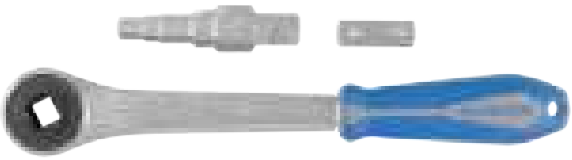


KT NO.	mm	max. (mm)	Overall length inch	Overall length mm	g	
7CA15-10M	5, 6, 8, 10	0.9	10-7/8	275	882	3 / 12

Stepped Ratchet Radiator key Set

7HA03

- Suitable for installation and removal of most radiator valves and tank connectors
- Key has fittings from small to large, stepped along the length of the key, for different internal hexagon and internal lug valve sizes
- 1/2"DR. ratchet makes installations quickly and easily
- 4724-11G can be used as general ratchet, DIN 3122, 11° gear action degree (32 teeth)









4724DK new



Hexagon A/F

Contents	0.74 kg / 1 / 24
	4724-11G
	7HA11
	4724-01



SCREWDRIVERS & L-WRENCHES & BITS

- Screwdriver
- Nut Spinner
- Bit
- Ratchet Screwdriver
- Power Driving
- L-wrenches
- Bicycle Repair Tool
- L-type & T-type Wrench
- Wing & Flag Handle torx Screwdriver




KING TONY

Screwdriver

- Shank material - SNCM - V alloy steel
- Grip material - PP + TPR
- Finishing - chrome plated with black tip

1421

- Phillips head, round shank
- DIN ISO 8764

KT NO.	No.	mm	inch	mm	g	
14210023	PH0	60	2-3/8	3.2	35	12 / 144
14210132	PH1	80	3-1/8	4.5	57	12 / 96
14210104	PH1	100	4	4.5	59	12 / 96
14210214	PH2	38	1-1/2	6.5	44	12 / 144
14210204	PH2	100	4	6.0	84	12 / 96
14210206	PH2	150	6	6.0	95	12 / 144
14210306	PH3	150	6	8.0	142	12 / 144



KT NO.	No.	mm	inch	mm	g	
14210112	PH1	300	12	4.5	85	12 / 96
14210212	PH2	300	12	6.0	127	12 / 96
14210116	PH1	400	16	4.5	93	12 / 96
14210216	PH2	400	16	6.0	150	12 / 96



1421xx12
1421xx16

1422

- Slotted head, round shank
- DIN ISO 2380

KT NO.	mm	inch	mm	mm	inch	mm	g	
14220303	3	1/8	0.5	75	3	3.2	38	12 / 144
14220404	4	5/32	0.8	100	4	4.0	56	12 / 96
14220503	5	3/16	0.8	75	3	5.0	60	12 / 96
14220504	5	3/16	0.8	100	4	5.0	62	12 / 96
14225503	5.5	7/32	1.0	75	3	5.0	71	12 / 96
14225504	5.5	7/32	1.0	100	4	5.0	75	12 / 96
14225505	5.5	7/32	1.0	125	5	5.0	78	12 / 144
14225506	5.5	7/32	1.0	150	6	5.0	82	12 / 144
14226514	6.5	1/4	1.2	38	1-1/2	6.5	44	12 / 144
14226504	6.5	1/4	1.2	100	4	6.0	84	12 / 96
14226506	6.5	1/4	1.2	150	6	6.0	94	12 / 144
14220806	8	5/16	1.2	150	6	8.0	141	12 / 144
14220807	8	5/16	1.2	175	7	8.0	153	12 / 144
14220808	8	5/16	1.2	200	8	8.0	163	12 / 144
14221008	10	3/8	1.6	200	8	10.0	212	12 / 72



KT NO.	mm	inch	mm	mm	inch	mm	g	
14220512	5	3/16	0.8	300	12	5.0	94	12 / 96
14220516	5	3/16	0.8	400	16	5.0	109	12 / 96
14226512	6.5	1/4	1.2	300	12	6.0	127	12 / 96
14226516	6.5	1/4	1.2	400	16	6.0	150	12 / 96



1422xx12
1422xx16

Screwdriver

KT No. & D1



- Shank material - SNCM - V alloy steel
- Grip material - PP + TPR
- Finishing - chrome plated with black tip

1423

- For torx head screw, round shank

14232010, 14232510, 14233010 at the dashboard, car body, engine compart ment as well as in industry.



KT NO.	Size	mm	inch	mm	g	
14230602	T6	48	2	3.2	35	12 / 144
14230702	T7	48	2	3.2	35	12 / 144
14230803	T8	75	3	3.2	38	12 / 144
14230903	T9	75	3	3.2	38	12 / 144
14231003	T10	75	3	3.2	38	12 / 144
14231503	T15	75	3	4.0	55	12 / 144
14231510	T15	250	10	5.0	86	12 / 96
14232004	T20	100	4	5.0	63	12 / 144
14232010	T20	250	10	5.0	86	12 / 96
14232504	T25	100	4	6.0	83	12 / 144
14232510	T25	250	10	6.0	117	12 / 96
14232704	T27	100	4	6.0	83	12 / 144
14233005	T30	125	5	6.0	89	12 / 144
14233010	T30	250	10	6.0	118	12 / 96
14234006	T40	150	6	8.0	142	12 / 144

1424

- Square head



KT NO.	Size	mm	inch	mm	g	
14240105	RB1	125	5	5.0	61	20 / 240
14240204	RB2	100	4	6.0	76	12 / 144
14240206	RB2	150	6	6.0	89	12 / 144

1427

- For torx head screw, round shank
- Tamper resistant type



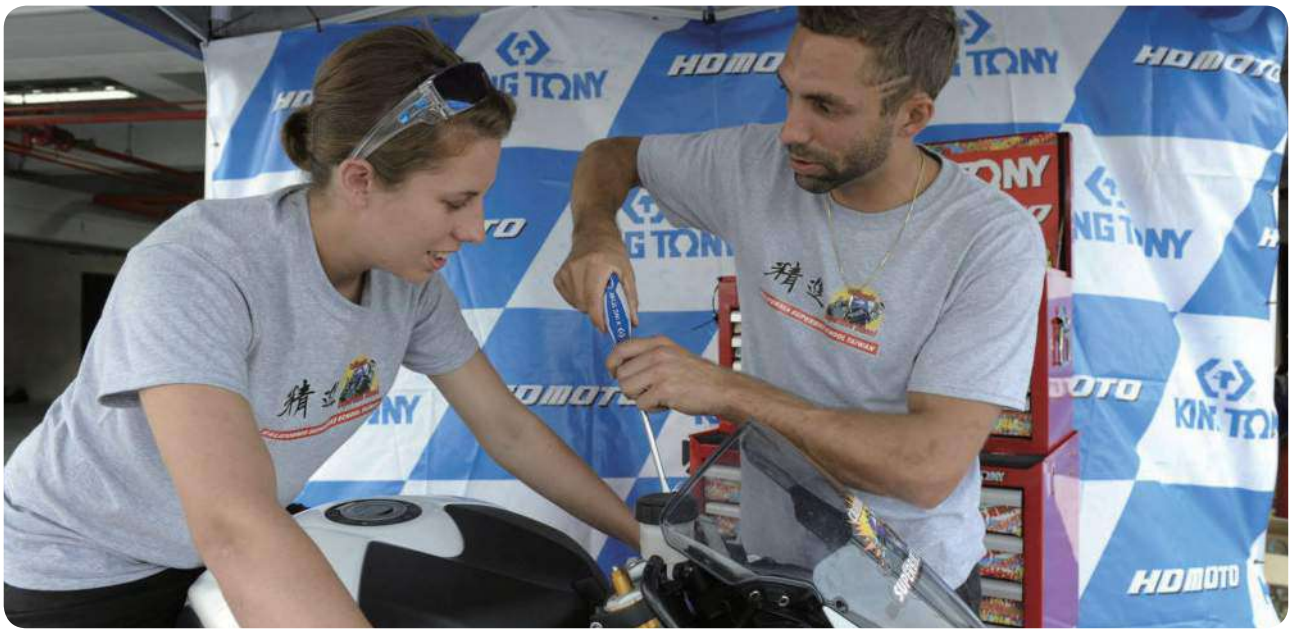
KT NO.	Size	mm	inch	mm	g	
14270803	T8H	75	3	3.2	38	12 / 144
14270903	T9H	75	3	3.2	38	12 / 144
14271003	T10H	75	3	3.2	38	12 / 144
14271503	T15H	75	3	4.0	55	12 / 144
14272004	T20H	100	4	5.0	53	12 / 144
14272504	T25H	100	4	6.0	83	12 / 144
14272704	T27H	100	4	6.0	83	12 / 144
14273005	T30H	125	5	6.0	89	12 / 144
14274006	T40H	150	6	8.0	142	12 / 144

1428

- Pozidriv head, round shank
- DIN ISO 8764



KT NO.	No.	mm	inch	mm	g	
14280023	PZ0	60	2-3/8	3.2	37	12 / 96
14280132	PZ1	80	3-1/8	4.5	56	12 / 96
14280104	PZ1	100	4	4.5	60	12 / 96
14280204	PZ2	100	4	6.0	84	12 / 96
14280306	PZ3	150	6	8.0	141	12 / 144



Screwdriver Set

- Shank material - SNCM - V alloy steel
- Grip material - PP + TPR
- Finishing - chrome plated with black tip



KT NO.	PC.	Contents	Kg	
31107MR	7	1421 PH0 x 60, PH1 x 80, PH1 x 100, PH2 x 38, PH2 x 100, PH2 x 150, PH3 x 150	0.70	1 / 20
30118MR	8	1422 3 x 75, 5 x 75, 5 x 100, 8 x 150, 8 x 200, 6.5 x 100, 6.5 x 150, 6.5 x 38	0.90	1 / 20
30115MR	5	1421 PH1 x 80, PH2 x 100 1422 4 x 100, 5.5 x 125, 6.5 x 150	0.54	1 / 20
31116MR	6	1421 PH0 x 60, PH1 x 80, PH2 x 100 1422 3 x 75, 5.5 x 100, 6.5 x 150	0.56	1 / 20
31216MR	6	1421 PH1 x 80, PH2 x 100 1422 5 x 75, 5 x 100, 6.5 x 100, 6.5 x 150	0.65	1 / 20
30117MR	7	1421 PH1 x 80, PH2 x 100 1422 3 x 75, 4 x 100, 5.5 x 125, 6.5 x 150, 8 x 175	0.77	1 / 20
33108MR	8	1421 PH0 x 60, PH1 x 100, PH2 x 100, PH2 x 38 1422 3 x 75, 5.5 x 100, 6.5 x 38, 6.5 x 100	1.30	1 / 10
30127MR	7	1428 PZ1 x 80, PZ2 x 100, PZ3 x 150 1422 4 x 100, 5.5 x 125, 6.5 x 150, 8 x 175	0.82	1 / 20
30315PR	5	1423 T15 x 75, T20 x 100, T25 x 100, T27 x 100, T30 x 125	0.37	1 / 20
30316PR	6	1423 T10 x 75, T15 x 75, T20 x 100, T25 x 100, T30 x 125, T40 x 150	0.48	1 / 20
30317PR	7	1423 T10 x 75, T15 x 75, T20 x 100, T25 x 100, T27 x 100, T30 x 125, T40 x 150	0.78	1 / 20
30319PR	9	1427 T8 x 75, T9 x 75, T10 x 75, T15 x 75, T20 x 100, T25 x 100, T27 x 100, T30 x 125, T40 x 150	0.88	1 / 20
30307PR	7	1427 10H x 75, T15H x 75, T20H x 100, T25H x 100, T27H x 100, T30H x 125, T40H x 150	0.78	1 / 20
30309PR	9	1427 T8H x 75, T9H x 75, T10H x 75, T15H x 75, T20H x 100, T25H x 100, T27H x 100, T30H x 125, T40H x 150	0.88	1 / 20

Screwdriver & Set

KT No. & D1



- Shank material - S2 alloy steel
- Grip material - PP + TPR
- Finishing - Magnet chrome plated with black tip

14A1

- Phillips head, round shank
- DIN ISO 8764

KT NO.	No.	mm	inch	mm	g	
14A10132	PH1	80	3-1/8	5.0	60	12 / 96
14A10214	PH2	38	1-1/2	6.0	45	12 / 144
14A10204	PH2	100	4	6.0	88	12 / 96
14A10306	PH3	150	6	8.0	144	12 / 144



14A2

- Slotted head, round shank
- DIN ISO 2380

KT NO.	mm	inch	mm	mm	inch	mm	g	
14A20303	3	1/8	0.6	75	3	3.0	37	12 / 144
14A20404	4	5/32	0.8	100	4	4.0	56	12 / 96
14A25504	5.5	5/32	1.0	100	4	5.5	82	12 / 96
14A25505	5.5	7/32	1.0	125	5	5.5	86	12 / 144
14A26514	6.5	1/4	1.2	38	1-1/2	6.5	47	12 / 144
14A26506	6.5	1/4	1.2	150	6	6.5	105	12 / 144
14A20808	8	5/16	1.6	200	8	8.0	166	12 / 144



14A8

- Pozidriv head, round shank
- DIN ISO 8764

KT NO.	No.	mm	inch	mm	g	
14A80132	PZ1	80	3-1/8	5.0	60	12 / 96
14A80204	PZ2	100	4	6.0	89	12 / 96





KT NO.	PC.		Contents	Kg	
30106AMRB	6	14A1	PH1 x 80, PH2 x 100	0.56	1 / 12
		14A2	3 x 75, 4 x 100, 5.5 x 125, 6.5 x 150		
30116AMRB	6	14A8	PZ1 x 80, PZ2 x 100	0.56	1 / 12
		14A2	3 x 75, 4 x 100, 5.5 x 125, 6.5 x 150		
30107AMRB	7	14A1	PH1 x 80, PH2 x 100, PH3 x 150	0.82	1 / 12
		14A2	3 x 75, 4 x 100, 5.5 x 125, 6.5 x 150		

Screwdriver & Set

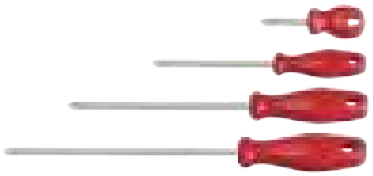
- Shank material - Chrome vanadium alloy steel
- Grip material - PP
- Finishing - chrome plated

1411

- Phillips head, round shank
- DIN ISO 8764

KT NO.	No.	mm	inch	mm	g	
14110003	PH0	75	3	3.0	27	12 / 240
14110104	PH1	100	4	5.0	41	12 / 240
14110214	PH2	38	1-1/2	6.5	30	12 / 144
14110204	PH2	100	4	6.0	70	12 / 96
14110204-E*	PH2	100	4	6.0	84	12 / 96
14110205-E*	PH2	125	5	6.0	114	12 / 144
14110206	PH2	150	6	6.0	82	12 / 144
14110206-E*	PH2	150	6	6.0	96	12 / 144
14110208-E*	PH2	200	8	6.0	137	12 / 144
new 14110210	PH2	250	10	6.0	107	12 / 96
14110306	PH3	150	6	8.0	126	12 / 144
14110308	PH3	200	8	8.0	146	12 / 144

* Enlarged handle

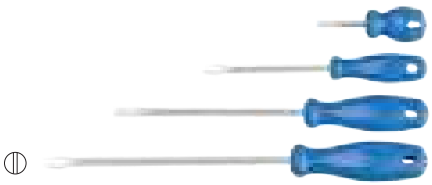


1412

- Slotted head, round shank
- DIN ISO 2380

KT NO.	mm	inch	mm	mm	inch	mm	g	
14120303	3.0	1/8	0.5	75	3	3.0	27	12 / 240
14120404	4.0	5/32	0.8	100	4	4.0	33	12 / 240
14125504	5.5	7/32	0.8	100	4	5.0	41	12 / 240
14126514	6.5	1/4	1.2	38	1-1/2	6.5	30	12 / 144
14126504	6.5	1/4	1.2	100	4	6.0	70	12 / 96
14126504-E*	6.5	1/4	1.2	100	4	6.0	107	12 / 96
14126506	6.5	1/4	1.2	150	6	6.0	79	12 / 144
14126506-E*	6.5	1/4	1.2	150	6	6.0	124	12 / 144
14120806	8.0	5/16	1.2	150	6	8.0	124	12 / 144
14120808	8.0	5/16	1.2	200	8	8.0	146	12 / 144

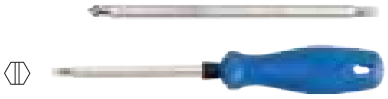
* Enlarged handle



2411

- Two-way screwdriver hex shank

KT NO.	No.	mm	mm	mm	inch	g	
24110204	PH2	7	1.2	100	4	89	20 / 240
24110214	PH2	7	1.2	38	1-1/2	42	20 /240



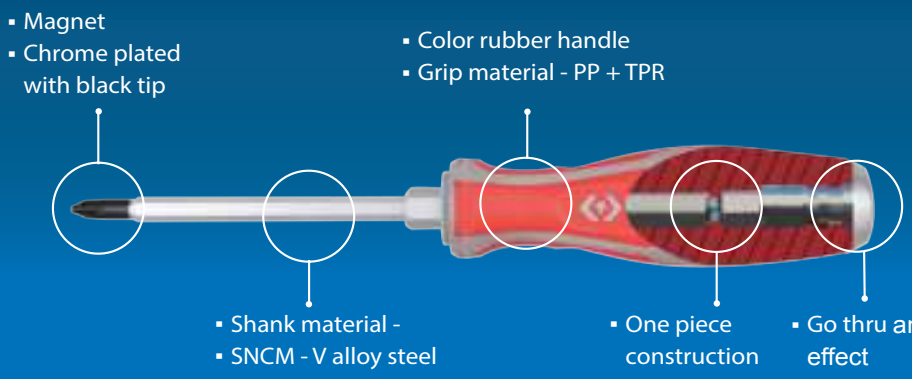
24110204



24110214

KT NO.	PC.	Contents	Kg	
35105MR	5	1411 PH1 x 100, PH2 x 100 1412 4 x 100, 5.5 x 100, 6.5 x 150	0.54	1 / 20
35116MR01	6	1411 PH1 x 100, PH2 x 100, PH3 x 150 1412 4 x 100, 5.5 x 100, 6.5 x 150	0.65	1 / 20
35107MR	7	1411 PH1 x 100, PH2 x 100, PH3 x 150 1412 4 x 100, 5.5 x 100, 6.5 x 150, 8 x 150	0.72	1 / 20





Go Thru Screwdriver & Set

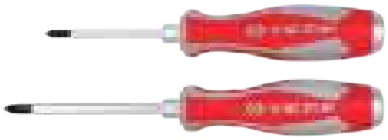
KT No. & D1

- Shank material - SNCM - V alloy steel
- Grip material - PP + TPR
- Finishing - chrome plated with black tips

1461

▪ Phillips head, hex-shank
▪ DIN ISO 8764

KT NO.	No.	mm	inch	mm	g	
14610103	PH1	75	3	5.0	120	12 / 96
14610204	PH2	100	4	6.0	134	12 / 96
14610206	PH2	150	6	6.0	144	12 / 144
14610306	PH3	150	6	8.0	219	12 / 96



1462

▪ Slotted head, hex-shank
▪ DIN ISO 2380

KT NO.	mm	inch	mm	mm	inch	mm	g	
14625504	5.5	7/32	1.0	100	4	5.0	123	12 / 96
14626504	6.5	1/4	1.2	100	4	6.0	134	12 / 96
14626506	6.5	1/4	1.2	150	6	6.0	146	12 / 144
14620806	8.0	5/16	1.2	150	6	8.0	219	12 / 144
14620807	8.0	5/16	1.2	175	7	8.0	228	12 / 96
14621008	10.0	3/8	1.6	200	8	10.0	310	12 / 72
14621012	10.0	3/8	1.6	300	12	10.0	378	10 / 60
14621210	12.0	15/32	2.0	250	10	10.0	346	10 / 40



30206MR

Contents — Kg 1.20 — 1 / 20

1461	PH1 x 75, PH2 x 100, PH3 x 150
1462	5.5 x 100, 6.5 x 150, 8.0 x 175



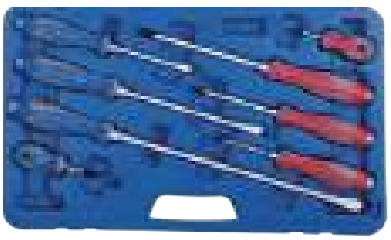
6 PC.

35208MR

Blow case size (mm) :
430 x 300 x 50 (1.29 cuft)

Contents — Kg 2.16 — 1 / 4

1461	PH1 x 75, PH2 x 100, PH3 x 150
1462	6.5 x 100, 8.0 x 175, 10 x 300
1421	PH2 x 38
1422	6.5 x 38



8 PC.

Go Thru Screwdriver & Set

- Shank material - S2 alloy steel
- Grip material - PP + TPR
- Finishing - Magnet chrome plated with black tip

14B1

- Phillips head, hex-shank
- DIN ISO 8764

KT NO.	No.	mm	inch	mm		
14B10103	PH1	75	3	5.0	130	12 / 96
14B10204	PH2	100	4	6.0	134	12 / 96
14B10206	PH2	150	6	6.0	145	12 / 144
14B10306	PH3	150	6	8.0	241	12 / 96



14B2

- Slotted head, hex-shank
- DIN ISO 2380

KT NO.	mm	inch	mm	mm	inch	mm		
14B25504	5.5	7/32	1.0	100	4	5.5	139	12 / 96
14B26506	6.5	1/4	1.2	150	6	6.5	164	12 / 144
14B20807	8.0	5/16	1.6	175	7	8.0	252	12 / 96



30206AMRB

Contents — 1.20 kg — 1 / 12

14B1	PH1 x 75, PH2 x 100, PH3 x 150
14B2	5.5 x 100, 6.5 x 150, 8.0 x 175



6 PC.

Go Thru Screwdriver

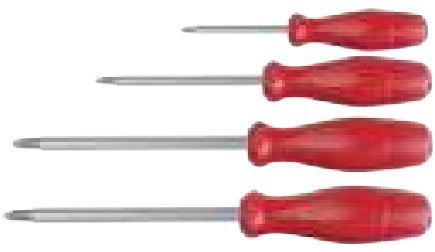
- Shank material - Chrome vanadium alloy steel
- Grip material - PP
- Finishing - chrome plated

1481

- Phillips head, hex-shank
- DIN ISO 8764

KT NO.	No.	mm	inch	mm		
14810103	PH1	75	3	5.0	48	12 / 240
14810204	PH2	100	4	6.0	86	12 / 144
14810204-E*	PH2	100	4	6.0	130	12 / 96
14810205	PH2	125	5	6.0	94	12 / 144
14810205-E*	PH2	125	5	6.0	170	12 / 144
14810306	PH3	150	6	8.0	170	12 / 144
14810412	PH4	300	12	10.0	362	10 / 40

* Enlarged handle



Go Thru Screwdriver & Set

KT No. & D1

- Shank material - Chrome vanadium alloy steel
- Grip material - PP
- Finishing - chrome plated

1482

- Slotted head, hex-shank
- DIN ISO 2380

KT NO.	mm	inch	mm	mm	inch	mm	g	
14825503	5.5	7/32	0.8	75	3	5.0	50	12 / 240
14826504	6.5	1/4	1.2	100	4	6.0	88	12 / 144
14826504-E*	5.5	1/4	1.2	100	4	6.0	130	12 / 96
14826505-E*	6.5	1/4	1.2	125	5	6.0	170	12 / 144
14826506	6.5	1/4	1.2	150	6	6.0	120	12 / 144
14820806	8.0	5/16	1.2	150	6	8.0	169	12 / 144
14821012	10.0	12/32	1.6	300	12	10.0	322	10 / 40

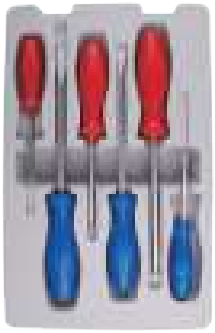
* Enlarged handle



36206MR

Contents — 0.97 kg — 1 / 20

1481	PH1 x 75, PH2 x 100, PH3 x 150
1482	5.5 x 75, 6.5 x 150, 8.0 x 150



6 PC.

35114MR

- Standard & insulated & go thru screwdriver set

35114MR01



14 PC.

Contents — 2.40 kg — 1 / 4

KT NO.			Contents	
35114MR	1472	6.5 x 150	1411	PH0 x 75, PH1 x 100, PH2 x 100, PH2 x 150, PH2 x 38, PH3 x 150
			1412	3 x 75, 4 x 100, 5.5 x 100, 6.5 x 150, 6.5 x 38, 8 x 200
35114MR01	1478	PZ2 x 100	1482	10 x 300

Screwdriver Set

31416MR

- Standard screwdriver set

KT NO.	Contents		Each Q'ty
31416MR	⊕ 1421	PH0 x 60, PH1 x 80, PH1 x 100, PH2 x 38, PH2 x 100, PH2 x 150, PH3 x 150	6
	⊖ 1422	3.0 x 75, 4.0 x 100, 5.5 x 75, 5.5 x 100, 5.5 x 125, 6.5 x 38, 6.5 x 100, 6.5 x 150, 8.0 x 150	



96 PC.

Screwdriver shelf size (mm) : 600 x 240 x 210

KT NO.	Kg	CUFT
31416MR-A	3.30	1.97
31416MR-D	6.20	0.71

31516MR

- Standard & go thru screwdriver set

KT NO.	Contents		Each Q'ty
31516MR	1427	T8H x 75, T9H x 75, T10H x 75, T15H x 75, T20H x 100, T25H x 100, T27H x 100, T30H x 125, T40H x 150	6
	⊕ 1461	PH1 x 75, PH2 x 100, PH3 x 150	
	⊖ 1462	5.5 x 100, 6.5 x 100, 6.5 x 150, 8.0 x 175	



96 PC.

Screwdriver shelf size (mm) : 600 x 240 x 210

KT NO.	Kg	CUFT
31516MR-A	3.30	1.97
31516MR-D	10.10	0.71

31519MR

- Standard Screwdriver set

KT NO.	Contents		Each Q'ty
31519MR	⊕ 1411	PH0 x 75, PH1 x 100, PH2 x 100, PH2 x 100E*, PH2 x 150, PH2 x 150E*, PH2 x 38, PH3 x 150, PH3 x 200	6
	⊖ 1412	3.0 x 75, 4.0 x 100, 5.5 x 100, 6.5 x 100, 6.5 x 150, 6.5 x 100E*, 6.5 x 38, 8 x 150, 8 x 200, 6.5 x 150E*	

* Enlarged handle



114 PC.

Screwdriver shelf size (mm) : 650 x 250 x 210

KT NO.	Kg	CUFT
31519MR-A	3.50	1.97
31519MR-D	10.34	0.71

31512MR 31512MR01

- Standard & go thru screwdriver set

KT NO.	Contents			Each Q'ty
31512MR	⊕ 1481	PH2 x 125	⊕⊖ PH2 x 100 24110204	6
	⊖ 1482	6.5 x 150	⊕⊖ PH2 x 38 24110214	
31512MR01	⊕ 1481	PH2 x 125E*	⊕ 1481 PH2 x 100, PH1 x 75, PH2 x 100E*, PH3 x 150	
	⊖ 1482	6.5 x 125E*	⊖ 1482 5.5 x 75, 6.5 x 100, 6.5 x 100E*, 8 x 150	



72 PC.

Screwdriver shelf size (mm) : 420 x 250 x 210

KT NO.	Kg	CUFT
31512MR-A	2.47	0.78
31512MR-D	8.23	0.71
31512MR01-A	3.50	1.50
31512MR01-D	7.86	0.38

Screwdriver Display

87104

- Overall size -W 325 x D 205 x H 270 mm
- Weight - 1.4 Kg / Cuft - 0.3



Interchangeable Handle

91232



KT NO.	mm	inch	g	
91232	135	5-1/4	84	12 / 144

Power Bit

1317

- Bits for screwdriver handle 91232
- Material - SNCM - V alloy steel

KT NO.	Size		mm	inch	g	
1317012PN	PH1	PH2	175	7	45	40 / 400
1317012ZN	PZ2	PZ1	175	7	45	40 / 400
1317046SN	4.0	6.0	175	7	45	40 / 400
1317057SN	5.0	7.0	175	7	45	40 / 400
1317115TN	T10	T15	175	7	45	40 / 400
1317225TN	T20	T25	175	7	45	40 / 400
1317340TN	T30	T40	175	7	45	40 / 400
1317401PN	4.0	PH1	175	7	45	40 / 400
131744BHN	B4	H4	175	7	45	40 / 400
1317501ZN	5.0	PZ1	175	7	45	40 / 400
131755BHN	B5	H5	175	7	45	40 / 400
1317602PN	6.0	PH2	175	7	45	40 / 400
131766BHN	B6	H6	175	7	45	40 / 400
1317702ZN	7.0	PZ2	175	7	45	40 / 400



- Shank material - SNCM - V alloy steel
- Grip material - PP + TPR
- Shank finishing - chrome plated

Screwdriver Set

32518MR

- Two-way screwdriver set

Contents				0.70 kg	1 / 20
1317012PN	PH1		PH2		
1317012ZN	PZ2		PZ1		
1317046SN	4.0		6.0		
1317057SN	5.0		7.0		
1317115TN	T10		T15		
1317225TN	T20		T25		
1317340TN	T30		T40		
131744BHN	B4		H4		
131755BHN	B5		H5		
131766BHN	B6		H6		
91232					



11 PC.

Blow case size (mm) : 233 x 120 x 43 (0.04cuft)

Screwdriver Set

32518MR01

- Two-way screwdriver set



11 PC.

Blow case size (mm) : 233 x 120 x 43 (0.04cuft)

Contents					0.76	1 / 20
1317115TN	T10			T15		
1317225TN	T20			T25		
1317340TN	T30			T40		
1317401PN	4.0			PH1		
131744BHN	B4			H4		
1317501ZN	5.0			PZ1		
131755BHN	B5			H5		
1317602PN	6.0			PH2		
131766BHN	B6			H6		
1317702ZN	7.0			PZ2		
91232						

32518MR02

- Two-way screwdriver set



11 PC.

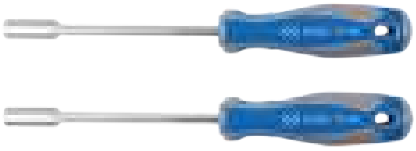
Blow case size (mm) : 233 x 120 x 43 (0.04cuft)

Contents					0.70	1 / 20
1317115TN	T10			T15		
1317225TN	T20			T25		
1317340TN	T30			T40		
1317401PN	4.0			PH1		
131744BHN	B4			H4		
1317012PN	PH1			PH2		
131755BHN	B5			H5		
1317602PN	6.0			PH2		
131766BHN	B6			H6		
1317057SN	5.0			7.0		
91232						

Nut Spinner

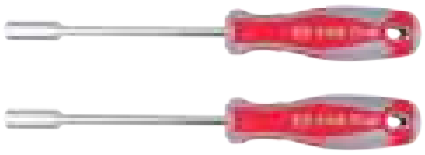
- Shank material - chrome vanadium alloy steel
- Grip material - PP + TPR
- Finishing - chrome plated

1450



KT NO.	mm	mm	mm	mm	g	
1450-04	4.0	4.5	125	225	74	12 / 144
1450-45	4.5	4.5	125	225	76	12 / 144
1450-05	5.0	5.0	125	225	75	12 / 144
1450-55	5.5	5.0	125	225	81	12 / 144
1450-06	6.0	6.0	125	225	81	12 / 144
1450-07	7.0	6.0	125	235	103	12 / 144
1450-08	8.0	7.0	125	235	108	12 / 144
1450-09	9.0	7.0	125	235	110	12 / 144
1450-10	10.0	8.0	125	235	114	12 / 144
1450-11	11.0	9.0	125	245	166	12 / 144
1450-12	12.0	10.0	125	245	168	12 / 144
1450-13	13.0	10.0	125	245	173	10 / 120

5450



KT NO.	inch	mm	mm	mm	g	
5450-08	1/4	12.0	125	223	80	12 / 144
5450-10	5/16	8.2	125	223	105	12 / 144

Flexible Nut Spinner

1453

- For the hose clamps on radiator hoses

KT NO.	mm	mm	mm	mm	g	
1453-05	5	14.3	190	300	136	12 / 144
1453-06	6	14.1	190	300	135	12 / 144
1453-07	7	14.5	190	300	134	12 / 144
1453-08	8	13.2	190	300	133	12 / 144
1453-10	10	12.7	190	300	132	12 / 144



Bit

- Silicon chrome vanadium alloy steel (S2)
- Anti-rust oiled, sand-blasted
- Total length : 25 mm



Item No.xxxxxxx.B



order unit :one box

1/4" Hex size shank driver

1025P

- DIN ISO 2351-2



KT NO.	No.	g	
102500P (102500P.B)	PH0	5	20 / 300 (50 / 1000)
102501P (102501P.B)	PH1	5	
102502P (102502P.B)	PH2	6	
102503P (102503P.B)	PH3	6	
102504P (102504P.B)	PH4	6	

102512P

- Reduced for dry-wall
- DIN ISO 2351-2



KT NO.	No.	g	
102512P (102512P.B)	PH2	6	20 / 300 (50 / 1000)

1025S

- DIN ISO 2351-1



KT NO.	Tip width (mm)	Tip thickness (mm)	g	
102503S1 (102503S1.B)	3.0	0.5	5	20 / 300 (50 / 1000)
102535S1 (102535S1.B)	3.5	0.6	5	
102504S1 (102504S1.B)	4.0	0.5	5	
102504S2 (102504S2.B)	4.0	0.8	5	
102545S1 (102545S1.B)	4.5	0.6	5	
102505S1 (102505S1.B)	5.0	0.8	5	
102555S1 (102555S1.B)	5.5	0.8	5	
102555S2 (102555S2.B)	5.5	1.0	5	
102506S1 (102506S1.B)	6.0	1.0	5	
102565S1 (102565S1.B)	6.5	1.2	6	
102507S1 (102507S1.B)	7.0	1.2	6	
102508S1 (102508S1.B)	8.0	1.2	6	
102508S2 (102508S2.B)	8.0	1.6	6	

1025H 5025H

- DIN ISO 2351-3



KT NO.	mm	g	
102515H (102515H.B)	H1.5	4	20 / 300 (50 / 1000)
102502H (102502H.B)	H2	5	
102525H (102525H.B)	H2.5	5	
102503H (102503H.B)	H3	5	
102504H (102504H.B)	H4	6	
102505H (102505H.B)	H5	6	
102506H (102506H.B)	H6	6	
102507H (102507H.B)	H7	8	
102508H (102508H.B)	H8	9	
102510H (102510H.B)	H10	12	

KT NO.	inch	g	
502503H (502503H.B)	3/64	4	20 / 300 (50 / 1000)
502504H (502504H.B)	1/16	4	
502505H (502505H.B)	5/64	5	
502506H (502506H.B)	3/32	5	
502507H (502507H.B)	7/64	5	
502508H (502508H.B)	1/8	5	
502509H (502509H.B)	9/64	5	
502510H (502510H.B)	5/32	5	

1025T

- For torx head screw



KT NO.	Size	g	
102506T (102506T.B)	T6	5	20 / 300 (50 / 1000)
102507T (102507T.B)	T7	5	
102508T (102508T.B)	T8	5	
102509T (102509T.B)	T9	5	
102510T (102510T.B)	T10	5	
102515T (102515T.B)	T15	5	
102520T (102520T.B)	T20	5	
102525T (102525T.B)	T25	5	
102527T (102527T.B)	T27	5	
102530T (102530T.B)	T30	5	
102535T (102535T.B)	T35	6	
102540T (102540T.B)	T40	6	
102545T (102545T.B)	T45	7	
102550T (102550T.B)	T50	8	

1025U

- For torx head screw
- Tamper resistant type



KT NO.	Size	g	
102507U (102507U.B)	T7H	4	20 / 300 (50 / 1000)
102508U (102508U.B)	T8H	5	
102509U (102509U.B)	T9H	5	
102510U (102510U.B)	T10H	5	
102515U (102515U.B)	T15H	5	
102520U (102520U.B)	T20H	5	
102525U (102525U.B)	T25H	5	
102527U (102527U.B)	T27H	5	
102530U (102530U.B)	T30H	6	
102540U (102540U.B)	T40H	6	

1025M

- DIN 65254



KT NO.	size	g	
102504M	M4	5	20 / 300
102505M	M5	5	
102506M	M6	6	
102508M	M8	7	
102510M	M10	10	

1025V

- For inside 5-star screw
- Tamper resistant type



KT NO.	Size	g	
102508V	IPR 8	5	20 / 300
102509V	IPR 9	5	
102510V	IPR 10	5	
102515V	IPR 15	5	
102520V	IPR 20	5	
102525V	IPR 25	5	
102527V	IPR 27	5	
102530V	IPR 30	5	
102540V	IPR 40	6	

Bit

- Silicon chrome vanadium alloy steel (S2)
- Anti-rust oiled, sand-blasted

1/4" Hex size shank driver



order unit : one blister card



Item No.xxxxxxx.B

5/16" Hex size shank driver



order unit : one box

1025Z

- Pozidriv type
- DIN ISO 2351-2



KT NO.	No.	g	
102501Z (102501Z.B)	PZ1	5	20 / 300 (50 / 1000)
102502Z (102502Z.B)	PZ2	6	
102503Z (102503Z.B)	PZ3	6	

1025R



KT NO.	Size	g	
102500R (102500R.B)	RB0	5	20 / 300 (50 / 1000)
102501R (102501R.B)	RB1	5	
102502R (102502R.B)	RB2	6	
102503R (102503R.B)	RB3	6	

1360Z



KT NO.	No.	Overall length (mm)	g	
1360012Z	PZ1 / PZ2	60	13	10 / 150
1360022Z	PZ2 / PZ2	60	14	
1360023Z	PZ2 / PZ3	60	14	

1360Z



KT NO.	No.	Tip width (mm)	Tip thickness (mm)	Overall length (mm)	g	
1360451Z	PZ1	4.5	0.6	60	13	10 / 150
1360552Z	PZ2	5.5	1.0	60	14	10 / 150

1360P



KT NO.	No.	Overall length (mm)	g	
1360012P	PH1 / PH2	60	13	10 / 150
1360022P	PH2 / PH2	60	14	
1360023P	PH2 / PH3	60	14	

1360P



KT NO.	No.	Tip width (mm)	Tip thickness (mm)	Overall length (mm)	g	
1360451P	PH1	4.5	0.6	60	13	10 / 150
1360552P	PH2	5.5	0.8	60	14	
1360703P	PH3	7.0	1.2	60	14	

1800P

- 36 / 80 / 125mmL
- DIN ISO 2251-2



KT NO.	No.	Overall length (mm)	g	
183601P	PH1	36	12	20 / 300
183602P	PH2	36	12	20 / 300
183603P	PH3	36	12	20 / 300
183604P	PH4	36	12	20 / 300
188002P	PH2	80	31	10 / 150
188003P	PH3	80	31	10 / 150
188004P	PH4	80	31	10 / 150
181202P	PH2	125	50	10 / 150
181203P	PH3	125	50	10 / 150

1800S

- 36 / 80mmL
- DIN ISO 2351-1



KT NO.	Tip width (mm)	Tip thickness (mm)	Overall length (mm)	g	
183608S	8	1.2	36	12	20 / 300
183609S	9	1.6	36	13	20 / 300
183610S	10	1.6	36	15	20 / 240
183611S	11	2.0	36	16	20 / 240
183612S	12	2.0	36	18	12 / 120
183614S	14	2.0	36	21	12 / 120
188008S	8	1.2	80	32	10 / 150
188010S	10	1.6	80	33	10 / 120
188012S	12	2.0	80	34	6 / 60

1800H

- 32 / 36 mmL



KT NO.	mm	Overall length (mm)	g	
183203H	H3	32	9	20 / 300
183204H	H4	32	10	20 / 300
183205H	H5	32	10	20 / 300
183206H	H6	32	11	20 / 300
183207H	H7	32	12	20 / 300
183208H	H8	32	13	20 / 300
183210H	H10	32	17	20 / 240
183212H	H12	32	22	12 / 120
183604H	H4	36	11	20 / 300
183605H	H5	36	12	20 / 300
183606H	H6	36	13	20 / 300
183607H	H7	36	14	20 / 300
183608H	H8	36	15	20 / 300
183610H	H10	36	19	20 / 240
183612H	H12	36	25	12 / 120
183614H	H14	36	31	12 / 120

Bit

- Silicon chrome vanadium alloy steel (S2)
- Anti-rust oiled, sand-blasted

5/16" Hex size shank driver



order unit : one box

10mm Hex size shank driver



order unit : one blister card

1800T

- For torx internal screws
  32 / 36 / 70 mmL



KT NO.	Size	Overall length (mm)	g	
183215T	T15	32	10	20 / 300
183220T	T20	32	10	20 / 300
183225T	T25	32	10	20 / 300
183227T	T27	32	11	20 / 300
183230T	T30	32	11	20 / 300
183240T	T40	32	11	20 / 300
183245T	T45	32	11	20 / 300
183250T	T50	32	11	20 / 300
183620T	T20	36	11	20 / 300
183625T	T25	36	11	20 / 300
183627T	T27	36	11	20 / 300
183630T	T30	36	12	20 / 300
183635T	T35	36	12	20 / 300
183640T	T40	36	13	20 / 300
183645T	T45	36	13	20 / 300
183650T	T50	36	14	20 / 300
183655T	T55	36	19	20 / 240
183660T	T60	36	22	12 / 120
187015T	T15	70	22	10 / 150
187020T	T20	70	22	10 / 150
187025T	T25	70	22	10 / 150
187027T	T27	70	22	10 / 150
187030T	T30	70	22	10 / 150
187040T	T40	70	22	10 / 150
187045T	T45	70	22	10 / 150
187050T	T50	70	22	10 / 150

1836Z

- 36 mmL



KT NO.	No.	Overall length (mm)	g	
183602Z	PZ2	36	12	20 / 300
183603Z	PZ3	36	12	20 / 300
183604Z	PZ4	36	13	20 / 300

1600H

- 36 / 80mmL



1636xxH



1680xxH

KT NO.	mm	Overall length (mm)	g	
163604H	H4	36	17	12 / 144
163605H	H5	36	19	12 / 144
163606H	H6	36	19	12 / 144
163607H	H7	36	20	12 / 144
163608H	H8	36	21	12 / 144
163609H	H9	36	23	12 / 144
163610H	H10	36	24	12 / 144
163612H	H12	36	31	12 / 120
168004H	H4	80	47	6 / 72
168005H	H5	80	48	6 / 72
168006H	H6	80	49	6 / 72
168007H	H7	80	50	6 / 72
168008H	H8	80	51	6 / 72
168009H	H9	80	52	6 / 72
168010H	H10	80	54	6 / 72
168012H	H12	80	73	6 / 60

1600T

- For torx head screw
- 36 / 80mmL



1636xxT



1680xxT

KT NO.	Size	Overall length (mm)	g	
163610T	T10	36	17	12 / 144
163615T	T15	36	17	12 / 144
163620T	T20	36	18	12 / 144
163625T	T25	36	18	12 / 144
163627T	T27	36	18	12 / 144
163630T	T30	36	18	12 / 144
163640T	T40	36	20	12 / 144
163645T	T45	36	21	12 / 144
163650T	T50	36	23	12 / 144
163655T	T55	36	28	12 / 144
163660T	T60	36	33	12 / 120
168010T	T10	80	46	6 / 72
168015T	T15	80	47	6 / 72
168020T	T20	80	47	6 / 72
168025T	T25	80	47	6 / 72
168027T	T27	80	47	6 / 72
168030T	T30	80	47	6 / 72
168040T	T40	80	48	6 / 72
168045T	T45	80	49	6 / 72
168050T	T50	80	50	6 / 72
168055T	T55	80	52	6 / 72
168060T	T60	80	70	6 / 60

Bit

- Silicon chrome vanadium alloy steel (S2)
- Anti-rust oiled, sand-blasted

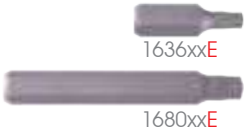
10mm Hex size shank driver



order unit : one blister card

1600E

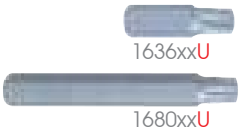
- For torx Plus head screw
- 36 / 80mmL



KT NO.	Size	Overall length (mm)	g	
163610E	IP10	36	15	12 / 144
163615E	IP15	36	16	12 / 144
163620E	IP20	36	16	12 / 144
163625E	IP25	36	16	12 / 144
163627E	IP27	36	17	12 / 144
163630E	IP30	36	17	12 / 144
163640E	IP40	36	18	12 / 144
163645E	IP45	36	20	12 / 144
163650E	IP50	36	21	12 / 144
163655E	IP55	36	25	12 / 144
163660E	IP60	36	31	12 / 120
168010E	IP10	80	45	6 / 72
168015E	IP15	80	45	6 / 72
168020E	IP20	80	45	6 / 72
168025E	IP25	80	46	6 / 72
168027E	IP27	80	46	6 / 72
168030E	IP30	80	47	6 / 72
168040E	IP40	80	48	6 / 72
168045E	IP45	80	49	6 / 72
168050E	IP50	80	50	6 / 72
168055E	IP55	80	60	6 / 72
168060E	IP60	80	79	6 / 60

1600U

- For torx head screw
- Tamper resistant type
- 36 / 80mmL



KT NO.	Size	Overall length (mm)	g	
163610U	T10H	36	17	12 / 144
163615U	T15H	36	17	12 / 144
163620U	T20H	36	18	12 / 144
163625U	T25H	36	18	12 / 144
163627U	T27H	36	18	12 / 144
163630U	T30H	36	18	12 / 144
163640U	T40H	36	20	12 / 144
163645U	T45H	36	21	12 / 144
163650U	T50H	36	23	12 / 144
163655U	T55H	36	28	12 / 144
163660U	T60H	36	33	12 / 120
168010U	T10H	80	46	6 / 72
168015U	T15H	80	47	6 / 72
168020U	T20H	80	47	6 / 72
168025U	T25H	80	47	6 / 72
168027U	T27H	80	47	6 / 72
168030U	T30H	80	47	6 / 72
168040U	T40H	80	48	6 / 72
168045U	T45H	80	49	6 / 72
168050U	T50H	80	50	6 / 72
168055U	T55H	80	52	6 / 72
168060U	T60H	80	70	6 / 60

1600M

- 36 / 80mmL

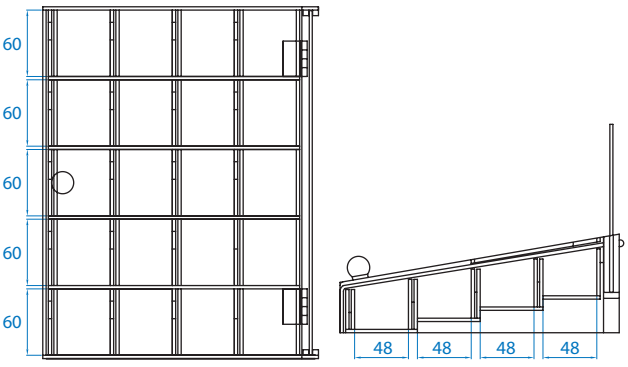


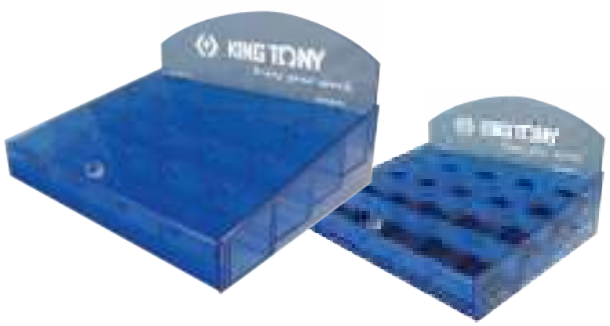
KT NO.	Size	Overall length (mm)	g	
163605M	M5	36	18	12 / 144
163606M	M6	36	19	12 / 144
163608M	M8	36	20	12 / 144
163609M	M9	36	21	12 / 144
163610M	M10	36	22	12 / 144
163612M	M12	36	28	12 / 120
163614M	M14	36	30	12 / 120
168005M	M5	80	47	6 / 72
168006M	M6	80	48	6 / 72
168008M	M8	80	49	6 / 72
168009M	M9	80	51	6 / 72
168010M	M10	80	52	6 / 72
168012M	M12	80	70	6 / 60
168014M	M14	80	71	6 / 60

Bit Display Box

87352

- Overall size - W 318 x D 235 x H 183 mm
- Weight - 1.3 Kg / Cuft - 0.4





Bit Set

- Silicon chrome vanadium alloy steel (S2)
- Anti-rust oiled, sand-blasted

1011MQ

Metal case size (mm) : 198 x 105 x 37 (0.027 cuft)



11 PC.

Contents — 0.82 kg — 1 / 20

1636M	M5, M6, M8, M10, M12
1680M	M5, M6, M8, M10, M12
414810M	

1015MQ

Metal case size (mm) : 198 x 105 x 37 (0.027 cuft)



15 PC.

Contents — 0.96 kg — 1 / 20

1636H	H4, H5, H6, H7, H8, H10, H12
1680H	H4, H5, H6, H7, H8, H10, H12
414810M	

1015PQ

Metal case size (mm) : 198 x 105 x 37 (0.027 cuft)



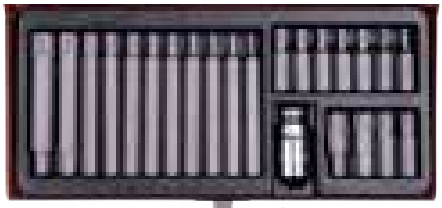
15 PC.

Contents — 0.90 kg — 1 / 20

1636T	T20,T25, T30, T40, T45, T50, T55
1680T	T20,T25, T30, T40, T45, T50, T55
414810M	

1023EQ

Metal case size (mm) : 244 x 118 x 37 (0.038 cuft)



23 PC.

Contents — 1.60 kg — 1 / 18

1636E	10IP, 15IP, 20IP, 25IP, 27IP, 30IP, 40IP, 45IP, 50IP, 55IP, 60IP
1680E	10IP, 15IP, 20IP, 25IP, 27IP, 30IP, 40IP, 45IP, 50IP, 55IP, 60IP
414810M	

1042CQ

Metal case size (mm) : 205 x 80 x 42 (0.024 cuft)



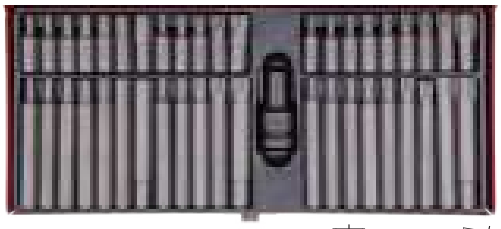
42 PC.

Contents — 0.52 kg — 1 / 20

1025H	H1.5, H2, H2.5, H3, H4, H5, H6, H7, H8, H10
1025T	T6
1025U	T7H, T8H, T9H , T10H, T15H, T20H, T25H, T27H, T30H, T40H
1025S	3 x 0.5, 3.5 x 0.6, 4 x 0.5, 4.5 x 0.6, 5 x 0.8, 5.5 x 0.8, 6 x 1.0, 6.5 x 1.2, 7 x 1.2, 8 x 1.2
1025P	PH0, PH1, PH2, PH3
1025Z	PZ1, PZ2, PZ3
1025R	RB0, RB1, RB2, RB3

1043CQ

Metal case size (mm) : 290 x 130 x 41 (0.056 cuft)



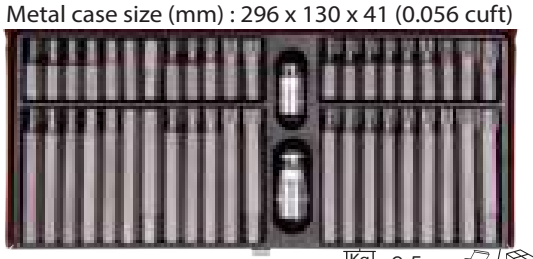
43 PC.

Contents — 2.50 kg — 1 / 10

1636H	H4, H5, H6, H7, H8, H10, H12
1636M	M5, M6, M8, M10, M12
1636T	T20, T25, T27, T30, T40, T45, T50,T55, T60
1680H	H4, H5, H6, H7, H8, H10, H12
1680M	M5, M6, M8, M10, M12
1680T	T20, T25, T27, T30, T40, T45, T50, T55, T60
414710M	

1044CQ

Metal case size (mm) : 296 x 130 x 41 (0.056 cuft)



44 PC.

Contents — 2.5 kg — 1 /10

1636H	H4, H5, H6, H7, H8, H10, H12
1636M	M5, M6, M8, M10, M12
1636T	T20, T25, T27, T30, T40, T45, T50, T55, T60
1680H	H4, H5, H6, H7, H8, H10, H12
1680M	M5, M6, M8, M10, M12
1680T	T20, T25, T27, T30, T40, T45, T50, T55, T60
314810M, 414810M	

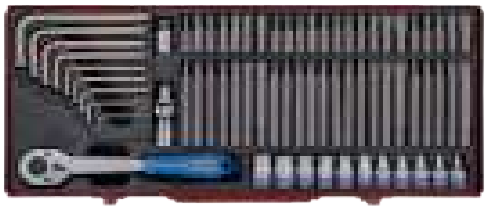
Bit Set

- Silicon chrome vanadium alloy steel (S2)
- Anti-rust oiled, sand-blasted

5169PR

Metal case size (mm) : 445 x 187 x 50 (0.147 cuft)

Contents			4.15	1 /4
	3375M	E4, E5, E6, E7, E8, E10, E11, E12, E14, E16, E18		
	1147R	T10H, T15H, T20H, T25H, T27H, T30H, T40H, T45H, T50H		
	1636H	H4, H5, H6, H7, H8, H10, H12		
	1636M	M5, M6, M8, M10, M12		
	1636T	T10, T15, T20, T25, T27, T30, T40, T45, T50, T55, T60		
	1680H	H4, H5, H6, H7, H8, H10, H12		
	1680M	M5, M6, M8, M10, M12		
	1680T	T10, T15, T20, T25, T27, T30, T40, T45, T50, T55, T60		
	314810M	3792	3779-08G	

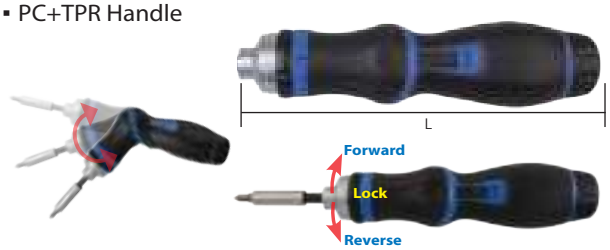


69 PC.

Ratchet Screwdriver & Set

2166DF

- Two position L-handle design for greater torque
- PC+TPR Handle



KT NO.	Gear	Overall Length (mm)		
2166DF	46 teeth	167	0.28	6 / 72

32809MR

- 9-in-1 ratchet screwdriver set
- Reversible ratchet with 1/4" bit holder



9 PC.

Contents			0.32	6 / 72
	1025S	4.0, 5.0		
	1025P	PH1, PH2, PH3		
	1025Z	PZ1, PZ2		
	750-60			
	2166DF			

2555MR 1/4"

- Ratchet screwdriver set
- Blow case size (mm) : 260 x 160 x 64 (0.094 cuft)



55 PC.

Contents			1.00	1 / 10
	1025S	3.0, 4.0, 4.5, 5.0, 5.5, 6.0, 6.5, 8.0		
	1025P	PH0, PH1, PH2, PH3		
	1025Z	PZ0, PZ1, PZ2, PZ3		
	1025T	T10, T15, T20, T25, T27, T30, T40		
	1025H	H2, H2.5, H3, H4, H5, H6, H8		
	1025U	T10, T15, T20, T25, T27, T30, T40		
	1025R	RB1, RB2		
	7702-25			
	750-60			
	2335M	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14		
	2166DF			

Ratchet Screwdriver



32808MR

new

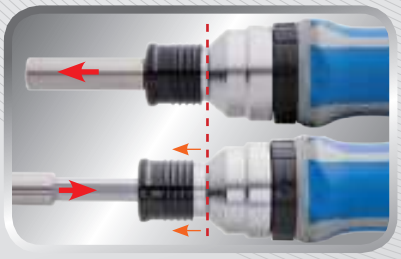
1/4"

8 PC.

- Max : 45Nm
- 45 teeth

- Ergonomic grip





- Extended magnetic bit holder



- Forward, reverse and neutral



- 6 bit storage compartment cap



- Telescopic ratchet screwdriver

Contents

⊖	1025P	PH1, PH2
✳	1025Z	PZ2
⊕	1025S	4.0 x 0.5, 5.5 x 0.8, 6.5 x 1.2
	2155-06	
	2155DF	

Bit Set

- Silicon chrome vanadium alloy steel (S2)
- Anti-rust oiled, sand-blasted

1032CQ

Plastic case size (mm) :
120 x 70 x 42 (0.012 cuft)



32 PC.

Contents		0.30	1 / 20
1025S	3.0, 4.0, 5.0, 6.0		
1025P	PH1, PH2 x 2, PH3		
1025Z	PZ1, PZ2 x 2, PZ3		
1025T	T10, T15, T20, T25, T27, T30, T40		
1025H	H3, H4, H5, H6		
1025U	T10H, T15H, T20H, T25H, T27H, T30H, T40H		
7702-25			
753-63			

1032CQ01

Plastic case size (mm) :
120 x 70 x 42 (0.012 cuft)



33 PC.

Contents		0.30	1 / 20
1025S	3.0, 4.0, 5.0, 6.0		
1025P	PH1, PH2 x 2, PH3		
1025Z	PZ1, PZ2 x 2, PZ3		
1025T	T10, T15, T20, T25, T27, T30, T40		
1025H	H3, H4, H5, H6		
1025U	T10H, T15H, T20H, T25H, T27H, T30H, T40H		
1025R	RB2		
7702-25			
753-63			

2517MR 1/4"

Plastic case size (mm) :
120 x 70 x 32 (0.009 cuft)

Contents		0.23	1 / 28
1025S	4.0, 5.5, 6.5		
1025P	PH1, PH2, PH3		
1025T	T10, T15, T20		
2335M	4, 4.5, 5, 5.5, 6, 7mm		
7702-25			
753-63			



17 PC.

Bit Set

KT NO.	PC.	Contents		g	
102502P-S1	25	1025P	PH2 x 25 PC.	161	12 / 72
102502Z-S1	25	1025Z	PZ2 x 25 PC.	161	12 / 72
102510T-S1	25	1025T	T10 x 25 PC.	136	12 / 72
102515T-S1	25	1025T	T15 x 25 PC.	140	12 / 72
102520T-S1	25	1025T	T20 x 25 PC.	142	12 / 72
102525T-S1	25	1025T	T25 x 25 PC.	144	12 / 72
102530T-S1	25	1025T	T30 x 25 PC.	146	12 / 72



Power Driving

- Silicon chrome vanadium alloy steel (S2)
- Anti-rust oiled, phosphate sunk
- Magnetic **1/4"** Hex size shank driver



order unit : one blister card

7100P

- Short neck (9.5 mm) type
- DIN ISO 2351-2



KT NO.	No.	Overall length (mm)	g	
715000P	PH0	50	8	
715001P	PH1	50	9	
715002P	PH2	50	11	
715003P	PH3	50	11	
715004P	PH4	50	14	
716502P	PH2	65	15	
717001P	PH1	70	16	
717002P	PH2	70	17	10 / 100
717003P	PH3	70	17	
719001P	PH1	90	18	
719002P	PH2	90	20	
719003P	PH3	90	20	
711002P	PH2	100	24	
711501P	PH1	150	23	
711502P	PH2	150	33	
711503P	PH3	150	33	

7100H

- DIN ISO 2351-3



KT NO.	mm / inch	Overall length (mm)	g	
715002H	H2	50	6	10 / 100
715025H	H2.5	50	6	10 / 100
715003H	H3	50	6	10 / 100
715004H	H4	50	9	10 / 100
715005H	H5	50	10	10 / 100
715006H	H6	50	11	10 / 100
715007H	H7	50	13	10 / 100
715008H	H8	50	17	10 / 100
715012SH	3/16	50	20	10 / 100
715014SH	7/32	50	22	10 / 100
717005H	H5	70	15	10 / 100
717006H	H6	70	18	10 / 100
717007H	H7	70	21	10 / 100
717008H	H8	70	25	10 / 60
711102H	H2	110	11	10 / 100
711125H	H2.5	110	11	10 / 100
711103H	H3	110	14	10 / 100
711104H	H4	110	18	10 / 100
711105H	H5	110	24	10 / 100
711106H	H6	110	29	10 / 100
711107H	H7	110	34	10 / 100
711108H	H8	110	42	10 / 100
711110H	H10	110	62	10 / 80
711505H	H5	150	34	10 / 100
711507H	H7	150	47	10 / 100
711512SH	3/16	150	68	10 / 100

7150S

- DIN ISO 2351-1



KT NO.	Tip width (mm)	Tip thickness (mm)	Overall length (mm)	g	
715003S1	3.0	0.5	50	6	
715035S1	3.5	0.5	50	6	
715004S2	4.0	0.5	50	7	
715004S1	4.0	0.8	50	7	
715045S1	4.5	0.6	50	7	10 / 100
715005S1	5.0	0.8	50	8	
715055S1	5.5	0.8	50	8	
715055S2	5.5	1.0	50	8	
715006S1	6.0	1.0	50	8	
715065S1	6.5	1.2	50	9	

7100T

- For torx head screw



KT NO.	Size	Overall length (mm)	g	
715006T	T6	50	5	
715007T	T7	50	5	
715008T	T8	50	5	
715009T	T9	50	5	
715010T	T10	50	6	
715015T	T15	50	6	
715020T	T20	50	7	
715025T	T25	50	8	
715027T	T27	50	9	
715030T	T30	50	9	
715040T	T40	50	10	
715050T	T50	50	15	
717006T	T6	70	7	
717007T	T7	70	7	
717008T	T8	70	7	
717009T	T9	70	7	
717010T	T10	70	8	
717015T	T15	70	8	
717020T	T20	70	10	
717025T	T25	70	11	
717027T	T27	70	14	10 / 100
717030T	T30	70	14	
717040T	T40	70	15	
711110T	T10	110	14	
711115T	T15	110	14	
711120T	T20	110	18	
711125T	T25	110	19	
711127T	T27	110	24	
711130T	T30	110	24	
711140T	T40	110	28	
711506T	T6	150	16	
711507T	T7	150	16	
711508T	T8	150	16	
711509T	T9	150	16	
711510T	T10	150	17	
711515T	T15	150	18	
711520T	T20	150	24	
711525T	T25	150	24	
711527T	T27	150	32	
711530T	T30	150	33	
711540T	T40	150	39	

Power Driving

- Silicon chrome vanadium alloy steel (S2)
- Anti-rust oiled, phosphate sunk
- Magnetic **1/4"** Hex size shank driver



order unit : one blister card

7100Z

- DIN ISO 2351-2



KT NO.	No.	Overall length (mm)	g	
715001Z	PZ1	50	9	
715002Z	PZ2	50	11	
715003Z	PZ3	50	12	
717001Z	PZ1	70	11	
717002Z	PZ2	70	15	10 / 100
717003Z	PZ3	70	15	
719001Z	PZ1	90	13	
719002Z	PZ2	90	19	
719003Z	PZ3	90	19	

7100Z

- For torx head screw



KT NO.	Size	Overall length (mm)	g	
715006U	T6H	50	7	
715007U	T7H	50	5	
715008U	T8H	50	5	
715009U	T9H	50	5	
715010U	T10H	50	7	
715015U	T15H	50	7	
715020U	T20H	50	7	
715025U	T25H	50	8	
715027U	T27H	50	9	
715030U	T30H	50	9	
715040U	T40H	50	11	
717010U	T10H	70	8	
717015U	T15H	70	8	10 / 100
717020U	T20H	70	10	
717025U	T25H	70	11	
717027U	T27H	70	13	
717030U	T30H	70	13	
717040U	T40H	70	15	
711110U	T10H	110	14	
711115U	T15H	110	14	
711120U	T20H	110	18	
711125U	T25H	110	19	
711127U	T27H	110	24	
711130U	T30H	110	24	
711140U	T40H	110	28	

7100R



KT NO.	Size	Overall length (mm)	g	
715000R	RB0	50	7	
715001R	RB1	50	8	
715002R	RB2	50	8	
715003R	RB3	50	8	10 / 100
717000R	RB0	70	9	
717001R	RB1	70	11	
717002R	RB2	70	13	
717003R	RB3	70	13	

2128PR

- torx head tamper & L-type holder set



8 PC.

Contents

0.17 kg | 10 / 60

7170U	T10H, T15H, T20H, T25H, T27H, T30H, T40H	
158902ERA		

2138PR

- Hexagon head power bits & L-type holder set



8 PC.

Contents

0.24 kg | 10 / 60

7150H	H2, H3, H4, H5, H6, H7, H8
158902ERA	

7400P

- Short head type



KT NO.	No.	Overall length (mm)	g	
745002P	PH2	50	11	10 / 100
747501P	PH1	75	16	10 / 100
747502P	PH2	75	15	10 / 100
747503P	PH3	75	16	10 / 100
741002P	PH2	100	23	10 / 100
741502P	PH2	150	37	10 / 100
742002P	PH2	200	50	10 / 100
743002P	PH2	300	70	10 / 100
743003P	PH3	300	77	10 / 40

7300P

- Long head type



KT NO.	No.	Overall length (mm)	g	
734501P	PH1	45	9	
734502P	PH2	45	9	
734503P	PH3	45	10	
736501P	PH1	65	14	
736502P	PH2	65	14	
736503P	PH3	65	14	10 / 100
731101P	PH1	110	26	
731102P	PH2	110	26	
731103P	PH3	110	26	
731502P	PH2	150	32	
731503P	PH3	150	33	



5mm Hex size shank driver

order unit : one box

Insert Size: The suggested size is according to the depth of bit holder which a bit is inserted.

7200P

- Long head typed



KT NO.	No.	Overall length (mm)	g	
726502P	PH2	65	8	
727502P	PH2	75	10	10 / 100
721102P	PH2	110	14	

Power Driving

- Silicon chrome vanadium alloy steel (S2)
- Anti-rust oiled, phosphate sunk
- Magnetic
- 2 PC. bits set

1/4" Hex size shank driver

order unit : one blister card



7100P-S1

- Short neck (9.5 mm) type
- DIN ISO 2351-2



KT NO.	No.	Overall length (mm)	g	set /
715000P-S1	PH0	50	16	
715001P-S1	PH1	50	18	
715002P-S1	PH2	50	22	
715003P-S1	PH3	50	22	
715004P-S1	PH4	50	28	
716502P-S1	PH2	65	30	
717001P-S1	PH1	70	32	
717002P-S1	PH2	70	34	
717003P-S1	PH3	70	34	1 / 20
719001P-S1	PH1	90	36	
719002P-S1	PH2	90	40	
719003P-S1	PH3	90	40	
711002P-S1	PH2	100	48	
711501P-S1	PH1	150	46	
711502P-S1	PH2	150	66	
711503P-S1	PH3	150	66	

7100H-S1

- DIN ISO 2351-3



KT NO.	mm / inch	Overall length (mm)	g	set /
715002H-S1	H2	50	12	
715025H-S1	H2.5	50	12	
715003H-S1	H3	50	12	
715004H-S1	H4	50	18	
715005H-S1	H5	50	20	
715006H-S1	H6	50	22	
715007H-S1	H7	50	26	
715008H-S1	H8	50	34	
715012SH-S1	3/16	50	20	
715014SH-S1	7/32	50	22	
717005H-S1	H5	70	30	
717006H-S1	H6	70	36	1 / 20
717007H-S1	H7	70	42	
711102H-S1	H2	110	22	
711125H-S1	H2.5	110	22	
711103H-S1	H3	110	28	
711104H-S1	H4	110	36	
711105H-S1	H5	110	48	
711106H-S1	H6	110	58	
711107H-S1	H7	110	68	
711505H-S1	H5	150	68	
711507H-S1	H7	150	94	
711512SH-S1	3/16	150	68	

7150S-S1

- DIN ISO 2351-1



KT NO.	Tip width (mm)	Tip thickness (mm)	Overall length (mm)	g	set /
715003S1-S1	3.0	0.5	50	12	
715035S1-S1	3.5	0.5	50	12	
715004S2-S1	4.0	0.5	50	14	
715004S1-S1	4.0	0.8	50	14	
715045S1-S1	4.5	0.6	50	14	1 / 20
715005S1-S1	5.0	0.8	50	16	
715055S1-S1	5.5	0.8	50	16	
715055S2-S1	5.5	1.0	50	16	
715006S1-S1	6.0	1.0	50	16	
715065S1-S1	6.5	1.2	50	18	

7100T-S1

- For torx head screw



KT NO.	Size	Overall length (mm)	g	set /
715006T-S1	T6	50	10	
715007T-S1	T7	50	10	
715008T-S1	T8	50	10	
715009T-S1	T9	50	10	
715010T-S1	T10	50	12	
715015T-S1	T15	50	12	
715020T-S1	T20	50	14	
715025T-S1	T25	50	16	
715027T-S1	T27	50	18	
715030T-S1	T30	50	18	
715040T-S1	T40	50	20	
715050T-S1	T50	50	30	
717006T-S1	T6	70	14	
717007T-S1	T7	70	14	
717008T-S1	T8	70	14	
717009T-S1	T9	70	14	
717010T-S1	T10	70	14	
717015T-S1	T15	70	16	
717020T-S1	T20	70	16	
717025T-S1	T25	70	20	
717027T-S1	T27	70	22	1 / 20
717030T-S1	T30	70	28	
717040T-S1	T40	70	28	
711110T-S1	T10	110	30	
711115T-S1	T15	110	28	
711120T-S1	T20	110	28	
711125T-S1	T25	110	36	
711127T-S1	T27	110	38	
711130T-S1	T30	110	48	
711140T-S1	T40	110	48	
711506T-S1	T6	150	56	
711507T-S1	T7	150	32	
711508T-S1	T8	150	32	
711509T-S1	T9	150	32	
711510T-S1	T10	150	34	
711515T-S1	T15	150	36	
711520T-S1	T20	150	48	
711525T-S1	T25	150	48	
711527T-S1	T27	150	64	
711530T-S1	T30	150	66	
711540T-S1	T40	150	78	

Power Driving

- Silicon chrome vanadium alloy steel (S2)
- Anti-rust oiled, phosphate sunk
- Magnetic
- 2 PC. bits set

1/4" Hex size shank driver — order unit : one blister card



7100Z-S1

- DIN ISO 2351-2



KT NO.	No.	Overall length (mm)	g	set
715001Z-S1	PZ1	50	18	1 / 20
715002Z-S1	PZ2	50	22	
715003Z-S1	PZ3	50	24	
717001Z-S1	PZ1	70	22	
717002Z-S1	PZ2	70	30	
717003Z-S1	PZ3	70	30	
719001Z-S1	PZ1	90	26	
719002Z-S1	PZ2	90	38	
719003Z-S1	PZ3	90	38	

7100U-S1

- For torx head screw



KT NO.	Size	Overall length (mm)	g	set
715006U-S1	T6H	50	14	1 / 20
715007U-S1	T7H	50	10	
715008U-S1	T8H	50	10	
715009U-S1	T9H	50	10	
715010U-S1	T10H	50	14	
715015U-S1	T15H	50	14	
715020U-S1	T20H	50	14	
715025U-S1	T25H	50	16	
715027U-S1	T27H	50	18	
715030U-S1	T30H	50	18	
715040U-S1	T40H	50	22	
717010U-S1	T10H	70	16	
717015U-S1	T15H	70	16	
717020U-S1	T20H	70	20	
717025U-S1	T25H	70	22	
717027U-S1	T27H	70	26	
717030U-S1	T30H	70	26	
717040U-S1	T40H	70	30	
711110U-S1	T10H	110	28	
711115U-S1	T15H	110	28	
711120U-S1	T20H	110	36	
711125U-S1	T25H	110	38	
711127U-S1	T27H	110	48	
711130U-S1	T30H	110	48	
711140U-S1	T40H	110	56	

7100R-S1



KT NO.	Size	Overall length (mm)	g	set
715000R-S1	RB0	50	14	1 / 20
715001R-S1	RB1	50	16	
715002R-S1	RB2	50	16	
715003R-S1	RB3	50	16	
717000R-S1	RB0	70	18	
717001R-S1	RB1	70	22	
717002R-S1	RB2	70	26	
717003R-S1	RB3	70	26	

7400P-S1

- Short head type



KT NO.	No.	Overall length (mm)	g	set
745002P-S1	PH2	50	22	1 / 20
747501P-S1	PH1	75	32	
747502P-S1	PH2	75	30	
747503P-S1	PH3	75	32	
741002P-S1	PH2	100	46	
741502P-S1	PH2	150	74	

7300P-S1

- Long head type



KT NO.	No.	Overall length (mm)	g	set
734501P-S1	PH1	45	18	1 / 20
734502P-S1	PH2	45	18	
734503P-S1	PH3	45	20	
736501P-S1	PH1	65	28	
736502P-S1	PH2	65	28	
736503P-S1	PH3	65	28	
731101P-S1	PH1	110	52	
731102P-S1	PH2	110	52	
731103P-S1	PH3	110	52	
731502P-S1	PH2	150	64	
731503P-S1	PH3	150	66	

Insert Size: The suggested size is according to the depth of bit holder which a bit is inserted.

5mm Hex size shank driver — order unit : one box



7200P-S1

- Long head typed



KT NO.	No.	Overall length (mm)	g	set
726502P-S1	PH2	65	16	1 / 20
727502P-S1	PH2	75	20	
721102P-S1	PH2	110	28	

Power Driving

- Silicon chrome vanadium alloy steel (S2)
- Nickel plated
- Magnetic

1/4" Hex size shank driver



order unit : one box

1300P

- Long head type



KT NO.	No.	Overall length (mm)	g	
134501P	PH1	45	8	10 / 300
134502P	PH2	45	9	10 / 300
134503P	PH3	45	9	10 / 300
136501P	PH1	65	14	10 / 200
136502P	PH2	65	14	10 / 200
136503P	PH3	65	14	10 / 200
131101P	PH1	110	26	10 / 150
131102P	PH2	110	26	10 / 150
131103P	PH3	110	26	10 / 150
131501P	PH1	150	36	10 / 100
131502P	PH2	150	36	10 / 100
131503P	PH3	150	37	10 / 100

1500P

- Short head type



KT NO.	No.	Overall length (mm)	g	
155001P	PH1	50	10	10 / 300
155002P	PH2	50	10	10 / 300
155003P	PH3	50	10	10 / 300
157501P	PH1	75	16	10 / 200
157502P	PH2	75	16	10 / 200
157503P	PH3	75	17	10 / 200
151001P	PH1	100	23	10 / 150
151002P	PH2	100	23	10 / 150
151003P	PH3	100	23	10 / 150
151501P	PH1	150	36	10 / 100
151502P	PH2	150	37	10 / 100
151503P	PH3	150	37	10 / 100

7300P

- Long head type



KT NO.	No.	Tip width (mm)	Tip thickness (mm)	Overall length (mm)	g	
734551P	PH1	5.0	0.8	45	8	10 / 300
734552P	PH2	5.0	0.8	45	8	10 / 300
736552P	PH2	5.0	0.8	65	13	10 / 200
731152P	PH2	5.0	0.8	110	25	10 / 150
731552P	PH2	5.0	0.8	150	36	10 / 100

- Silicon chrome vanadium alloy steel (S2)
- Anti-rust oiled, phosphate sunk
- Magnetic

1/4" Hex size shank driver



order unit : one box

13A6502P

- Long head type
- For ironwork screws



KT NO.	No.	Overall length (mm)	g	
13A6502P	PH2	65	8	10 / 100

13B6502P

- Long head type
- For woodwork screws



KT NO.	No.	Overall length (mm)	g	
13B6502P	PH2	65	8	10 / 100

- Chrome vanadium & stainless alloy steel
- Anti-rust oiled , sand-blasted
- Magnetic

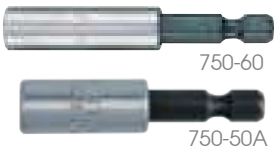
1/4" Hex size shank driver



750

- Magnetic bit holder
- 2 PC. type
- 750-50A : with spring clip
- DIN 7427

750-50A



KT NO.	inch	Overall length (mm)	g	
750-60	1/4	60	20	6 / 84
750-50A	1/4	50	22	6 / 84

KT NO.	inch	Overall length (mm)	g	
750-75	1/4	75	30	1 / 20
750-100	1/4	100	37	1 / 20
750-150	1/4	150	50	1 / 20

751

- Magnetic bit holder
- 1 PC. type
- With spring clip
- DIN 7427



KT NO.	inch	Overall length (mm)	g	
751-60	1/4	60	24	6 / 84
751-75	1/4	75	36	6 / 84

Power Driving

- Chrome vanadium & stainless alloy steel
- Anti-rust oiled , sand-blasted
- Magnetic

752

- Magnetic bit holder
- 2 PC. type
- With quick-release sleeve
- DIN 7427



KT NO.	inch	Overall length (mm)	g	
752-60	1/4	63	33	6 / 72

KT NO.	inch	Overall length (mm)	g	
752-75	1/4	75	32	1 / 20
752-100	1/4	100	38	1 / 20
752-150	1/4	150	52	1 / 20
752-300	1/4	300	92	1 / 20

753

- 753-63
  -Magnetic bit holder
  -2 PC. type
  -With quick-release sleeve
  -For 1025 bit
  -DIN 7427



KT NO.	inch	Overall length (mm)	g	
753-63	1/4	63	33	6 / 72

753A

- 753A-370
  -Quick release bit holder
  -Extra-long extended driver for limited space
  -Magnetic bit holder
  -For power bits



KT NO.	inch	Overall length (mm)	g	
753A-370	1/4	370	170	1 / 4

1/4" Hex size shank driver

754

- Universal joint bit holder
- 20 degree pivot mode allows for limited space accessibility
- Can be used in straight or pivot mode



KT NO.	inch	Overall Length (mm)	g	
754-90	1/4	90	52	1 / 20

755

- Quick release flexible bit holder
- Flexible shaft driver
- The flex shaft accepts any standard hex fitting
- Quick release fits double end power bits and 50mm power bits



KT NO.	inch	Overall length (mm)	g	
755-300	1/4	300	293	1 / 6
755-400	1/4	400	385	1 / 12

Angle Driver

- The body is zin alloy steel
- The arm is chrome vanadium alloy steel
- The chuck is aluminum alloy steel
- Magnetic

1/4" Hex size shank driver

759

- Heavy duty right angle bit holder
- This heavy duty 90 degree offset driver with 24 position gripped stabilizer arm is designed for use with power drivers 18-24 Volts
- Its head is shorter than 2.5" which is suitable to use in limited space
- Locking magnetic chuck accepts any 1/4" hex drive accessory such as twist drills, spade drills, step drills, grinding stones, buffer pads, nut drivers and screwdriver bits
- Durable all metal housing and steel gears with ball bearing construction
- Gripped stabilizer arm with 1 screwdriver bit storage
- It's amazing capacity for up to 500 inch lbs with 2000 RPM





KT NO.	inch	Overall length (mm)	g	
759-140	1/4	140	305	12 / 48

Power Driving

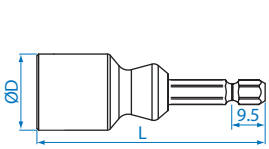
- Chrome vanadium alloy steel
- Anti-rust oiled , sand-blasted

1/4" Hex size shank driver



75A1

- Threaded rod socket
- Fastest tool available to tighten or loosen threaded rods
- Automatic locking cams
- Will not damage the threads when used properly



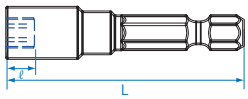


KT NO.	Size mm	Size inch	D mm	L mm	Capacity Ø mm	g	
75A105M	5	3/16	22	66	4.6~5.0	60	10 / 200
75A106M	6	1/4	24	66	5.6~6.35	75	10 / 200
75A108M	8	5/16	24	66	7.6~8.0	74	10 / 200
75A110M	10	3/8	28	66	9.0~10.0	99	10 / 160
75A112M	12	1/2	28	66	11.4~12.7	98	10 / 160
75A114M	14	9/16	32	66	13.2~14.3	126	10 / 160
75A116M	16	5/8	32	66	15.2~16.0	125	10 / 160

760M

760S

- Nut setter
- Non magnetic type
- DIN 3126





KT NO.	○ mm	ℓ mm	Overall length (mm)	g	
7605512M	12	7.0	55	55	6 / 72
7606512M	12	6.8	65	50	6 / 72
7607510M	10	6.0	75	38	6 / 72

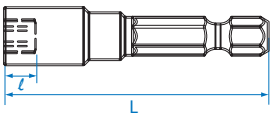
KT NO.	○ mm	ℓ mm	Overall length (mm)	g	
7601012M	12	7.5	100	61	1 / 25
7601013M	13	7.0	100	70	1 / 25

KT NO.	○ inch	ℓ mm	Overall length (mm)	g	
7606508S	1/4	4.8	65	20	6 / 84
7606510S	5/16	6.6	65	30	6 / 84
7606512S	3/8	6.8	65	36	6 / 72

761M

761S

- Nut setter
- Magnetic type
- DIN 3126





KT NO.	○ mm	ℓ mm	Overall length (mm)	g	
7616505M	5	2.3	65	27	6 / 84
7616506M	6	2.6	65	26	6 / 84
7616507M	7	2.9	65	25	6 / 84
7616508M	8	3.5	65	30	6 / 84
7616510M	10	4.5	65	37	6 / 72
7616512M	12	5.6	65	52	6 / 72
7616513M	13	6.0	65	54	6 / 72
7616514M	14	6.5	65	52	6 / 20

KT NO.	○ mm	ℓ mm	Overall length (mm)	g	
7611006M	6	2.6	100	38	1 / 25
7611008M	8	3.5	100	48	1 / 25
7611010M	10	4.5	100	54	1 / 25
7611012M	12	5.6	100	68	1 / 25
7611013M	13	6.0	100	71	1 / 25
7611014M	14	6.5	100	77	1 / 25
7611506M	6	2.6	150	58	1 / 25
7611507M	7	2.9	150	65	1 / 25
7611508M	8	3.5	150	67	1 / 25
7611510M	10	4.5	150	68	1 / 25
7611512M	12	5.6	150	103	1 / 25
7611513M	13	6.0	150	110	1 / 25
7611514M	14	6.5	150	115	1 / 25
7612006M	6	2.6	200	78	1 / 20
7612008M	8	3.5	200	93	1 / 20
7612010M	10	4.5	200	89	1 / 20
7612012M	12	5.6	200	128	1 / 20
7612014M	14	6.5	200	128	1 / 20

KT NO.	○ inch	ℓ mm	Overall length (mm)	g	
7614208S	1/4	2.7	42	15	6 / 84
7614210S	5/16	3.7	42	17	6 / 84
7614512S	3/8	4.7	45	22	6 / 84
7616508S	1/4	4.8	65	30	6 / 84
7616510S	5/16	6.6	65	31	6 / 84
7616512S	3/8	6.8	65	37	6 / 72
7616514S	7/16	6.8	65	39	6 / 72

Power Driving

- Chrome vanadium alloy steel
- Anti-rust oiled , sand-blasted

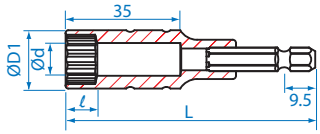
1/4" & 3/8" & 1/2"
Hex size shank driver



76B

- Deep well nut setter
- Deep hole for bolt & nut
- Press-fitted high-durability shank
- Use for tightening step clamp in construction



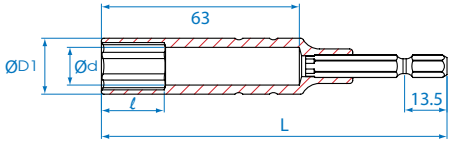


KT NO.	○ mm	D1 mm	ℓ mm	d mm	L mm	g	
76B808M	8	13	6	6	80	41	15 / 300
76B809M	9	13	6	7	80	40	15 / 300
76B810M	10	15	7	7	80	47	12 / 240
76B811M	11	16	7	9	80	52	12 / 240
76B812M	12	17	8	9	80	57	12 / 240
76B813M	13	18	9	10	80	62	12 / 240
76B814M	14	20	9	12	80	70	12 / 240
76B815M	15	21	10	12	80	77	12 / 240
76B816M	16	22	10	14	80	76	12 / 240
76B817M	17	24	11	14	80	95	12 / 144
76B819M	19	26	13	15	80	112	10 / 120
76B821M	21	28	13	19	80	113	10 / 120
76B822M	22	30	13	19	80	137	10 / 120
76B824M	24	32	13	21	80	146	6 / 96

76C

- 110mm length easy to reach at confined spaces
- Extra depth dimension 63mm perfectly go through various bolts
- Press-fit structure with durability socket suitable for 18V power tools
- Ideal for construction assembling, scaffolding and roof work



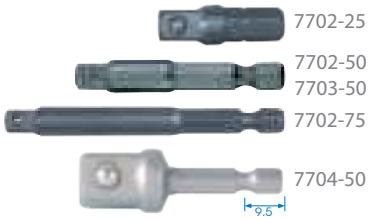




KT NO.	○ mm	D1 mm	ℓ mm	d mm	L mm	g	
76C1108M	8	14	12	7	110	71	12 / 216
76C1109M	9	14	14	8	110	64	12 / 216
76C1110M	10	15	15	9	110	67	12 / 216
76C1111M	11	17	17	10	110	84	10 / 180
76C1112M	12	17	18	11	110	74	10 / 180
76C1113M	13	18	20	12	110	79	10 / 180
76C1114M	14	20	21	13	110	99	10 / 180
76C1117M	17	24	26	16	110	139	10 / 180
76C1119M	19	26	29	18	110	158	10 / 180
76C1121M	21	28	30	20	110	161	8 / 144
76C1124M	24	32	30	23	110	216	8 / 96

770

- Socket adapter
- Ball retainer type
- DIN 7428



KT NO.	■ Size	Overall length (mm)	g	
7702-25	1/4"	25	6	20 / 200
7702-50	1/4"	50	13	10 / 100
7702-75	1/4"	75	23	10 / 100
7703-50	3/8"	50	23	6 / 84
7704-50	1/2"	50	24	6 / 72

771

- Socket adapter
- Pin retainer type
- DIN 7428



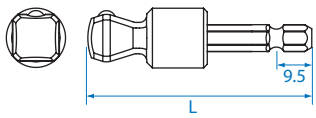
KT NO.	■ Size	Overall length (mm)	g	
7713-02	3/8"	50	23	6 / 84

774

- Bit adapter
- Wobble function provides up to 15° accessibility





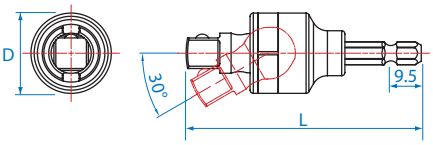


KT NO.	■ Size	L mm	g	
7743-56	3/8"	56	30	6 / 72
7744-60	1/2"	60	42	6 / 72

775

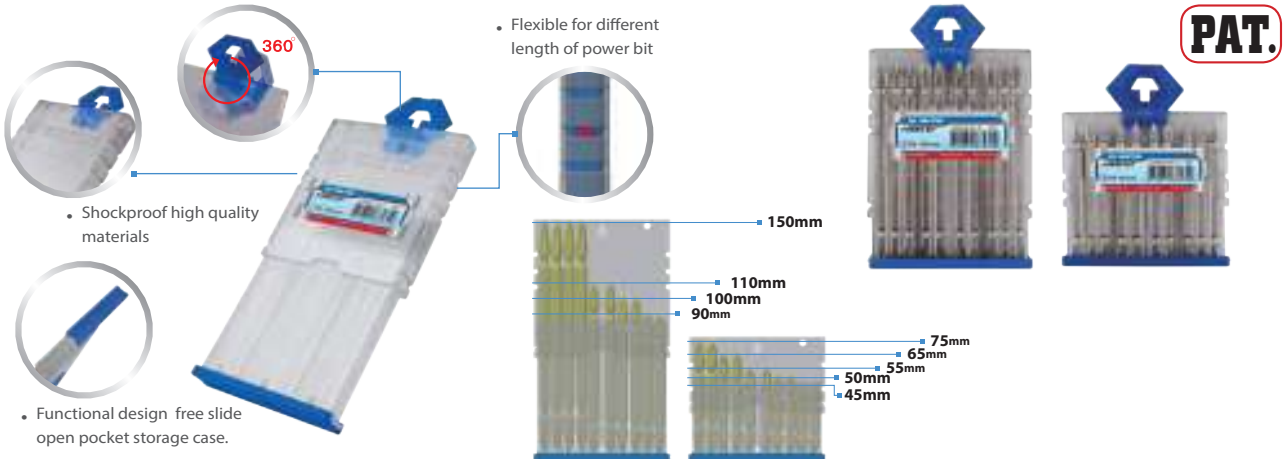
- Universal joint socket adapter
- Universal joint function provides up to 30° accessibility





KT NO.	■ Size	D mm	L mm	g	
7753-78	3/8"	25	77	90	6 / 120
7754-85	1/2"	29	85	127	6 / 96

Power Bit Pocket Case



Spot Weld Drill Bit

7E511 new

- Material : HSS M35
- Special drill bit for removal of spot welds effectively
- Two cutting edge

KT NO.	Diameter mm	Length mm	g	
7E51180-60	8	60	32	100 / 600
7E51180-80	8	80	35	100 / 600



Titanium Coated HSS Drill Bit Set

11101SQ 1/4"

- Titanium coated HSS drill set with standard 1/4" hex shank that will fit cordless screwdrivers, hand drills and impact drivers etc. or use in standard drill chuck
- Suitable for use with steel, wood, plastic etc
- Titanium nitride drill bits run cooler, drill smoother and last longer than standard bits
- High speed steel
- 120 deg. tips
- 1/4" hex shank for fast changes

Ø mm	Overall length mm
1.5	62
2	69
2.5	77
3	82
3.2	85
3.5	90
4	95
4.5	100
4.8	105
5	106



10 PC.

Power Driving Set

1035MR 1/4"

Plastic case size (mm) : 150 x 103 x 46 (0.025 cuft)

Contents	kg 0.62	1 / 28
1025S	3.0 x 0.5, 4.0 x 0.5, 5.0 x 0.8, 6.0 x 1.0	
1025P	PH1 x 2, PH2 x 2 ø6mm, PH2 ø4.7mm, PH3	
1025T	T15, T20 x 2, T25 x 2, T30 x 2, T40	
1025H	H3, H4, H5, H6	
1025Z	PZ2 x 2	
7E111	2.5, 3.0, 3.5, 4.0, 5.0	
754-90	1/4"	
7400P	PH2	
761M x 65L	8, 10, 13	
752-60	1/4"	



35 PC.

Power Driving Set

1036MR 1/4"

Plastic case size (mm) : 150 x 103 x 46 (0.025 cuft)



36 PC.

Contents — 0.59 kg / 1 / 28

1025S	3.0 x 0.5, 4.0 x 0.5, 5.0 x 0.8, 6.0 x 1.0
1025P	PH1 x 2, PH2 x 2 ø6mm, PH2 ø4.7mm, PH3
1025T	T15, T20 x 2, T25 x 2, T30 x 2, T40
1025H	H3, H4, H5, H6
1025Z	PZ2 x 2
7150T	T20, T25, T30
7150Z	PZ2 x 2
7150S	5.5 x 0.8
7450P	PH2 x 2
761M x 65L	8, 10, 13
753-63	1/4"

1045MR 1/4"

Plastic case size (mm) : 150 x 103 x 46 (0.025 cuft)



45 PC.

Contents — 0.64 kg / 1 / 28

1025S	4.0 x 0.5, 5.5 x 0.8, 6.5 x 1.2
1025P	PH2 x 2 ø4.7mm
1025T	T10, T15, T20, T25, T27, T30, T35, T40
1025H	H2, H3, H4, H5, H6
1025U	T10H, T15H, T20H x 2, T25H, T27H, T30H, T40H
1025Z	PZ1, PZ2, PZ3
1025R	RB1, RB2, RB3
1550P	PH1, PH2 x 2, PH3
7150P	PH2
7E111	3, 4, 5
761M x 65L	8, 10, 13
750-50A	1/4"
7702-50	1/4" DR.

1044MR 1/4"

Plastic case size (mm) : 150 x 103 x 46 (0.025 cuft)



44 PC.

Contents — 0.63 kg / 1 / 32

1025S	3.0 x 0.5, 4.0 x 0.5, 5.0 x 0.8, 6.0 x 1.0
1025P	PH1 x 2, PH2 x 2 ø6mm, PH2 ø4.7mm, PH3
1025T	T10, T15, T20 x 2, T25, T27, T30, T40
1025H	H3, H4, H5, H6
1025U	T10H, T15H, T20H x 2, T25H, T27H, T30H, T40H
1025Z	PZ2 x 2
7170T	T15, T20, T25,
7170P	PH2 x 2
7170Z	PZ2
7150S	4.0 x 0.8, 6.0 x 1.0
761M x 65L	6, 8, 10
753-63	1/4"

1049CQ new 1/4"

Plastic case size (mm) : 150 x 103 x 46 (0.025 cuft)



49 PC.

Contents — 0.51 kg / 1 / 32

1025P	PH1 x 2, PH2 x 2 ø6mm, PH2 x 2 ø4.7mm, PH3 x 2
1025S	4.0 x 0.5x 2, 5.5 x 0.8x 2, 6.5 x 1.2x 2
1025H	H2, H2.5, H3, H4, H5, H6, H7, H8
1025Z	PZ1 x 2, PZ2 x 2, PZ3 x 2
1025U	T9H, T10H, T15H, T20H, T25H, T27H, T30H, T40H
1025T	T9, T10, T15, T20, T25, T27, T30,T40
1025R	RB1, RB2,
2141	1/4" DR. x 1/4"H
750-50A	1/4"
7702-25	1/4" DR.

Hex Key & Set

KT No. & D1

- Material - SNCM - V alloy steel
- Finishing - chrome plated

1145MR

- Standard arm type
- Allen head
- DIN ISO 2936



KT NO.	mm	mm	mm	g	
114515MR	H1.5	16	47	1	20 / 400
114502MR	H2	18	52	1	20 / 400
114525MR	H2.5	21	59	3	20 / 400
114503MR	H3	24	66	5	20 / 400
114504MR	H4	30	74	10	20 / 400
114505MR	H5	33	85	18	20 / 400
114555MR	H5.5	36	91	24	10 / 200
114506MR	H6	38	97	30	10 / 200
114507MR	H7	41	102	45	10 / 200
114508MR	H8	44	108	60	10 / 200
114510MR	H10	50	122	105	10 / 200

1145SR



KT NO.	inch	mm	mm	g	
114502SR	1/16	18	49	1	20 / 400
114525SR	5/64	20	52	1	20 / 400
114503SR	3/32	21	56	3	20 / 400
114504SR	1/8	25	63	5	20 / 400
114505SR	5/32	28	70	9	20 / 400
114506SR	3/16	31	77	15	20 / 400
114508SR	1/4	37	91	30	10 / 200
114510SR	5/16	42	106	56	10 / 200
114512SR	3/8	47	120	80	10 / 120
114516SR	1/2	54	146	196	10 / 120
114518SR	9/16	59	160	267	6 / 72
114520SR	5/8	64	175	361	6 / 72
114524SR	3/4	73	203	599	6 / 24

1125MR

- Extra long arm type
- Allen head
- DIN ISO 2936

KT NO.	mm	mm	mm	g	
112515MR	H1.5	16	92	1	20 / 400
112502MR	H2	18	102	3	20 / 400
112525MR	H2.5	21	115	5	20 / 400
112503MR	H3	23	129	8	20 / 480
112504MR	H4	29	144	18	20 / 300
112505MR	H5	33	165	31	20 / 300
112506MR	H6	38	186	51	20 / 400
112507MR	H7	41	197	78	20 / 240
112508MR	H8	44	208	104	10 / 100
112510MR	H10	50	234	182	10 / 100
112512MR	H12	57	262	290	8 / 48
112514MR	H14	70	294	451	8 / 48
112517MR	H17	80	337	770	4 / 32
112519MR	H19	89	380	863	4 / 16
112522MR	H22	102	422	1590	4 / 16

1125SR



KT NO.	inch	mm	mm	g	
112502SR	1/16	16	92	1	20 / 400
112525SR	5/64	18	102	3	20 / 400
112503SR	3/32	21	115	5	20 / 400
112504SR	1/8	23	129	8	20 / 400
112505SR	5/32	29	144	18	20 / 300
112506SR	3/16	33	165	31	20 / 300
112508SR	1/4	38	186	51	10 / 100
112510SR	5/16	44	208	104	10 / 100
112512SR	3/8	50	234	182	10 / 100
112516SR	1/2	57	262	290	8 / 48
112518SR	9/16	70	294	451	8 / 48







KT NO.	PC.	Spec.		Contents	Kg	
20218MR	8	knife type		H2, H2.5, H3, H4, H5, H6, H8, H10	0.33	12 / 72
20219MR	9	Standard arm	1145MR	H1.5, H2, H2.5, H3, H4, H5, H6, H8, H10	0.33	6 / 48
20219SR	9		1145SR	1/16, 5/64, 3/32, 1/8, 5/32, 3/16, 1/4, 5/16, 3/8	0.33	6 / 48
20208MR	8	Extra long arm	1125MR	H2, H2.5, H3, H4, H5, H6, H8, H10	0.43	8 / 48
20209MR	9		1125MR	H1.5, H2, H2.5, H3, H4, H5, H6, H8, H10	0.49	8 / 48
20209SR02	9		1125SR	1/16, 5/64, 3/32, 1/8, 5/32, 3/16, 1/4, 5/16, 3/8	0.47	8 / 48

Hex Key Set

20208MR01 | 20208SR01



8 PC.

KT NO.	Spec.	Contents	1.25 kg / 1 / 20
20208MR01	Extra long arm	1125MR	H3, H4, H5, H6, H8, H10, H12, H14
20208SR01		1125SR	1/8, 5/32, 3/16, 1/4, 5/16, 3/8, 1/2, 9/16

20210MR

Metal case size (mm) :
372 x 153 x 40 (0.08 cuft)



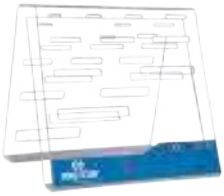
10 PC.

Spec.	Contents	3.03 kg / 1 / 6
Extra long arm	1125MR	H3, H4, H5, H6, H7, H8, H10, H12, H14, H17

L- wrench Set With Display Stnad

2020H0MR new

- 5mm durable acrylic sheets to increase structural strength
- Transparent design for demonstrating product feature
- Great capacity, suitable for multi-size
- Size : 220 x 260 x 270mm



KT NO. 87125



80 PC.

Spec.	Contents	7.68 kg / 1 / 4	Each Q'ty
Extra long arm	1125MR	H2, H2.5, H3, H4, H5, H6, H7, H8, H10, H12	8

Spline L- wrench & Set

1146MR

- Standard arm type
- For spline head screw



KT NO.	Size	mm	mm	g	
114605MR	M5	29	83	15	20 / 320
114606MR	M6	33	90	24	20 / 320
114608MR	M8	39	98	47	10 / 300
114610MR	M10	44	111	83	10 / 200
114612MR	M12	53	126	127	10 / 180

1126MR

- Extra long arm type



KT NO.	Size	mm	mm	g	
112605MR	M5	33	165	28	20 / 300
112606MR	M6	38	186	46	20 / 300
112608MR	M8	44	208	90	10 / 100
112610MR	M10	50	234	159	10 / 100
112612MR	M12	53	264	237	10 / 80

20505PR01 | 20515PR01

5 PC.



KT NO.	Spec.	Contents		kg	
20505PR01	Standard arm type	1146MR	M5, M6, M8, M10, M12	0.33	6 / 54
20515PR01	Extra long arm type	1126MR	M5, M6, M8, M10, M12	0.63	4 / 32

Ball Hex Key & Set

KT No. & D1

- Material - SNCM - V alloy steel
- Finishing - chrome plated

1130MR

- Long arm with ball point type
- DIN ISO 2936

KT NO.	mm	mm	mm	g	
113015MR	H1.5	16	64	1	20 / 400
113002MR	H2	18	77	2	20 / 400
113025MR	H2.5	21	88	4	20 / 400
113003MR	H3	23	93	7	20 / 400
113004MR	H4	29	104	14	20 / 400
113005MR	H5	33	120	25	20 / 300
113006MR	H6	38	141	41	10 / 160
113008MR	H8	44	158	84	10 / 150
113010MR	H10	50	180	145	10 / 150

1130SR



KT NO.	inch	mm	mm	g	
113002SR	1/16	16	79	1	20 / 400
113025SR	5/64	18	85	4	20 / 400
113003SR	3/32	21	88	3	20 / 400
113004SR	1/8	23	93	7	20 / 400
113005SR	5/32	29	104	14	20 / 400
113006SR	3/16	33	120	24	20 / 300
113007SR	7/32	36	130	33	10 / 150
113008SR	1/4	38	141	44	10 / 150
113010SR	5/16	44	158	82	10 / 150
113012SR	3/8	50	180	138	10 / 150

1120MR

- Extra long arm with ball point type
- DIN ISO 2936



KT NO.	mm	mm	mm	g	
112015MR	H1.5	16	92	1	20 / 400
112002MR	H2	18	102	3	20 / 400
112025MR	H2.5	21	115	5	20 / 400
112003MR	H3	23	129	8	20 / 480
112004MR	H4	29	144	18	20 / 300
112005MR	H5	33	165	31	20 / 300
112006MR	H6	38	186	51	20 / 400
112007MR	H7	41	197	78	20 / 400
112008MR	H8	44	208	104	10 / 100
112010MR	H10	50	234	182	10 / 100



20107MR01 20109MR 20119MR01

KT NO.	PC.	Spec.		Contents	Kg	
20107MR01	7	Long arm / ball	1130MR	H2.5, H3, H4, H5, H6, H8, H10	0.37	10 / 60
20107SR	7		1130SR	3/32, 1/8, 5/32, 3/16, 1/4, 5/16, 3/8	0.36	10 / 60
20108MR	8	Extra long arm / ball	1120MR	H2, H2.5, H3, H4, H5, H6, H8, H10	0.43	8 / 48
20109MR	9		1120MR	H1.5, H2, H2.5, H3, H4, H5, H6, H8, H10	0.49	8 / 48
new 20119MR01	9		1120MR	H1.5, H2, H2.5, H3, H4, H5, H6, H7, H8	0.36	6 / 48
20110MR	9	Long arm / ball	1130MR	H1.5, H2, H2.5, H3, H4, H5, H6, H8, H10	0.39	6 / 60
20129SR	9		1130SR	1/16, 5/64, 3/32, 1/8, 5/32, 3/16, 1/4, 5/16, 3/8	0.39	6 / 60

Star L- wrench

KT No. & D1

- Material - SNCM - V alloy steel
- Finishing - chrome plated

1143R

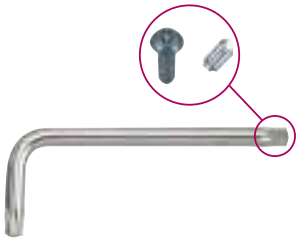
- Standard arm type
- For torx head screw



KT NO.	Size	mm	mm	g	
114310R	T10	19	49	3	20 / 400
114315R	T15	20	57	5	20 / 400
114320R	T20	23	62	8	20 / 400
114325R	T25	25	70	11	20 / 400
114327R	T27	29	77	15	20 / 400
114330R	T30	35	86	24	10 / 200
114340R	T40	42	97	39	10 / 200
114345R	T45	47	110	57	10 / 200
114350R	T50	50	124	80	10 / 200

1147R

- Standard arm type
- Tamper resistant type
- For torx head screw



KT NO.	Size	mm	mm	g	
114710R	T10H	18	50	3	20 / 400
114715R	T15H	20	56	5	20 / 400
114720R	T20H	24	62	8	20 / 400
114725R	T25H	26	68	11	20 / 400
114727R	T27H	30	76	15	20 / 400
114730R	T30H	36	86	24	10 / 200
114740R	T40H	41	97	39	10 / 200
114745R	T45H	46	107	57	10 / 200
114750R	T50H	52	122	80	10 / 200

1123R

- Extra long arm type
- For torx head screw



KT NO.	Size	mm	mm	g	
112310R	T10	18	92	5	20 / 400
112315R	T15	20	103	8	20 / 400
112320R	T20	22	115	12	20 / 400
112325R	T25	25	130	18	20 / 300
112327R	T27	29	146	25	20 / 300
112330R	T30	35	165	42	20 / 300
112340R	T40	40	182	63	10 / 100
112345R	T45	45	202	92	10 / 100
112350R	T50	49	225	130	10 / 100

1127R

- Extra long arm type
- Tamper resistant type
- For torx head screw

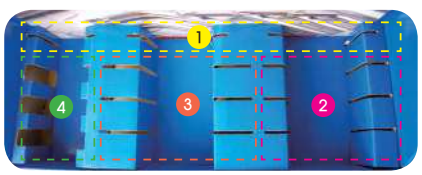


KT NO.	Size	mm	mm	g	
112710R	T10H	18	92	5	20 / 400
112715R	T15H	20	103	8	20 / 400
112720R	T20H	22	115	12	20 / 400
112725R	T25H	25	130	17	20 / 300
112727R	T27H	29	146	24	20 / 300
112730R	T30H	35	165	40	20 / 300
112740R	T40H	40	182	61	10 / 100
112745R	T45H	45	202	89	10 / 100
112750R	T50H	49	225	126	10 / 100

Paper Display Stand for L Wrench Set

87119

- Capacity : 12 sets
- For allen, spline, ball, torx with hole, ex:
  (1) 20309PR, 20409PR
  (2) 20108MR, 20109MR, 20319PR, 20419PR, 20208MR, 20209MR
  (3) 20107MR01, 20107SR, 20219MR,20307PR, 20407PR, 20308PR
  (4) 20218MR, 20505PR, 20515PR
- Size: 393 x 154 x 345 mm
- 0.47g / CUFT 49.4





Extension Pipe

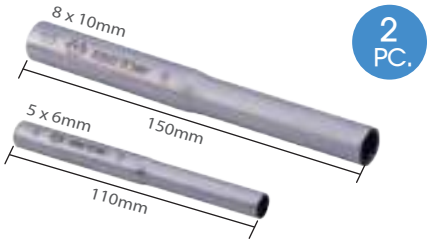
- Material - SNCM - V alloy steel
- Finishing - chrome plated

20002UB new

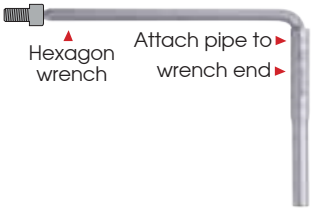
128 | 6/ 36

Contents	Overall length (mm)	AØ mm	BØ mm
S : 5 x 6mm	110	11	10
L : 8 x 10mm	150	16	14





Hex Key & Extension Pipe Set



Caution :
Please be careful not to overtighten.
Do not use any hexagon wrench other than the compatible 5-10 mmsize on the pipe.

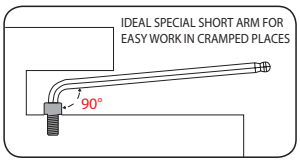


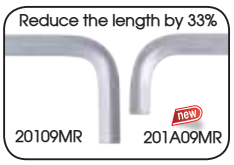
KT NO.	PC.	Spec.	Contents		Kg	
new 20109MRU	11	Extra long arm / ball	1120MR	H1.5, H2, H2.5, H3, H4, H5, H6, H8, H10	0.62	8 / 48
			20002UB	5 x 6, 8 x 10		
new 20319PRU	11	Extra long arm	1123R	T10, T15, T20, T25, T27, T30, T40, T45, T50	0.67	8 / 48
			20002UB	5 x 6, 8 x 10		

Short Arm Hex Key & Set

- The "SPECIAL SHORT ARM" L1 length is designed to be 1/3 as short as other wrenches to allow easy work in cramped places
- The "SPECIAL SHORT ARM" is made with a 90 degree bend for high workability in small spaces without risk of pinched fingers

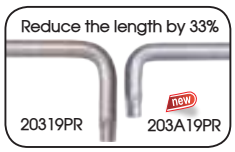
33% shorten









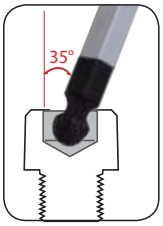


KT NO.	PC.	Spec.	Contents		Kg	
new 201A09MR	9	Extra short arm / ball		1.5H, 2H, 2.5H, 3H, 4H, 5H, 6H, 8H, 10H	0.45	10 / 60
new 203A19PR	9	Standard arm		T10, T15, T20, T25, T27, T30 T40, T45, T50	0.45	10 / 60

Ball Hex Key & Set

201B09MR new

- Set of ball head offset key wrench, long modle, for torx internal screw





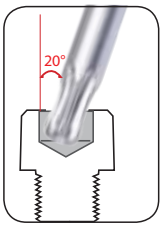


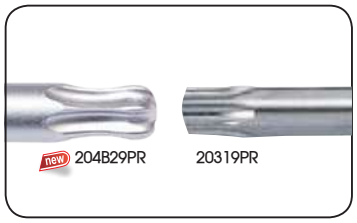
KT NO.	PC.	Spec.	Contents	Kg	
201B09MR	9	Extra long arm / ball	H1.5, H2, H2.5, H3, H4, H5, H6, H8, H10	0.45	8 / 48

Star L-Wrench

204B29PR new

- Set of ball head offset key wrench, long modle, for torx internal screw









KT NO.	PC.	Spec.	Contents	Kg	
204B29PR	9	Standard arm	T10, T15, T20, T25, T27, T30, T40, T45, T50	0.37	6 / 48



Star L- wrench Set



knife type



Standard arm



Extra long arm

KT NO.	PC.	Spec		Contents	Kg	
20307PR	7	Standard arm	1143R	T10, T15, T20, T25, T27, T30, T40	0.13	15 / 120
20407PR	7	Standard arm / Tamper resistant	1147R	T10H, T15H, T20H, T25H, T27H, T30H, T40H	0.13	15 / 120
20308PR	8	knife type		T9, T10, T15, T20, T25, T27, T30, T40	0.20	12 / 72
20318PR	8			T9H, T10H, T15H, T20H, T25H, T27H, T30H, T40H	0.20	12 / 72
20309PR	9	Standard arm	1143MR	T10, T15, T20, T25, T27, T30, T40, T45, T50	0.30	6 / 48
20319PR	9	Extra long arm	1123R	T10, T15, T20, T25, T27, T30, T40, T45, T50	0.45	8 / 48
20409PR	9	Standard arm / Tamper resistant	1147R	T10H, T15H, T20H, T25H, T27H, T30H, T40H, T45H,T50H	0.34	6 / 48
20419PR	9	Extra long arm / Tamper resistant	1127R	T10H, T15H, T20H, T25H, T27H, T30H, T40H, T45H,T50H	0.47	8 / 48

Bicycle Repair Tool

20A16MR

- 16-in-1 bicycle repair tool set

Contents	300 g	10 / 60
H2, H2.5, H3, H4, H5, H6		
8, 9, 10 mm		
PH2		
5.0		
Spoke Wrench: 14GE		
Extension bar 1/4" DR		
Wrench : 8 / 10 / 15 mm		



20A17MR

- 20-in-1 bicycle repair tool set

Contents	305 g	10 / 60
H2, H2.5, H3, H4, H5, H6		
9, 10, 12, 13, 15		
PH2		
5.0		
Socket : 8mm		
Spoke Wrench: 14GE / 15GE / 0.136"		
Chain Wrench x 1		
Tire Lever x 2		



Aluminum Folding Hex Key Wrench Set

20317MR

- 7-in-1 aluminum folding hex key wrench set



Spec	Contents	90	10 / 200
knife type	H1.5, H2, H2.5, H3, H4, H5, H6		

Aluminum Folding Tool Set

20306PR

- 6-in-1 aluminum folding tool set



Spec	Contents	104	12 / 72
knife type	H3, H4, H5, H6		
	PH2		
	5.0		

L- type Wrench

KT No. & D1

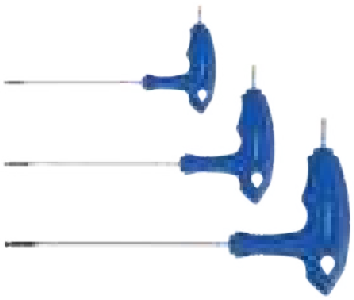


- Material - SNCM - V alloy steel
- Finishing - chrome plated with black tip

1160MR

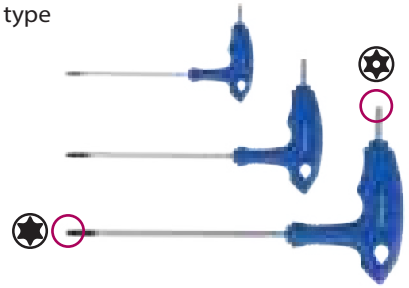
- Hexagon with ball point head

KT NO.	mm	mm	mm	g	
116002MR	H2	95	145	19	10 / 200
116025MR	H2.5	95	145	21	10 / 200
116003MR	H3	95	145	25	10 / 200
116004MR	H4	95	145	32	10 / 200
116005MR	H5	150	215	74	10 / 200
116006MR	H6	150	215	92	10 / 200
116007MR	H7	150	215	120	10 / 200
116008MR	H8	200	280	212	10 / 80
116010MR	H10	200	280	289	10 / 80



1163R

- For torx internal screw
- Tamper resistant type



KT NO.	Size	mm	mm	g	
116310R	T10H	95	145	24	10 / 200
116315R	T15H	95	145	27	10 / 200
116320R	T20H	95	145	31	10 / 200
116325R	T25H	95	145	35	10 / 200
116327R	T27H	150	215	69	10 / 200
116330R	T30H	150	215	86	10 / 200
116340R	T40H	150	215	105	10 / 200
116345R	T45H	200	280	181	10 / 80
116350R	T50H	200	280	214	10 / 80

1165MR

- For hexagon head screw



KT NO.	mm	mm	mm	g	
116502MR	H2	95	145	19	10 / 200
116525MR	H2.5	95	145	21	10 / 200
116503MR	H3	95	145	25	10 / 200
116504MR	H4	95	145	32	10 / 200
116505MR	H5	150	215	74	10 / 200
116506MR	H6	150	215	92	10 / 200
116507MR	H7	150	215	120	10 / 200
116508MR	H8	200	280	212	10 / 80
116510MR	H10	200	280	289	10 / 80

L- type Wrench Set



► Tray



► Shelf

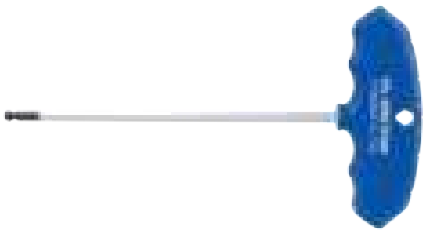
KT NO.	PC.	Spec	Contents	Package	Kg	
22106MR	6	Ball & hex two way type	1160MR	H3, H4, H5, H6, H7, H8	Tray	0.68	1 / 20
22108MR	8		1160MR	H2, H2.5, H3, H4, H5, H6, H8, H10	Tray	0.97	1 / 10
22208MR	8	Hex head	1165MR	H2, H2.5, H3, H4, H5, H6, H8, H10	Tray	0.97	1 / 10
22306PR	6	torx head / Tamper resistant	1163R	T10H, T15H, T20H, T25H, T30H, T40H	Tray	0.46	1 / 20
22309PR	9		1163R	T10H, T15H, T20H, T25H, T27H, T30H, T40H, T45H, T50H	Tray	1.00	1 / 10
22118MR	8		1160MR	H2, H2.5, H3, H4, H5, H6, H8, H10	Shelf	1.10	1 / 12
22218MR	8	Hex head	1165MR	H2, H2.5, H3, H4, H5, H6, H8, H10	Shelf	1.10	1 / 12
22319PR	9	torx head / Tamper resistant	1163R	T10H, T15H, T20H, T25H, T27H, T30H, T40H, T45H, T50H	Shelf	1.12	1 / 12

T - type Wrench

- Material - SNCM - V alloy steel
- Finishing - chrome plated with black tip

1150MR

▪ Hexagon with ball point head



KT NO.	mm	mm	mm	mm	g	
115002MR	H2	100	137	90	28	10 / 200
115025MR	H2.5	100	137	90	30	10 / 200
115003MR	H3	100	137	90	32	10 / 200
115004MR	H4	100	137	90	38	10 / 200
115005MR	H5	150	188	100	65	10 / 200
115006MR	H6	150	188	100	79	10 / 200
115008MR	H8	200	240	120	159	10 / 120
115010MR	H10	200	240	120	217	10 / 120

1155MR 1155SR

▪ Hexagon head



KT NO.	mm / inch	mm	mm	mm	g	
115502MR	H2	100	137	90	28	10 / 200
115525MR	H2.5	100	137	90	30	10 / 200
115503MR	H3	100	137	90	32	10 / 200
115504MR	H4	100	137	90	38	10 / 200
115505MR	H5	150	188	100	65	10 / 200
115506MR	H6	150	188	100	79	10 / 200
115508MR	H8	200	240	120	159	10 / 120
115510MR	H10	200	240	120	217	10 / 120
115525SR	5/64	100	137	90	28	10 / 200
115503SR	3/32	100	137	90	30	10 / 200
115504SR	1/8	100	137	90	32	10 / 200
115505SR	5/32	100	137	90	38	10 / 200
115506SR	3/16	150	188	100	65	10 / 200
115508SR	1/4	150	188	100	79	10 / 200
115510SR	5/16	200	240	120	159	10 / 120
115512SR	3/8	200	240	120	217	10 / 120

T - type Wrench & Set

KT No. & D1

- Material - SNCM - V alloy steel
- Finishing - chrome plated with black tip

1153R

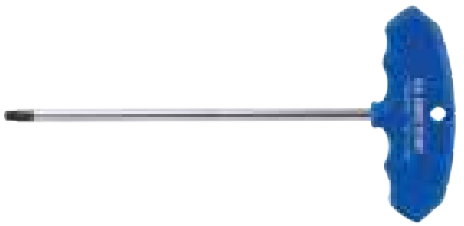
- For torx head screw



KT NO.	Size	mm	mm	mm	g	
115310R	T10	100	137	90	40	10 / 200
115315R	T15	100	137	90	40	10 / 200
115320R	T20	100	137	90	40	10 / 200
115325R	T25	100	137	90	40	10 / 200
115327R	T27	150	188	100	73	10 / 200
115330R	T30	150	188	100	74	10 / 200
115340R	T40	150	188	100	88	10 / 200
115345R	T45	200	240	120	173	10 / 120
115350R	T50	200	240	120	173	10 / 120

11A3R

- For torx head screw



KT NO.	Size	mm	mm	mm	g	
11A310R	T10	200	237	90	53	12 / 192
11A315R	T15	200	237	90	53	12 / 192
11A320R	T20	200	237	90	53	12 / 192
11A325R	T25	200	237	90	53	12 / 192
11A327R	T27	200	238	100	86	10 / 160
11A330R	T30	200	238	100	86	10 / 160
11A340R	T40	200	238	100	105	10 / 160



KT NO.	PC.	Spec	Contents		Kg	
21108MR	8	Ball hex type	1150MR	H2, H2.5, H3, H4, H5, H6, H8, H10	1.10	1 / 12
21208MR	8	Hexagon type	1155MR	H2, H2.5, H3, H4, H5, H6, H8, H10	1.10	1 / 12
21208SR	8		1155SR	5/64, 3/32, 1/8, 5/32, 3/16, 1/4, 5/16, 3/8	1.10	1 / 12
21309PR	9	torx head type	1153R	T10, T15, T20, T25, T27, T30, T40, T45, T50	1.20	1 / 12

T - handle Wrench

- Material - Chrome vanadium steel
- Finishing - chrome plated

1195M

- 6 Points
- For hexagon head screw
- The handle pin can be removed for another wrench







KT NO.	mm	mm	mm	g	
119502M	H2	64	127	22	10 / 200
119525M	H2.5	64	127	22	10 / 200
119503M	H3	64	127	23	10 / 200
119504M	H4	90	181	62	10 / 200
119505M	H5	90	182	65	10 / 200
119506M	H6	105	210	120	6 / 48
119508M	H8	124	250	224	4 / 32
119510M	H10	145	300	386	5 / 50

Wing Handle torx Screwdriver & Set

1153A



KT NO.	Size	mm	mm	mm	g	
1153A05R	T5	45	84	35	6	20 / 200
1153A06R	T6	45	84	35	6	20 / 200
1153A07R	T7	45	84	35	6	20 / 200
1153A08R	T8	45	84	35	6	20 / 200
1153A09R	T9	45	84	35	9	20 / 200
1153A10R	T10	45	84	35	9	20 / 200
1153A15R	T15	45	84	35	9	20 / 200
1153A20R	T20	45	84	35	9	20 / 200

23308PR



8 PC.

Contents

0.26 kg 1 / 20



1153A

T5, T6, T7, T8, T9, T10, T15, T20

Flag Handle torx Screwdriver & Set

1163A







KT NO.	Size	mm	mm	mm	g	
1163A05R	T5	45	84	31	7	20 / 200
1163A06R	T6	45	84	31	7	20 / 200
1163A07R	T7	45	84	31	7	20 / 200
1163A08R	T8	45	84	31	7	20 / 200
1163A09R	T9	45	84	31	9	20 / 200
1163A10R	T10	45	84	31	9	20 / 200
1163A15R	T15	45	84	31	9	20 / 200
1163A20R	T20	45	84	31	9	20 / 200

24308PR



8 PC.

Contents

0.27 kg 1 / 20

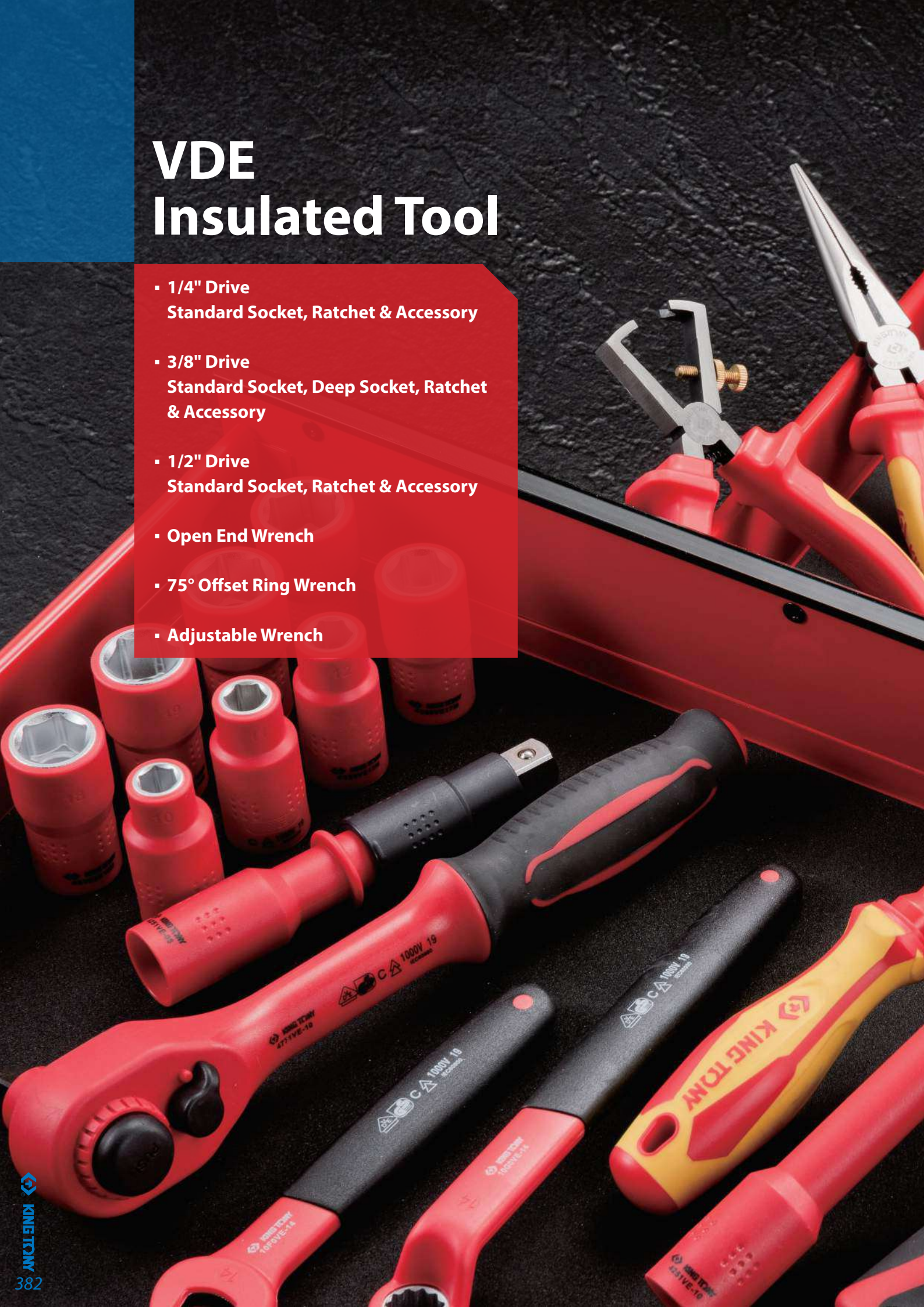


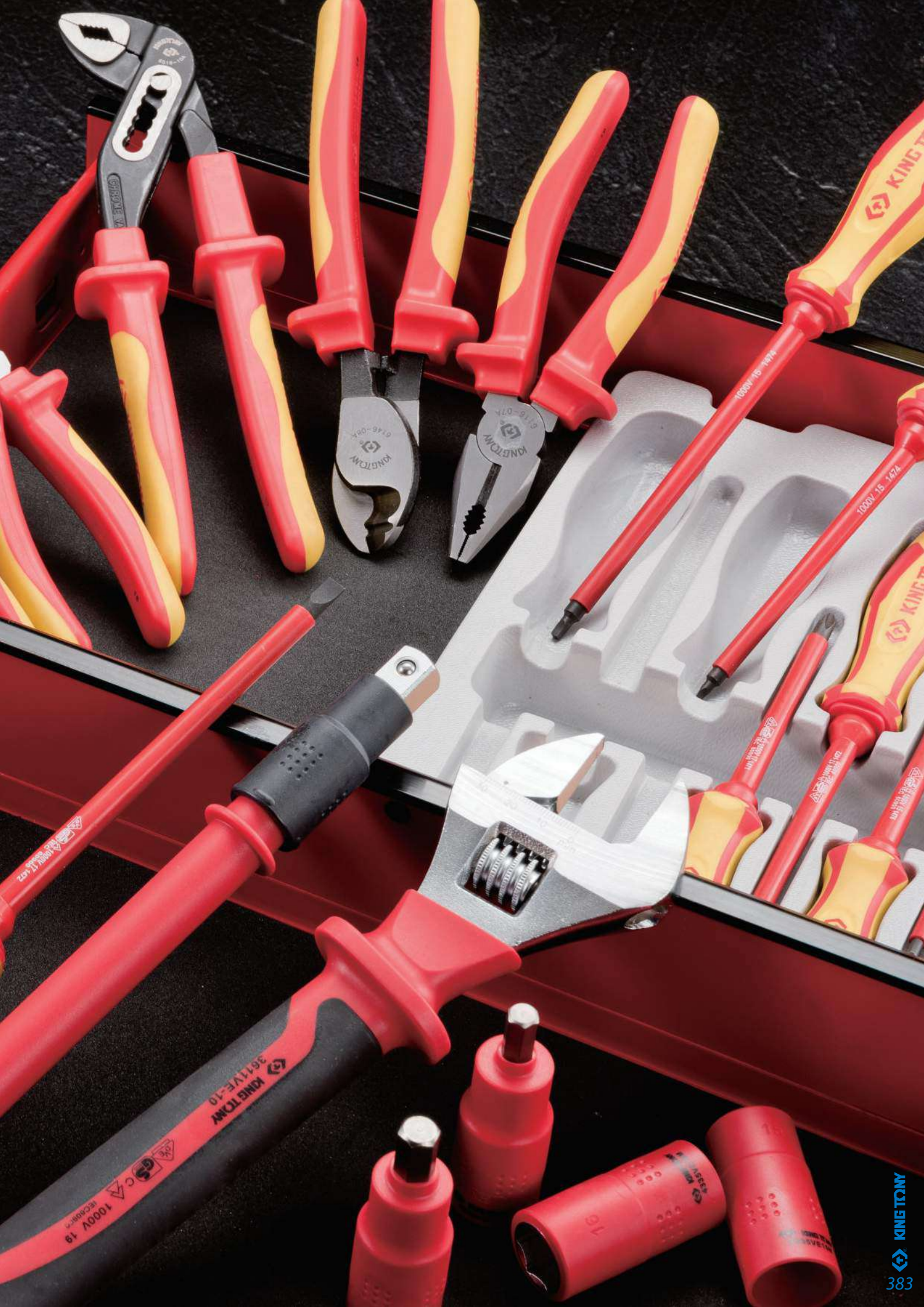
1163A

T5, T6, T7, T8, T9, T10, T15, T20

VDE Insulated Tool

- 1/4" Drive
  Standard Socket, Ratchet & Accessory
- 3/8" Drive
  Standard Socket, Deep Socket, Ratchet & Accessory
- 1/2" Drive
  Standard Socket, Ratchet & Accessory
- Open End Wrench
- 75° Offset Ring Wrench
- Adjustable Wrench




KING TONY
1000V-15-1474
KINGTONY
6146-06K
6118-07K
3611VE-10
1000V 19

Standard Socket

2335VE new — 1/4"

- IEC 60900:2004



KT NO.	mm	L mm	g	
2335VE05M	5	41	14	5 / 45
2335VE06M	6	41	15	5 / 45
2335VE07M	7	41	15	5 / 45
2335VE08M	8	41	15	5 / 45
2335VE09M	9	41	16	5 / 45
2335VE10M	10	41	18	5 / 45
2335VE11M	11	41	21	5 / 45
2335VE12M	12	41	23	5 / 45
2335VE13M	13	41	23	5 / 45
2335VE14M	14	41	26	5 / 45

Bit Socket

2035VE new — 1/4"

- IEC 60900:2004



KT NO.	mm	L mm	g	
2035VE03	H3	54	18	5 / 45
2035VE04	H4	54	18	5 / 45
2035VE05	H5	54	19	5 / 45
2035VE06	H6	54	20	5 / 45

Ratchet

2771VE new — 1/4"

- IEC 60900:2004



KT NO.	Overall length mm	g	
2771VE-55	150	140	2 / 32

Accessory

2221VE new — 1/4"

- IEC 60900:2004



KT NO.	Overall length mm	g	
2221VE-04	100	47	4 / 36
2221VE-06	150	68	4 / 48

2178VE new — 1/4"

- IEC 60900:2004



KT NO.	mm	g	
2178VE-05	125	82	4 / 40

Insulated Tool Set

25VE01MRV new — 1/4"

- IEC 60900:2004

Handy case size (mm) :
289 x 230 x 66(1.835cuft)

Contents		kg 1.30	1 / 10
2335VE	5, 6, 7, 8, 9, 10, 11, 12, 13, 14,		
2035VE	H3, H4, H5, H6		
2221VE	4, 6		
2771VE	2178VE		



18 PC.

Standard Socket

3335VE new — 3/8"

- IEC 60900:2004



KT NO.	mm	L mm	g	
3335VE06M	6	44.5	25	5 / 45
3335VE07M	7	44.5	26	5 / 45
3335VE08M	8	44.5	27	5 / 45
3335VE09M	9	44.5	27	5 / 45
3335VE10M	10	44.5	28	5 / 45
3335VE11M	11	44.5	29	5 / 45
3335VE12M	12	44.5	29	5 / 45
3335VE13M	13	44.5	32	5 / 45
3335VE14M	14	44.5	35	5 / 45
3335VE15M	15	46	40	5 / 45
3335VE16M	16	46	42	5 / 45
3335VE17M	17	46	47	5 / 45
3335VE18M	18	46	48	5 / 60
3335VE19M	19	46	51	5 / 60
3335VE20M	20	46	55	5 / 60
3335VE21M	21	46	59	5 / 60
3335VE22M	22	46	63	5 / 60
3335VE24M	24	46	66	5 / 60

Deep Socket

3235VE new — 3/8"

- IEC 60900:2004



KT NO.	mm	L mm	g	
3235VE08M	8	79	52	5 / 50
3235VE10M	10	79	60	5 / 50
3235VE12M	12	79	68	5 / 50
3235VE14M	14	79	76	5 / 50

Bit Socket

3025VE new — 3/8"

- IEC 60900:2004



KT NO.	mm	Overall length mm	g	
3025VE04	H4	65	37	5 / 50
3025VE05	H5	65	38	5 / 50
3025VE06	H6	65	39	5 / 50
3025VE08	H8	65	42	5 / 50
3025VE10	H10	65	51	5 / 50

Ratchet

3771VE new — 3/8"

- IEC 60900:2004



KT NO.	Overall length mm	g	
3771VE-08	200	300	2 / 20

Accessory

3221VE new — 3/8"

- IEC 60900:2004



KT NO.	Overall length mm	g	
3221VE-06	150	150	4 / 48
3221VE-10	250	250	4 / 24

3178VE new — 3/8"

- IEC 60900:2004



KT NO.	mm	g	
3178VE-08	200	240	2 / 12

Insulated Tool Set

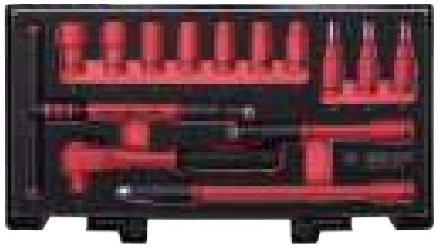
35VE01MRV new — 3/8"

- IEC 60900:2004

Handy case size (mm) :
389 x 230 x 66(1.49cuft)

Contents — 2.16 kg / 1 / 6

3335VE	10, 11, 12, 13, 14, 17, 19
3025VE	5, 6, 8,
3221VE	6, 10,
3771VE	3178VE



14 PC.

VDE INSULATED TOOL

Standard Socket

4335VE new 1/2"

- IEC 60900:2004



KT NO.	mm	L mm	g	
4335VE08M	8	55	54	5 / 40
4335VE10M	10	55	55	5 / 40
4335VE11M	11	55	57	5 / 40
4335VE12M	12	55	58	5 / 40
4335VE13M	13	55	59	5 / 40
4335VE14M	14	55	62	5 / 40
4335VE15M	15	55	60	5 / 40
4335VE16M	16	55	60	5 / 40
4335VE17M	17	55	70	5 / 50
4335VE18M	18	55	77	5 / 50
4335VE19M	19	55	72	5 / 50
4335VE20M	20	55	80	5 / 50
4335VE21M	21	55	73	5 / 50
4335VE22M	22	55	87	5 / 50
4335VE24M	24	55	96	5 / 50
4335VE27M	27	59	125	5 / 50
4335VE30M	30	59	146	5 / 50
4335VE32M	32	59	170	5 / 50

Bit Socket

4025VE new 1/2"

- IEC 60900:2004



KT NO.	mm	Overall length mm	g	
4025VE04	H4	75	78	5 / 50
4025VE05	H5	75	78	5 / 50
4025VE06	H6	75	79	5 / 50
4025VE08	H8	75	80	5 / 50
4025VE10	H10	75	89	5 / 50

4035VE new 1/2"

- IEC 60900:2004



KT NO.	mm	Overall length mm	g	
4035VE04	H4	120	99	5 / 50
4035VE05	H5	120	99	5 / 50
4035VE06	H6	120	100	5 / 50
4035VE08	H8	120	102	5 / 50
4035VE10	H10	120	121	5 / 50

Ratchet

4771VE new 1/2"

- IEC 60900:2004



KT NO.	Overall length mm	g	
4771VE-10	250	570	2 / 20

Accessory

4251VE new 1/2"

- IEC 60900:2004



KT NO.	Overall length mm	g	
4251VE-05	125	210	4 / 40
4251VE-10	250	410	4 / 40

4178VE new 1/2"

- IEC 60900:2004



KT NO.	mm	g	
4178VE-08	200	330	2 / 12

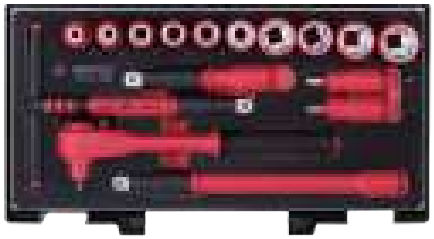
Insulated Tool Set

45VE01MRV new 1/2"

- IEC 60900:2004

Handy case size (mm) :
389 x 230 x 66(1.49cuft)

Contents	Kg 3.22	1 / 6
4335VE	8, 10, 12, 13, 14, 17, 19, 21, 22, 24	
4025VE	H8, H10	
4251VE	5, 10	
4771VE	4178VE	



16 PC.

Open End Wrench

10F0VE new

- IEC 60900:2004

KT NO.	Size mm	L mm	g	
10F0VE-07	7	88	20	5 / 50
10F0VE-08	8	104	26	5 / 50
10F0VE-09	9	104	26	5 / 50
10F0VE-10	10	114	40	5 / 50
10F0VE-11	11	124	60	5 / 50
10F0VE-12	12	124	60	5 / 50
10F0VE-13	13	154	90	5 / 50
10F0VE-14	14	154	90	5 / 50
10F0VE-16	16	170	125	5 / 50
10F0VE-17	17	170	125	5 / 50
10F0VE-18	18	180	150	5 / 50
10F0VE-19	19	180	150	5 / 50
10F0VE-21	21	202	215	5 / 50
10F0VE-22	22	202	215	5 / 50
10F0VE-24	24	237	270	5 / 40

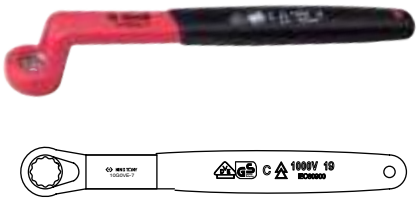


75° Offset Ring Wrench

10G0VE new

- IEC 60900:2004

KT NO.	Size mm	L mm	g	
10G0VE-07	7	149	62	5 / 50
10G0VE-08	8	164	70	5 / 50
10G0VE-09	9	164	70	5 / 50
10G0VE-10	10	174	80	5 / 50
10G0VE-11	11	184	90	5 / 50
10G0VE-12	12	184	90	5 / 50
10G0VE-13	13	205	140	5 / 40
10G0VE-14	14	205	140	5 / 40
10G0VE-16	16	221	185	5 / 40
10G0VE-17	17	221	185	5 / 40
10G0VE-18	18	237	235	5 / 50
10G0VE-19	19	237	235	5 / 50
10G0VE-21	21	257	295	5 / 40
10G0VE-22	22	257	295	5 / 40
10G0VE-24	24	287	390	5 / 40

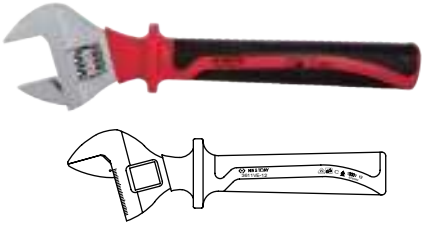


Adjustable Wrench

3611VE new

- IEC 60900:2004

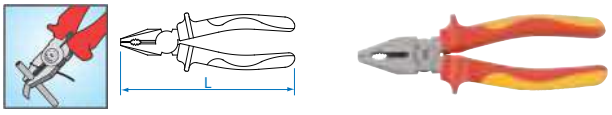
KT NO.	mm	L mm	g	
3611VE-06	24	164	167	4 / 32
3611VE-08	28	212	273	4 / 32
3611VE-10	32	260	497	4 / 32
3611VE-12	38	310	679	4 / 24



- Grip material-TPR
- Chrome vanadium steel
- Polished head
- IEC DIN EN 60900

Combination Pliers

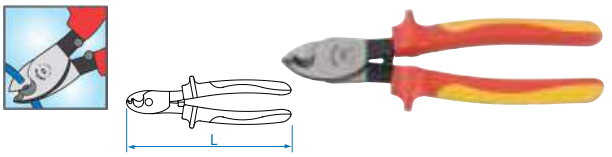
6116



KT NO.	L inch	L mm	ø mm 4.0	3.0	2.0	1.6	g	
6116-07A	7-1/2	185	4.0	3.0	2.0	1.6	290	10 / 60
6116-08A	8	200	4.0	3.0	2.0	1.6	386	10 / 60

Cable Cutting Pliers

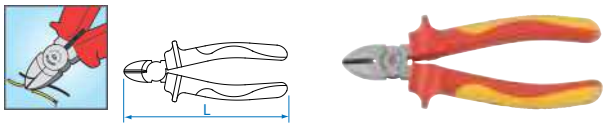
6146



KT NO.	L inch	L mm	ø mm	g	
6146-08A	8-1/4	214	14	360	10 / 60

Diagonal Cutting Pliers

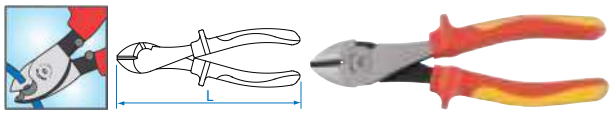
6216



KT NO.	L inch	L mm	ø mm 4.0	2.8	2.0	1.6	g	
6216-06A	6-1/2	167	4.0	2.8	2.0	1.6	230	10 / 60

Heavy Duty Diagonal Cutting Pliers

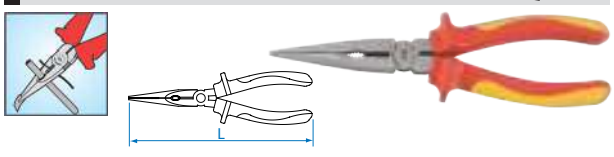
6236



KT NO.	L inch	L mm	ø mm 5.0	3.5	2.4	2.0	g	
6236-07A	7-1/2	190	5.0	3.5	2.4	2.0	280	10 / 60

Long Nose Pliers

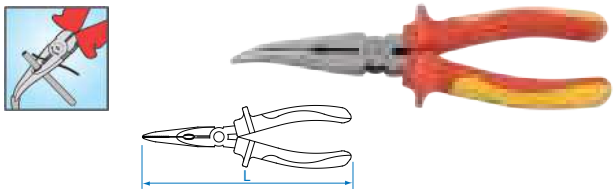
6318



KT NO.	L inch	L mm	ø mm 4.0	2.8	2.0	1.6	g	
6318-08A	8-1/4	210	4.0	2.8	2.0	1.6	230	10 / 60

Bent Nose Pliers

6336

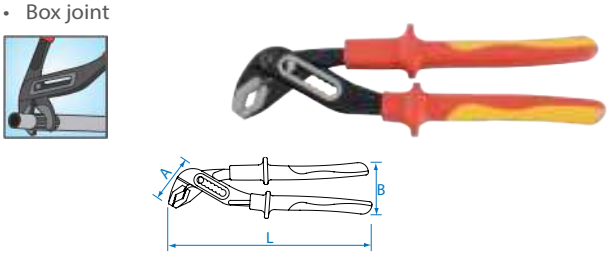


KT NO.	L inch	L mm	ø mm 4.0	3.0	2.0	1.6	g	
6336-08A	8	200	4.0	3.0	2.0	1.6	250	10 / 60

Groove Joint Pliers

6516

- Box joint

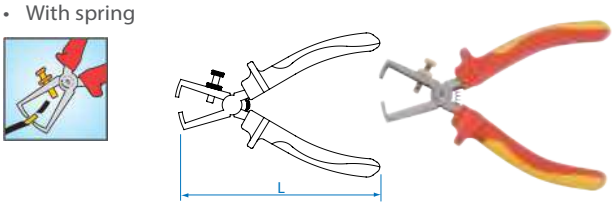


KT NO.	A mm	B mm	L inch	L mm	mm	g	
6516-10A	55	63	10	250	36	420	10 / 50

Stripping Pliers

6716

- With spring



KT NO.	L inch	L mm	ø mm	Wire stripper mm²	g	
6716-06A	6-1/4	160	5	10	205	10 / 60

Insulated Pliers Set

40603GP

3 PC.



Contents — Kg 0.89 — 1 / 20



6116-07A | 6318-08A | 6216-06A

Insulated Screwdriver

KT No. & D1



- Shank material - SNCM - V alloy steel
- Grip material - PP + TPR
- Finishing - chrome plated with black tip

1471

- Phillips head, round shank
- IEC 60900:2004

KT NO.	No.	mm	inch	mm		
14710003	PH0	75	3	3.0	37	12 / 144
14710104	PH1	100	4	4.5	54	12 / 216
14710204	PH2	100	4	6.0	77	12 / 144
14710306	PH3	150	6	8.0	135	12 / 144



147E new

- PlusMinus Insulated Screwdriver
- Phillips/Slotted hand,round shake
- IEC 60900:2004



KT NO.	No.	mm	inch	mm		
147E0104	SL/PH1	100	4	4.5	61	12 / 216
147E0204	SL/PH2	100	4	6.0	85	12 / 144



1472

- Slotted head, round shank
- IEC 60900:2004

KT NO.	mm	inch	mm	mm	inch	mm		
14720303	3	1/8	0.5	75	3	3.0	38	12 / 144
14720404	4	3/16	0.8	100	4	4.0	44	12 / 96
14723504	3.5	1/8	0.6	100	4	3.5	54	12 / 144
14725505	5.5	7/32	1	125	5	5.5	72	12 / 144
14726506	6.5	1/4	1.2	150	6	6.5	87	12 / 144
14720807	8	5/16	1.2	175	7	8.0	143	12 / 144



1474

- Square head, round shank
- IEC 60900:2004

KT NO.	Size	mm	inch	mm		
14740105	RB1	125	5	5.5	72	12 / 144
14740206	RB2	150	6	6.5	87	12 / 144



1478

- Pozidriv head, round shank
- IEC 60900:2004

KT NO.	Size	mm	inch	mm		
14780003	PZ0	75	3	3.0	37	12 / 144
14780104	PZ1	100	4	4.5	54	12 / 96
14780204	PZ2	100	4	6.0	77	12 / 144
14780306	PZ3	150	6	8.0	135	12 / 144



Insulated Screwdriver Set

- Shank material - SNCM - V alloy steel
- Grip material - PP + TPR
- Finishing - chrome plated with black tip



0.86 | 1 / 20

KT NO.	PC.	Contents	
new 30606MR	6	1471	PH0 x 75, PH2 x 100, PH3 x 150
		1472	3 x 75, 4 x 100, 6.5 x 150
30607MR	7	1472	4 x 100, 5.5 x 125, 6.5 x 150, 8.0 x 175
		1478	PZ1 x 100, PZ2 x 100, PZ3 x 150
30607MR02	7	1471	PH1 x 100, PH2 x 100
		1472	4 x 100, 5.5 x 125, 6.5 x 150
		1474	1 x 125, 2 x 150
30617MR	7	1471	PH1 x 100, PH2 x 100, PH3 x 150
		1472	4 x 100, 5.5 x 125, 6.5 x 150, 8.0 x 175



0.50 | 1 / 30

KT NO.	PC.	Contents	
30605MR	5	1472	4 x 100, 5.5 x 125, 6.5 x 150
		1478	PZ1 x 100, PZ2 x 100
30615MR	5	1471	PH1 x 100, PH2 x 100
		1472	4 x 100, 5.5 x 125, 6.5 x 150

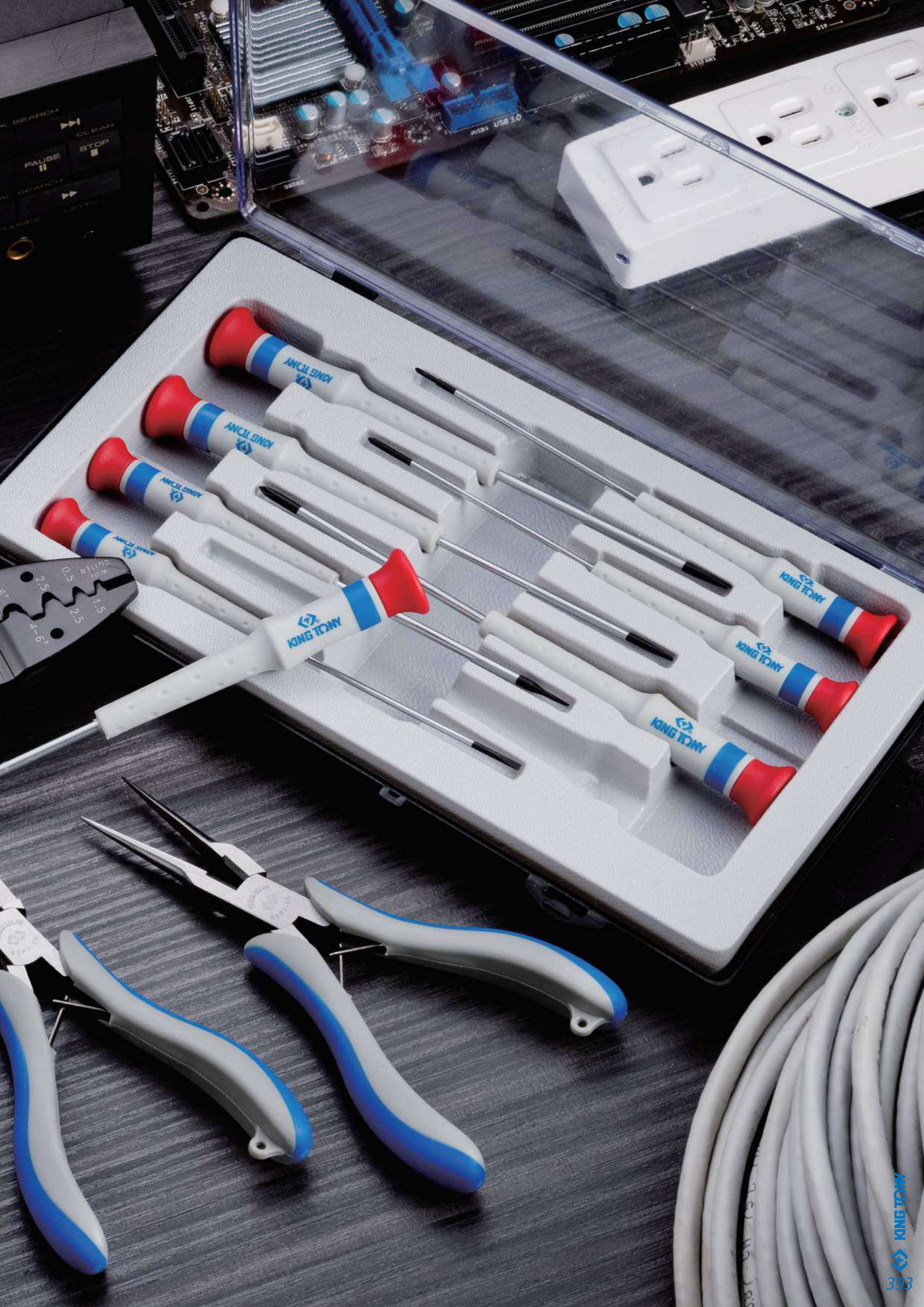
VDE Insulated Tools

IC SPECIALIZED TOOLS

- Precision Pliers
- Precision Screwdriver
- Soldering & Desoldering
- Tweezers
- Soldering Iron Stand
- Punch Down Tools

MEASURING TOOLS

- Digital Multimeter
- Tester Tools

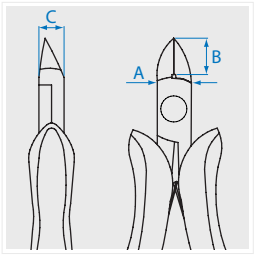

KING TONY

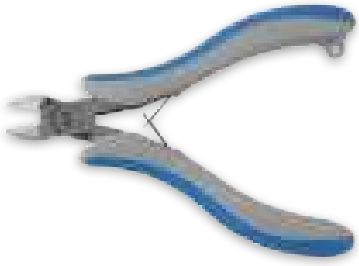
Precision Pliers

6207-05

Diagonal cutting nippers





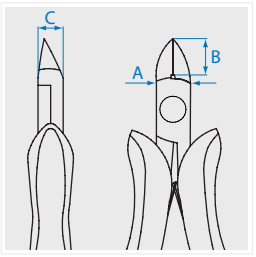


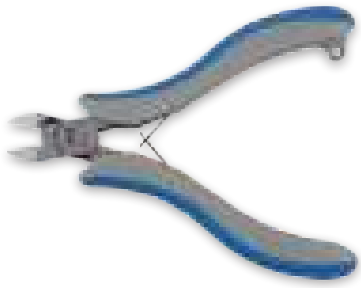
KT NO.	Overall length inch	Overall length mm	Cutting capacities ⊙ ø mm	Cutting capacities ◉ ø mm	A mm	B mm	C mm	g	
6207-05	4-3/4	118	2.0	1.6	10.8	11.5	7.1	88	6 / 120

6927-05

For plastic







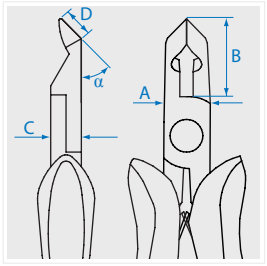
KT NO.	Overall length inch	Overall length mm	A mm	B mm	C mm	g	
6927-05	4-3/4	118	10.3	11.5	7.1	71	6 / 120

6217-05

Diagonal cutting nippers





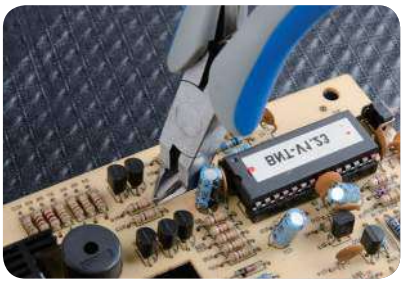


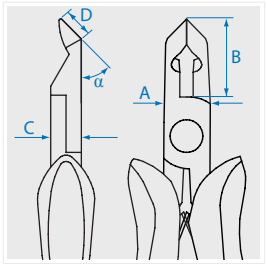


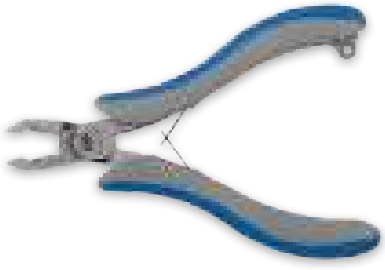
KT NO.	Overall length inch	Overall length mm	Cutting capacities ⊙ ø mm	Cutting capacities ◉ ø mm	α	A mm	B mm	C mm	D mm	g	
6217-05	4-3/4	118	2.0	1.0	35°	11.8	17	12.7	17.7	76	6 / 120

6247-05

Diagonal cutting nippers







KT NO.	Overall length inch	Overall length mm	Cutting capacities ⊙ ø mm	Cutting capacities ◉ ø mm	α	A mm	B mm	C mm	D mm	g	
6247-05	5	125	1.0	0.5	45°	11.4	19.4	7.5	55	73	6 / 120

Precision Pliers

6271C

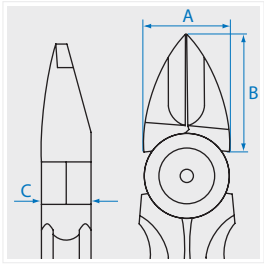
Diagonal cutting nippers

- The cutting edge hardness at least 73° HRC up





- The cutting edge is made from tungsten steel for an extremely long service life.



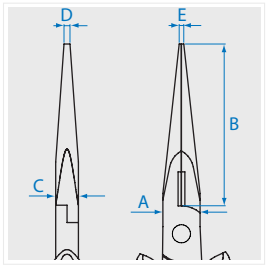


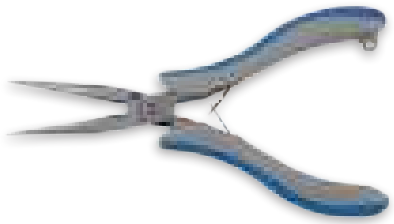
KT NO.	Overall length inch	Overall length mm	●	A mm	B mm	C mm	g	
6271-05C	5	125	0.6	13.2	15	7.1	77	6 / 120
6271-65C	6-1/2	160	0.6	19.2	26	10.7	151	6 / 120

6317-06

Long nose pliers





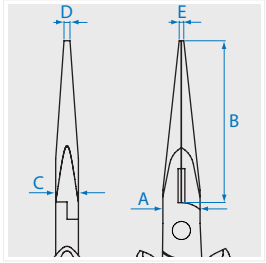


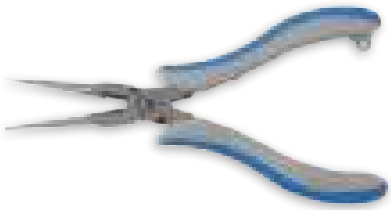
KT NO.	Overall length inch	Overall length mm	Cutting capacities ⊙ ø mm	Cutting capacities ◉ ø mm	A mm	B mm	C mm	D mm	E mm	g	
6317-06	6	157	2.0	1.6	11.6	50	7.5	2	2	84	6 / 120

6367-06

Half-round nose pliers





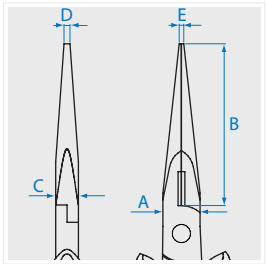


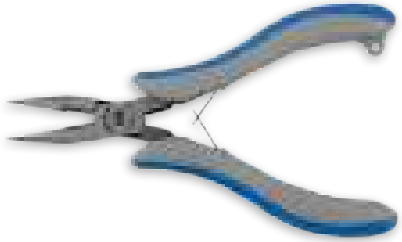
KT NO.	Overall length inch	Overall length mm	Cutting capacities ⊙ ø mm	Cutting capacities ◉ ø mm	A mm	B mm	C mm	D mm	E mm	g	
6367-06	6	154	2.0	1.6	11.7	46	7.5	1.5	1.7	78	6 / 120

6377-55

Half-round nose pliers







KT NO.	Overall length inch	Overall length mm	Cutting capacities ⊙ ø mm	Cutting capacities ◉ ø mm	A mm	B mm	C mm	D mm	E mm	g	
6377-55	5-1/2	138	2.0	1.6	11.3	30	7.5	1.5	1.5	97	6 / 120

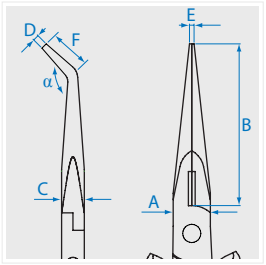
Precision Pliers

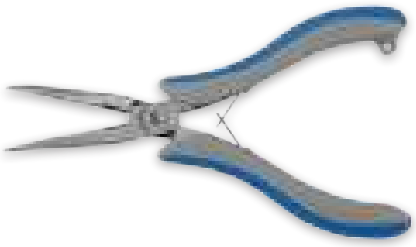
6337-06

Bent nose pilers





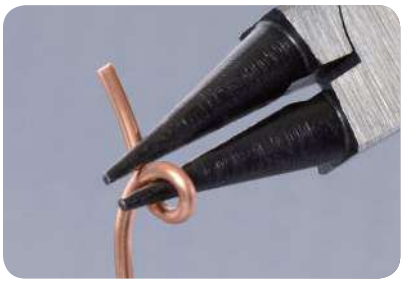


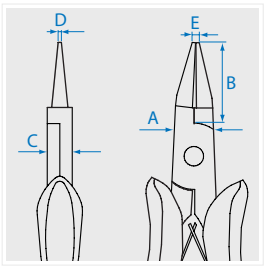


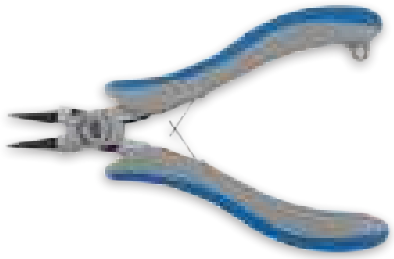
KT NO.	Overall length inch	Overall length mm	Cutting capacities ø mm	Cutting capacities ø mm	α	A mm	B mm	C mm	D mm	E mm	F mm	g	
6337-06	6	154	2.0	1.6	40°	11.3	50	7.5	2	2.5	14	84	6 / 120

6347-05

Round-nose pliers



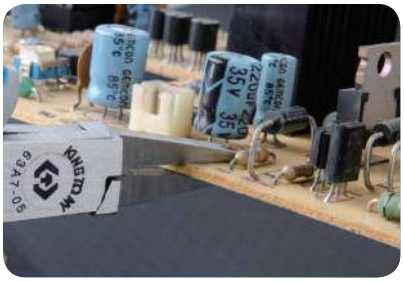


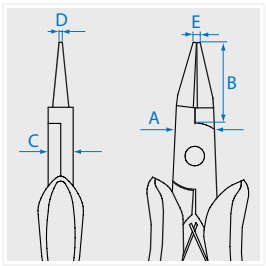


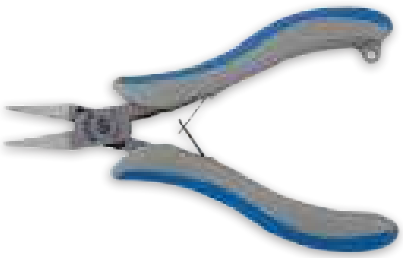
KT NO.	Overall length inch	Overall length mm	A mm	B mm	C mm	D mm	E mm	g	
6347-05	5	128	11.4	24.9	7.5	1	2.14	74	6 / 120

63A7-05

Round-nose pliers





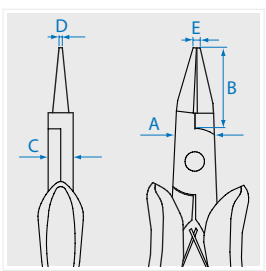


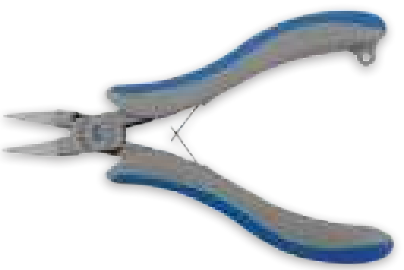
KT NO.	Overall length inch	Overall length mm	A mm	B mm	C mm	D mm	E mm	g	
63A7-05	5	128	11.5	24.7	7.5	3.3	1.8	75	6 / 120

63B7-05

Round-nose pliers







KT NO.	Overall length inch	Overall length mm	A mm	B mm	C mm	D mm	E mm	g	
63B7-05	5	128	11.5	24.7	7.5	1.3	1.8	74	6 / 120

Precision Screwdriver

- Shank material - SNCM - V alloy steel
- Grip material - PP
- Finishing - chrome plated with black tip

1431

- Phillips head, round shank
- DIN ISO 8764

KT NO.	No.	Ø mm	mm	g	
14313015	PH000	1.5	40	7	10 / 320
14312015	PH00	2.0	40	7	10 / 320
14311015	PH0	3.0	40	13	10 / 100
14311115	PH1	4.0	40	16	10 / 100
14313003	PH000	1.5	75	8	10 / 320
14312003	PH00	2.0	75	8	10 / 320
14311003	PH0	3.0	75	14	10 / 100
14311103	PH1	4.0	75	18	10 / 100



1432

- Slotted head, round shank
- Metric size
- DIN 5263

KT NO.	mm	mm	mm	Ø mm	g	
14320615	0.6	0.15	40	3.0	9	10 / 320
14320815	0.8	0.19	40	3.0	9	10 / 320
14321015	1.0	0.20	40	3.0	9	10 / 320
14321515	1.5	0.23	40	3.0	10	10 / 320
14321815	1.8	0.30	40	3.0	10	10 / 320
14322015	2.0	0.40	40	2.0	11	10 / 100
14322515	2.5	0.40	40	2.5	12	10 / 100
14323015	3.0	0.50	40	3.0	13	10 / 100
14323515	3.5	0.60	40	3.5	14	10 / 100
14324015	4.0	0.80	40	4.0	16	10 / 100
14321003	1.0	0.20	75	3.0	11	10 / 320
14321503	1.5	0.23	75	3.0	11	10 / 320
14321803	1.8	0.30	75	3.0	11	10 / 320
14322003	2.0	0.40	75	2.0	11	10 / 100
14322503	2.5	0.40	75	2.5	13	10 / 100
14323003	3.0	0.50	75	3.0	15	10 / 100
14323503	3.5	0.60	75	3.5	16	10 / 100
14324003	4.0	0.80	75	4.0	18	10 / 100



1433

- For torx head, round shank

KT NO.	Size	Ø mm	mm	g	
14330415	T4	3	40	10	10 / 320
14330515	T5	3	40	10	10 / 320
14330615	T6	3	40	10	10 / 100
14330715	T7	3	40	10	10 / 100
14330815	T8	3	40	10	10 / 320
14330902	T9	4	50	16	10 / 100
14331002	T10	4	50	16	10 / 100
14331502	T15	4	50	16	10 / 100
14332002	T20	4	50	16	10 / 100
14330403	T4	3	75	11	10 / 320
14330503	T5	3	75	11	10 / 320
14330603	T6	3	75	11	10 / 320
14330703	T7	3	75	11	10 / 320
14330803	T8	3	75	11	10 / 320
14330903	T9	4	75	18	10 / 100
14331003	T10	4	75	18	10 / 100
14331503	T15	4	75	18	10 / 100
14332003	T20	4	75	18	10 / 100



Precision Screwdriver & Set

91230

- Screwdriver handle for interchangeable blades 2431, 2433
- Handle material - polypropylene (PP)



KT NO.	mm		
91230	100	12	10 / 100

2431

- Combination type
- Phillips / Slotted head, hexagonal shank
- Blade material - SNCM - V alloy steel
- Finishing - chrome plated with black tip



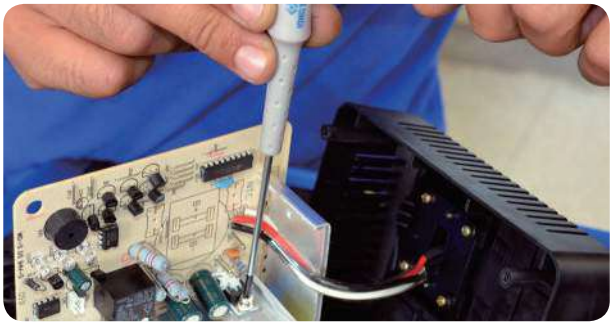
KT NO.	No.	mm	mm	mm	mm		
24312020	PH00	2.0	0.30	4	120	11	20 / 200
24311030	PH0	3.0	0.50	4	120	11	20 / 200
24311140	PH1	4.0	0.60	4	120	11	20 / 200

2433

- Combination type
- Torx head, hexagonal shank
- Blade material - SNCM - V alloy steel
- Finishing - chrome plated with black tip



KT NO.	Size	mm	mm		
24330610	T6 x T10	4	120	11	20 / 200
24330715	T7 x T15	4	120	11	20 / 200
24330820	T8 x T20	4	120	11	20 / 200
24330915	T9 x T15	4	120	11	20 / 200



KT NO.	PC.	Contents		
32218MR	8	1432 — 1.0 x 75, 1.5 x 75, 1.8 x 75, 2.0 x 75, 2.5 x 75, 3.0 x 75, 3.5 x 75, 4.0 x 75	0.32	1 / 30
32209MR	9	1432 — 0.8 x 40, 1.0 x 40, 1.5 x 40, 1.8 x 40, 2.0 x 40, 2.5 x 40, 3.0 x 40, 3.5 x 40, 4.0 x 40	0.26	1 / 30
32108MR	8	1431 — PH000 x 40, PH00 x 40,PH0 x 40, PH1 x 40 1432 — 1.5 x 40, 2.0 x 40, 2.5 x 40, 3.0 x 40	0.29	1 / 30
32118MR	8	1431 — PH000 x 75, PH.00 x 75, PH0 x 75, PH1 x 75 1432 — 1.5 x 75, 2.0 x 75, 2.5 x 75, 3.0 x 75	0.36	1 / 30
32309PR	8	1433 — T4 x 40, T5 x 40, T6 x 40, T7 x 40, T8 x 40, T9 x 50, T10 x 50, T15 x 50, T20 x 50	0.26	1 / 30
32607MR	8	91230 2431 — PH00 x 2.0, PH0 x 3.0, PH1 x 4.0 2433 — T6 x T10, T7 x T15, T8 x T20, T9 x T15	0.22	1 / 30



Precision Screwdriver Set

31419MR

- Precision screwdriver set

KT NO.	Contents		Each Q'ty
31419MR	1431	PH000 x 40, PH00 x 40, PH0 x 40, PH1 x 40	6
	1432	0.6 x 40, 0.8 x 40, 1.0 x 40, 1.5 x 40, 1.8 x 40, 2.0 x 40, 2.5 x 40, 3.0 x 40, 3.5 x 40, 4.0 x 40	
	1433	T4 x 40, T5 x 40, T6 x 40, T7 x 40, T8 x 40	



114 PC.

Screwdriver shelf size (mm) : 383 x 136 x 130

KT NO.	Kg	CUFT
31419MR-A	0.79	0.23
31419MR-D	1.17	0.14

Soldering Iron

6BC23 — 30W

6BC26 — 60W

- 110V~240V, 30W, 40W, 60W, 100W
- For electrical and stained glass work

KT NO.	Voltage V	Rating W	g	
6BC23A	220-240	30	160	54
6BC23B	220-240	30	125	54
6BC23C	220-240	30	196	32
6BC23D	220-240	30	160	32
6BC23F	110-120	30	125	54
6BC24A	220-240	40	125	54
6BC24B	220-240	40	125	54
6BC24C	220-240	40	196	32
6BC24F	110-120	40	125	54
6BC26A	220-240	60	166	54
6BC26B	220-240	60	166	54
6BC26C	220-240	60	216	32
6BC26F	110-120	60	166	54
6BC210A	220-240	100	210	20
6BC210B	220-240	100	210	20
6BC210C	220-240	100	330	20
6BC210D	220-240	100	288	20
6BC210F	110-120	100	210	20

6BC24 — 40W

6BC210 — 100W

- Lightweight handle
- Replaceable tip
- No CE certification



6BC210



6BC23 / 6BC24 / 6BC26



Soldering Iron Tip (Conical Type)

6BC23-1

6BC26-1

6BC26-3

- Copper-based iron tips are manufactured using patented process which produces a uniform iron and chrome plating thickness
- All tips are pre-tinned

KT NO.	Rating W	Ø mm	g	
6BC23-1	30 / 40	4	13	100 / 4200
6BC26-1	60	6	16	100 / 1600
6BC26-3	60	6	16	100 / 1600



6BC23-1

6BC26-1

6BC26-3

Gas Soldering Iron Set

6BC3007

- Power range : 30W-150W
- Cordless
- Four different tips
- Soldering temperature can be adjusted : 400°C~450°C (750°F~840°F)
- Tank fuel for 90 minutes of operation
- Torch temperature:1300°C (2400°F)
- Fuel capacity: 20ml
- Ready to use 45 seconds after ignition
- Pure butane gas



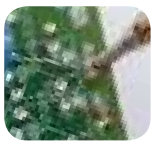
8 PC.

KT NO.	Contents	Kg 0.45	20
6BC372		Gas saldering iron 257mm	
6BC372-1	+ 	Conical	
6BC372-2		2.5mm round	
6BC372-3		3.5mm chisel	
6BC372-4		4.5mm angle	
6BC372-5		Reflector	
6BF21-17		Desolder wire / Sn 99.3%, Cu 0.7%	
		Foam	










Desolder Wire

6BF11-17

- 40% lead and 60% tin



KT NO.	Size mm	g	
6BF11-17	1.0	17	20 / 480

Desoldering Pump

6BD11

- One-hand operation
- ABS Body, teflon nozzle




KT NO.	Overall length mm	g	
6BD11	195	42	8 / 32

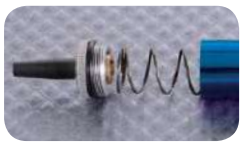
6BD22

- Anti-static solder desoldering pump
- Teflon suction head
- Aluminum body






• Turn down the body




• Clean

• Turn up the body

KT NO.	Overall length mm	g	
6BD22	197	85	50 / 100

Soldering Aid

6BE11-07

- Brush / Scraper :
  For removing flux residue and surplus solder

6BE12-07

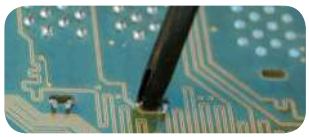
- Scraper / Curved Probe :
  For component and lead extraction

6BE16-07

- Pointed / Slotted Probe :
  Fits wire up to 22AWG
  For wrapping and unwrapping etc

KT NO.	Overall length mm	g	
6BE11-07	175	15	1 / 200
6BE12-07	175	15	1 / 200
6BE16-07	180	15	1 / 200





Straight Fine Point Tweezers

6AF11-125

- Stainless steel with straight fine point
- Used for soldering integrated circuit chip, installing or replacing components
- It's suitable for doing precise repairing work



KT NO.	Overall length mm	g	
6AF11-125	124	16	50 / 800

Reverse Action Tweezers

6AF21-165

- Stainless steel with tapered tips and flat points
- For holding small parts when soldering or spraying



KT NO.	Overall length mm	g	
6AF21-165	172	29	30 / 480

Mini Soldering Iron Stand

6BC100

- Lightweight and high temperature bakelite resistance
- Mini size, easy to take
- Used for holding solder iron

12 g 12 / 240



Soldering Iron Stand with Sponge

6BC200

- Suitable for most pencil type soldering irons
- Convenient for easy storage
- Sponge for tip cleaning
- Double spiral spring construction prevents the hot soldering iron from accidentally burning the surface of other objects when it is inserted into the stand

187 g 4 / 24

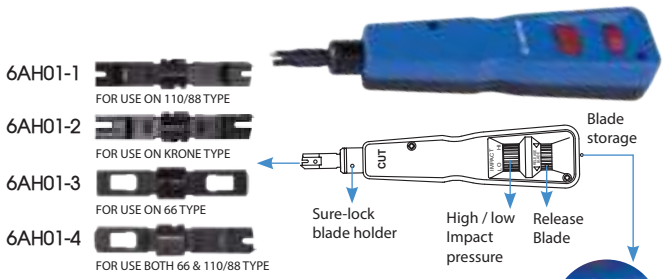


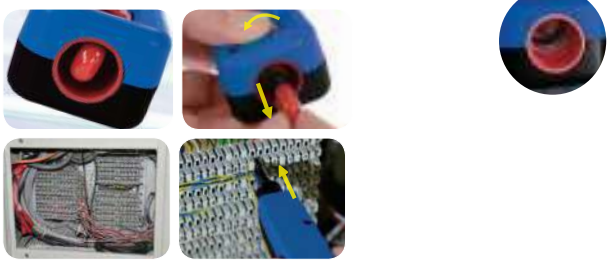
Punch Down Tool

6AH

- For setting wire into terminal blocks or cut off wire end after terminated
- Blade : 66 & 110/88 & Krone type

KT NO.	Type	Overall length inch	mm	g	
6AH11	110/88	6-3/4	170	140	20 / 80
6AH12	KRONE	6-3/4	170	140	20 / 80
6AH13	66	6-3/4	170	140	20 / 80
6AH14	66 &110/88	6-3/4	170	140	20 / 80





PVC Electrical Insulation Tape

6AG11-20



KT NO.	Overall length mm	g	
6AG11-20	18	52	1 / 250

Electronic Tool Set

- To repair electronic equipment....etc.

90217PQ

6BC23B
Soldering iron 220V/30W

90217PQ01

6BC23A
Soldering iron 220V/30W

90217PQ02

6BC23D
Soldering iron 220V/30W

90217PQ03

6BC23F
Soldering iron 110V/30W



17 PC.

Contents	Kg 1.26	1 / 8
1412	3 x 75, 5.5 x 100, 6.5 x 100	
1411	PH0 x 75, PH1 x 100, PH2 x 100	
6207-05	6377-55	6741-06
3611-06R	6BC23	6BC100
6BF11-17	6BD11	6AF11-125
6CB02	7976-65	

Electronic & Electrician Tool Set

91333MQ

- For electrician equipment



33 PC.

87711C
Overall size :
550 x 285 x 370 mm / 39 inner pockets

Contents	kg 6.02	1
1421	PH1 x 80, PH2 x 100	
1422	5 x 75, 5 x 100, 6.5 x 100, 6.5 x 150	
1471	VDE PH2 x 100	
1472	VDE 6.5 x 150	
6116-07A	VDE 7-1/2"	
6216-06A	VDE 6-1/2"	
6318-08A	VDE 8-1/4"	
6716-06A	VDE 6-1/4"	
20109MR	1.5, 2, 2.5, 3, 4, 5, 6, 8, 10	
20129SR	1/16, 3/32, 1/8, 5/32, 3/16, 1/4, 5/16, 3/8, 5/64	
3611-08R	200mm	
79093-05C	5M/16FT 19mm	
7971-07	165mm	

Electrician Tool Box Set

97121PQ new

21 PC.

Contents		4.9	1	CUFT 0.79
⊕	1471	VDE PH0 x 75, PH1 x 100, PH2 x 100, PH3 x 150		
⊖	1472	VDE 3 x 75, 4 x 100, 5.5 x 125, 6.5 x 150, 8 x 175		
	6116-07A	VDE 7-1/2"		
	6146-08A	VDE 8-1/4"		
	6216-06A	VDE 6-1/2"		
	6318-08A	VDE 8-1/4"		
	6516-10A	VDE 10"		
	6716-06A	VDE 6-1/4"		
	6214-45	4-1/2"		
	6334-05	5"		
	6721-10			
	6751-44			
	6AB12-55			
	7932-04			



87407
Overall size :
445 x 240 x 206 mm

91038MY01

- For electronic & electrician equipment…etc

38 PC.

Contents			3.13	1
⊕	1421	PH0 x 60, PH1 x 80, PH2 x 100		
⊖	1422	3 x 75, 5 x 75, 6.5 x 100		
	6207-05	6377-55	6AB12-55	
	6BF11-17	6BD11	6313-06	
	7976-65	6AF11-125	6732-09	
	6BC24A 220V / 40W	87137	6BC200	6AG11-20
	6BE11-07	6BE12-07	6BE16-07	
	9DM1361	1036ZQ	ST20219MY1	
	87721B			



87721B
Overall size : 360 x 200 x 250 mm

Lit when in DC mode measurement

Lit when in AC mode measurement

Negative polarity indicator-lit when the polarity is negative

AUTO Auto range indicator

Lit when in continuity check

Lit when in diode check

D-H Date hold indication

Lit when the battery is low

MΩ KΩ Ω Unit for resistance measurement

mV V Unit for voltage measurement

1.8.8.8 Numeral date display

hFE Lit when in transistor hFE check

μA mA A Unit for current measurement

LCD DISPLAY

SELECT KEY

DATA HOLD KEY



INPUT TERMINAL 10A USEAGE ONLY

· The Max. protective fuse for μA、μA、mA、mA 0.5A/250V
· The Max.protective fuse for 10A、10A 15A/250V

POWER & FUNCTION SWITCH

AC voltage measurement

DC voltage measurement

AC/DC current measurement in micro-amperes

AC/DC current measurement in milli-amperes

AC/DC current measurement in 10 amperes

NPN Transistor in NPN hFE measurement

LED LED test

AC or DC measrement

OFF Turn off the power

PNP Transistor in PNP hFE measurement

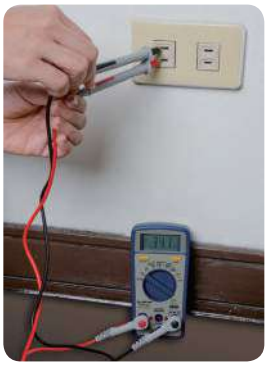
Ω Resistance measurement / Diode test / Continuity check

Digital Multimeter

9DM1361

- Date hold,auto range,auto power off selection, auto power off cancelation
- Unit & function indication, Maximum reading value 1999 digits. Negative polarity indicator (no indication is given for positive polarity)
- Low power consumption
- Fuse with : 500mA / 660V & 10A / 600V
- AAA battery x 2 PC. included
- CE approval IEC61010-1 (2010), CAT.II 600V, CAT.III 300V





Specification	
DC Voltages (0.1mV ~ 1V)	200mV / 2V / 20V / 200V / 600V
AC Voltages (0.001V ~ 1V)	2V / 20V / 200V / 600V
DC Ampere (0.1uA ~ 0.01A)	200uA / 2000uA / 20mA / 2A / 10A
AC Ampere (0.1uA ~ 0.01A)	200uA / 2000uA / 20mA / 2A / 10A
Resistance (0.1Ω ~ 0.01MΩ)	200Ω / 2kΩ / 20kΩ / 200kΩ / 2MΩ / 20MΩ
Continuity check	Yes
Diode test	Yes
hFE(NPN, PNP)	Yes
LED check	Yes
Low battery indicator	Yes
LCD Display	3 1/2 digits 2000 counts
Sampling rate	3 times / sec

KT NO.	Size (mm) L x W x H	g	
9DM1361	138 x 70 x 32	85	10 / 60

Digital Multimeter

9DM1381

- Pocket size with flip cover design
- Approx. 4300 counts LCD display
- Auto range, auto power off selection
- Low power consumption
- LR44 battery x 2 PC. included
- CE approval EN61010-1, CAT.II 600V, CAT.III 300V
- Attachable test leads, easy operation





Specification	
DC Voltages (0.1mV ~ 1V)	400mV / 4V / 40V / 400V / 600V
AC Voltages (0.001V ~ 1V)	4V / 40V / 400V / 600V
Resistance (0.1Ω ~ 0.01MΩ)	400Ω / 4kΩ / 40kΩ / 400kΩ / 4MΩ / 40MΩ
Continuity check	Yes
Diode test	Yes
Overload indicator	OL
Low battery indicator	Yes
Sampling rate	Approx. 2 times / sec

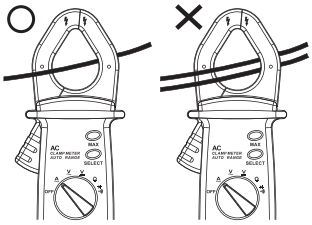
KT NO.	Size (mm) L x W x H	g	
9DM1381	117 x 76 x 18	121	20 / 80

Digital Clamp Meter

9DM2351

- Max clamp size : Ø 30mm
- Unit & function indication , maximum reading value 1999 digits
- Negative polarity indicator (no indication is given for positive polarity)
- Auto power off selection approx. 15 minutes
- Low power consumption
- AAA battery x 2 PC. included
- CE approval IEC 61010-1 , IEC 61010-2-032
  CAT.III 600V Pollution Degree 2
- Attachable test leads, easy operation





Specification	
AC Ampere (0.1A - 1A)	200A / 600A
AC Voltages (0.001V - 1V)	2V / 20V / 200V / 600V
DC Voltages (0.1mV - 1V)	200mV / 2V / 20V / 200V / 600V
Resistance (0.1Ω - 0.01MΩ)	200Ω / 2kΩ / 20kΩ / 200kΩ / 2MΩ / 20MΩ
Continuity check	Yes
Diode test	Yes
Low battery indicator	Yes
LCD Display	3 1/2 digits 1999 counts
Sampling rate	3 times / Sec.
Overload indicator	OL





KT NO.	Size (mm) L x W x H	g	
9DM2351	189 x 71 x 37	354	5 / 40

AC Non-contact Voltage Tester

6CB31

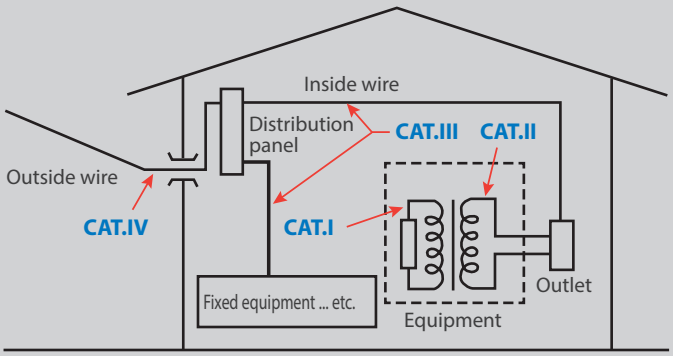
- Voltage ranges : 80 to 1000V AC.(50~60Hz)
- Application :
  AC voltage in outlets, lighting, circuit breakers, wires and cables etc..
- Adjustable sensitivity voltage detection
- Visible LED light voltage indicator in tip
  (Green light is high gear, red light is low gear)
- AAA battery x 2 PC. included
- Standard category :
  EN 61000-6-3 / EN 61000-6-1 CAT III



KT NO.	Overall size (mm) L x W x H	g	
6CB31	160 x 20 x 24	72	10 / 100

Measurement level

The input voltage should not exceed the maximum value.



Measurement level	Description	Example
CAT.I	Measurement directly connected to the power supply circuit board	The secondary of the transformer measured
CAT.II	Measurement board directly connected to the low voltage devices	Equipment, portable devices
CAT.III	Equipment within the building	Distribution panels, circuit breakers
CAT.IV	Sources of all low voltage installations	Overhead lines, cable facilities

Infrared Thermometer

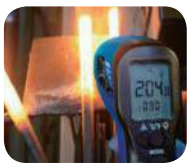
9DN12

- Not necessary to contact with the object
- IR point can be displayed clearly
- °C and °F interchangeable functions
- Selection of different materials
- Dark screen backlight test board functions
- 15 seconds automatically turn off the screen
- 9V battery x 1 PC. (included)

Technical data	
Temperature range	-30~550°C (-22~1022°F)
Operating temperature	0~50°C
Resolution	0.1°C / 0.1°F
Accuracy	±2.5% OR 3°C
Emissivity	Selectable (0.85 / 0.90 / 0.95)
Distance to spot ratio	12 :1
Auto power off	15 seconds
Laser pointer	Class 2 Laser < 1 mW

KT NO.	Overall Size (mm) L x W x H	g	
9DN12	193 x 47 x 126	313	5 / 20







Testing Screwdriver

6CB02

- Testing range : 100~250V
- CE approval
- Don't use the testing screwdriver as screwdriver
- Neon indicator



KT NO.	mm	mm	mm	mm	Testing range	g	
6CB02	3	0.6	65.5	140	100~250V	15	12 / 288

Digital Voltage Tester

6CB21

- Self-Diagnostic test
- Built-in LED flashlight
- LCD Display
- Protection IP64
- AAA 1.5V x 2 PC.
- Standard category : EN 61243-3 / IEC 61243-3 EN 61010-1 / IEC 61010-1 CAT.III 690V / CAT.IV 600V

KT NO.	Overall Size (mm) L x W x H	g	
6CB21	255 x 66 x 30	250	5 / 20

Specification	
DC Voltage Test	12, 24, 50, 120, 230, 400, 690V
Polarity indication	Yes
AC Voltage Test	12, 24, 50, 120, 230, 400, 690V
Phase rotation test	Yes
High voltage indication	≧ 50V
Frequency range	0-70Hz
Continuity test	0~550KΩ
Operation condition	-10~55°C









WIRE & CABLE TOOLS

- Scissors
- Cable Cutter
- Knife
- Wire Strippers
- Cable Strippers
- Crimping Tool



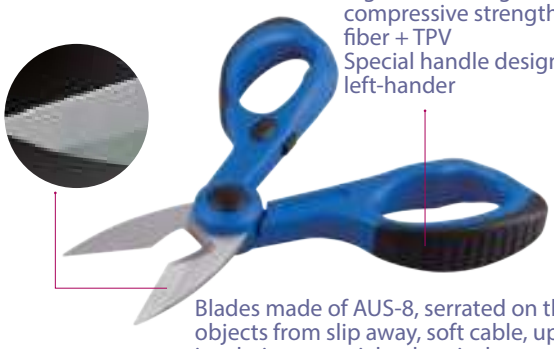
Electrician Scissors

6AB13-06

- High cutting performance by low cutting force



- 38mm² wire



Ergonomic design, handles made of high compressive strength and non-slip nylon fiber + TPV
Special handle design, also suitable for the left-hander

Blades made of AUS-8, serrated on the edge can prevent objects from slip away, soft cable, up to dia 38mm², insulation materials, electrical tape cable tie

KT NO.	Overall length inch	Overall length mm	Cutting length mm	Cutting capacity AWG	Cutting capacity mm²	g	
6AB13-06	6	150	26	2	38	114	12 / 72

6AB21-65

- Curved mouth cable cutter
- Safety blade locking system





KT NO.	Overall length inch	Overall length mm	Cutting length mm	Cutting capacity Ø mm	g	
6AB21-65	6-1/2	158	22	10	156	12 / 72

Multi-purpose Scissors

6AB12-55

- Stainless steel with serrated edges
- Grip material - PP + TPR



KT NO.	Overall length mm	(mm)	Cutting capacities (mm) Electric cable	Cardboard	Rubber	Leather	Rolled steel	Copper (soft)	Aluminum	g	
6AB12-55	145	55	10	10	10	10	0.5	0.5	0.5	94	12 / 72

6AB31

- Even mouth cable cutter
- Safety blade locking system



6AB31-75



6AB31-85

KT NO.	Overall length inch	Overall length mm	Cutting capacity mm	AWG	mm²	Cutting capacity Leather	Copper(soft)	Aluminum	g	
6AB31-75	7-1/2	185	52	16-12	1.5-4.0	2.0	0.5	0.5	160	12 / 72
6AB31-85	8-1/2	214	78	16-12	1.5-4.0	2.0	0.5	0.5	196	12 / 72

- Cut cable , cardboard , rubber , leather , rolled steel , copper (soft) , aluminum , carpet , branch and so on.

Scissors Set

6AB

new

KT NO.	Contents			
6AB13-06-S		6AB13-06 x 12 PC.	1.87	2
6AB0102		6AB13-06 x 6 PC. 6AB31-75 x 6 PC.	2.01	2



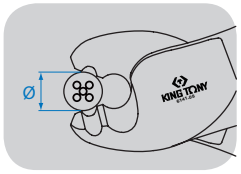
12 PC.



Cable Cutting Pliers

6141C

- Polished head
- For cutting copper and aluminum cables, single and multiple wire





KT NO.	Overall length inch	Overall length mm	Cutting capacity DIN(mm²)	Cutting capacity AWG		
6141-06C	6	160	33	2	169	6 / 120
6141-08C	8-3/8	212	67	2 / 0	282	6 / 60

Cable Cutter

6AD

- Cable cutter for cutting copper and aluminum cable





- Can be use with : 67B3-55📖413 / 6AC51📖418

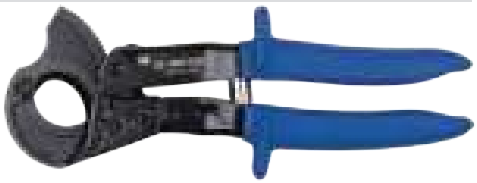
KT NO.	Overall length mm	Cutting capacity DIN(mm²)	Cutting capacity AWG(MCM)		
6AD17-150	435	150	300	1.34	1 / 20
6AD23-400	595	400	800	1.84	1 / 10

Ratcheting Cable Cutter

6AD10-325

- Cut soft copper, aluminum and multiple conductor cable to 325mm² (600MCM)
- Cuts hard drawn copper to 200mm² (400MCM)





KT NO.	Overall length mm	Cutting capacity mm²	Cutting capacity AWG(MCM)		
6AD10-325	255	325	600	613.2	10 / 30
6AD10-3P01	Spare cutting blade			58	1 / 100

Ratcheting Cable Cutter

6AD16-500 new

- Cut soft copper, aluminum and multiple conductor cable to 500mm^2 (1000MCM)





KT NO.	Overall length mm	Cutting capacity mm^2	Cutting capacity AWG(MCM)	kg	
6AD16-500	400	500	1000	1.60	1 / 10

Electrician Knife

7932-04

- Electrician knife with wire stripper
- 1 blade with half-moon notch for stripping and vee for cutting



KT NO.	Blade length mm	Closed length mm	Overall length mm	g	
7932-04	85	110	196	75	10 / 180

7933-45

- Straight blade electrician knife



KT NO.	Blade length mm	Closed length mm	Overall length mm	g	
7933-45	85	120	205	111	10 / 180

7934-45

- Billhook blade electrician knife



KT NO.	Blade length mm	Closed length mm	Overall length mm	g	
7934-45	75	120	191	125	10 / 180





Utility Cutter

7971-07

- Automatically reloading snap-off blades
- Ergonomic soft ABS TPR handle
- Stainless steel blade guide
- Blade lock knob
- 4-blade cartridge(18mm)







7971-07P02 (18mm, 10 PC.)



KT NO.	L mm	g	
7971-07	165	180	6 / 72

7976-65

- Ergonomic TPR handle
- Stainless steel blade guide
- Blade lock knob



KT NO.	L mm	g	
7976-65	165	82	8 / 64

Multi-purpose Wire Stripper

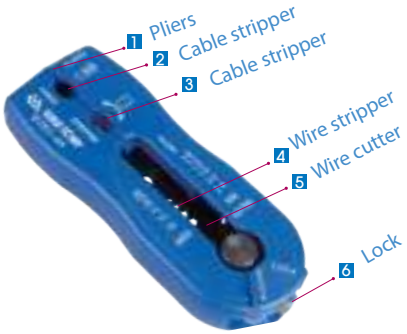
6751-44

- Wire stripper
- Wire cutter
- Cable stripper





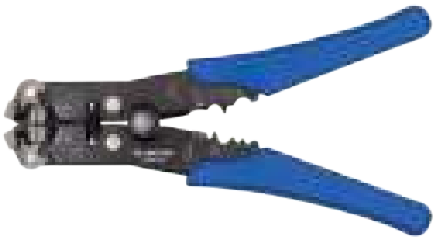
Preparation blade



KT NO.	Wire stripper Ø mm	AWG	Cable stripper Ø mm	Wire cutter Ø mm	g	
6751-44	0.8-2.6	20-10	6-10	6	116	10 / 120

Wire Stripper

6762-08





• Insulated terminal crimping



• Wire stripper



• Wire cutter

KT NO.	Wire stripper mm²	AWG	Wire cutter Ø mm	Insulated terminal crimping mm²	AWG	g	pcs / box
6762-08	0.2-0.6	24-10	6	0.5-6	22-10	271	15 / 60

67A1-07







KT NO.	Wire stripper mm²	AWG	Wire cutter Ø mm	g	pcs / box
67A1-07	0.05-3.5	30-12	5	209	12 / 60

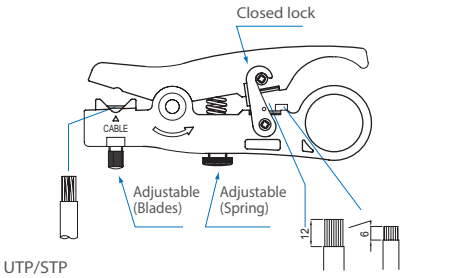
Cable Stripper

6755-05

- UTP/STP, flat cable stripper & cutter
- Material : ABS







UTP/STP
Cable stripper
(Ø 2.6 ~ Ø 8.0)

Flat cable
stripper / cutter
RJ-45 (12 mm)
RJ-11/12 (6 mm)

UTP/STP cable stripper	(Ø 2.6 ~ Ø 8.0)
Flat cable stripper / cutter	RJ-45 (12 mm), RJ-11/12 (6 mm)

KT NO.	Overall length inch	mm	g	pcs / box
6755-05	5	127	72	20 / 120

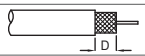
Coax. Cable Stripper

6756-05

- 2-Blades model
- Material : ABS

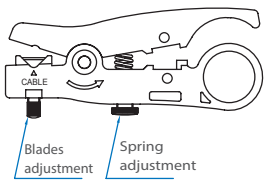




Stripper dimension "d"	6.4 mm 
Stripper distance 2-Blades model	RG-174/58/59/62/6 3C/4C/5C (Ø 2.6 ~ Ø 8.0)

KT NO.	Overall length inch	mm	g	pcs / box
6756-05	5	127	68	20 / 120

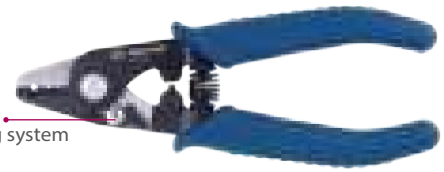


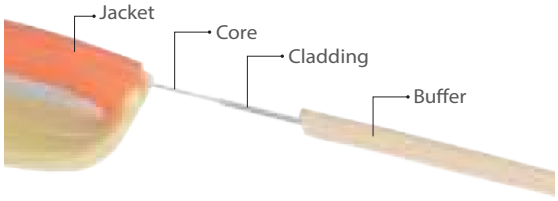


Fiber Optic Stripper

67B1-06 new

- Three in one model performs all common fiber stripping functions
- Safety locking system for easy and steady stripping
- Ergonomic handle for comfort grip







- To strip the 2.0-3.0 mm fiber jacketing



- 600-900 micron buffer layer stripping



- Strips the 250 micron cable down to the glass fiber without scratching or nicking glass fiber

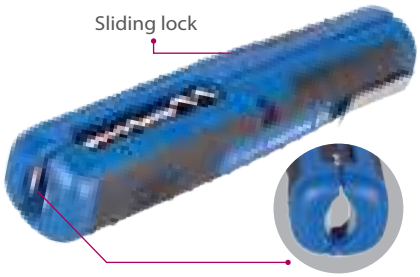
KT NO.	Overall length inch	Overall length mm	Stripping range ◆mm	◆µm	◆µm	g	pcs / box
67B1-06	6	150	2.0-3.0	600-900	250	130	10 / 100

Multi-stripper

67B2-05

KT NO.	Overall length inch	Overall length mm	g	pcs / box
67B2-05	4-3/4	120	69	15 / 90

Stripping capacity
• Round cables between : 8-13mm
• Wire cable : 0.5 1.0 1.5 2.5 4.0 6.0mm^2
• AWG : 20 18 16 14 12 10
• Coax.cable : RG-6 / RG-59



Cable Stripper

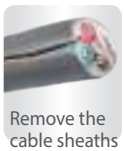
67B3-55

- Fast and safe stripping of round cable sheaths made of PVC or rubber from 6-45mm dia
- Adjustable knurled nut for max 6mm sheath

KT NO.	Cable stripper Ø mm	Overall length inch	Overall length mm	g	pcs / box
67B3-55	6-45	5-1/2	140	170	10 / 100



- Can be use with : 6AC51 418 / 6AD 410



- Remove the cable sheaths without damage of the inner conductors





- Adjustable cutting depth



- Push cover







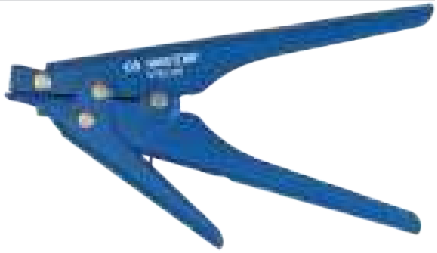
- Simple rotating the tool body

Cable Tie Fasten Tool

67E2-08

- Fasten nylon ties, up to 9mm in width
- Long stroke for fast action
- Tails cut separately to desired length





KT NO.	L mm	Max. cutting width (mm)	g	pcs / box
67E2-08	191	9	310	5 / 40

■ Crimp die profiles

Symbol	
 	Phone plugs 6 pin
 	Modular plugs 8 pin
 	Insulated terminal connectors
 	Non-Insulated terminal connectors
 	Pin terminal, Insulated & Non-Insulated ferrules
 	Non-Insulated terminal, Lug connectors

Symbol	
 	CATV "F", BNC , COAX , and fiber optics connectors
	
	
	

Modular Crimping Tool

67F1-08

- For cutting / stripping / crimping
- 2 types of plugs in 1 tool
- Grip material - PP+TPR



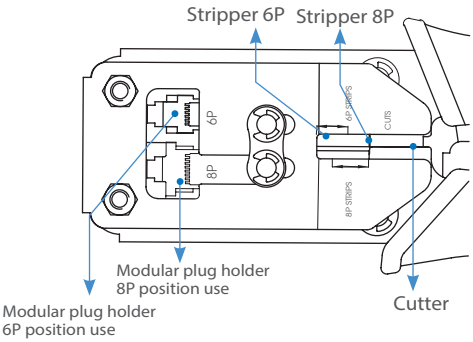
• 6P



• 8P

KT NO.	Overall length inch	mm		
67F1-08	8	203	370	10 / 40





Interchangeable Ratchet Crimping Tool Set

42107GX

- Quick interchangeable ratchet function & easy to use
- Crimping jaws with heat treatment
- Blow case size (mm) : 282 x 176 x 52 (0.09 cuft)

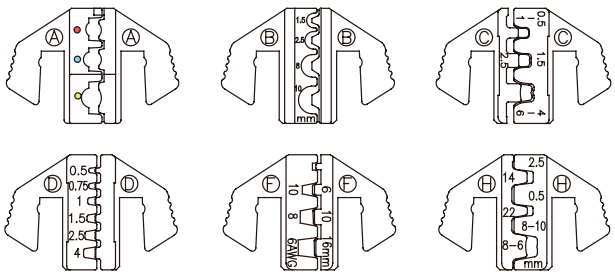
1.16 / 1 /10



7 PC.

CONTENTS :

- A : Insulated Terminal : 0.5 to 6mm²
- B : Non-Insulated Terminal : 1.5 to 10mm²
- C : Open Barrel Terminal : 0.5 to 6mm²
- D : Insulated Core-end Terminal : 0.5 to 4mm²
- F : Insulated Huge Core-end Terminal : 6 to 16mm²
- H : Open Barrel & D-Sub, V.35 Connectors : 0.5 to 10mm²



Ratchet Crimping Tool Set

67G0005

- Blow case size (mm) : 240 x 70 x 50 (0.07 cuft)

1 / 1 / 16



5 PC.



Item No.	Replacement die set	Terminal size	Description	
67GN-09	67GNP01	AWG 12 / 14 / 16 / 18 / 20 / 22 0.5 / 0.75 / 1.0 / 1.5 / 2.5 / 4.0 mm²	PIN TERMINAL INSULATED OR NON-INSULATED FERRULES	
67GJP01		AWG 6 / 8 / 10 6 / 10 / 16 mm²	PIN TERMINAL INSULATED OR NON-INSULATED FERRULES	
67GKP01		AWG 12-10 / 16-14 / 22-18 0.5-1.0 / 1.5-2.5 / 4-6 mm²	INTER-LOCKING & NON-INSULATED	
67GLP01		AWG 12-10 / 8 / 16-14 / 20-18 1.5 / 2.5 / 6 / 10 mm²	NON-INSULATED TERMINAL	
67GHP01		AWG 12-10 / 16-14 / 22-18 0.5-1.0 / 1.5-2.5 / 4-6 mm²	FOR INSULATED TERMINAL	

Ratchet Crimping Tool

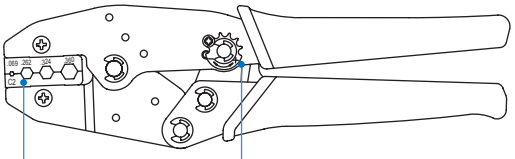
67G

- For crimping RG type cable
- CATV "F" connectors
- Interchangeable die









KT NO.	Overall length inch	Overall length mm		
67G	8.7	222	480	1 / 30





Item No.	Replacement die set	Terminal size	Description	
67G1-09	67G1P01	.068" .262" .324" .360" (1.72 6.65 8.23 9.14 mm)	CATV "F" Connectors RG59, 6	
67G2-09	67G2P01	.068" .213" .356" .319" (1.72 5.41 6.5 8.1 mm)	RG58, 59, 62, 6, BELDEN 8279	
67G3-09	67G3P01	.068" .213" .255" (1.72 5.41 6.48 mm)	RG58, 59, 62, 140, BELDEN 8279	
67G4-09	67G4P01	.068" .100" .213" .255" .324" (1.72 2.50 5.41 6.48 8.23 mm)	RG58, 59, 62, 6,	
67G5-09	67G5P01	.187" .213" .319" (4.75 5.41 8.1 mm)	RG58, 6, 174, 140 FIBER OPTIC	
67G6-09	67G6P01	.255" .320" .350" (6.48 8.13 8.9 mm)	CATV "F" Connectors RG59, 6	
67G7-09	67G7P01	.042" .068" .151" .178".213" (1.07 1.72 3.84 4.52 5.41 mm)	RG58, 174, BELDEN 8281 FIBER OPTIC SMA, SMB Connectors	
67G8-09	67G8P01	.028" .042" .068" .128" .178" (0.71 1.07 1.72 3.25 4.52 5.41 mm)	RG58, 174, FIBER OPTIC F2 F3 F5	
67G9-09	67G9P01	.043" .068" .100" .137" .213" .255" (1.10 1.72 2.54 3.5 5.41 6.48 mm)	RG58, 59, 62, 174, 140 FIBER OPTIC	
67GA-09	67GAP01	.042" .068" .078" .128" .151" .178" (1.07 1.72 2.0 3.25 3.84 4.52 mm)	RG174, 178,179 FIBER OPTIC	

Item No.	Replacement die set	Terminal size	Description	
67GB-09	67GBP01	.075" .100" .128" .429" (1.9 2.54 3.25 10.9 mm)	RG8, 9, 11, 174, 316 BELDEN 9913	
67GC-09	67GCP01	.042" .068" .128" .137" .151" .178" .187" (1.07 1.72 3.25 3.5 3.84 4.52 4.75 mm)	RG58, 174, SMA SMB	
67GD-09	67GDP01	.068" .255" .324" (1.72 6.48 8.22 mm)	RG59, 62, 6, BELDEN 8281	
67GE-09	67GEP01	.068" .187" .213" .255" (1.72 4.75 5.41 6.48 mm)	RG58, 59, 62 142, 174, 223	
67GF-09	67GFP01	.128" .151" .187" .213" (3.25 3.84 4.75 5.41 mm)	RG58, 174 FIBER OPTIC	
67GN-09	67GNP01	AWG 12 / 14 / 16 / 18 / 20 / 22 0.5 / 0.75 / 1.0 / 1.5 / 2.5 / 4.0 mm^2	PIN TERMINAL INSULATED OR NON-INSULATED FERRULES	
67GJ-09	67GJP01	AWG 6 / 8 / 10 6 / 10 / 16 mm^2	PIN TERMINAL INSULATED OR NON-INSULATED FERRULES	
67GK-09	67GKP01	AWG 12-10 / 16-14 / 22-18 0.5-1.0 / 1.5-2.5 / 4-6 mm^2	INTER-LOCKING & NON-INSULATED	
67GL-09	67GLP01	AWG 12-10 / 8 / 16-14 / 20-18 1.5 / 2.5 / 6 / 10 mm^2	NON-INSULATED TERMINAL	
67GH-09	67GHP01	AWG 12-10 / 16-14 / 22-18 0.5-1.0 / 1.5-2.5 / 4-6 mm^2	FOR INSULATED TERMINAL	
67GG-09	Unchangeable	AWG 12-10 / 16-14 / 22-18 0.5-1.0 / 1.5-2.5 / 4-6 mm^2	FOR INSULATED TERMINAL	

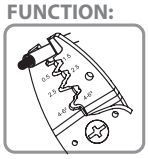
Crimping Tools

6721-10

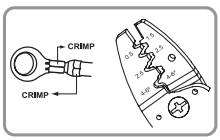
- Wire cutter
- Crimps insulated terminals
- Bolt cutter
- Crimps non-insulated terminals (Open barrel)
- Wire stripper



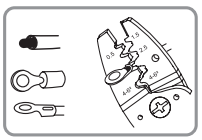
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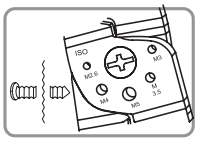
• Wire cutter



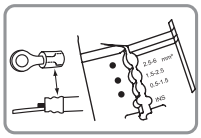
• Open barrel terminal crimping



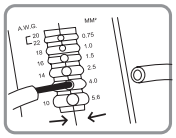
• Non-Insulated terminal Crimping



• Bolt-cutter



• Insulated terminal Crimping

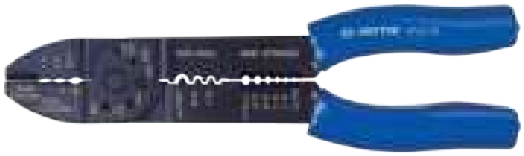


• Wire stripper

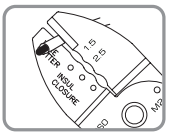
KT NO.	Wire cutter Ø mm²	Insulated terminal crimping	Bolt-cutter	Non insulated termind crimp	Open barrel terminal crimping	Wire stripper mm²	g	
6721-10	6	0.5~6	M2.6~5	0.5~6	1.5~6	0.75~6.0	248	10 / 50

6732-09

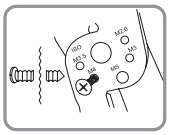
- Wire cutter
- Crimps insulated terminals
- Bolt cutter
- Crimps non-insulated terminals (Ring)
- Wire stripper



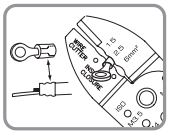
FUNCTION:



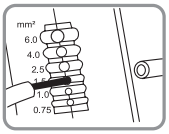
• Wire cutter



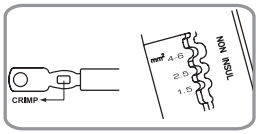
• Bolt-cutter



• Insulated terminal Crimping



• Wire stripper



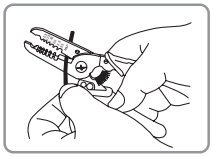
• Non-insulated ring terminal crimping

KT NO.	Wire cutter Ø mm²	Insulated terminal crimping	Bolt-cutter	Non-insulated ring terminal crimping	Wire stripper mm²	g	
6732-09	6	1.5~6	M2.6~5	1.5~6	0.75~6.0	261	24 / 72

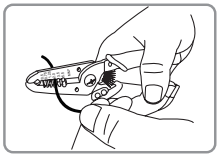
6741-06

- Wire cutter
- Wire stripper

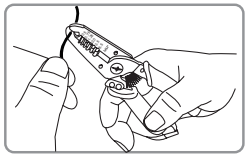
FUNCTION:



• Wire cutter



• Wire stripper



• Peel the electric wire's shell



KT NO.	Wire cutter Ø mm²	Wire stripper mm²	g	
6741-06	6	0.5~5.5	103	10 / 100

Heavy Duty Crimping Tool

6AC51-22

- For cable lugs from 10mm^2-120mm^2 with non-ratchet screw adjustment







KT NO.	Overall length mm	kg	
6AC51-22	570	3.00	1 / 5

Crimping capacity

AWG	8	6	4	2	1/0	2/0	3/0	4/0
JIS(mm^2)	8	14	22	38	60	70	80	100
DIN(mm^2)	10	16	25	35	50	70	95	120

6AC51-26

- For cable lugs from 10mm^2-150mm^2 with non-ratchet screw adjustment





KT NO.	Overall length mm	kg	
6AC51-26	665	3.9	1 / 5

Crimping capacity

AWG	8	6	4	2	1/0	2/0	3/0	4/0	300MCM
JIS(mm^2)	8	14	22	38	60	70	80	100	150
DIN(mm^2)	10	16	25	35	50	70	95	120	150

6AC52

- Ratchet designed. For non-insulated terminals







KT NO.	Overall length inch	Overall length mm	g	
6AC52-11	10-1/2	270	480	6 / 24
6AC52-12	12	300	520	6 / 24

Item No. \ AWG	16	14	10	8	6
JIS mm^2	1.25	2	5.5	8	14
DIN mm^2	1.5	2.5	6	10	16
6AC52-11	•	•	•	•	
6AC52-12	•	•	•	•	•

Precision Screwdriver



HAMMERS & STRIKING TOOLS

- Hammer
- Punch
- Flat Chisel
- Marking Punch



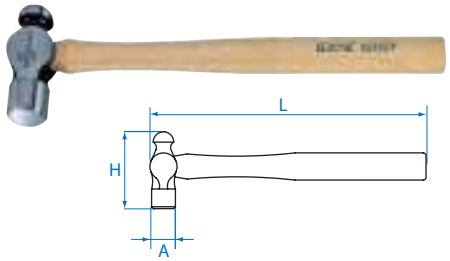

SLEDGE HAMMER
GLASS FIBER HANDLE
7851-24
7853-10

Hammer

Convert :
1g = 0.035 oz / 1g = 0.0022 lb

7811

- American style
- Forged and hardened steel
- Wood and metal wedge
- GGG-H86C

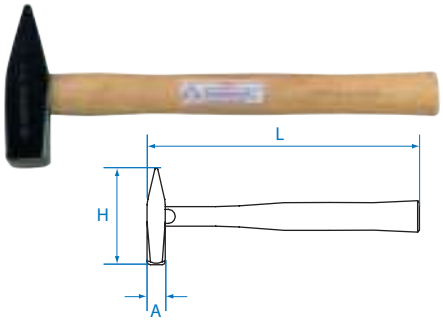


KT NO.	H.W g	A mm	H mm	L mm	g	
7811-08	245	25	80	300	375	6 / 60
7811-12	370	29	93	300	485	6 / 48
7811-16	485	32.5	103	353	640	6 / 36
7811-24	765	35.5	122	405	975	6 / 24
7811-32	925	40.5	125	405	1200	6 / 24
7811-40	1125	42.2	133	405	1395	6 / 12

7821

7821:

- German style
- Forged and hardened steel
- Wood and metal wedge
- DIN 1041



7823

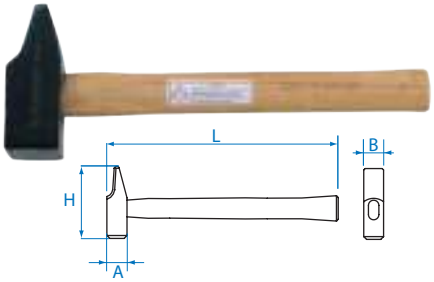
7823:

- Engineer's hammer
- DIN1041

KT NO.	H.W g	A mm	H mm	L mm	g	
7821-30	395	23	103	300	400	12 / 48
7821-50	615	27	120.5	320	660	6 / 36
7821-80	990	33	130	350	960	6 / 24
7823-10	1000	36	135	360	1121	9 / 18
7823-15	1500	42	145	380	1606	6 / 12
7823-20	2000	47	155	400	2106	6 / 12

7822

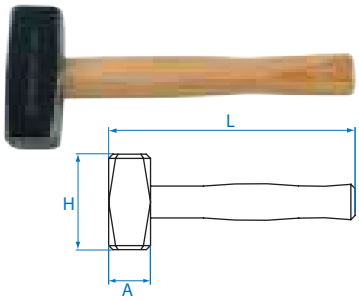
- Riveting hammer
- NF E71-016



KT NO.	H.W g	A mm	B mm	H mm	L mm	g	
7822-25	315	25	22	85	280	489	10 / 40
7822-30	400	30	26	95	300	650	10 / 40
7822-35	630	35	31	105	300	1000	9 / 36
7822-40	800	40	35	115	320	1330	8 / 16
7822-45	1250	45	40	124	355	1790	8 / 16
7822-50	1600	50	44	135	382	2458	6 / 12

7833

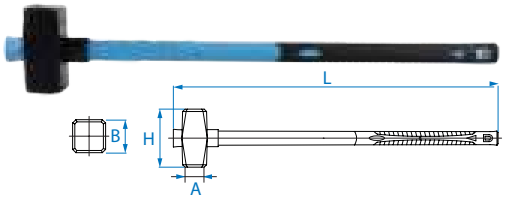
- Lump hammer
- DIN 6475



KT NO.	H.W g	A mm	H mm	L mm	g	
7833-10	1000	40	95	260	1065	7 / 14
7833-12	1250	43	100	260	1425	6 / 12
7833-15	1500	45	110	280	1778	6 / 12
7833-20	2000	50	120	300	2142	4 / 8

7834

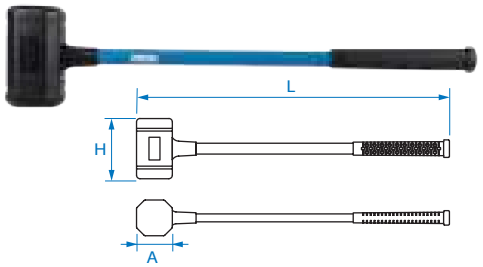
- Sledge hammer
- Fiberglass handle



KT NO.	H.W g	A mm	B mm	H mm	L mm	g	
7834-50	5000	66	66	160	895	5930	1 / 2

7852

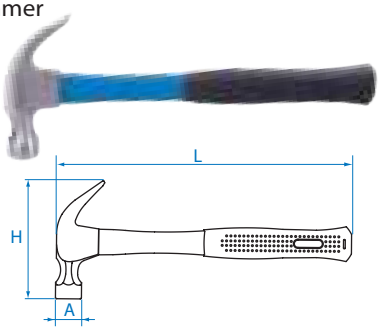
- Rubber hammer
- Fiberglass handle



KT NO.	H.W g	A mm	H mm	L mm	g	
7852-23	1650	69.5	142	500	2000	4 / 12
7852-55	4500	104	198	910	5500	2 / 4

7861

- Fiberglass claw hammer



KT NO.	H.W g	A mm	H mm	L mm	g	
7861-16	450	30	133	335	740	4 / 24
7861-20	565	31	144	340	830	4 / 24
7861-24	680	32	147	380	920	10 / 20

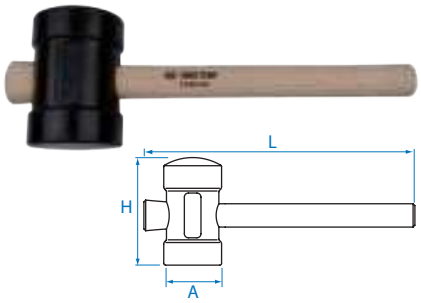
Hammer

CAUTION

Please wear proper safety gear while working.

7848

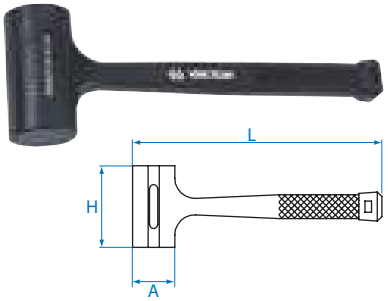
- Rubber hammer
- Feature : used to lay basalt floors, tires and other materials which are vulnerable



KT NO.	H.W g	A mm	H mm	L mm	g	
7848-60	523	64	119	330	628	6 / 12
7848-80	821	79	119	350	979	5 / 10

7851

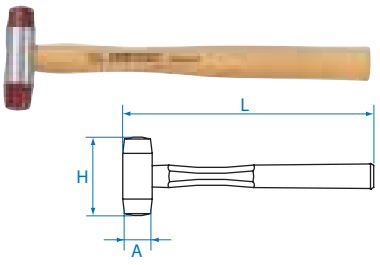
- Dead blow hammer



KT NO.	H.W g	A mm	H mm	L mm	g	
7851-08	227	43	81	272	585	6 / 24
7851-16	454	46	100	304	849	6 / 24
7851-24	680	49	100	322	884	6 / 24
7851-32	907	55	100	342	1090	6 / 24
7851-40	1134	58	110	342	1218	6 / 24
7851-48	1361	61	123	355	1511	6 / 12
7851-64	1814	67	136	368	1874	6 / 12

7842

- Soft face hammer
- Replaceable polyurethane face
- Helps minimize marring and surface damage

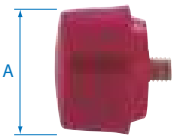


KT NO.	A mm	H mm	L mm	g	
7842-22	22	75	255	110	10 / 40
7842-28	28	85	295	165	10 / 40
7842-35	38	100	325	305	8 / 32
7842-45	45	112	335	420	8 / 32
7842-60	60	135	380	895	6 / 12

915

- Spare faces for item 7842
- In soft 75° and hard 90°



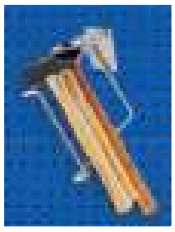


KT NO.	Hardness (shore A)	A mm	g	
91522H/S	90° / 75°	22	11	10 / 160
91528H/S	90° / 75°	28	24	10 / 100
91535H/S	90° / 75°	38	36	6 / 120
91545H/S	90° / 75°	45	65	6 / 36
91560H/S	90° / 75°	60	123	6 / 12

Hammer Hook

91431

- Overall Size - W40 x D210 x H240 mm
- Weight - 411.6 g / Cuft - 0.072





Chisel & Punch

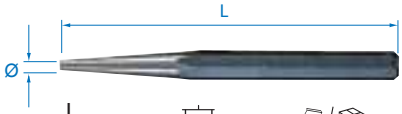
- Material - chrome vanadium alloy steel
- Finishing - phosphate sunk

761 Center punch



KT NO.	Ø mm	L mm	g	
76103-04	3	100	34	12 / 336
76104-05	4	120	59	12 / 336
76105-06	5	150	116	12 / 144

763 Starter punch



KT NO.	Ø mm	L mm	g	
76301-05	1	120	57	12 / 336
76302-05	2	120	58	12 / 336
76303-05	3	120	60	12 / 336
76304-05	4	120	60	12 / 336
76305-05	5	120	64	12 / 336
76306-05	6	120	64	12 / 336
76307-05	7	120	100	12 / 240
76308-05	8	120	100	12 / 240
76309-06	9	150	130	12 / 144
76310-06	10	150	132	12 / 144

Chisel & Punch Set

CAUTION

Please wear proper safety gear while working.

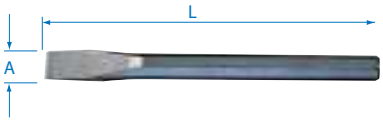
- Material - chrome vanadium alloy steel
- Finishing - phosphate sunk

765 Cape chisel



KT NO.	A mm	L mm	g	
76505-05	5	130	70	12 / 192

762 Flat chisel



KT NO.	A mm	L mm	g	
76213-04	13	100	69	12 / 336
76215-05	15	125	70	12 / 336
76217-06	17	150	145	12 / 144
76220-07	20	175	300	12 / 144
76223-08	23	200	300	12 / 72
76224-10	24	250	388	4 / 40
76226-12	26	300	650	4 / 32

764 Pin punch



KT NO.	Ø mm	L mm	g	
76402-45	2	115	32	10 / 640
76403-05	3	125	34	10 / 640
76403-06	3	150	43	10 / 250
76404-06	4	150	60	10 / 250
76405-65	5	165	71	10 / 280
76406-07	6	180	125	10 / 150
76408-08	8	200	130	10 / 120
76410-85	10	215	155	12 / 120
76412-09	12	230	356	10 / 80
76414-10	14	250	502	6 / 48

1005APR

5 PC.



Contents	Kg 0.32	/ 1 / 5
76104-05	Ø 4 x 120	
76215-05	15 x 125	
76303-05	3 x 120	
76404-06	Ø 4 x 150	
76505-05	5 x 130	

1006APR

6 PC.



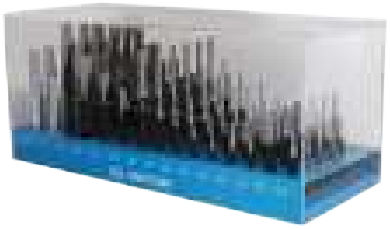
Contents	Kg 0.51	/ 5 / 30
764	Ø 2 x 115, Ø 3 x 125 Ø 4 x 150, Ø 5 x 165 Ø 6 x 180, Ø 8 x 200	

Flat Chisel & Punch Set

1090PR1

- Flat chisel & punch set

KT NO.	Contents		Each Q'ty	Kg	Cuft
1090PR1	761	Ø 4 x 120, Ø 5 x 150	6	13.50	0.34'
	762	17 x 150, 20 x 175, 23 x 200, 24 x 250 mm			
	763	4 x 120, 8 x 120 mm			
	764	Ø 3 x 40, Ø 4 x 50, Ø 5 x 50, Ø 6 x 50, Ø 10 x 65			
	767	150 , 200 mm			
8711B		600 x 240 x 60 mm	1	6.20	0.9'
8711B-1		600 x 232 x 230 mm	1	2.00	1.7'



90 PC.

Shelf size (mm) : 600 x 240 x 290

Punch Set

- Material - chrome vanadium alloy steel
- Finishing - phosphate sunk



► Pouch material : Tetoron



► Pouch material : Nylon

KT NO.	PC.		Contents	Package	Kg	
1006PR	6	764	Ø 2 x 30, Ø 3 x 40, Ø 4 x 50, Ø 5 x 50, Ø 6 x 50, Ø 8 x 50	Nylon	0.57	1 / 20
1006PRN	6			Tetoron		
new 1016PR	6	761	Ø4 x 120, Ø5 x 150	Nylon	0.84	1 / 20
		762	20 x 175, 23 x 200			
		764	Ø3 x 125, Ø5 x 165			
1009PR	9	764	Ø 2 x 30, Ø 3 x 40, Ø 4 x 50, Ø 5 x 50, Ø 6 x 50, Ø 8 x 50, Ø10 x 65, Ø12 x 70, Ø14 x 75	Nylon	1.70	1 / 12
1009PRN	9			Tetoron		
1010PR	10	761	Ø 3 x 100, Ø 4 x 120, Ø 5 x 150	Nylon	0.88	1 / 24
		763	Ø 3 x 120, Ø 6 x 120, Ø 8 x 120			
		764	Ø 3 x 40, Ø 4 x 50, Ø 5 x 50, Ø 6 x 50			

Sheathed Chisel & Pin Punch

- Material – chrome molybdenum alloy steel
- Finishing - phosphate sunk
- Safe and comfortable grip

761-G Sheathed center punch



KT NO.	Ø mm	L mm	g	
76125-74G	2.5	185	104	12 / 144
76104-74G	4	185	110	12 / 144
76106-74G	6	185	112	12 / 144
76108-74G	8	185	179	12 / 120
76110-74G	10	185	169	12 / 120

762-G Sheathed flat chisel



KT NO.	A mm	L mm	g	
76218-75G	18	190	180	10 / 100
76219-75G	19	190	180	10 / 100
76220-84G	20	210	269	8 / 80
76222-84G	22	210	271	8 / 80

763-G Sheathed starter punch



KT NO.	Ø mm	L mm	g	
76302-74G	2	185	104	12 / 144
76303-74G	3	185	105	12 / 144
76304-74G	4	185	107	12 / 144
76305-74G	5	185	112	12 / 144
76306-74G	6	185	115	12 / 144
76308-74G	8	185	162	12 / 120

764-G Sheathed pin punch



KT NO.	Ø mm	L mm	g	
76402-55G	2	140	50	12 / 384
76403-06G	3	150	54	12 / 384
76404-07G	4	180	94	12 / 144
76405-08G	5	200	108	12 / 144
76406-84G	6	210	157	12 / 120
76407-84G	7	220	165	12 / 120
76408-88G	8	220	175	12 / 96
76409-88G	9	230	184	12 / 96
76410-09G	10	250	259	10 / 80
76412-10G	12	290	340	8 / 64
76414-11G	14	350	443	6 / 48
76416-12G	16	310	593	6 / 36
76410-14G	10	350	363	10 / 60
76412-14G	12	350	470	6 / 36
76414-14G	14	350	518	6 / 36
76416-14G	16	350	664	5 / 30

Sheathed Pin Punch Set



► Pouch material : Tetoron

KT NO.	PC.		Contents	Kg	
1014GPN	4	764-G	Ø 10 x 350, Ø 12 x 350, Ø 14 x 350, Ø 16 x 350	2.13	1 / 8
1006GPN	6		Ø 2 x 140, Ø 3 x 150, Ø 4 x 180, Ø 5 x 200, Ø 6 x 210, Ø 8 x 220	0.80	1 / 8
1009GPN	9		Ø 2 x 140, Ø 3 x 150, Ø 4 x 180, Ø 5 x 200, Ø 6 x 210, Ø 8 x 220, Ø 10 x 230, Ø 12 x 250, Ø 14 x 290	1.82	1 / 12

Automatic Center Punch

768

- Material : handle - brass, tip - S2
- Spring-loaded trigger design for useing without a hammer

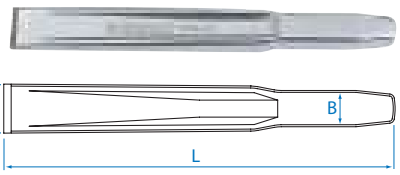
KT NO.	Ø mm	L mm	g	
76804-05	1.3	130	75.0	30 / 120
76807-06	1.7	155	142	30 / 120



Flat Chisel & Set

767

- Ribbed type



KT NO.	A mm	B mm	L mm	g	
76717-05	17	12.6	125	90	12 / 240
76721-06	20	16.0	150	130	12 / 144
76724-08	25	19.0	200	280	12 / 72
76729-10	29	22.3	250	480	8 / 48

11104PR10



4 PC.

Contents		Kg 1.0	1 / 20
	76717-05	17 x 125	
	76721-06	20 x 150	
	76724-08	25 x 200	
	76729-10	29 x 250	

11104PR

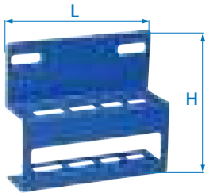


4 PC.

Contents		Kg 1.37	1 / 10
	76717-05	17 x 125	
	76721-06	20 x 150	
	76724-08	25 x 200	
	76729-10	29 x 250	
	87108		

87108

- Acrylic display stand



KT NO.	H mm	L mm	g	
87108	140	160	410	12

Marking Punch

CAUTION

Please wear proper safety gear while working.

11409SQ

- Chrome vanadium alloy steel
- Hardened and tempered control HRC60 for safe use
- Invert number 6 to be number 9 (For 11409SQ)
- The letter A~Z with extra "&" (ampersand)included (For 11427SQ)

11427SQ



11409SQ



11427SQ

KT NO.	H mm	H inch	Contents	Squre mm	L mm	Kg	
11409SQ02	2.0	5/64"	9 PCS 0~9	6.35 x 6.35	61	0.18	1 / 120
11409SQ03	3.0	1/8"		6.35 x 6.35	61	0.18	1 / 120
11409SQ04	4.0	5/32"		6.35 x 6.35	59	0.18	1 / 120
11409SQ05	5.0	3/16"		8 x 8	61	0.28	1 / 80
11409SQ06	6.0	1/4"		7.93 x 7.93	61	0.43	1 / 60
11409SQ08	8.0	5/16"		12.7 x 12.7	71	0.78	1 / 30
11427SQ02	2.0	5/64"	27 PCS A~Z, &	6.35 x 6.35	61	0.52	1 / 50
11427SQ03	3.0	1/8"		6.35 x 6.35	61	0.52	1 / 50
11427SQ04	4.0	5/32"		6.35 x 6.35	59	0.52	1 / 50
11427SQ05	5.0	3/16"		8 x 8	61	0.82	1 / 30
11427SQ06	6.0	1/4"		7.93 x 7.93	61	1.25	1 / 20
11427SQ08	8.0	5/16"		12.7 x 12.7	71	2.33	1 / 10

Heavy Duty Marking Punch

11509SQ

- Chrome vanadium alloy steel
- Hardened and tempered control HRC60 for safe use
- Hardness reduced at striking end HRC40 to have longer life time
- Invert number 6 to be number 9 (For 11509SQ)
- The letter A~Z with extra "&" (ampersand)included (For 11527SQ)

11527SQ



11509SQ05



11527SQ05

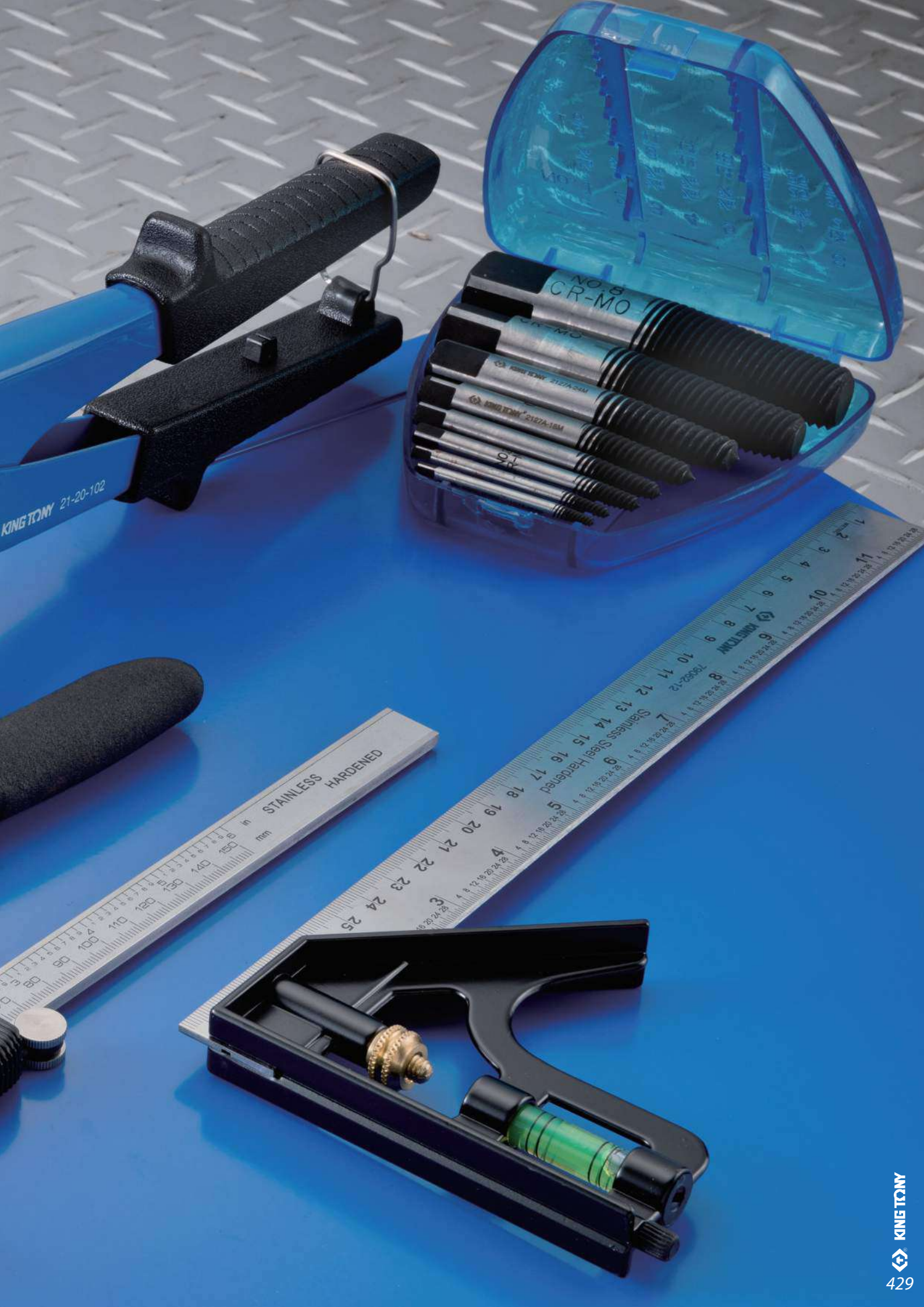
KT NO.	H mm	H inch	Contents	Squre mm	L mm	Kg	
11509SQ05	5.0	3/16"	9 PCS 0~9	11 x 11	61	0.56	1 / 30
11527SQ05	5.0	3/16"	27 PCS A~Z, &	11 x 11	61	1.70	1 / 10



WORKSHOP TOOLS

- Puller
- Riveter & Nut Riveter
- Measuring Tools
- Retractable Tool Lanyard
- Bench Vise
- Damaged Screws, Nuts, Bolts Remover Tools
- Snips
- Saw
- File
- Tap Holder
- Threaded Coil-Insert Repair Set
- Tap & Die Set



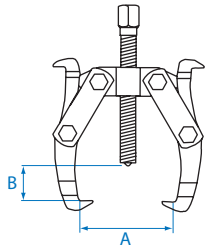

KING TONY 21-20-102
NO.8
CR-MO
STAINLESS
HARDENED
Stainless Steel Hardened

Gear Puller & Set

- Material - chrome vanadium alloy steel
- Finishing - chrome plated & phosphate sunk

7962

▪ Two-Jaw gear puller

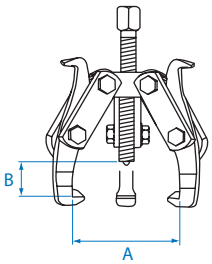




KT NO.	Capacity (tons)	HEX (mm)	Jaw (leg)	Spread (A)mm	Reach (B)mm	kg	1 /
7962-03	2	14	2	75	60	0.44	1 / 40
7962-04	4	17	2	100	95	0.78	1 / 20
7962-06	6	19	2	150	160	1.65	1 / 10
7962-08	10	23	2	200	235	3.50	1 / 5
7962-12	15	32	2	300	330	7.00	1 / 2

7963

▪ Three-Jaw gear puller



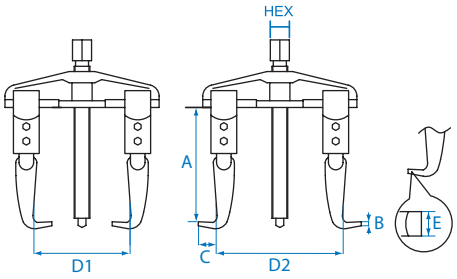


KT NO.	Capacity (tons)	HEX (mm)	Jaw (leg)	Spread (A)mm	Reach (B)mm	kg	1 /
7963-03	3	14	3	75	60	0.55	1 / 40
7963-04	6	17	3	100	95	1.06	1 / 20
7963-06	9	19	3	150	160	2.25	1 / 10
7963-08	15	23	3	200	235	4.50	1 / 5
7963-12	22	32	3	300	330	11.00	1 / 2

7962B

▪ Two-Jaw gear puller
▪ Adjustable sliding arm for efficiency and safety
▪ Reversible jaws for internal & external options gear, axle, bearing, etc…







KT NO.	Capacity (tons)	Hex (mm)	Jaw (leg)	Reach A(mm)	B (mm)	C (mm)	Spread D1 (mm)	Spread D2(mm)	E (mm)	kg	1 /
7962B-35	2.0	17	2	100	3.8	14.5	90	60~125	21	1.05	1/12
7962B-05	3.0	17	2	100	3.8	14.5	130	60~160	21	1.15	1/12
7962B-06	3.0	22	2	150	4.6	23.0	150	85~200	30	2.98	1/6
7962B-08	5.0	22	2	150	4.6	23.0	190	105~230	30	3.41	1/6
7962B-10	5.0	27	2	210	7.0	30.0	240	130~300	35	7.11	1/3

7962B1PR new

▪ Two-Jaw gear puller
▪ Adjustable sliding arm for efficiency and safety
▪ Reversible jaws for internal & external options gear, axle, bearing, etc…

5 PC.

Contents	kg 18.20	1
7962B 3.5", 5", 6", 8", 10"		
87155		



Two Sets Pressure Screw Bearing Separator Puller Set

9BA21

- 2 Sets bearing separator & bolts
- Contents:

(1) Bearing Seperator
9BA21P02
Capacity 30mm ~ 50mm
Bolt 3/8" x 24UNF x L125mm

(2) Bearing Seperator
9BA21P01
Capacity 50mm ~ 75mm
Bolt 1/2" x 20UNF x L 135mm

(3) 4 PC. Main rod
9BA21P04
Hex bar 14mm 3/8" x L 102mm x 2 pcs

9BA21P06
Hex bar 17mm 1/2" x L 127mm x 2 pcs

(4) 4 PC. Extension rod
9BA21P05
Hex bar 14mm 3/8" x L 102mm x 2 pcs

9BA21P07
Hex bar 17mm 1/2" x L 127mm x 2 pcs

(5) 1 PC. Beam
Central Bolt

(6) 9BA21P011
Hex 18mm x 9/16" x L175mm

Kg 5.25 / 1 / 2

12 PC.



Pressure Screw Bearing Separator Puller Set

9BA22

- Includes bearing separator & bolts
- Contents:

(1) Bearing Seperator
9BA22P01
Capacity 75mm ~ 105mm
Bolt 5/8" x 18UNF x L 165mm

(2) 2 PC. Main rod
9BA22P02
Hex bar 19mm x M12 & 1/2" x L 255mm

(3) 2 PC. Extension rod
9BA22P04
Hex bar 19mm x M12 x L 255mm

(4) 1 PC. Beam

(5) 1 PC. Central bolt
9BA22P011
Hex 21mm x M18 x L292 mm

(6) 1 PC. Nut

Kg 8.95 / 1 / 2

8 PC.



Hydraulic Puller Set

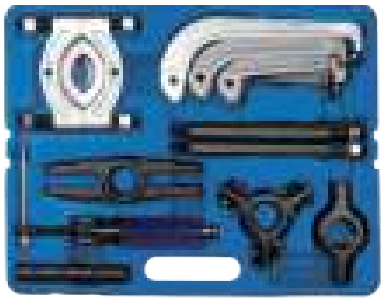
9BA01

- Includes forged steel bearing separator and gear puller
- Operate up to 10 ton hydraulic pulling power
- Special separator design of the strong back puller allows the puller to be used even in the tightest spaces
- Suitable for industry, automotive and a gricultural machine

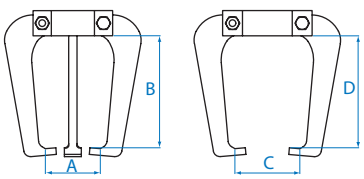
1 Set Separator Capacity 75mm ~ 105mm
1 PC. Beam
1 PC. 10T Hydraulic Ram
1 PC. Tripe Head
1 PC. Twin Head
1 PC. Ram Part
1 PC. Centre Adapter
1 PC. 1"x 2" Extension Rod
1 PC. 1"x 4" Extension Rod
2 PC. Main Rod Hex bar 19mm x M12 & 1/2" xL255mm
2 PC. Extension RodHex bar 19mm x M12 x L255mm
3 PC. 4" Leg
3 PC. 6" Leg
3 PC. 8" Leg

Kg 17.00 / 1 / 1





22 PC.



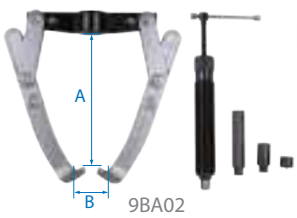
Size	Spread A (mm)	Reach B(mm)	Spread C(mm)	Reach D(mm)
4"	240	120	250	120
6"	190	170	310	170
8"	180	220	200	220



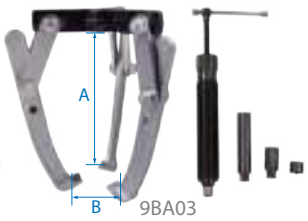
Hydraulic Mechanical Pullers

9BA

- Quick and safe removal particularly large and tight gears, bearings, etc…
- Two and three jaws type, use for different space



9BA02



9BA03

KT NO.	Capacity (Tons)	Jaws (leg)	Spread A(mm)	Reach B(mm)	kg	
9BA02	15T	2	320	500	11.30	1 / 1
9BA03	15T	3	320	500	16.50	1 / 1

Universal Bearing Puller Set

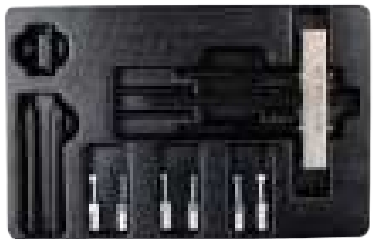
9BA31

- Easy and fast removing ball bearing by using the puller
- Select proper tips by ball diameter

CONTENTS :

- 1 PC. Puller yoke and center screw
- 1 PC. Top Nut
- 2 PC. Extension rod x L 105mm
  Ball ended threaded adapter
- 2 PC. 5.5mm / 2 PC. 6.0mm / 2 PC. 8.0mm

kg 1.33 / 1 / 12



10 PC.



9BA32 1/2"

- Easy and fast removing ball bearing by using the puller
- Select proper tips by ball diameter

CONTENTS :

- 1 PC. Puller yoke and center screw
- 1 PC. Top Nut
- 2 PC. Extension rod x L 100mm
  Ball ended threaded adapter
- 2 PC. 11.0mm / 2 PC. 12.5mm / 2 PC. 15.0mm

kg 2.00 / 1 / 12



10 PC.



9BA33

- Easy and fast removing ball bearing by using the puller
- Select proper tips by ball diameter

CONTENTS :

- 1 PC. Puller yoke and center screw
- 1 PC. Top Nut
- 2 PC. Extension rod x L 170mm
  Ball ended threaded adapter :
- 2 PC. 15.0mm / 2 PC. 17.4mm
- 2 PC. 20.0mm / 2 PC. 25.2mm
- 2 PC. 30.0mm / 2 PC. 36.4mm

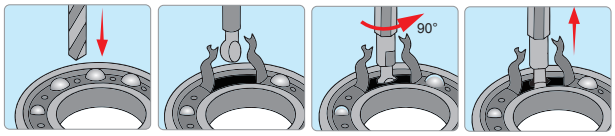


kg 8.00 / 1 / 3



16 PC.





Slide Hammer Gear Puller Set

796401MR

Slide Hammer Puller Set

- For jobs involving pull and grip gears, bearings, outer races, grease retainers, oil seals, etc.
- 2.6 lbs(1.2 kgs) slide hammer
- 400 mm length T-handle puller
- 3-in-1 hammer puller, to handle inside pull such as bearing cups and outer races, as well as regular outside pull jobs

kg 4.50 / 1/4



6 PC.

CONTENTS:

- 1 PC. 400 mm T handle shaft
- 1 PC. 2.6 lbs / 1.2 kgs hammer
- 1 PC. Adjustable nut
- 1SET Internal gear puller for Ø15-30mm(A)
- 1SET Internal gear puller for Ø30-80mm(B)
- 1SET External gear puller for Ø15-80mm(C)

Items		D (mm)	Capacity
Internal gear puller		6	Ø 15-30mm
Internal gear puller		10.5	Ø 30-80mm
External gear puller		10.5	Ø 15-80mm







Riveter & Set

21-20-101

- Stainless steel riveter nozzles
- Drop-forged aluminum body



Ø 2.4~4.8mm

KT NO.	L inch	L mm	Capacity inch	Capacity mm	g	
21-20-101	10-1/4	260	3 / 32 1 / 8 5 / 32 3 / 16	Ø 2.4 Ø 3.2 Ø 4.0 Ø 4.8	588	12 / 24

21-20-07MR

Blow case size (mm) :
276 x 160 x 46(0.122 cuft)



121 PC.

Contents	Kg 1.06	1 / 16	Each Q'ty
4 x 8 mm	4 x 10 mm		20
4 x 8 mm	4 x 10 mm		
4.8 x 8 mm	4.8 x 10 mm		
21-20-101			1

21-20-102

- 4 changeable sizes
- Stainless steel riveter
- The driver can be used in 90° and 180°





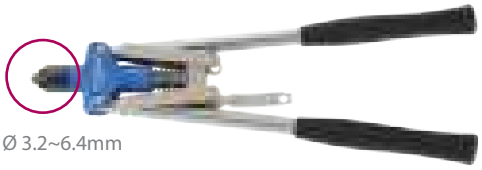


KT NO.	L inch	L mm	Capacity inch	Capacity mm	g	
21-20-102	11	278	3 / 32 1 / 8 5 / 32 3 / 16	Ø 2.4 Ø 3.2 Ø 4.0 Ø 4.8	778	6 / 24

Riveter

79711

- Stainless steel riveter nozzles
- Drop-forged aluminum body
- Heavy duty riveter for stainless or aluminum rivets



Ø 3.2~6.4mm

KT NO.	L inch	L mm	Capacity inch	Capacity mm	g	
79711	18	460	1 / 8 5 / 32 3 / 16 1 / 4	Ø 3.2 Ø 4.0 Ø 4.8 Ø 6.4	1480	1 / 12

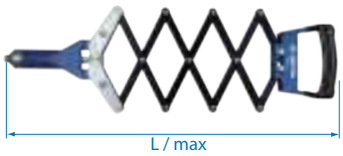
Expander Riveter

79721

- Expander framework design to press riveter
- 4 PC. Interchangeable nozzles
- Heavy duty riveter for stainless or aluminum rivets



L / min



L / max

KT NO.	L mm(min)	L mm(max)	Capacity inch	Capacity mm	kg	
79721	315	870	1 / 8 5 / 32 3 / 16 1 / 4	Ø 3.2 Ø 4.0 Ø 4.8 Ø 6.4	2.00	1 / 10

Blind Nut Riveter

21-30-09MR

- Designed for fastening object to thin metal
- 4 PC. interchangeable mandrels (M4, M5, M6, M8)
- 80 PC. iron nut rivet



85 PC.

KT NO.	L inch	L mm	Capacity	kg	
21-30-09MR	10-1/2	265	M4 x 0.7 M5 x 0.8 M6 x 1.0 M8 x 1.25	1.32	1 / 12

Nut Riveter

79731

- Stainless steel nut riveter nozzles
- Drop-forged aluminum body
- Heavy duty riveter for stainless or aluminum rivet nuts

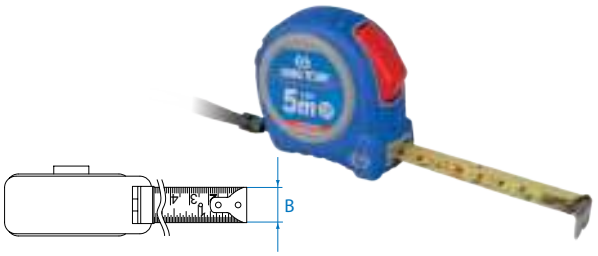
KT NO.	L inch	L mm	Capacity	kg	
79731	18	472	M5 M6 M8 M10	1.86	1 / 12



Measuring Tape

- Auto-Lock measuring tape
- Two retrieval buttons
- Nylon coating 3-rivet blade
- Ergonomic & shockproof ABS+TPE case
- Specially red marked each 10cm scale
- EU Class II accuracy standard approval

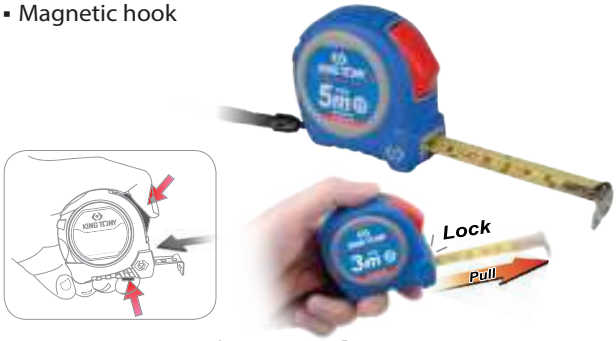
79093



KT NO.	L M / FT	B mm	g	
79093-02M	2M	16	110	16 / 64
79093-03M	3M	16	137	16 / 64
79093-05M	5M	19	210	14 / 56
79093-05M1	5M	25	260	12 / 48
79093-08M	8M	25	420	12 / 48
79093-03C	3M/10FT	16	137	16 / 64
79093-05C	5M/16FT	19	210	14 / 56
79093-08C	8M/26FT	25	420	12 / 48

79094

- Magnetic hook



KT NO.	L M / FT	B mm	g	
79094-02M	2M	16	110	16 / 64
79094-03M	3M	16	137	16 / 64
79094-05M	5M	19	210	14 / 56
79094-08M	8M	25	420	12 / 48
79094-03C	3M/10FT	16	137	16 / 64
79094-05C	5M/16FT	19	210	15 / 60
79094-05C1	5M/16FT	25	260	12 / 48
79094-08C	8M/26FT	25	420	12 / 48

Paper Display Stand

87118

- Capacity : 12 PC.
- For all measuring tape (79093 / 79094 <02M,03M,05M>series)
- Paper display stand size(mm) : 309 x 237 x 189 (0.489 CUFT)



Measuring

79062

- Adjustable square measuring with angle spirit level 305mm
- Sliding combination of square, spirit level, height gauge and steel rule
- 90° and 45° level allow try-square and metre-square work
- Metal scriber pin in the end
- Metric and imperial marking at both sides
- Precision cast zinc alloy and stainless blade
- For woodwork

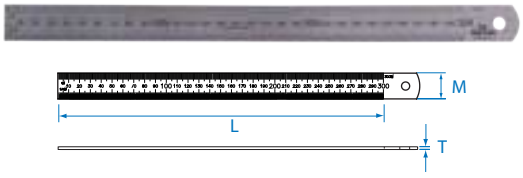


KT NO.	L mm	L inch	g	
79062-12	305	12	312	12 / 72

Stainless Ruler

79063

- Stainless steel deeply etched for easy reading
- Dual scale : metric & imperial marking (mm/inch)



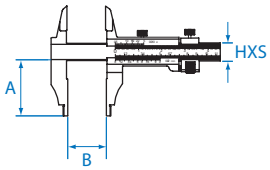
KT NO.	L mm	L inch	W mm	T mm	g	
79063-06	150	6	14.7	0.6	12	100 / 1500
79063-12	300	12	23.7	1.0	65	20 / 400
79063-20	500	20	28.5	1.2	145	10 / 160
79063-40	1000	40	35.0	1.2	360	10 / 80

Calipers

77121

- Vernier calipers with fine adjustment and nib jaws
- Inside and outside measurement can be read directly from jaw
- Dual scale : metric & imperial marking (mm/inch)
- The calipersis made of hardened stainless steel



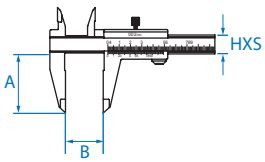


KT NO.	A mm	B max mm	B max inch	Vernier mm	Vernier inch	H x S mm	g	
77121-08	60	200	8	0.02	0.001	20 x 4	860	1 / 10

77131

- Vernier calipers parallax free
- Parallax free bevel scales for easy and accurate measurement
- 4 way measurement capability for outside, inside, depth and step measurement
- The caliperis made of hardened stainless steel





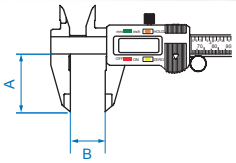
KT NO.	A mm	B max mm	Vernier mm	H x S mm	g	
77131-06	40	150	0.02	16 x 3	320	1 / 50
77131-08	50	200	0.02	20 x 4	450	1 / 50

Calipers

77141

- Digital calipers
- Digital display slide calipers with thumb roller
- Large clear LCD on/off, metric/imperial, zero switches
- Hold function allows quick and efficient inspection record
- Made of hardened stainless steel





KT NO.	A mm	B max mm	B max inch	Resolution mm	Resolution inch	g	
77141-06	40	150	6	0.01	0.001	320	1 / 20
77141-08	50	200	8	0.01	0.001	485	1 / 50

Metric Feeler Gauge

- Material: blade made of spring steel

77340-20

- 20 blades metric feeler gauge

CONTENTS :

- 0.05, 0.10, 0.15, 0.20, 0.25, 0.30, 0.35, 0.40, 0.45, 0.50, 0.55, 0.60, 0.65, 0.70, 0.75, 0.80, 0.85, 0.90, 0.95, 1.00 mm



KT NO.	Number of blades	Width x Length of blades (mm)	g	
77340-20	20	10 x 100	105	50 / 200

77335-25

- 25 blades metric feeler gauge

CONTENTS :

- 0.04, 0.05, 0.06, 0.07, 0.08, 0.09, 0.10, 0.15, 0.20, 0.25, 0.30, 0.35, 0.40, 0.45, 0.50, 0.55, 0.60, 0.65, 0.70, 0.75, 0.80, 0.85, 0.90, 0.95, 1.00 mm



KT NO.	Number of blades	Width x Length of blades (mm)	g	
77335-25	25	13 x 85	105	50 / 200

Metric Feeler Gauge

- Material: blade made of spring steel

77328-26

- 26 blades inch feeler gauge

CONTENTS :

- 0.0015", 0.002", 0.0025", 0.003",
- 0.004", 0.005", 0.006", 0.007",
- 0.008", 0.009", 0.010", 0.011",
- 0.012", 0.013", 0.014", 0.015", 0.016", 0.017", 0.018", 0.019", 0.020", 0.021", 0.022", 0.023", 0.024", 0.025"

- 0.038, 0.051, 0.063, 0.076, 0.102, 0.127, 0.152, 0.178, 0.203, 0.229, 0.254, 0.279, 0.305, 0.330, 0.356, 0.381, 0.406, 0.432, 0.457, 0.483, 0.508, 0.533, 0.559, 0.584, 0.610, 0.635 mm



KT NO.	Number of blades	Width x Length of blades (mm)	g	
77328-26	26	12.7 x 76	91	14 / 168

Roller Chain Detacher

3214



KT NO.	For chain size ANSI NO.	g	
3214-35	35~50	310	1 / 60
3214-60	60~100	691	1 / 20

Retractable Tool Lanyard

79A21-30

79A22-30

- Retractable tool lanyard
- 3 kgs maximum tool weight
- Nylon tether with steel spring inside to absorb the shock of a dropped tool
- Increases safety and productivity
- Ergonomically designed length



79A21-30

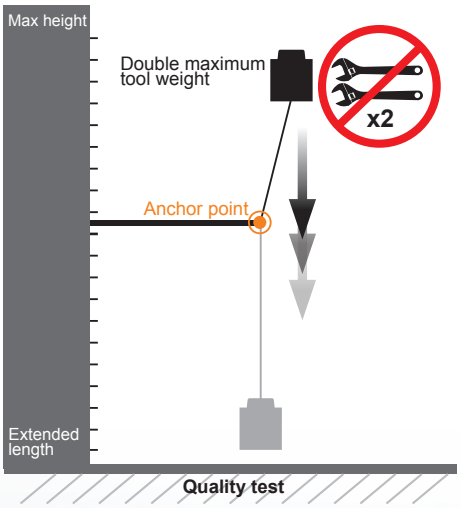


79A22-30





KT NO.	Capacity mm	Hook	g	
79A21-30	800~1300	2 lock snaps	106	12 / 144
79A22-30	800~1300	fixed loop	89	12 / 144



- The retractable tool lanyards are developed according to KING TONY standard. The steel lanyards are tested by double maximum weight and dropped from height. Product quality is approved.

Round Magnetic Tool Holder



9TE11

- Stainless steel tray resists corrosion
- Can be used horizontally, vertically, and upside down
- Convenient for collecting small parts and tools





KT NO.	Size mm	g	
9TE11	Ø 150	433	1 / 30

PU Working Gloves



9TH31-XL

9TH31-2L

- Strap design for easy adjustments
- Comfortable and breathable fabric material



KT NO.	Size	Width mm	Overall Length mm	g	
9TH31-XL	XL	107	235	70	100
9TH31-2L	2L	112	240	70	100

Anti-vibration Protective Gloves

9TH21XL

- Protection from repetitive impact and vibration of pneumatic tools
- Magnet in back of glove for storing metal parts and fasteners

g 110 100





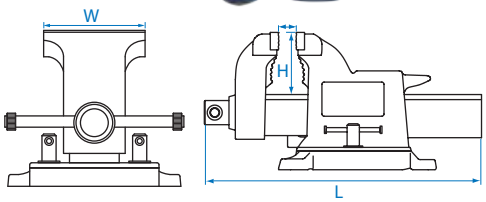
KT NO.	Size	Width mm	Overall Length mm	g	
9TH21XL	XL	112	235	110	100

360° Cast Steel Bench Vise & Display Rack

9TZ11

- Cast steel body and slide ideal for heavy duty applications
- Ductile cast iron screw pitched acme thread ensures long life and positives action
- Serrated jaws design provides good grip
- 360° swivel base allows operator to approach any direction

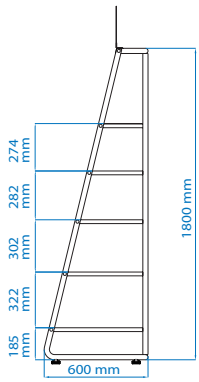




KT NO.	W mm	W inch	W mm	H mm	L mm	Kg	
9TZ11-04	146	4"	104	57	310	7.50	1
9TZ11-05	166	5"	130	67	365	11.00	1
9TZ11-06	200	6"	155	76	422	14.50	1
9TZ11-08	225	8"	200	89	492	18.00	1
9TZ11-10	250	10"	250	102	572	25.60	1
new 9TZ11-12	300	12"	305	127	655	33.00	1

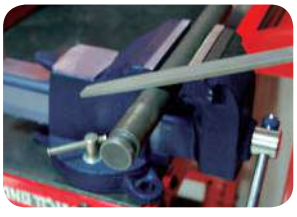
87160

- Overall Size - W 400 x D 600 x H 2070 mm







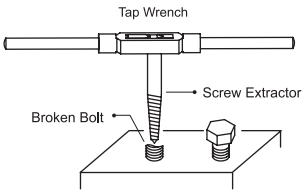


Screw Extractor Set

11205SQ

- A quick and easy way to remove broken screw, pipe, bolt and stud

100 | 25 / 100





5 PC.

KT NO.	Capacity mm	Capacity inch	L mm
2127-06M	M3~M6	1/8~1/4	51.5
2127-08M	M6~M8	1/4~5/16	58.0
2127-11M	M8~M11	5/16~7/16	66.0
2127-14M	M11~M14	7/16~9/16	73.5
2127-18M	M14~M18	9/16~3/4	81.0

11208SQ

- Quick and easy to remove broken screw, pipe, bolt and stud

829 | 6 / 24





8 PC.

KT NO.	Capacity mm	Capacity inch	L mm
2127A-06M	M3~M6	1/8~1/4	51.5
2127A-08M	M6~M8	1/4~5/16	58.0
2127A-11M	M8~M11	5/16~7/16	66.0
2127A-14M	M11~M14	7/16~9/16	73.5
2127A-18M	M14~M18	9/16~3/4	81.0
2127A-24M	M18~M24	3/4~1	91.0
2127A-33M	M24~M33	1~1-3/8	106.0
2127A-50M	M33~M50	1-3/8~2	112.0

Screw Extractor & Drill Set

11225SQ

- Easy to remove 5~14 mm broken screws
- 15 PC. HSS drill bit & center guide
- 10 PC. extractor pin & nut

0.79 | 1 / 20

Blow case size (mm) :
260 x 175 x 60 (0.096CUFT)



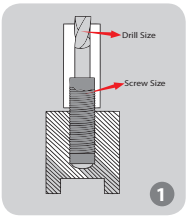
25 PC.

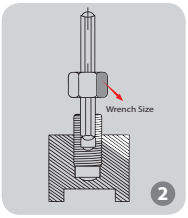


- Use the guide to drill a pilot hole in the center of broken screw



- Put on extractor nut turning out broken screw with wrench





Nut Splitter Set

9TD062

- For removing stubborn nuts or over tightened bolts without damaging the bolt thread
- Suitable for nuts to a tensile class 6
- Do not overtighten to prevent damage to the threads under the nut

0.61 | 12 / 36



2 PC.

KT NO.	Capacity inch	Capacity mm	Hex (mm)
9TD602	1/2"~5/8"	12~16	14
9TD603	5/8"~7/8"	16~22	19

9TD064

Blow case size (mm) :
260 x 175 x 60 (0.096CUFT)

1.89 | 1 / 12

KT NO.	Capacity inch	Capacity mm	Hex (mm)
9TD601	5/16"~1/2"	9~12	12
9TD602	1/2"~5/8"	12~16	14
9TD603	5/8"~7/8"	16~22	19
9TD604	7/8"~1-1/8"	22~27	21





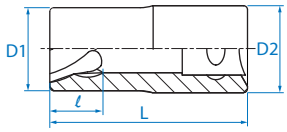
4 PC.

1/2" DR. Damaged Nuts Remover Socket & Set

CAUTION Can't be used with pneumatic wrench

9TD403 1/2"

- Made of top quality SNCM alloy steel, provide good wear resistance and durability
- Ideal for the removal of rounded, damaged or corroded nuts, bolts, oil drain plugs, marine nuts and bolts, exhaust manifold nuts, pipe nozzele, and studs
- No need for pounding, chisels or torches





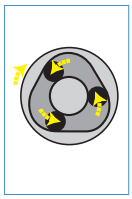
KT NO.	D1 mm	D2 mm	ℓ mm	L mm	g	
9TD403-10M	16.0	22	8	50	70	10 / 180
9TD403-12M	18.0	22	11	50	77	10 / 180
9TD403-13M	20.0	22	11	50	84	10 / 180
9TD403-14M	21.0	22	11	50	85	10 / 180
9TD403-17M	24.5	25	15	50	117	10 / 180
9TD403-19M	27.0	27	15	50	135	8 / 80
9TD403-21M	29.4	27	16	50	138	8 / 80
9TD403-22M	30.5	27	17	50	140	8 / 80
9TD403-23M	31.8	27	17	50	136	8 / 80
9TD403-24M	33.0	27	17	50	140	8 / 80
9TD403-27M	36.0	27	18	50	146	8 / 80

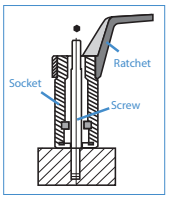
Roller Stud Extractor Socket & Set

9TD401 1/2"

- For tightening or loosening studs









KT NO.	mm	D1 mm	D2 mm	L mm	g	
9TD401-06M	6	24.5	21	60	150.0	10 / 180
9TD401-08M	8	24.5	21	60	150.0	10 / 180
9TD401-10M	10	27.5	21	69.5	190.0	12 / 120
9TD401-12M	12	27.5	21	69.5	190.0	12 / 120

9TD014MR 1/2"

- 4 stud drivers for sizes M6, M8, M10 and M12

Kg 1.10 1 / 25

Blow case size (mm) :
210 x 111 x 49 (0.04CUFT)





4 PC.

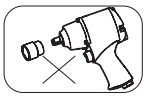
9TD 1/2"



9TD034MR 4 PC.

9TD035MR 5 PC.

9TD036MR 6 PC.









KT NO.	Contents			Kg	
9TD034MR	9TD403	21, 22, 23 27	8740705	0.58	4/36
9TD035MR		12, 13, 14, 17, 19		0.52	
9TD036MR		10, 12, 13 14, 17, 19	8740706	0.60	

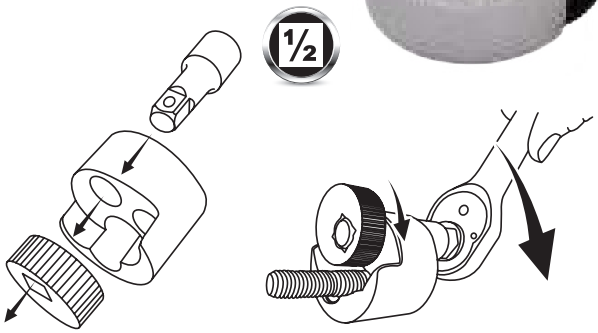
Stud Remover Tool

9TD404-0619M new

- Stud range: 6-19mm (1/4" - 3/4")
- Allows for easy removal of studs .Turn extractor with a ratchet, wrench or socket to engage the cam and stud, then pull out stud

Kg 0.64 1 / 24





Aviation Tin Snips

74010~74060

- Special drop forged CRMO with induction hardened edges 62HRC
- Blades with serrated edges fast cuts in sheet metal, aluminum, and much more
- Cut 1.2mm cold-rolled steel (18GA) low carbon steel
- Non-slip color code grips for superior control
- 74040 Notching bulldog style with higher cutting ability
- 74060 Extra-long compound action style compare to tin snips

- Special laborsaving design
- High tensile strength
- High torsional strength spring
- Solid and comfortable handle with non-slip design
- Hang-up hole for convenient storage
- Safety auto latch (D.PAT.)



74010
74020
74030
74040
74060

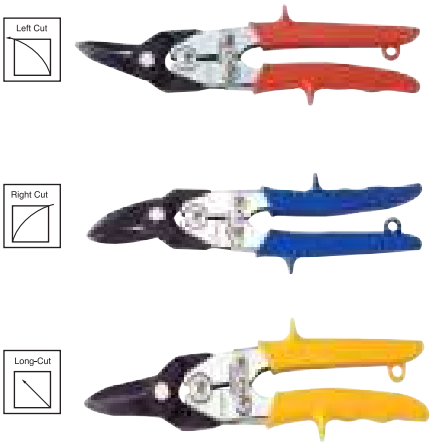
KT NO.	Overall length mm	Cutting length mm	Color of handle	Cutting capacities (mm) Copper (soft)	Cold-rolled steel (soft)	Hard steel HRC 30 (Hard)	Stainless steel304	g	
74010	248	35	Red	1.50	1.20	0.80	0.70	375	6 / 48
74020	248	35	Green	1.50	1.20	0.80	0.70	375	6 / 48
74030	250	38	Yellow	1.50	1.20	0.80	0.70	380	6 / 48
74040	230	25	Yellow	2.00	1.60	1.20	1.20	370	6 / 36
74060	290	75	Orange	1.10	0.94	0.70	0.53	450	6 / 36

Figure Tin Snips

74250~74270

- Special drop forged CRMO with induction hardened edges 63HRC
- Blades with serrated edges fast cuts in sheet metal, aluminum, and much more
- Cut 1.5mm cold-rolled steel (16GA) low carbon steel
- Non-slip color code grips for superior control

- Special laborsaving design
- High tensile strength provided
- High torsional strength spring designed
- Solid and comfortable handle with non-slip design
- Hang-up hole for convenient storage
- Safety auto latch (D.PAT.)



74250
74260
74270

KT NO.	Overall length mm	Cutting length mm	Color of handle	Cutting capacities (mm) Copper (soft)	Cold-rolled steel (soft)	Hard steel HRC 30 (Hard)	Stainless steel304	g	
74250	260	35	Red	1.80	1.50	1.00	0.90	480	6 / 36
74260	260	35	Blue	1.80	1.50	1.00	0.90	480	6 / 36
74270	260	35	Yellow	1.80	1.50	1.00	0.90	480	6 / 36

Straight Pattern Snips

74410~74416

- Drop forged of finest quality steel induction hardened edges 60HRC
- Cuts straight flat face guides tool along straight line
- Blades individually hand edged for maximum cutting efficiency
- Cushion handle for comfort and better grip



74410 ~ 74416

KT NO.	Overall length mm	Cutting length mm	Cutting capacities (mm) Copper (soft)	Cold-rolled Steel (soft)	Hard steel HRC 30 (Hard)	Stainless steel304	g	
74410	254	51	0.94	0.78	0.60	0.45	480	6 / 36
74412	305	70	1.15	0.91	0.70	0.63	650	6 / 24
74414	356	76	1.41	1.20	1.00	0.70	780	6 / 24
74416	415	63	2.00	1.60	1.20	1.00	1700	3 / 12

Curved Tin Snips

74512

- Drop forged of finest quality steel induction hardened edges 60HRC
- Double curved, hollow ground blades reduce friction for easier cutting
- British Gilbow type
- Cushion handle for comfort and better grip

74514



74512 / 74514

KT NO.	Overall length mm	Cutting length mm	Cutting capacities (mm) Copper (soft)	Cold-rolled steel (soft)	Hard steel HRC 30 (Hard)	Stainless steel304	g	
74512	305	60	1.15	0.91	0.70	0.63	670	6 / 24
74514	356	65	1.40	1.20	100	0.70	920	6 / 24

Duckbill Pattern Snips

74613

- Drop forged of finest quality steel induction hardened edges 60HRC
- Cuts moderately tight curves left, right or straight in light stock
- Blades individually hand edged for maximum cutting efficiency
- Cushion handle for comfort and better grip



KT NO.	Overall length mm	Cutting length mm	Cutting capacities (mm) Copper (soft)	Cold-rolled steel (soft)	Hard steel HRC 30 (Hard)	Stainless steel304	g	
74613	330	72	1.20	0.84	0.61	0.61	720	6 / 24

Saw

7911-12

- Sliding metal bow
- Lightweight, resistant to oxidization and oil
- Two blade positions 45° and 90° including flush cut
- Ergonomic handle with hand stop
- Handle material : Zinc frame, soft grip TPR handle



KT NO.	Adjustable blade length (mm)	Overall length mm	g	
7911-12	300	400	628	6 / 36
7911-12P01	Blade		17	100 / 1200

Saw

7921-12

- Sliding metal bow
- Handle material : ABS+TPR
- Lightweight & anti-slippery
- Four blade positions 45°, 90°, 135°, 180° including flush cut
- Spare blades can be stored



KT NO.	Adjustable blade length (mm)	Overall length mm	g	
7921-12	300	510	555	12 / 24

File

7510G

- Flat file



KT NO.	Size mm		L mm	mm	mm	g	
75101-08G	8	Bastard cut	200	4.8	20.0	190	2 / 40
75101-10G	10		250	5.7	23.6	292	2 / 40
75102-08G	8	Second cut	200	4.8	20.0	190	2 / 40
75102-10G	10		250	5.7	23.6	288	2 / 40

7520G

- Half round file



KT NO.	Size mm		L mm	mm	mm	g	
75201-08G	8	Bastard cut	200	6.7	19.9	190	2 / 40
75201-10G	10		250	7.0	23.5	292	2 / 40
75202-08G	8	Second cut	200	6.7	19.9	190	2 / 40
75202-10G	10		250	7.0	23.5	288	2 / 40

7530G

- Round file



KT NO.	Size mm		L mm	mm	g	
75302-08G	8	Second cut	200	7.2	122	2 / 40
75302-10G	10		250	9.2	185	2 / 40

7540G

- Triangle file



KT NO.	Size mm		L mm	mm	g	
75402-08G	8	Second cut	200	13.0	183	2 / 40
75402-10G	10		250	14.9	254	2 / 40

7550G

- Square file



KT NO.	Size mm		L mm	mm	g	
75501-08G	8	Bastard cut	200	7.5	130	2 / 40
75501-10G	10		250	9.5	210	2 / 40
75502-08G	8	Second cut	200	7.5	132	2 / 40
75502-10G	10		250	9.5	218	2 / 40

File Set

1005GQ

1015GQ

- Available with T2 cut for precision work
- Pouch material : Nylon

5 PC.



1005GQ / 1015GQ

KT NO.	Contents	L inch	Kg	
1005GQ (for 8")	75102-08G, 75202-08G, 75302-08G, 75402-08G, 75502-08G	8"	0.9	1 / 20
1015GQ (for 10")	75102-10G, 75202-10G, 75302-10G, 75402-10G, 75502-10G	10"	1.4	1 / 8

Needle Files Set

- Pouch material : Nylon

1036ZQ

- Available with GCR15 cut for precision work



6 PC.

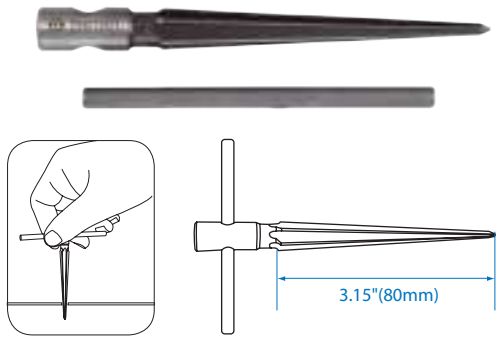
Contents			L mm		
75135-06	75435-06				
75235-06	75535-06		160	95	10 / 120
75335-06	75035-06				

Tapered Reamer

7E61001

- For deburring and sizing the diameter of holes 1/8" to 3/8"
- Suitable for metal, wood or plastic

70 g 24 / 96



Tap Wrench

39110312M



KT NO.	Size inch		L mm		
39110312M	1/8-1/2	M3-M12	196	128	1 / 100

Threaded Coil-Insert Repair Set

11311MQ

- Thread tap for most common metric size : M5, M6, M8 and M10
- Used for repairing and restoring damaged threads
- Suitable for machine, engine and other automotive repair applications



119 PC.

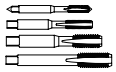
Metal case size (mm) : 350 x 216 x 40

Contents — 2.78 kg — 1 / 5



Screw-Coil:

M5x0.8x1.5D(L:7.5mm)	25 PC.
M6x1.0x1.5D(L:9mm)	25 PC.
M8x1.25x1.5D(L:12mm)	25 PC.
M10x1.5x1.5D(L:15mm)	25 PC.



Tap:

M5x0.8	1 PC.
M6x1.0	1 PC.
M8x1.25	1 PC.
M10x1.5	1 PC.

Tang Puncher:

M5x0.8	1 PC.
M6x1.0	1 PC.
M8x1.25	1 PC.
M10x1.5	1 PC.

Drill:

5.2mm	1 PC.
6.3mm	1 PC.
8.3mm	1 PC.
10.4mm	1 PC.



Main Tool:

M5x0.8	1 PC.
M6x1.0	1 PC.
M8x1.25	1 PC.
M10x1.5	1 PC.

3571-08	3/8"drive sliding T-handle
3760-05G	3/8"drive mini reversible ratchet
39123012M	3/8" tap holder

Tap Holder

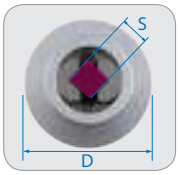
3912M

- Used with reversible ratchet and T-handle
- Chuck mechanism hold compatible tap drills
- Used for metal working screw thread









KT NO.	Drive	D mm	S(mm) min.	S(mm) max.	g	
39123010M	3/8	34.5	2.0	6.0	221	4 / 64
39123012M	3/8	34.5	4.0	9.0	221	4 / 64
39124012M	1/2	38.5	6.0	12.0	259	4 / 64

Tap & Die Set

12916MQ1

- Material : SK5 alloy steel
- 1 PC.Tap wrench(M3-M12, 1/8"~1/2")
- 1 PC. Die stock 25mm(1")
- Tap : M3~M12
- Die : M3~M12



16 PC.

Contents		0.78	1 / 20
12939MQ-A	M3x0.5, M4x0.7, M5x0.8, M6x1.0, M8x1.25, M10x1.5, M12x1.75	12939MQ-A01	25mm (1")
12939MQ-A		12939MQ-A02	M3~M12 (1/8"~1/2")

12939MQ1

- Material : SK5 alloy steel
- 1 PC. Tap wrench(M3-M12, 1/8"~1/2")
- 1 PC. "T" Type tap wrench(M3-M6, 1/8"~1/4")
- 1 PC. Die stock 25mm(1")
- 1 PC. Screw driver
- 12939MQ1-
  1 PC. Screw pitch gauge (0.5-28)
  Tap : M3~M12 / Die: M3~M12
- 12939SQ1-
  1 PC. Screw pitch gauge(12-40)
  Tap : 1/8"~1/2" / Die : 1/8"~1/2"

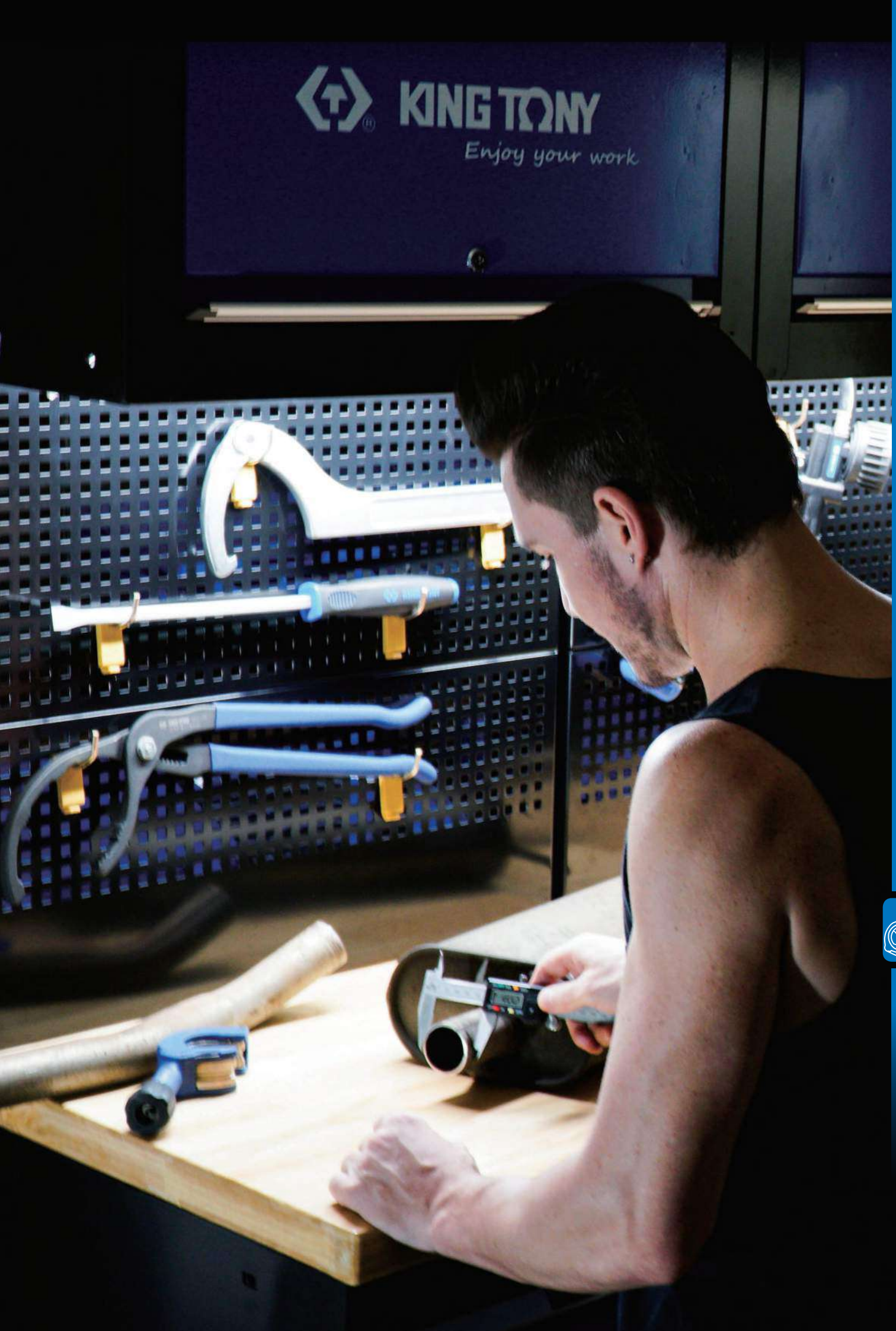


12939SQ1



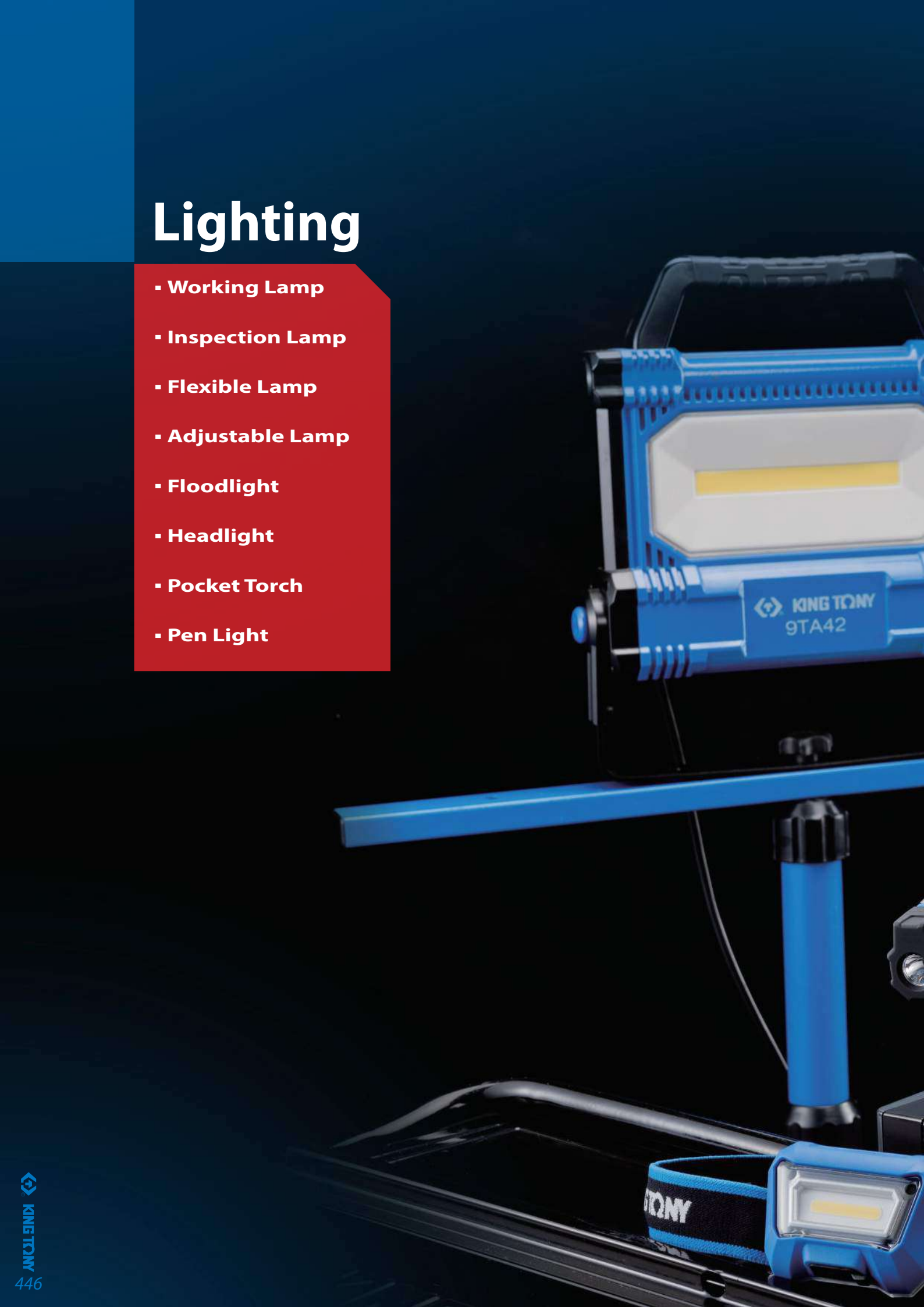
39 PC.

KT NO.		Contents	1.4	1 / 10
12939MQ1	12939MQ-A	**12939MQ-A06** / M3x0.5, **12939MQ-A07** / M3x0.6, **12939MQ-A08** / M4x0.7, **12939MQ-A09** / M4x0.75, **12939MQ-A10** / M5x0.8, **12939MQ-A11** / M5x0.9, **12939MQ-A12** / M6x0.75, **12939MQ-A13** / M6x1.0, **12939MQ-A14** / M7x0.75, **12939MQ-A15** / M7x1.0, **12939MQ-A16** / M8x1.0, **12939MQ-A17** / M8x1.25, **12939MQ-A18** / M10x1.25, **12939MQ-A19** / M10x1.5, **12939MQ-A20** / M12x1.5, **12939MQ-A21** / M12x1.75, **12939MQ-A22** / 1/8NPT27	12939MQ-A01	25mm (1")
	12939MQ-A	**12939MQ-A23** / M3x0.5, **12939MQ-A24** / M3x0.6, **12939MQ-A25** / M4x0.7, **12939MQ-A26** / M4x0.75, **12939MQ-A27** / M5x0.8, **12939MQ-A28** / M5x0.9, **12939MQ-A29** / M6x0.75, **12939MQ-A30** / M6x1.0, **12939MQ-A31** / M7x0.75, **12939MQ-A32** / M7x1.0, **12939MQ-A33** / M8x1.0, **12939MQ-A34** / M8x1.25, **12939MQ-A35** / M10x1.25, **12939MQ-A36** / M10x1.5, **12939MQ-A37** / M12x1.5, **12939MQ-A38** / M12x1.75, **12939MQ-A39** / 1/8NPT27	12939MQ-A02	M3~M12 (1/8"~1/2")
	12939MQ-A03	0.5, 0.6, 0.7, 0.75, 0.8, 0.9, 1.0, 1.25, 1.5, 1.75, 27, 28	12939MQ-A04	M3~M6 (1/8"~1/4")
12939SQ1	12939SQ-A	4NS36, 6NC32, 8NC32, 10NC24, 10NF32, 12NC24, 1/4NC20, 1/4NF28, 5/16NC18, 5/16NF24, 3/8NC16, 3/8NF24, 7/16NC14, 7/16NF20, 1/2NC13, 1/2NF20, 1/8NPT27	12939MQ-A05	
	12939SQ-A			
	12939SQ-A03	12, 13, 14, 16, 18, 20, 24, 27, 28, 32, 36, 40		


KING TONY
Enjoy your work

Lighting

- Working Lamp
- Inspection Lamp
- Flexible Lamp
- Adjustable Lamp
- Floodlight
- Headlight
- Pocket Torch
- Pen Light




KING TONY
9TA241
KING TONY
9TA261
KING TONY

3W COB + 5 LED Lamp

9TA27

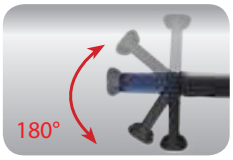
- 3W COB + 5 LEDs (top)
- Brightness : 300 Lumen (lm), white light color, kelvin : 7200K
- Materials : ABS + PS
- 180° magnetic swivel base + 360° functional hook
- Rechargeable battery : 3.7V - 2600mAh Li-ion
- Accessory : USB charging cable
- 4 hours continuous light, charge times : 4.5 hours



Battery status indicator light



USB charger port



180° swivel base



Top light with 5 LED





KT NO.	Applicable area	L mm	g		
9TA27A	Europe	220	236	1 / 24
9TA27B	America & Asia	220	236	1 / 24
9TA27D	Australia & New Zealand	220	236	1 / 24

Contents		
3W COB + 5 LED rechargeable work lamp		x 1 PC.
AC charger		x 1 PC.
USB cable		x 1 PC.

7W SMD + LED Lamp

9TA241 new

- 7W SMD + 3W LED(top)
- Brightness : 400 Lumen(lm), kelvin : 6500K, white light color
- Switch Mode : Top light - Main light - OFF
- Material : ABS + PC
- 180° magnetic swivel base + two 360° functional hooks, two magnets in the back
- Rechargeable battery : 3.7V - 2600mAh Li-ion battery
- Accessory : 5V 1.0A USB charger + micro USB charging cable
- 3 hours continuous light
- Charging time : 3.5 hours

RoHS



• 3W LED - Top



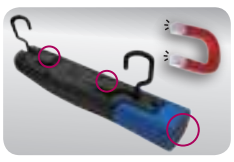
• 180° swivel lighting



• USB charger port







• Hooks & magnets



KT NO.	Applicable area	L mm	g		
9TA241A	Europe	255	310	1 / 12
9TA241B	America & Asia	255	310	1 / 12
9TA241D	Australia & New Zealand	255	310	1 / 12

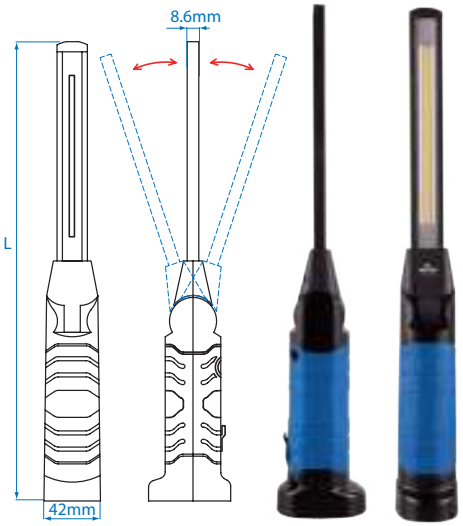
Contents		
7W SMD LED lamp		x 1 PC.
USB charger		x 1 PC.
USB cable		x 1 PC.

6W COB +1W SMD Slim Inspection Lamp

9TA261

- Brightness - Worklight : 600/250 Lumen (lm), Top light : 120 lumen (lm), white light color, kelvin : 6500K
- Materials : ABS plastic + rubber housing + PC lens + aluminium slim housing
- 120° Angle rotation & magnetic base
- Rechargeable battery : 3.7V - 2600mAh Li-ion
- Switch modes : Top light – Worklight low-Worklight high-Off
- Accessory : USB cable and charger
- 3 hours continuous for high worklight and 6 hours for low worklight
- Charge times : 4 hours





KT NO.	Applicable area	L mm	g	
9TA261A	Europe	340	300	1 / 12
9TA261B	America & Asia	340	300	1 / 12
9TA261D	Australia & New Zealand	340	300	1 / 12

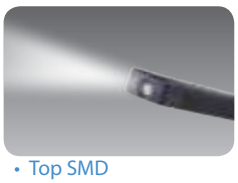
Contents

COB LED lamp	x 1 PC.
USB charger	x 1 PC.
USB cable	x 1 PC.

Foldable Pocket Slim Lamp

9TA263 new

- 2W COB + 1.5W COB + 1W SMD (Top)
- White light color, kelvin : 6000K~7000K
- Switch Mode :
  Top light - 80 Lumen(lm) / 3 hours
  Main light low/ high - 100 / 200 Lumen(lm) - 4 / 2 hours
  Side light -180 Lumen(lm) / 2.2 hours
- Material : PA + Aluminium
- Strong magnetic base + 180° swivel head
- Rechargeable battery : 3.7V - 700mAh Li-ion battery
- Accessory :1m USB charging cable and 5V 1A USB charger
- One led indicator - Red : Charging, Green : Full Charged
- Charge time : 2.5 hours



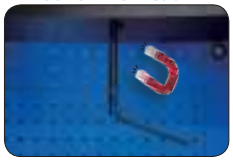
• Top SMD



• 180° Swivel head



• Side COB



• Strong magnetic base

KT NO.	L mm	g	
9TA263	164	80.8	1 / 48



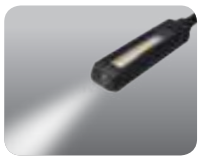
Contents

Foldable pocket slim lamp	x 1 PC.
USB cable	x 1 PC.

Flexible LED Slim Lamp

9TA251 new

- 5W COB + 3W SMD (Top)
- White light color, kelvin : 6000K~6500K
- Switch Mode :
  Top light -120 Lumen(lm) / 9 hours
  Main light - Stepless Dimmer Switch :
  Min ~ Max - 50 ~ 500 Lumen(lm) / 16 ~ 2 hours
- Material : PA + TPE housing
- Flexible Gooseneck + 90° hiding hook + Strong magnetic base
- Rechargeable battery : 3.7V - 2600mAh Li-ion battery
- Accessory :1m USB charging cable and 5V 1A USB charger
- Three leds battery indicator
- Charging time : 4 hours



• Top SMD



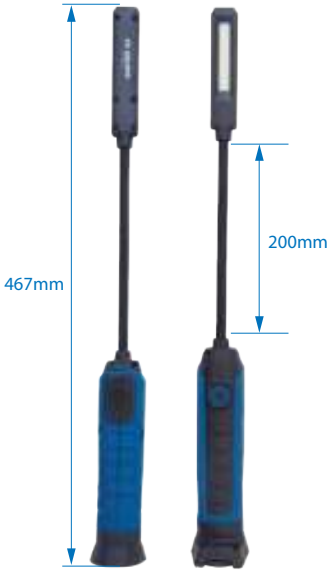
• USB charger port + battery indicator



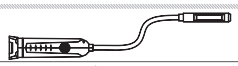
• Strong magnetic + 90° Hook



• Stepless Dimmer Switch



KT NO.	Applicable area	L mm	g	
9TA251A	Europe	467	322	1 / 12
9TA251B	America & Asia	467	322	1 / 12
9TA251D	Australia & New Zealand	467	322	1 / 12

Contents		
Flexible Slim Lamp		x 1 PC.
USB charger		x 1 PC.
USB cable		x 1 PC.

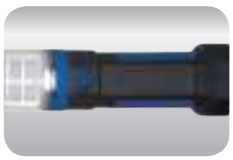
12W SMD LED Adjustable Lamp

9TA31

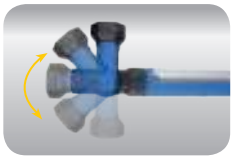
- 60 PC. SMD LEDs
- Brightness : 1200 Lumen (lm), white light color, kelvin : 7000~7800K
- Materials : ABS+PC
- Two step adjustable light
- Hidden hook and magnetic adsorption
- Rechargeable battery : 7.4V - 2600mAh Li-ion
- Accessory : AC 100~240V, 50/60Hz EU battery charger,
  DC 12V cigarette plug charger
- 2 hours continuous light, charge times : 4.5 hours



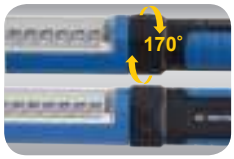
• Adjustable light



• Two step adjustable light



• Magnetic swivel base

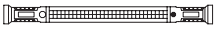


• body swivel knot





KT NO.	Applicable area	L mm	g	
9TA31A	Europe	760	790	1 / 8
9TA31B	America & Asia	760	790	1 / 8
9TA31D	Australia & New Zealand	760	790	1 / 8

Contents		
12W SMD LED rechargeable work lamp		x 1 PC.
AC charger		x 1 PC.
DC car charger		x 1 PC.

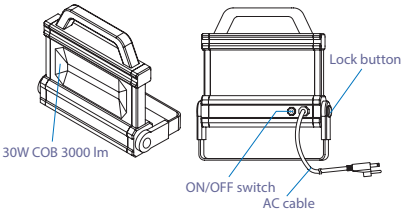
30W Wired COB LED Floodlight

9TA42

- 30W COB LED floodlight with portable handle
- Brightness : 3000 Lumen (lm), white light color, kelvin : 6000~7000K
- IP54 aluminum housing + waterproof coating
- Slim profile with lockable adjustment and 180° swivel base
- Option to wall mount or tripod stand at work sites
- Accessory : AC adapter 100~240V, 50/60Hz cable 1.8M



• Swivel base





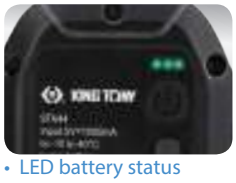
KT NO.	Applicable area	L x H x W mm	g	
9TA42A	Europe	238 x 270 x 46	1239	1 / 6
9TA42B	America & Asia	238 x 270 x 46	1239	1 / 6
9TA42D	Australia & New Zealand	238 x 270 x 46	1239	1 / 6

Dual - Light Pocket Lamp

9TA44 new

- 7W COB LED + 3W SMD
- White light color, kelvin : 6500K
- Switch Mode :
  Spotlight - 250 Lumen (lm) / 4 hours
  Low light -120 Lumen (lm) / 12 hours
  Mid light - 350 Lumen (lm) / 5 hours
  Hight light - 700 Lumen (lm) / 2.5 hours
- Material : Durable housing and lens
- 180° flexible handle + super strong magnet on the handle
- Rechargeable battery : 3.7V - 2600mAh Li-ion battery
- Accessory : Type-C USB charging cable
- 3 LED battery status indicators
- Charging time : 4 hours

RoHS



• LED battery status indicators



• 360° flexible direction





• Super strong magnet on the handle



KT NO.	Applicable area	L mm	g	
9TA44A	Europe	94 x 80 x 36	210	1 / 24
9TA44B	America & Asia		210	1 / 24
9TA44D	Australia & New Zealand		210	1 / 24

Contents		
Dual - Light Pocket Lamp		x 1 PC.
Type-C USB		x 1 PC.

Adjustable Tripod for Floodlight

87162

- Can hold one light or 2 lights (with T-Bar)
- Durable heavy duty steel tripod body
- Three section tube diameter : 25mm /32mm / 38mm
- Adjustable tripod height from 700mm to 1500mm
- Portable, easy to fold and great for transportation





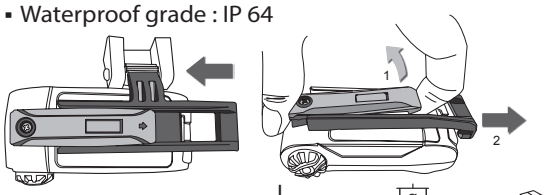


KT NO.	Tube Diameter (mm)	Loading Weight (kg)	Folded Length (mm)	Max height (mm)	g	
87162	38	3.0	700	1500	650	1 / 6

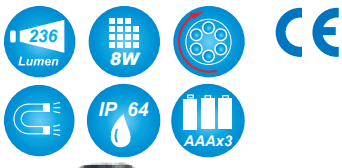
Multi-Functional Adjustable COB Headlight

9TA51

- 5W Multi-Functional Adjustable COB Headlight
- Brightness : 236 Lumen (Lm)
- Magnetic swivel clip
- Operates using 3 x AAA batteries (not included)
- Waterproof grade : IP 64



KT NO.	L mm	g	
9TA51	88	300	32





3W COB LED Inductive Headlight

9TA52

- Brightness : 100 / 280 Lumen (lm), white light color, kelvin : 6500K
- 2 hours continuous for high worklight / 5.5 hours for low worklight
- Materials : High impact ABS + TPE housing + PC lens & non-skid grip belt
- Feature : 10cm Smart motion sensor
- Rechargeable battery : 3.7V - 1500mAh Li-po
- LED battery charging indicator
- Charge times : 2.5 hours
- Accessory : Charging cable + AC 100-240V charger



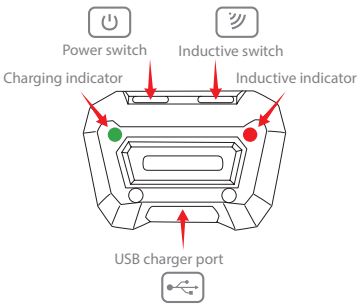
RoHS



• Two step adjustable light



• 60° Adjustable lighting







• Inductive indicator ON



• Inductive light switch

KT NO.		Applicable area	L mm	g	
9TA52A		Europe	65	110	1 / 40
9TA52B		America & Asia	65	110	1 / 40
9TA52D		Australia & New Zealand	65	110	1 / 40

Contents		
COB LED lamp		x 1 PC.
Headband		x 1 PC.
USB charger		x 1 PC.
USB cable		x 1 PC.

LED Pocket Torch

79814

- 1W High performance LED pocket torch
- Brightness : 30 Lumen(lm)
- Aluminum alloy body with keychain
- Operates using 1 x AA battery (not included)
- 6 hours (normal) lighting





KT NO.	L x Ø mm	g	
79814	98 x 21	31	10 / 120

79815

- 3W High performance LED adjustable focus pocket torch
- Brightness : 120 Lumen(lm)
- Strobe warning lights for maximize visibility
- Aluminum alloy body, safety lanyard included
- Operates using 3 x AAA batteries (not included)
- 6.5 hours (normal) lighting





KT NO.	L x Ø mm	g	
79815	128 x 28	95	1 / 100

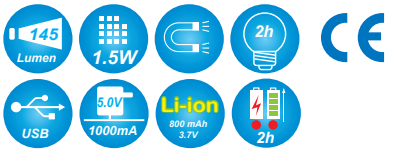
1.5W COB +1 LED Lamp

9TA28

- 1.5W COB + 1W LED
- 180° magnetic swivel base + 270° magnetic swivel clip
- Rechargeable battery : 3.7V - 800mAh Li-ion
- Accessory : USB charging cable
- Overcharge/Discharge protection
- Materials : ABS+PC
- 2 hours continuous light, charge time : 2 hours
- Brightness : 145 Lumen (lm), white light color, kelvin : 7200K



• 180° swivel clip



• Magnetic swivel clip







• magnetic base



• USB charger port



• Top light with 1 LED

KT NO.	L mm	g	
9TA28	180	160	12 / 48

Contents

1.5W COB + 1 LED rechargeable work lamp	x 1 PC.
USB cable	x 1 PC.

Rechargeable LED Pen Light

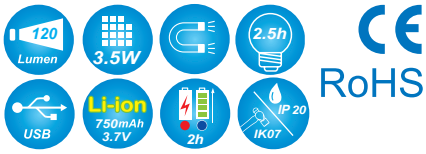
9TA281 new

- 3.5W -7 SMD + 1W SMD (Top)
- White light color, kelvin : 6500K
- Switch Model :
  Top light : 80 Lumen (lm) / 4 hours
  Main light : 120 Lumen (lm) / 2.5 hours
- Material : ABS housing + Rubberized painting + PC lens
- Strong magnet on the clip
- Rechargeable battery : 3.7V 750mAh Li-ion
- Led charging indicator : Red -Charging, Green –Fulled
- Charging time : 2 hours









RoHS



KT NO.	L mm	g	
9TA281	170	58	1 / 48

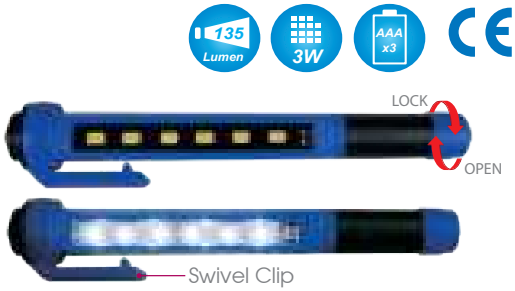
Contents

LED pen light	x 1 PC.
USB cable	x 1 PC.

LED Pen Light & Set

79831

- Pen light with 6 PC. SMD(surface-mount devices) LED
- Brightness : 135 Lumen(lm)
- ABS body 360 degree rotation
- PE lampshade : avoid nebulization
- Operates using 3 x AAA batteries (not included)



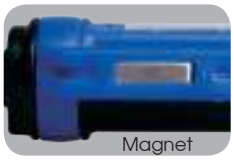
KT NO.	L x W x H mm	g	
79831	165 x 25 x 30	58	10 / 120

79832

- Pen light with 1 PC. 5W COB(chip on board)
- Brightness : 230 Lumen(lm)
- ABS body 360 degree rotation
- PE lampshade : avoid nebulization
- Operates using 3 x AAA batteries (not included)
- Waterproof grade : IP 54









KT NO.	L x W x H mm	g	
79832	165 x 25 x 30	58	10 / 120

7983

Paper display stand size(mm) :
115 x 175 x 175 (0.124CUFT)

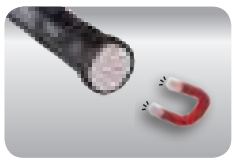
KT NO.	Contents			Kg	
79830DQ	6 PC.		79831	0.58	1 / 12
	6 PC.		79832		
79831-S	12 PC.		79831	0.58	1 / 12
79832-S	12 PC.		79832	0.58	1 / 12

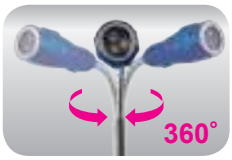


LED Telescopic Torch

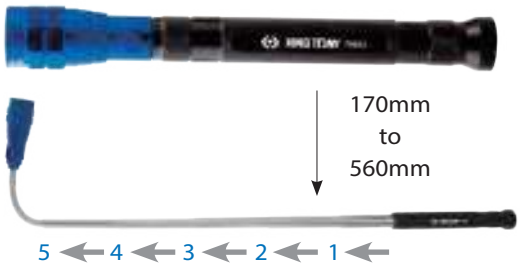
79833 new

- 3 LEDs, white light color
- Magnetic torch with 360° flexible head
- Extends up from 170mm to 560mm
- 4 x LR44 batteries included









KT NO.	L x Ø mm	g	
79833	170 x 22	95	1 / 50


KING TONY
Enjoy your work

AUTOMOTIVE TOOLS

- Engine Series
- Under Car Series
- Body Series
- Battery & Electrical
- General Tools




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Tool Trolley Contents

286 PC.



Contents No. 934-010MRVD — 28.8 CUFT 2.97

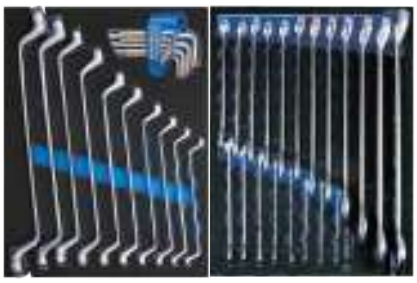
- Special tool set for Automobile, suitable for VOLKSWAGEN-GROUP, MERCEDES-BENZ, OPEL, BMW & Japanese passanger car



9-3544MRV #9 P.68 | 9-4537MRV #9 P.69



9-4147PRV #10 P.75 | 9-4401MPV #10 P.75 | 9-2565MRV #7 P.66 | 9-4129PRV #7 P.66



9-90119MRV #9 P.71 | 9-1220MRV #9 P.70



9-31124MRV #6 P.65



9-40104GPV #10 P.75 | 9-40113GPV #10 P.75 | 9-90135MRV #10 P.75 | 9-90118PRV #10 P.76

Tool Trolley Set

286 PC.

7 Kg 92.8 CUFT 15.21	934-010MRV (87434-7B P.33)	934-010MRV-G (87434-7B-G P.33)	934-010MRV-B (87434-7B-B P.33)
7 Kg 98.8 CUFT 15.21	9634-010MRV (87634-7B P.37)	9634-010MRV-G (87634-7B-G P.37)	9634-010MRV-B (87634-7B-B P.37)
7 Kg 103.8 CUFT 15.67	9934F-010MRV (87934-7BF P.39)	9934F-010MRV-G (87934-7BF-G P.39)	9934F-010MRV-B (87934-7BF-B P.39)

ALFA ROMEO

Diesel Engine Setting & Locking Set



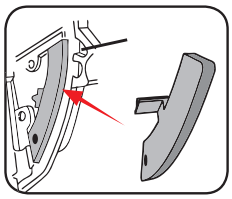
9AT2006E

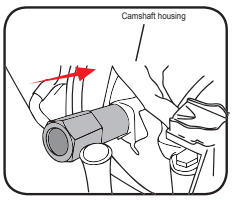
- The set includes flywheel holding tool, crankshaft locking tool and camshaft setting tools
- Suitable for Lancia, Alfa Romeo and Fiat engine
- Use to set and lock engine timing

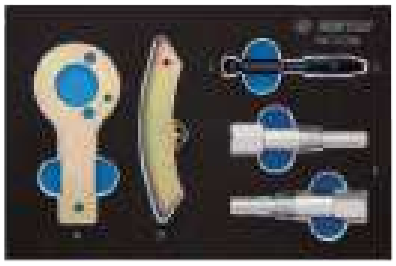
D | BELT | 6 PC.

1360 | 1 / 10

MODEL:	145 (98-01), 146 (98-01), 147 (01-09) 156 (97-08), 159 (05-09), 166 (98-08) GT (04-09), Brera (05-09), Spider (06-09) Crosswagon (04-08)
ENGINE CODE:	**1.9JTD 8v.** 323.02, 371.01, 182B9.000, 937A2.000 937A3.000, 939A1.000, 939A2.000, 939A7.000 **1.9JTD 16v.** 192A5.000, 192B1.000, 937A4.000 937A5.000, 939A2.000, 939A8.000 **2.4JTD 10v.** 325.01, 342.02, 362.02, 839A6.000 841C.000 **2.4JTD 20v.** 841G.000, 841H.000, 841M.000 939A3.000, 939A9.000







CONTENTS :

- A&C&D - crankshaft locking tool
- B - flywheel holding tool (crank pulley removal)
- E - camshaft setting tool (pair)

BMW

Petrol Engine Timing Set



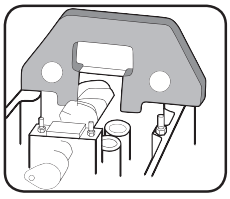
9AT1003E

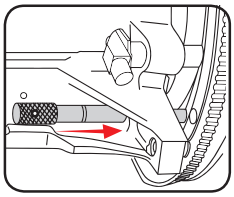
- The set includes camshaft setting plates and a flywheel locking pin
- Suitable for BMW V12 M70 & M73 petrol engine
- Use to lock the camshaft on the correct timing position

P | CHAIN | 3 PC.

2190 | 1 / 5

MODEL:	**750i** / E32 / E38 (87-02) **850i** / E31 (90-99)
ENGINE CODE:	**M70 / M73** 50 12 A, 54 12 1 54 12 2, 56 12 1







- A - camshaft setting plate
- B - flywheel locking pin

BMW

Petrol Engine Twin Camshaft Setting & Locking Set



9AT1008E

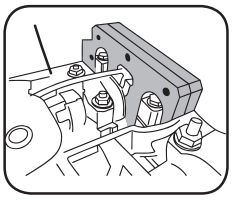
- The set includes timing and VANOS setting / locking tools
- Suitable for BMW petrol 1.8 and 2.0 N42 / N46 (chain) engine
- Use to check / adjust engine timing and remove, install or align VANOS unit

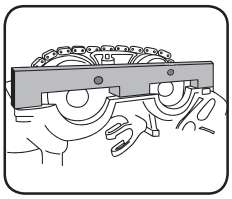
P | CHAIN | 8 PC.

3601 | 1 / 3

MODEL:
118i. E87 (04-08)
120i. E87 (04-08)
316i. E46 (01-05)
316ti. Compact E46 (01-05)
318i. E46 (01-07)
318ti. Compact E46 (01-05)
318i. E90 (05-08)
X3. 2.0i E83 (05-08)
Z4. 2.0i E85 (04-08)
520i. E60 (04-08)
320i. E90 (05-08)

ENGINE CODE: **N42 / N46**
B18, B18A, B20, B20A, B20B







CONTENTS :
- A - VANOS alignment plate
- B - camshaft setting plate (exhaust)
- C - timing chain tensioner pre-load tool
- D - crankshaft alignment pin
- E - camshaft setting plate (inlet)
- F - camshaft turning tool
- G - flywheel TDC locking pin
- H - camshaft setting plate securing screw

BMW

Petrol Engine Twin Camshaft Setting & Locking Set



9AT1018E

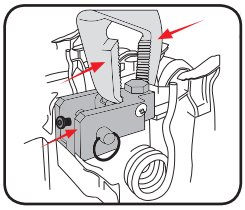
- The set includes camshaft / carrier bracket remover & installer tools
- Suitable for BMW petrol 1.8 and 2.0 N42 / N46 (chain) engine

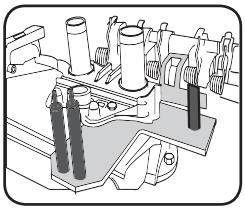
P | CHAIN | 18 PC.

4400 | 1 / 3

MODEL:
118i. E87 (04-08)
120i. E87 (04-08)
316i. E46 (01-05)
316ti. Compact E46 (01-05)
318i. E46 (01-07)
318ti. Compact E46 (01-05)
318i. E90 (05-08)
X3. 2.0i E83 (05-08)
Z4. 2.0i E85 (04-08)
520i. E60 (04-08)
320i. E90 (05-08)

ENGINE CODE: **N42 / N46**
B18, B18A, B20, B20A, B20B







CONTENTS :
- A&H&I - camshaft/carrier bracket
- Mounting fixture
- B - inlet camshaft securing tool (rear)
- C&F - torsion spring remover/installer
- D&E - inlet camshaft securing tool (front)
- G - intermediate lever clamp set (8 PC.)

BMW

Petrol Engine Twin VANOS Service Set



9AT1009E

- The set includes compressed air connector, twin VANOS setting tool and sprocket / chain assembly fixture, timing adjustment plate, pre-load tools
- Suitable for setting / locking popular BMW petrol engine
- Use to adjust engine timing and set / lock engine application

5966 1 / 3



CONTENTS :

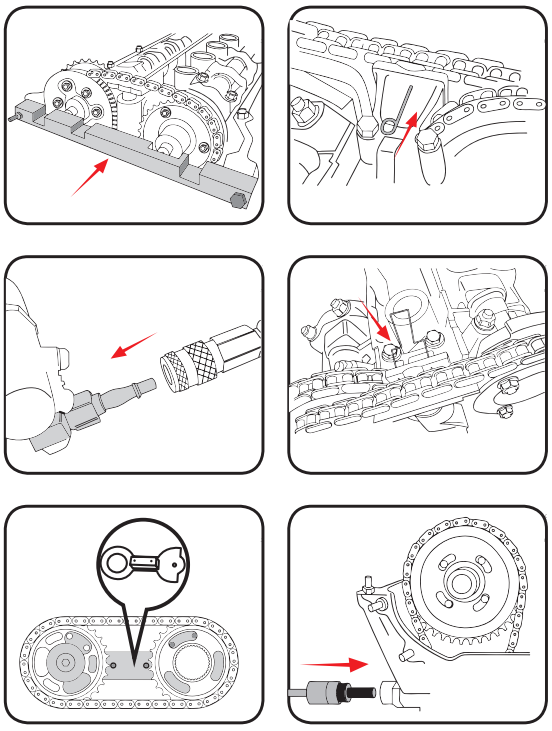
- A - camshaft setting plate
- B - timing adjustment plate
- C - compressed air connector
- D - sprocket / chain assembly fixture
- E - flywheel locking pin
- F - tensioner pin (M50)
- G - twin VANOS setting tool
- H - tensioner pin (M52)
- I - tensioner tool

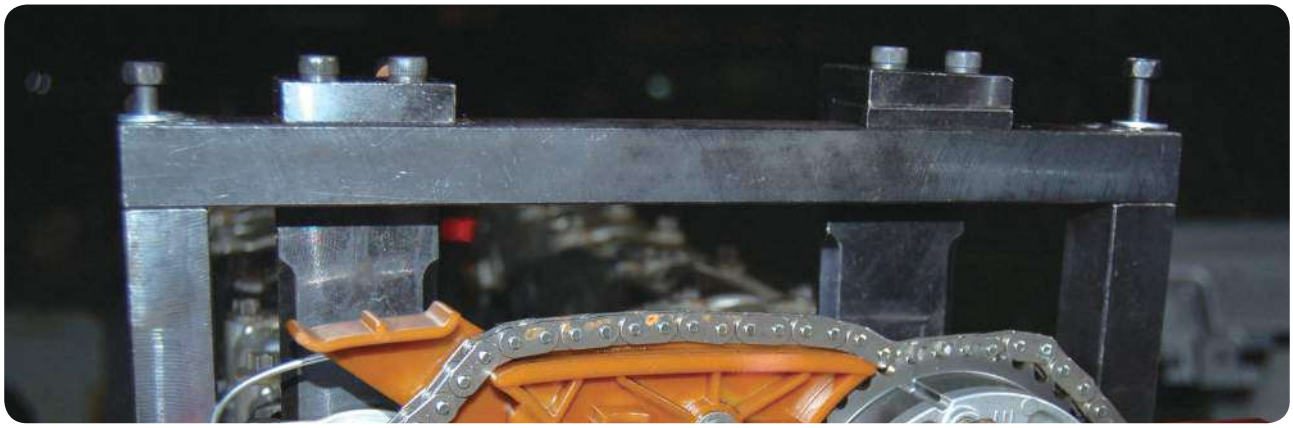
MODEL:

318is. E36 (92-99)
318ti Compact E36 (94-01)
320i. E36 / E46 (92-07)
323i. E36 / E46 (95-01)
325i. E36 / (92-07)
328i. E36 / E46 (95-01)
330i. E46 (00-07)
520i. E39 / E60 (96-05)
523i. E39 (96-00)
525i. E39 / E60 (00-05)
528i. E39 (96-00)
530i. E39 / E60 (00-05)
728i. E38 (94-02)
730i. E65 (02-05)
Z3. (E36) 1.9-3.0 (96-03)
Z4. (E85) 2.2-3.0 (03-06)
X3. (E83) 3.0 (03-06)
X5. (E53) 3.0 (99-07)

ENGINE CODE:

M42 / M44 / M50 / M52
no VANOS (VVT)
18 4S 1, 19 4S 1, 20 6S 2(Early),
25 6S 2(Early)
M50 / M52
Single VANOS (VVT) variants
20 6S 2(Later)
20 6S 3
25 6S 2(Later)
M52(TU) / M54 / M56
Twin VANOS (VVT) variants
20 6S 4
22 6S 1
25 6S 4





BMW

Petrol Engine Twin Camshaft Setting & Locking Set



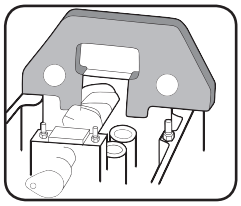
9AT1102E

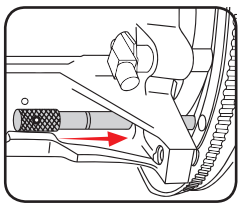
- The set includes camshaft locking plate and flywheel locking pin
- Suitable for M40 engines (also used on the M43 chain driven engine)
- Use to lock the camshaft and crankshaft TDC position to keep their timing relationship while replacing timing belt or carry out other timing belt service

P | CHAIN | 2 PC.

1901 g | 1 / 10

MODEL:	**316i** E36 / E46 (93-04) **316i Compact** E36 / E46 (98-01) **318i** E36 / E46 (93-01) **518i** E34 (94-96) **Z3** 1.8 / 1.9 E36 (96-03)
ENGINE CODE:	**M43** 16 4E 2, 16 4E 3 18 4E 2, 19 4E1







CONTENTS :
- A - camshaft locking plate
- B - flywheel locking pin

BMW

Petrol Engine 1.8 To 3.0 Twin Cams Setting & Locking Set



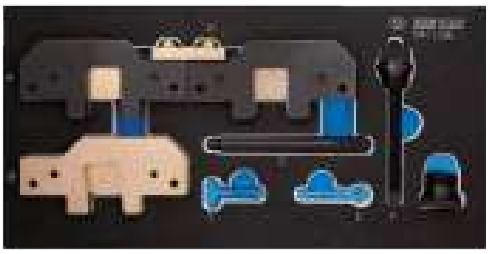
9AT1106E

- The set includes camshaft setting plate, timing adjustment plate, pre-load tool, flywheel locking pin and tensioner pin
- Suitable for setting / locking popular BMW petrol engine
- Suggestion:
  Use with 9AT1-A02 wrench while using this kit on SINGLE VANOS system (on inlet camshaft)
  Use with 9AT1303 while using this set on TWIN VANOS system

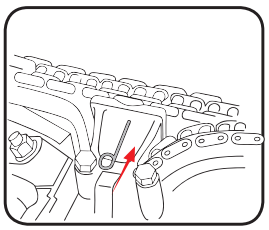
P | CHAIN | 6 PC.

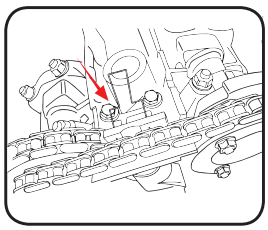
3781 g | 1 / 5

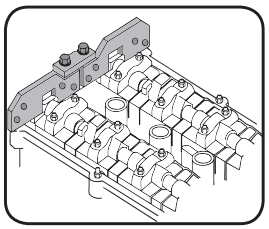
MODEL:	**318is.** E36 (92-99) **318ti Compact** E36 (94-01) **320i.** E36 / E46 (92-07) **323i.** E36 / E46 (95-01) **325i.** E36 / E46 (92-07) **328i.** E36 / E46 (95-01) **330i.** E46 (00-07) **520i.** E39 / E60 (96-05) **523i.** E39 (96-00)	**525i.** E39 / E60 (00-05) **528i.** E39 (96-00) **530i.** E39 / E60 (00-05) **728i.** E38 (94-02) **730i.** E65 (02-05) **Z3.** (E36) 1.9-3.0 (96-03) **Z4.** (E85) 2.2-3.0 (03-06) **X3.** (E83) 3.0 (03-06) **X5.** (E53) 3.0 (99-07)
ENGINE CODE:	**M42 / M44 / M50 / M52 no VANOS (VVT)** 18 4S 1, 19 4S 1, 20 6S 2(Early), 25 6S 2(Early). **M50 / M52 Single VANOS (VVT) variants** 20 6S 2(Later), 20 6S 3, 25 6S 2(Later), 25 6S 3, 28 6S 1 **M52(TU) / M54 / M56 Twin VANOS (VVT) variants** 20 6S 4, 22 6S 1, 25 6S 4, 25 6S 5, 28 6S 2, 30 6S 3	

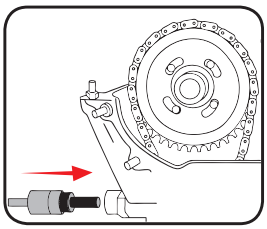


CONTENTS :
- A - camshaft setting plate
- B - timing adjustment plate
- C - flywheel locking pin
- D - tensioner pin (M50)
- E - tensioner pin (M52)
- F - tensioner tool









BMW

Petrol Engine Twin VANOS Service Set



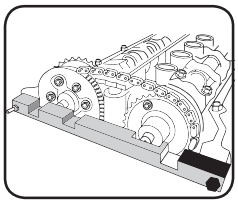
9AT1303E

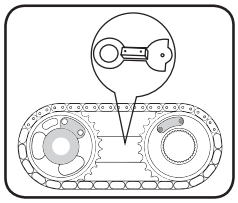
- The set includes compressed air connector, twin VANOS setting tool and sprocket / chain assembly fixture
- Suitable for BMW M52TU, M54 & M56 engines
- Use to adjust engine timing on twin VANOS system (Variable Valve Control) of BMW six cylinder twin camshaft petrol engine
- Suggestion:
  Use with 9AT1106 while using this kit to set / lock application

CHAIN | P | 3 PC.

2740 | 1 / 5

MODEL:	**3 Series:** E46 / Z3 **5 Series:** E39 / E60 / E61 **7 Series:** E38 / E65 / E66 **X3:** E83 **X5:** E53 **Z4:** E85
ENGINE CODE:	20 6S 4, 22 6S 1, 25 6S 4, 25 6S 5 28 6S 2, 30 6S 3







CONTENTS :
- A - compressed air connector
- B - sprocket / chain assembly fixture
- C - twin VANOS setting tool

BMW

Petrol Engine Timing Alignment Set



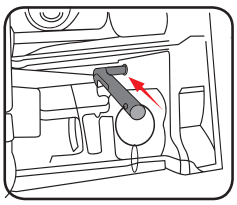
9AT1112E

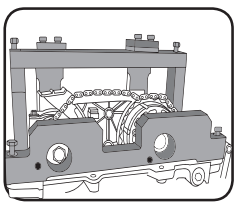
- The set includes camshaft locking tool, VANOS alignment plate, flywheel locking pin
- Suitable for BMW 2.5/3.0 liters chain drive six cylinder, twin cams 16v petrol engines
- Use to lock camshaft in TDC position when setting or adjusting engines timing

P | CHAIN | 12 PC.

5900 | 1 / 3

MODEL:	**128i.** E82 (07-08) **130i.** E81/87 (05-08) **135iS.** E82 (07-08) **323i.** E90/91/92/93 (04-08) **325i/xi.** E90/91/92/93 (04-08) **328i/xi.** E90/91/92/93 (04-08) **330i/xi.** E90/91/92/93 (04-08) **335i/xi.** E90/91/92/93 (05-08) **523i/Li.** E60/61 (04-08) **525i/Li/xi.** E60/61 (04-08) **528i/xi.** E60/61 (06-08) **530i/Li/xi.** E60/61 (05-08) **535i/xi.** E60/61 (06-08) **630i.** E63/64 (04-08) **730i/Li.** E65/66 (04-08) **X3** 2.5/3.0 E83 (06-08) **X5** 3.0 E70 (06-08) **Z4** 2.5/3.0 E85/86 (05-08)
ENGINE CODE:	**N51 / N52 /N52K** (Valvetronic) **N53 / N54** (Direct Injection)







CONTENTS :
- A - VANOS alignment plate
  (Red for N53/N54, Silver for N51/N52/N52K)
- B - camshaft locking tool
- C - flywheel locking pin

BMW

Diesel Engine 2.0 / 3.0 Timing Set



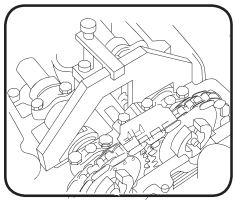
9AT2007E

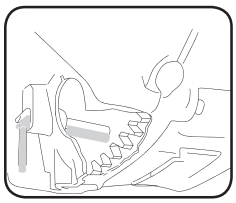
- The set includes camshaft setting plate, tensioner retaining pin set and flywheel locking pin
- Suitable for BMW 2.0 and 3.0 liters common rail diesel engines in BMW 3, 5 & 7 Series, X5, Land Rover Freelander, Range Rover, Rover 75, Vauxhall / Opel
- Use to check and adjust the timing position of camshaft and TDC position of crankshaft

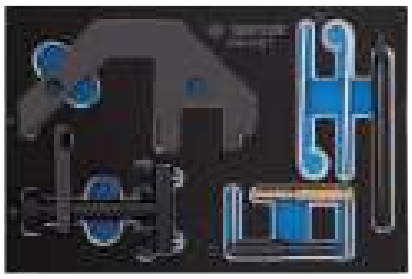
D | CHAIN | 7 PC.

1753 g | 1 / 10

MODEL:	**118d** E87 (03-07), 120d E87 (03-07) **318d** / td E46 / E90 / 91(00-08) **320d** / td E46 / E90 / 91(97-08) **325d** E90 / 91 / 92 / 93 (06-09) **330d / xd / cd** E46 / E90 / 91 / 92 / 93 (98-08) **335d** E90 / 91 / 92 (06-09) **520d** E39 / E60 / 61 (99-09) **525d / xd** E39 / E60 / 61 (99-09) **530d / xd** E39 / E60 / 61 (98-09) **535d** E60 / 61 (04-09), 635d E63 / 64 (04-09) **730d / Ld** E38 / E65 / 66 (98-08) **X3 2.0d** E83 (03-07), X3 3.0d / sd E83 (03-09) **X5 3.0d** E53 / E70 (00-09)
ENGINE CODE:	**M47 / M57/ M47TU / M57TU / M47T2 / M57T2** 20 4D 1, 20 4D 4, 25 6D 1, 25 6D 2 30 6D 1, 30 6D 2, 30 6D 3, 30 6D 4 30 6D 5







CONTENTS :
- A – camshaft setting plate
- B – camshaft plate locking tool
- C – TDC timing pin
- D – tensioner retaining pin set (pair)
- E – flywheel locking pin

BMW

Petrol Engine Timing Setting & Locking Set



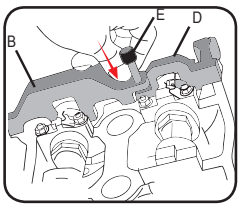
9AT1206E

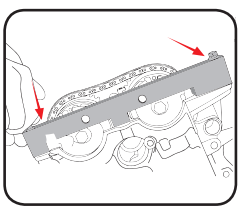
- The set includes VANOS alignment plate, camshaft setting tools, flywheel locking pin and timing chain tensioner pre-load tool
- Suitable for 1.6 BMW, 4 cylinder twin camshaft 16v and chain driven petrol engines with VANOS
- Use to check and adjust engine timing

P | CHAIN | 6 PC.

2657 g | 1 / 5

MODEL:	**116i.** E81 E87 (03-09) **316i.** E46 / E90 (01-08) **316Ci.** E46 (01-06) **316ti.** E46 (01-05)
ENGINE CODE:	**N40 / N45 / N45T** B16, B16A, B16AC







CONTENTS :
- A - VANOS alignment plate
- B - camshaft setting plate (inlet)
- C - timing chain tensioner pre-load tool
- D - camshaft setting plate (exhaust)
- E - camshaft setting plate securing screw
- F - flywheel locking pin

BMW

Diesel Engine 2.5TDS Timing Set



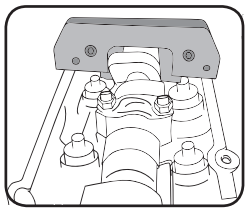
9AT2106E

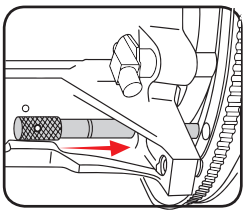
- The set includes camshaft setting plate, tensioner lever, tensioner retaining pin, flywheel locking pin and pump remove & sprocket retainer
- Suitable for BMW, Land Rover and Opel engine
- Use to retain and support the sprocket and timing chains in correct position when the pump is removed

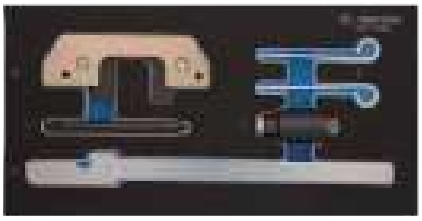
D | CHAIN | 6 PC.

2480 | 1 / 5

MODEL:	**1.7 2.5td / tds (Chain)** **318tds.** E36(94-00) **325td / tds.** E36(91-99) **525td / tds.** E34(90-00) **725tds.** E38(95-02)
ENGINE CODE:	**1.7 2.5td / tds (Chain)** M41 / M51







CONTENTS :
- A - camshaft setting plate
- B - tensioner lever
- C - flywheel locking pin
- D - tensioner retaining pin
- E - pump remove & sprocket retainer (2 part)

BMW/ MINI

Petrol Engine Setting & Locking Set – BMW/PSA



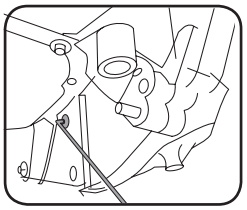
9AT1010E

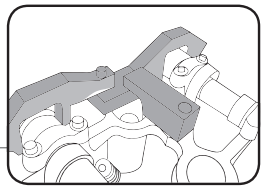
- The set includes camshaft setting tool, crankshaft locking pin & chain tensioner tool
- Suitable for BMW Mini and PSA Peugeot Citroën 1.4/1.6 16v valvetronic direct injection engines
- Use to lock and adjust engine timing

P | CHAIN | 10 PC.

BMW Mini Cooper N12/N14 | 2384 | 1 / 5

MODEL:	**Clubman**(07-14) **Countryman**(14-16) **Paceman**(14-16) **Roadster**(12-12)
ENGINE CODE:	**N12 1.4/1.6(Valvetronic)** B14, B14AB, B16A **N14 1.6(Direct Injection)** B16A, B16CD/TD, B16TD, B16CD







CONTENTS :
- A – camshaft setting tool (inlet)
- B – camshaft setting tool (exhaust)
- C – camshaft setting tool
- D – camshaft setting clamp
- E – crankshaft locking pin
- F – chain tensioner tool
- G – M10 screw*4

BMW/ MINI

Petrol Engine Timing Set



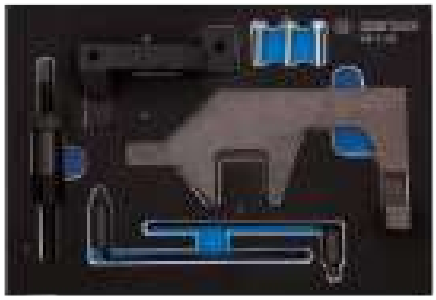
9AT1108E

- Use for BMW & Mini 1.6 litre chain drive petrol engine
- Includes the cam & crankshaft locking tools and chain pre-tension setting tools for TDC position
- Suitable for BMW (N13) & Mini (N18) engines

P | CHAIN | 8 PC.

2527 | 1 / 10

MODEL:	**BMW 1 Series** 114i F20(2012-15), 116i F20 (2012-15), 118i F20 (2011-15) **BMW 3 Series** 316i F30 (2012-15) **MINI** Cooper S (R56/57) (2010-15) Coupe Cooper S (R58) (2012-15) Roadster (R59) (2012-15) Countryman (R60) (2012-16) Paceman (R61) (2013-16) Clubman (R55) (2011-14)
ENGINE CODE:	**N13** B16A **N18** B16/M0, B16A, B16A/M0, B16A/MO, B16C, B16C/TO, B16M0



CONTENTS :
- A – camshaft locking tool
- B – camshaft locking tool
- C – chain tensioner tool
- D – crankshaft locking pin

BMW

Petrol Engine Timing Set



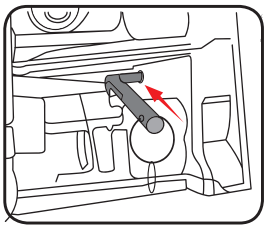
9AT1706E

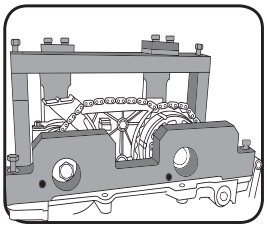
- Use for BMW 2.0 litre chain drive petrol engine
- Includes the VANOS setting tools, camshaft locking tools and chain pre-tension setting tools for TDC position
- Suitable for BMW N20 & N26 engines

P | CHAIN | 8 PC.

4287 | 1 / 3

MODEL:	**BMW 1 Series** 125i F20/21(2012-14) **BMW 3 Series** 320i/xDrive F30/31 (2012-14), 328i F30/31 (2012-14), 328i/xDrive F30/31 (2012-14) **BMW 5 Series** 520i F10/11 (2010-14), 528i F10/11 (2013-14), 528i/xDrive F10/11 (2011-14) **X1** sDrive18i/20i E84 (2011-14), xDrive20i/28i E84 (2011-14) **X3** xDrive20i/28i F25 (2011-14) **Z4** sDrive18i E89 (2013-14), sDrive20i/28i E89 (2011-14)
ENGINE CODE:	N20 B20A, N20 B20B/U0, N20 B20O0, N26 B20







CONTENTS :
- A - VANOS alignments plate
- B - camshaft locking tool
- C - chain tensioner tool
- D - flywheel locking pin

BMW

Diesel Engine Timing Locking Set



9AT2107E

- The set includes camshaft alignment tool, flywheel locking tool, crankshaft pulley turning tool, and also high pressure pump sprocket removal tool
- Suitable for BMW N47 / N47S / N57 2.0 and 3.0 twin camshaft diesel chain drive engine
- Use to set & lock the camshaft and crankshaft when adjusting valve timing on engine correctly

D | CHAIN | 8 PC.

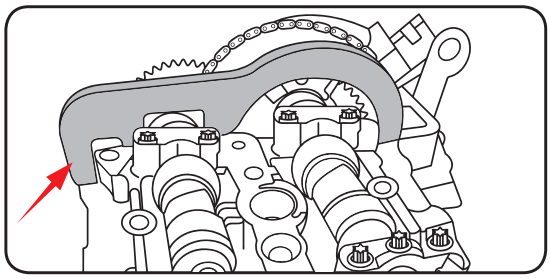
1730 g | 1 / 10

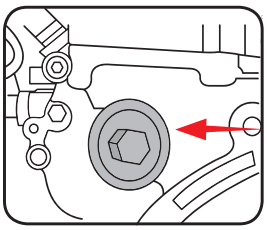
MODEL:	**1 Series** 116d/118d/120d/123d E81/82/87/88 (07-12) **3 Series** 316d/318d/320d/325d/330d/330xd E90/91/92/93 (07-12) **5 Series** 520d E60/61 (07-10) 525d/530d/535d F10/11 (10-12) 530d GT/535d GT F07 (09-12) **7 Series** 730d/730Ld/740d/740d xDrive F01/02/04 (08-12) **X Series** X1 sDrive 18d/20d E84 (09-12) X1 xDrive 18d/20d/23d E84 (09-12) X3 20d E83 (07-10) X3 xDrive 1.8d/30d E83 (08-12) X5 30d/xDrive 40d E70 (10-12) X6 xDrive 30d/40d E71/72 (10-12)
ENGINE CODE:	**N47 / N47S** D20A D20B D20T0 D20O0 D20UO **N57** D30U0 D30O0 D30O1 D30T0

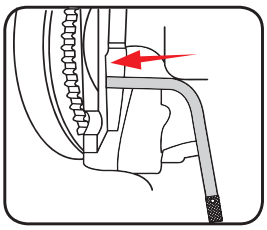


CONTENTS :

- A – camshaft Alignment Tool
- B – flywheel Locking Tool
- C – crankshaft Turning Tool
- D/F – high pressure pump sprocket removal tool
- E – tensioner Locking Pin









BMW

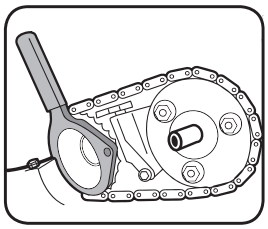
Petrol Engine VANOS Engagement Wrench

9AT1-A02

- For BMW twin camshaft engines with single VANOS unit mounted on inlet camshaft

298 g | 12 / 48

MODEL:	**318is.** E36 (92-99), **318ti Compact** E36 (94-01) **320i.** E36 / E46 (92-07), **323i.** E36 / E46 (95-01) **325i.** E36 / E46 (92-07), **328i.** E36 / E46 (95-01) **330i.** E46 (00-07), **520i.** E39 / E60 (96-05) **523i.** E39 (96-00), **525i.** E39 / E60 (00-05) **528i.** E39 (96-00), **530i.** E39 / E60 (00-05) **728i.** E38 (94-02), **730i.** E65 (02-05) **Z3.** (E36) 1.9-3.0 (96-03) **Z4.** (E85) 2.2-3.0 (03-06) **X3.** (E83) 3.0 (03-06), **X5.** (E53) 3.0 (99-07)
ENGINE CODE:	**M50 / M52 Single VANOS (VVT) variants** 20 6S 2(Later), 20 6S 3 , 25 6S 2(Later) 25 6S 3, 28 6S 1





BMW

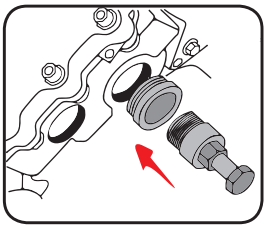
Diesel Engine Injection Pump Puller

9AT2-D01

- Specifically designed for holding the sprocket / chain in place when disassembling the VP44 injection pump and high pressure pump
- Common rail fits BMW engines

528 g | 6 / 36

MODEL:	**318d / Compact**(E46) **320d / td Compact**(E46) **330d**(E46), **535d**(E60 / E61), **730d**(E38) **X5 3.0d**(E53), **530d**(E39 / E60 / E61) **525d**(E39 / E60 / E61)
ENGINE CODE:	**M47 / M57** **1 Series** E87, 3 Series E46 / E90 **5 Series** E39 / E60, 6 Series E63 **7 Series** E38 / E65, X3 E83 and E53 / E70





CHEVROLET

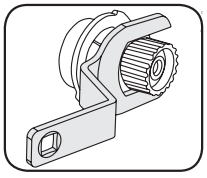
Petrol Engine Tension Adjustment Wrench Set (Via Water Pump)

9AT1202

- The set includes 41mm and 46mm tension adjust wrench
- Suitable for Vauxhall / Opel and Chevrolet engines

695 g | 6 / 24

MODEL:	9AT1202-B(41mm) **Kalos** (04-08), **Aveo** (06-08), **Espero / Aranos** (95-97), **Nexia** (95-97) **Lanos** (97-03), **Nubira / Lacetti** (97-09) **Cruze** (2009)
ENGINE CODE:	1.4 A13DM A14MS F14S3 1.4 16v. F14D3, 1.5 G15MF 1.5 16v. A15DM A15SMS A15MF 1.6 16v. A16DM A16DMS F16D3 LXT







CONTENTS :

- A - tension adjustment wrench (46mm)
- B - tension adjustment wrench (41mm)

MERCEDES-BENZ

Petrol Engine Timing Set



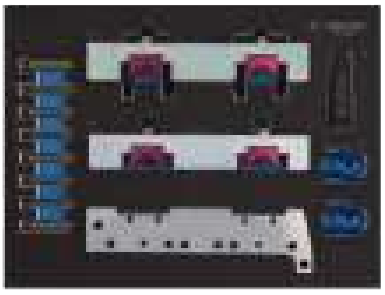
9AT1016E

- Use for chain drive 1.6 / 2.0 direct injection petrol engine
- Includes different diameter alignment blocks and pulley bit socket to ensure the camshaft in the correct position
- Suitable for Mercedes- Benz M133 / M270 / M274



5696 1 / 5

MODEL:	**A-class** 176 (since 2012) **B-class** 242 / 246 (since 2012) **CLA** 117 (since 2012) **C-class** 204 (since 2011) **C-class COUPE** (since 2011) **E-class** 212 (since 2011) **GLA** (2014-15)
ENGINE CODE:	133.980 270.910, 270.920 274.910, 274.920



CONTENTS :
- A – camshaft alignment tool (chain end)
- B – camshaft alignment tool (gearbox end)
- C – camshaft pulley bit socket (T100)
- D – camshaft alignment blocks (small)

MERCEDES-BENZ

Petrol Engine Timing Set



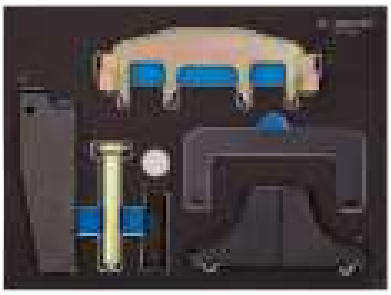
9AT1606E

- Use for 1.8 litre M271 chain drive petrol engine
- Includes chain tensioner adjust tools and cam pulley bit socket to hold the chain in place
- Suitable for Mercedes- Benz M271



3452 1 / 3

MODEL	ENGINE CODE
C-class 176 (2002-15) **C-class Coupe** (2011-15) **CLC** (2008-12) **CLK** (2002-09) **E-class** (2002-13) **E-class** Coupe / Cabriolet (2004-13) **SLK** (2004-15)	271.820, 271.860, 271.861 271.921, 271.940, 271.941 271.942, 271.943, 271.944 271.946, 271.948, 271.950 271.952, 271.954, 271.955 271.956, 271.957, 271.958
Sprinter (2007-15)	271.951



CONTENTS :
- A – camshaft locking tool
- B – cam chain tensioner rail wedge tool
- C – cam chain tensioner drift
- D – cam chain retaining bridge
- E – camshaft pulley bit socket (T100)

PSA PEUGEOT CITROËN

Petrol Engine Setting & Locking Set – BMW/PSA



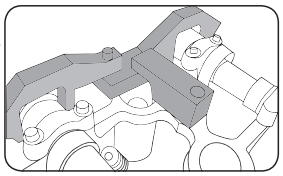
9AT1010E

- The set includes camshaft setting tool, crankshaft locking pin & chain tensioner tool
- Suitable for BMW Mini and PSA Peugeot Citroën 1.4/1.6 16v valvetronic direct injection engines
- Use to lock and adjust engine timing



2384 1 / 5

MODEL:	**Citroen** C4(08-11) C4 Picasso(08-13) **Peugeot** 207(06-11) 207CC(07-14) 308(07-14) 3008(09-12) 5008(09-11)
ENGINE CODE:	**Citroen** 8FR(EP3) 5FS(EP6) **Peugeot** EP3(8FS) EP6(5FW) EP6DT(5FX) 8FS(EP3) EP6DTS(5FY)





CONTENTS :

- A – camshaft setting tool (inlet)
- B – camshaft setting tool (exhaust)
- C – camshaft setting tool
- D – camshaft setting clamp
- E – crankshaft locking pin
- F – chain tensioner tool
- G – M10 screw*4

PSA PEUGEOT CITROËN

Petrol Engine Timing Set

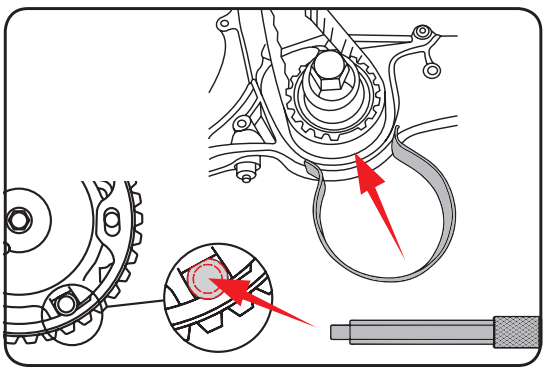


9AT1021E

- The set includes special flywheel tools and cam/crankshaft timing pin
- Use to replace timing belt engines of: 1.0 / 1.1 / 1.4 / 1.6 / 1.6VTS / 1.8 16v / 2.0 / 2.0 16V / 2.2
- Include PSA "EW coded" twin-cam 16v engine and HPi versions
- Suitable for PSA Peugeot / Citroen engines



2164 1 / 10





CONTENTS :

- A – timing belt retaining tool
- B – tensioner adjusting tool
- C – flywheel locking tool
- D – flywheel holding tool
- E – flywheel plate locking tool
- F – flywheel locking tool
- G – flywheel locking tool
- H – tensioner locking tool
- I – tensioner locking tool
- J – timing pin

PSA PEUGEOT CITROËN

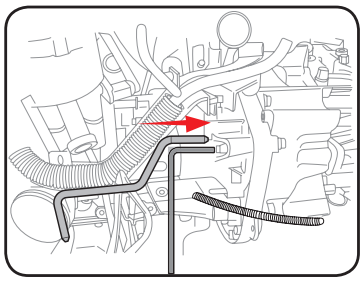
Diesel Engine Timing Set

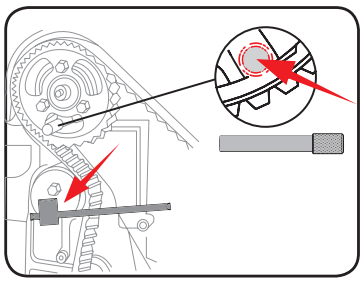


9AT2026E

- The set includes special flywheel tools and cam/ crankshaft timing pin
- Use to replace timing belt engines of: 1.4HDi / 1.5D / 1.6HDi / 1.9D / 2.0HDi / 2.0DHDi 16V / 2.2HDi / 2.5D Turbo
- Suitable for PSA Peugeot / Citroen engines

3180 1 / 3







CONTENTS :

- A – flywheel pulley puller
- B – flywheel locking tool
- C – tensioner tool
- D – M8 x 80mm screw
- E – flywheel locking pin
- F – flywheel locking tool
- G – flywheel locking tool
- H – flywheel timing tool
- I – tensioner tool
- J – timing pin
- K – timing belt retaining tool
- L – tensioner locking pin
- M – special locking tool

PSA PEUGEOT CITROËN

Diesel Engine Setting Tool (Belt Drive)

9AT2-A01

- The set includes flywheel locking pin, TDC timing pin and tensioner retaining tool
- Use for holding engine timing position when replacing timing belt
- Suitable for Fiat, Iveco, Renault, Citroen / Peugeot, Vauxhall / Opel

CONTENTS :

- A – TDC timing pin
- B – flywheel locking pin (2pc)
- C – tensioner retaining tool



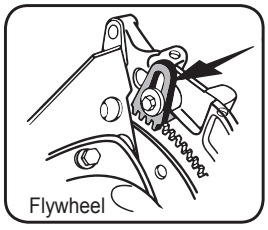
112 12 / 120

MODEL:	**2.8D/Tdi/Hdi** Relay / Jumper (01-06) Boxer (00-06)
ENGINE	8140.43 8140.43S 8140.63

Petrol & Diesel Engine Flywheel Holding & Locking Tool

9AT3-E02

- Used to remove the crankshaft pulley when replacing the timing belt
- The pulley retaining bolt is fitted with high torque and the flywheel must be securely locked during installation / removal
- Jamming tools into the teeth of the flywheel will cause serious damage to both teeth and housing





64 25 / 100

MODEL:	**Petrol 1.0 to 2.0 TU / XU (Belt)** XU 1.6 to 2.0 **Diesel 1.50 to 2 .50 TUD / XUD (Belt)** XU1.6 to 2.0 XD1.8D to 1.9D

FIAT

Petrol Engine Setting & Locking Set



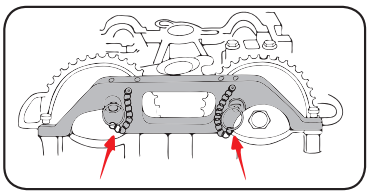
9AT1002E

- The set includes camshaft setting tool and tensioner retaining pin
- Suitable for Vauxhall / Opel & Fiat engines
- Use to lock the camshafts on the correct timing position

P | CHAIN | 2 PC.

1510 | 1 / 10

MODEL:	**Petrol 2.2 16v. Twin Cams(Chain)** Croma (05-09)
ENGINE CODE:	**Petrol 2.2 16v. Twin Cams(Chain)** 194A1.000





CONTENTS :
- A - camshaft setting tool
- B - tensioner retaining pin

FIAT

Diesel Engine Setting & Locking Tool Set



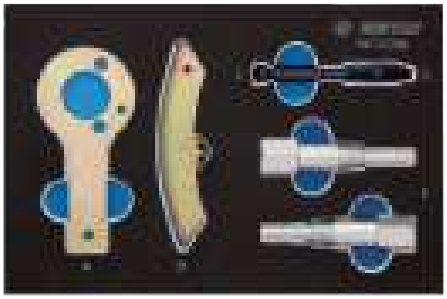
9AT2006E

- The set includes flywheel holding tool, crankshaft locking tool and camshaft setting tools
- Suitable for Lancia, Alfa Romeo and Fiat engines
- Use to set and lock engines timing

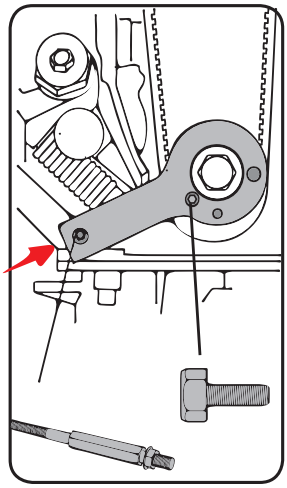
D | BELT | 6 PC.

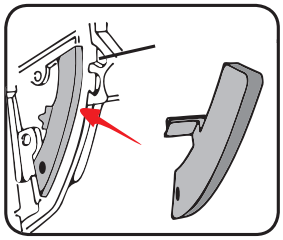
1360 | 1 / 10

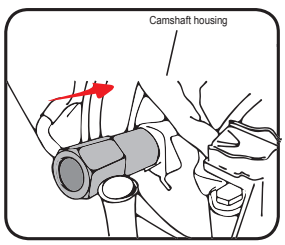
MODEL:	**Diesel** **1.6JTD / 1.9JTD / 2.0JTD / 2.4JTD Multijet(Belt)** Punto (99-06), Grande Punto (05-09) Idea (04-08), Brava/Bravo (98-02) Linea (07-09), New Bravo (07-09) Marea/Weekend (99-03), Stilo (01-06) Croma (05-09), Multipla (99-07) Doblo/Cargo (02-09), Palio Weekend (02-06) Sedici (06-09), Strada Pick-Up (03-06)
ENGINE CODE:	**1.6JTD 16v.** 198A2.000, 198A3.000, 198A6.000 350A2.000 **1.9JTD 8v.** 182B4.000, 182B9.000, 186A6.000 186A8.000, 186A9.000, 188A2.000 188A7.000, 188B2.000, 192A1.000 192A3.000, 192A8.000 **1.9JTD 8v.** 192A9.000, 192B4.000, 192B5.000 199A5.000, 939A1.000, 939A5.000 939A7.000, 223A7.000 **1.9JTD 16v.** 192A5.000, 937A5.000, 939A2.000 939A8.000 **2.0JTD 16v.** 198A5.000 **2.4JTD 10v.** 185A6.000 **2.4JTD 20v.** 939A3.000



CONTENTS :
- A&C&D - crankshaft locking tool
- B - flywheel holding tool (crank pulley removal)
- E - camshaft setting tool (pair)





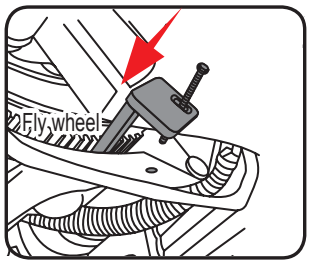


FIAT

Petrol Engine Flywheel Holding Tool

9AT1-E01

- Use to lock the flywheel while removing and replacing the timing belt
- Put it into the teeth of the flywheel to hold the crankshaft up, while releasing or tightening the bolt





51 | 20 / 100

MODEL:	**Stilo** (01-08), **Brava** / Bravo (95-02) **Marea / Weekend** (96-03), **Multipla** (99-09) **Doblo / Cargo** (02-06)
ENGINE CODE:	178B3.000, 182A4.000 182A6.000, 182B6.000

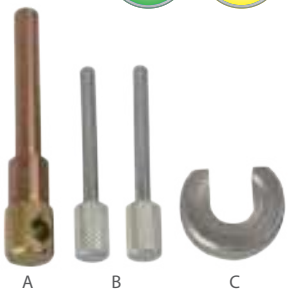
Diesel Engine Setting Tool (Belt Drive)

9AT2-A01

- The set includes flywheel locking pin, TDC timing pin and tensioner retaining tool
- Use for holding engine timing position when replacing timing belt
- Suitable for Fiat, Iveco, Renault, Citroen / Peugeot, Vauxhall / Opel

CONTENTS :

- A – TDC timing pin
- B – flywheel locking pin (2pc)
- C – tensioner retaining tool



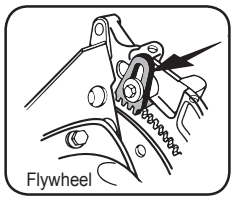
112 | 12 / 120

MODEL:	**2.5D / 2.5DT / 2.8D / 2.8JTD** Croma (93-97) Ducato (87-06) Talento (87-02)
ENGINE	8140.21, 8140.27, 8140.47R 8140.43, 8140.43S, 8140.63 8144.67

Petrol Engine Flywheel Holding & Locking Tool

9AT3-E02

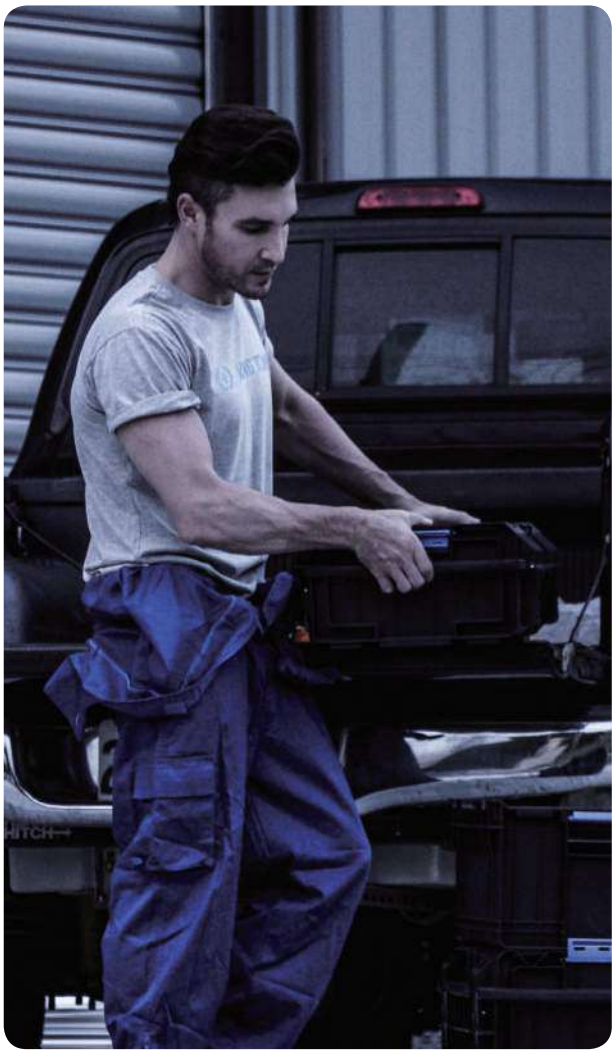
- Used to remove the crankshaft pulley when replacing the timing belt
- The pulley retaining bolt is fitted with high torque and the flywheel must be securely locked during installation / removal
- Jamming tools into the teeth of the flywheel will cause serious damage to both teeth and housing





64 | 25 / 100

MODEL:	**Petrol 1.6 16v. Twin Cams (Belt)** Stilo



FORD

EcoBoost 1.0 Timing Set



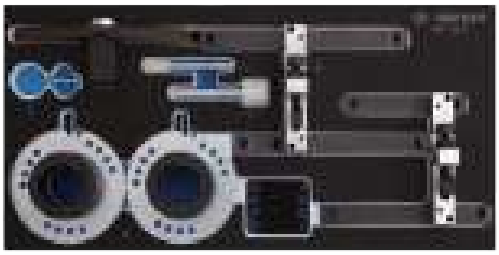
9AT1026E new

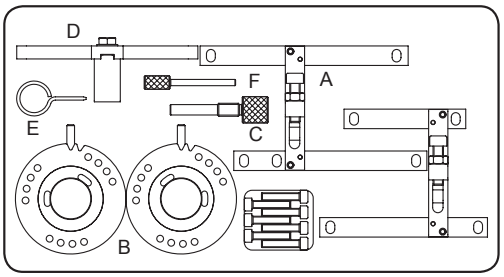
- Engine Timing Tool Kit suitable for 1.0 petrol EcoBoost and 1.0 SCTi EcoBoost FORD engines.
- Contains tools vital for setting and locking the engine and for setting the position of the variable cam timing units.

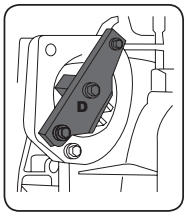
16 PC. | P | CHAIN

4.4 kg | 1 / 4

MODEL:	**Fiesta** (2013-2016), **EcoSport** (2013-2015), **B-Max** (2013-2016), **C-Max** (2012-2016), **Transit Courier** (2012-2016), **Transit Connect** (2013-2016), **Focus** (2012-2016), **Grand Tourneo Connect** (2013-2015), **Grand C-Max** (2012-2016), **Mondeo** (2015-2016), **Tourneo Connect** (2013-2015)
ENGINE :	MICA, M1CB, M1DA, MIDD, M1JA, M1JC, M1JE, M1JH, M2DA, M2DB, M2DC, M2GA, P4JC, P4JD, SFCA, SFCB, SFDB, SFJA, SFJB, SFJC, SFJD, P4JA, P4JB, XMJA, XMJB, M1JA

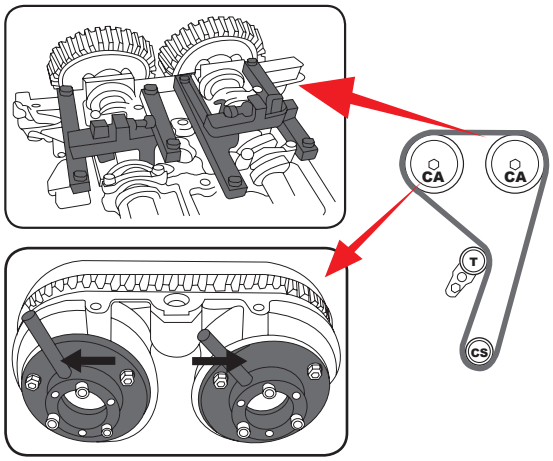






CONTENTS:
- A - Camshaft Locking Tool Set
- B - Camshaft VVT Adjustment Tool Set
- C - Crankshaft Setting Pin
- D - Flywheel Locking Tool
- E - Tensioner Locking Pin
- F - Crankshaft Pulley Positioning Pin

- Remove the starter motor and fit component D in the starter aperture so that its tooth locks the flywheel



FORD

Petrol Engine Twin Camshaft & Diesel Engine Timing Tool Set



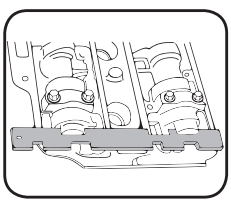
9AT1406E

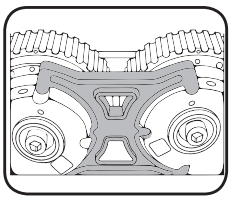
- The set includes VCT setting plate, camshaft setting plate, crankshaft TDC location pin, tensioner locking pin and flywheel locking tools
- Suitable for 16v. Duratec petrol engine of FORD 1.6 Ti-VCT twin camshaft
- Use to adjust VCT timing on inlet and exhaust camshaft during timing belt replacement

D | P | BELT | 7 PC.

1640 g | 1 / 10

MODEL:	**Focus C-Max** (03-08) **Focus** (04-08) **Mondeo** (07-08)
ENGINE CODE:	HXDA







CONTENTS :
- A&E - flywheel locking tool
- B - camshaft setting plate
- C - crankshaft TDC location pin
- D - tensioner locking pin
- F - VCT setting plate
- G-crankshaft pulley alignment tool

Diesel Engine Timing and Injection Pump Setting & Locking Set



9AT2011E

- The set includes sprocket retaining plate, flywheel & tensioner locking pins
- Suitable for chain drive diesel engine of Ford
- Use to install/remove injection pump & set/lock engine timing

1473 1 / 10

MODEL:	Diesel 2.0 / 2.2 / 2.4 TDdi / TDci DURATORQ(CHAIN)
ENGINE CODE:	**2.0Ddi** ABFA, D3FA, F3FA **2.0 TDdi** D5BA, D6BA **2.0 TDci** FMBA, FMBB **2.2 TDci** QJBA~D **2.4 Ddi** D2FA, F4FA **2.4 TDci** FXFA, H9FA, JXFA, PHFA



CONTENTS :

- A – access Cover Removal Plate
- B – sprocket Retaining Plate
- C – location Pins (3 PC.)
- D – locking Pins (3 PC.)
- E – flywheel Locking Pins (2 PC.)
- F – tensioner Locking Pin

FORD

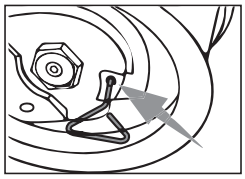
Diesel Engine Setting/Locking Tool (Belt Drive)

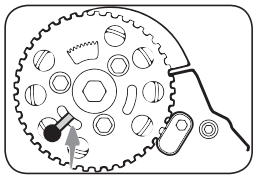
9AT2-C01

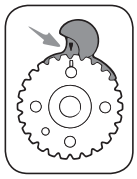
- The set includes crankshaft (oval / round), camshaft and tensioner locking pins
- Suitable for most of general VAG 1.4 / 1.9 / 2.0 TDi PD DOHC engines
- Also for Ford Galaxy models engine

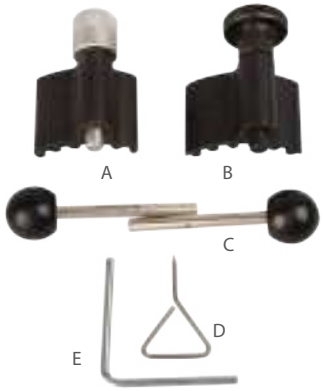
408 10 / 40

MODEL:	**Galaxy** 1.9
ENGINE CODE:	ASZ / ANU









CONTENTS :

- A - Crankshaft Locking Tool (Silver / Oval)
- B - Crankshaft Locking Tool (Black / Round)
- C - Camshaft Locking Pins (2 pcs)
- D - Tensioner Pulley Locking Pin
- E - Auxiliary Belt Tensioner Locking Pin

Petrol Engine Timing Set – Ford 2.0 Ecoboost

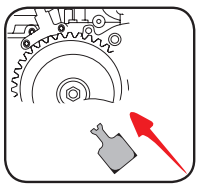


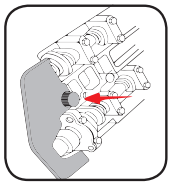
9AT1105E

- The set includes cam & crankshaft alignment tool and tensioner locking pin
- Suitable for Ford fitted with SCTi Ecoboost / Ti-VCT 2.0lt direct injection engines
- Camshaft tool use for vehicles manufactured **May 2011** and **after May 2011**

1745 1 / 10

MODEL:	**Galaxy**(2010-), **Mondeo**(2010-) **S Max**(2010-), **Focus**(2011-)
ENGINE CODE:	**Galaxy 2.0** TNWA, TNWB, TPWA **Mondeo 2.0** TNBA, TPBA **S Max 2.0** TNWA, TNWB, TPWA **Focus 2.0** MGDA, XQDA







CONTENTS :

- A – camshaft alignment plate
- B – camshaft alignment plate
- C – crankshaft locking tool
- D – crankshaft timing pin
- E – tensioner locking pin

FORD

Petrol Engine Timing Locking Set



9AT1005E

- The set includes revised design camshaft setting plate and tensioner locking pin
- Suitable for all later DURATEC petrol engine
- Use to ensure timing position is fixed and maintained correctly during engine timing application

P | CHAIN | BELT | 5 PC.

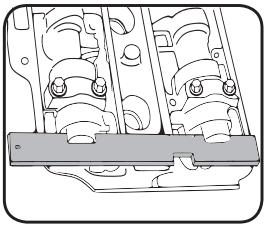
1051 | 1 / 10

MODEL:	**1.25 to 2.3 16v. DURATEC(Belt/Chain)** Fiesta (95-09) Fusion (02-09) Puma (97-02) Focus (98-09) Focus C-Max (03-07) C-Max (07-09) Mondeo (93-09) Cougar (98-01) S-Max (06-09) Galaxy (06-09) Tourneo Connect (02-06) Transit Connect (02-06) Transit (06-09)
ENGINE CODE:	**1.25 16v (Belt)** DHA~G, F8JA~B, FUJA~B M7JA~B, SNJA, STJA **1.4 16v (Belt)** ASDA~B, FHA, FHD~F, FXDA/C, FXDB/D FXJA~B, SPJA **1.6 16v (Belt)** FYDA/C, FYDB/D, FYJA~B, L1F, L1J, L1L, L1N, L1Q, L1T, L1V, L1W, HWDA~B **1.7 16v (Belt)** MHA~B **1.8 16v(Belt)** EYDB~G, EYDI~J, EYPA, EYPC, RKA~B RKF, RKH, RKJ, RKK **1.8 16v(Chain)** CDBB, CGBA/B, CHBA/B, CSDA~B, QQDA~C **2.0 16v(Belt)** EDBA/C, EDBB, EDBD, EDDB~D, EDDF, NGA~D **2.0 RS/ST170(Belt)** ALDA, HMDA **2.0 16v(Chain)** AOBA, AODA~B, AOWA, CJBA/B, N4JB **2.3 16v(Chain)** SEBA, SEWA, GZFA, GZFB



CONTENTS :

- A - crank TDC location pin
- B - crank TDC location pin
- C - camshaft setting plate
- D - timing belt tensioner locking pin
- E - crank holding tool
  (+crank pulley bolt tightening)



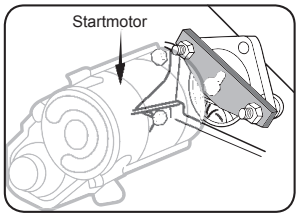
FORD

Petrol & Diesel Engine Flywheel Holding Set

9AT3-E01

- Lock crankshaft in timed position by locating into flywheel
- Suitable for counter-holding crankshaft when releasing or tightening crankshaft pulley bolt

373 g | 36 / 36





MODEL:	**1.8 TDI / TDdi / TDCi Petrol Engines(Belt)** Fiesta / Courier, Tourneo Connect, Focus C-Max, Mondeo, S-Max, Galaxy, Transit Connect **2.0TDCi Diesel Engines (Belt)** Focus / C-Max, S-Max, Galaxy **1.6Ti-VCT Petrol Engines(Belt)** Focus, Mondeo, Focus C-Max
ENGINE CODE:	**1.8 TDI / TDdi / TDCi Petrol Engines(Belt)** RTN, RTQ, RTP, BHDB, BHPA, C9DA, C9DB C9DC, F9DA, F9DB, FFBA, FFDA, FFWA HPCA, HPCB, P7PA, P9PA, QYBA, QYWA R2PA, R3PA, RWPA, KKDA **2.0TDCi Diesel Engines (Belt)** AZWA, G6DA, G6DB, G6DC, QXWA **1.6Ti-VCT Petrol Engines(Belt)** HXDA

IVECO

Diesel Engine Setting Tool (Belt Drive)

9AT2-A01

- The set includes flywheel locking pin, TDC timing pin and tensioner retaining tool
- Use for holding engine timing position when replacing timing belt
- Suitable for Fiat, Iveco, Renault, Citroen/Peugeot, Vauxhall/Opel

CONTENTS :
- A – TDC timing pin
- B – flywheel locking pin (2pc)
- C – tensioner retaining tool



112 g | 12 / 120

MODEL:	**2.5D/2.8D** Daily (91-06) Turbo Daily (94-00)
ENGINE CODE:	8140.07, 8140.27S, 8140.47 8140.47R, 8140.67F, 8140.97 8140.23, 8140.43C, 8140.43S

LANCIA

Diesel Engine Setting & Locking Set

9AT2006E

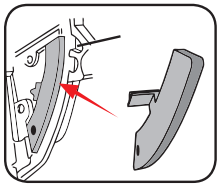


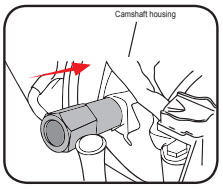
- The set includes flywheel holding tool, crankshaft locking tool and camshaft setting tools
- Suitable for Lancia, Alfa Romeo and Fiat engine
- Use to set and lock engines timing

6 PC.



CONTENTS :
- A&C&D - crankshaft locking tool
- B - flywheel holding tool (crank pulley removal)
- E - camshaft setting tool (pair)





1360 g | 1 / 10

MODEL:	**2.0JTD / 2.2JTD(Belt)** Lybra (99-07) Musa (04-09) Kappa (98-02) Thesis (02-07)
ENGINE CODE:	**1.9JTD 8v.** 323.02, 371.01, 188B2.000, 937A2.000 **2.4JTD 10v.** 838A8.000, 839A5.000, 839A6.000 **2.4JTD 20v.** 841C.000, 841D.000, 841G.000, 841H.000

LANCIA

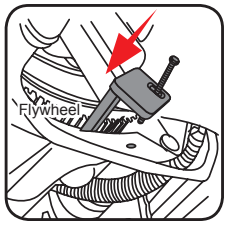
Petrol Engine Flywheel Holding Tool

9AT1-E01

- Use to lock the flywheel while removing and replacing the timing belt
- Put it into the teeth of the flywheel to hold the crankshaft up, while releasing or tightening the bolt

51 | 20 / 100

MODEL:	**Delta** (96-99) **Lybra** (99-06)
ENGINE CODE:	182A4.000 182A6.000





LAND ROVER

Diesel Engine 2.0 / 3.0 Timing Set

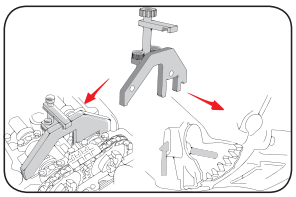


9AT2007E

- The set includes camshaft setting plate, tensioner retaining pin set and flywheel locking pin
- Suitable for BMW 2.0 and 3.0 liters common rail diesel engines in BMW 3, 5 & 7 Series, X5, Land Rover Freelander, Range Rover, Rover 75, Vauxhall / Opel
- Use to check and adjust the timing position of camshaft and TDC position of crankshaft

1753 | 1 / 10

MODEL:	**Diesel (Chain)** Freelander (00-06) Td4 (2.0d) Range Rover (02-06) Td6 (3.0d)
ENGINE CODE:	**Diesel (Chain)** 204D3 / Td4 (2.0 M47:BMW) 306D1 / Td6 (3.0 M27:BMW)





CONTENTS :
- A – camshaft setting plate
- B – camshaft plate locking tool
- C – TDC timing pin
- D – tensioner retaining pin set (pair)
- E – flywheel locking pin

Diesel Engine 2.5TDS Timing Set

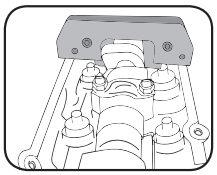


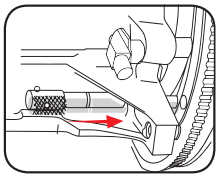
9AT2106E

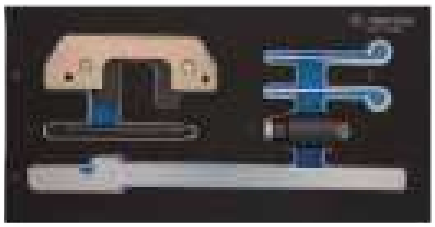
- The set includes camshaft setting plate, tensioner lever, tensioner retaining pin, flywheel locking pin and pump remove & sprocket retainer
- Suitable for BMW, Land Rover and Opel engines
- Use to retain and support the sprocket and timing chains in position when the pump is removed

2480 | 1 / 5

MODEL:	**2.5D Turbo (Chain)** Range Rover (94-02)
ENGINE CODE:	256T M51







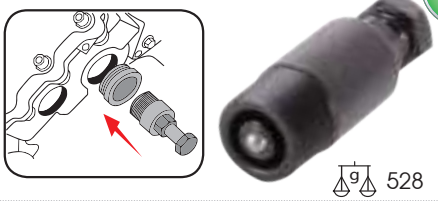
CONTENTS :
- A – camshaft setting plate
- B – tensioner lever
- C – flywheel locking pin
- D – tensioner retaining pin
- E – pump remove & sprocket retainer (2 part)

LAND ROVER

Diesel Injection Pump Puller

9AT2-D01

- Specifically designed for holding the sprocket / chain in place when disassembling the VP44 injection pump and high pressure pump
- Common rail fits BMW engines



528 6 / 36

MODEL:	**Freelander** (00-06) **Td4** (2.0d) **Range Rover** (02-06) **Td6** (3.0d)
ENGINE CODE:	204D3 / Td4 (2.0 M47:BMW) 306D1 / Td6 (3.0 M57 : BMW)

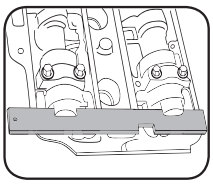
MAZDA

Petrol Engine Timing Locking Set



9AT1005E

- The set includes revised design camshaft setting plate and tensioner locking pin
- Suitable for all later DURATEC petrol engine
- Use to ensure timing position is fixed and maintained correctly during engine timing application





CONTENTS :
- A - crank TDC location pin
- B - crank TDC location pin
- C - camshaft setting plate
- D - timing belt tensioner locking pin
- E - crank holding tool (+crank pulley bolt tightening)

1051 1 / 10

MODEL:	**1.25 to 2.3 16v. (Belt/Chain)** 121 (95-00) 2 (02-07) 3 (03-09) 5 (05-09) 6 (02-09) MX-5 (05-09) MPV (02-05) Tribute (01-01)
ENGINE CODE:	**1.25 to 2.3 16v. (Belt/Chain)** **1.25 16v :** DHA, FUJA, FUJB **1.4 16v :** FXJA, FXJB **1.6 16v :** FYJA **1.8 16v :** L8 **2.0 16v :** LF, YF **2.3 16v :** L3

RENAULT

Diesel Engine Setting & Locking Set

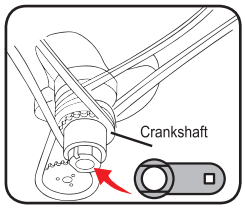


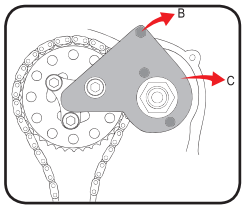
9AT2008E

- The set includes auxiliary belt tensioner locking pin, camshaft setting tools, crankshaft pulley holding tool, chain tensioner locking pin and crankshaft locking pin
- Suitable for 2.0 dCi chain drive engines of Renault, Nissan and Vauxhall / Opel



CONTENTS :
- A&H - camshaft gear alignment tool
- B&C - camshaft setting plate
- D - crankshaft locking pin
- E - auxiliary belt tensioner locking pin
- F - crankshaft pulley holding tool
- G - chain tensioner locking pin





2376 1 / 5

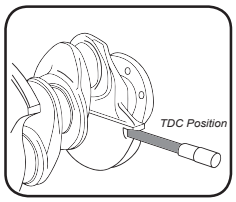
MODEL:	**Megane II** (07-09) **Scenic / Grand Scenic** (08-09) **Laguna II** (01-05) **Vel Satis** (05-09) **Espace / Grand Espace** (08-09) **Koleos** (08-09) **Trafi c** (07-09)
ENGINE CODE:	**2,0 dCi M9R** 700, 721, 722, 724, 740, 742, 746, 760 761, 780, 802, 803, 805, 830, 832, 833

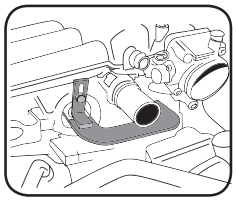
RENAULT

Petrol Engine Timing Locking Set-2.0 16V IDE - F5R

9AT1-A03

- The set includes crankshaft timing pin and camshaft setting plate, to aid timing belt replacement
- Suitable for Renault 2.0 IDE twin cam petrol engines found in Laguna and Megane vehicles







511 g | 10 / 30

MODEL:	**Megane** (99-03) **Laguna II** (01-05)
ENGINE CODE:	F5R700, 701, 740

Diesel Engine Setting Tool (Belt Drive)

9AT2-A01

- The set includes flywheel locking pin, TDC timing pin and tensioner retaining tool
- Use for holding engine timing position when replacing timing belt
- Suitable for Fiat, Iveco, Renault, Citroen / Peugeot, Vauxhall / Opel

CONTENTS :
- A – TDC timing pin
- B – flywheel locking pin (2pc)
- C – tensioner retaining tool



112 g | 12 / 120

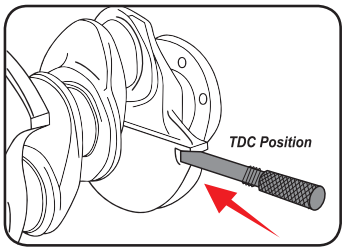
MODEL:	**2.5D / 2.5D Turbo / 2.8dTi / 2.8dCi** Trafic (98-00) Master (98-07)
ENGINE CODE:	**S8U** 720, 722, 730, 731, 742, 748 750, 752, 770, 772, 780, 782 **S9U** 700, 702, 704, 714, 740 **S9W** 206, 208, 212, 700, 702

Petrol & Diesel Engine Timing Set(dCi Engines)

9AT3-A03

- The set includes camshaft / crankshaft locking pin and TDC timing pin
- Used for timing belt replacement
- Suitable for Renault 1.5 and 1.9 dCi diesel and petrol engine

CONTENTS :
- A - crankshaft Locking Pin
- B - TDC Timing Pin
- C - camshaft/Crankshaft Locking Pin





RENAULT (Belt)

220 g | 10 / 100

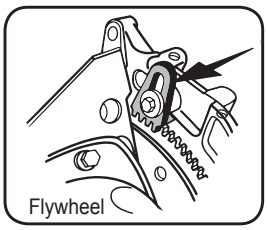
MODEL:	**Diesel** Clio 1.5 dCi (01-08) Clio 1.9 DTi (99-03) Espace 1.9 TDi (97-02) Kangoo 1.5 dCi (04-08) Kangoo 1.9 DTi (99-03) Laguna 1.9 DTi (97-03) Megane II 1.5 dCi (02-05) Megane 1.9 D / TD / TDi (95-03) Scenic II 1.5 dCi (02-05) Scenic 1.9 TD (95-99) **Petrol** Clio 1.8 (92-01) Espace 2.0 (92-01) Laguna 1.8 (92-01) Megane, 2.0 (96-99) R19 1.8 (92-01) F3R Scenic 2.0 (96-99)
ENGINE CODE:	**Diesel** K9K F8Q F9Q **Petrol** F3P F3R

RENAULT

Petrol & Diesel Engine Flywheel Holding & Locking Tool

9AT3-E02

- Used to remove the crankshaft pulley when replacing the timing belt
- The pulley retaining bolt is fitted with high torque and the flywheel must be securely locked during installation / removal
- Jamming tools into the teeth of the flywheel will cause serious damage to both teeth and housing
- Suitable for petrol and diesel engine





64 g | 25 / 100

MODEL:	**Petrol 1.2 to 2.2 (Belt)** F3R, F7R, F7P, F3P, E7J F8M and F8Q (early) **Diesel 1.50 to 2.50 TUD / XUD (Belt)** F3R, F7R, F7P, F3P, E7J, F8M and F8Q (early)

NISSAN

Diesel Engine Setting & Locking Tool Set

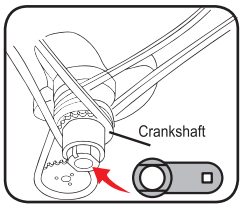
9AT2008E

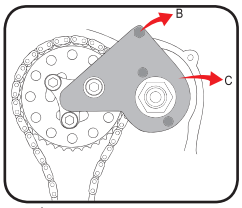


- The set includes auxiliary belt tensioner locking pin, camshaft setting tools, crankshaft pulley holding tool, chain tensioner locking pin and crankshaft locking pin
- Suitable for 2.0 dCi chain drive engines of Renault, Nissan and Vauxhall / Opel



CONTENTS :
- A&H - camshaft gear alignment tool
- B&C - camshaft setting plate
- D - crankshaft locking pin
- E - auxiliary belt tensioner locking pin
- F - crankshaft pulley holding tool
- G - chain tensioner locking pin





2376 g | 1 / 5

MODEL:	Primastar (08-09) Qashqai (08-09) X-Trail (07-08)
ENGINE CODE:	**M9R** 780, 830, 832, 833

ROVER

Diesel Engine 2.0 / 3.0 Timing Set

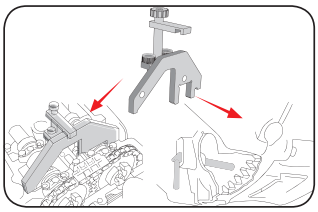
9AT2007E



- The set includes camshaft setting plate, tensioner retaining pin set and flywheel locking pin
- Suitable for BMW 2.0 and 3.0 liters common rail diesel engines in BMW 3, 5 & 7 Series, X5, Land Rover Freelander, Range Rover, Rover 75, Vauxhall / Opel
- Use to check and adjust the timing position of camshaft and TDC position of crankshaft

1753 g | 1 / 10

MODEL:	**Diesel (chain)** **Rover** 75 (99-05) **MG** MG ZT (01-05)
ENGINE CODE:	**Diesel (chain)** M47R (BMW)





CONTENTS :
- A - camshaft setting plate
- B - camshaft plate locking tool
- C - TDC timing pin
- D - tensioner retaining pin set (pair)
- E - flywheel locking pin

SAAB

Diesel Engine Setting & locking Set

9AT2005E

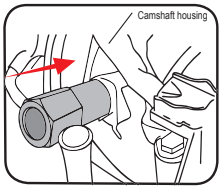


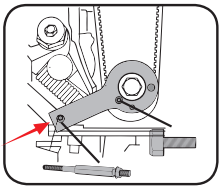
- The set includes crankshaft locking tool, camshaft setting tools(pair) and a tensioner locking pin
- Suitable for Saab, Vauxhall / Opel engine
- Use to set and lock engines timing

D | BELT | 5 PC.



CONTENTS :
- A&D - crankshaft locking tools
- B - camshaft setting tool (pair)
- C - tensioner locking pin





1295 | 1 / 10

MODEL:	**Diesel 2.2D TiD** 9-3 (98-04), 9-5 (02-06)
ENGINE CODE:	**Diesel 2.2D TiD** Z19DT / Z19DTH

SUZUKI

Petrol Engine Setting & Locking Set

9AT1004E

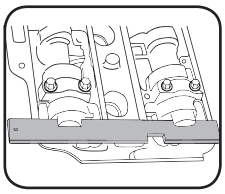


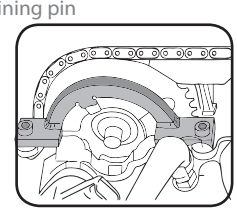
- The set includes camshaft setting plate, crankshaft locking pin, chain tensioner locking pin and also camshaft sensor aligning bracket
- The bracket is used to position the timing sensor disc on the inlet camshaft

P | CHAIN | 4 PC.



CONTENTS :
- A - camshaft sensor aligning bracket
- B - crankshaft locking pin
- C - camshaft locking tool
- D - tensioner retaining pin





1317 | 1 / 10

MODEL:	**Petrol 1.0 / 1.2 (Chain)** Wagon R+ (05-08)
ENGINE CODE:	**Petrol 1.0 / 1.2 (Chain)** Z10XEP Z12XEP

SUZUKI

Diesel Engine Setting & Locking Set

9AT2004E

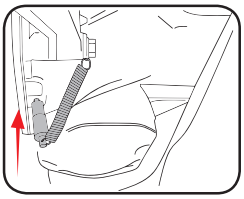


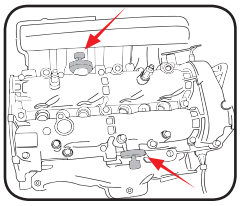
- The set includes flywheel locking pin, camshaft setting tools, tensioner locking pin
- Use to retain timing position only. DO NOT use them to hold camshafts in position while releasing or tightening the sprocket bolts

D | BELT | 4 PC.

1101 | 1 / 10

MODEL:	**Diesel 1.3 DDiS (Belt)** Swift (04-09) Ignis (03-09) Wagon R+ (03-08)
ENGINE CODE:	**Diesel 1.3 DDiS (Belt)** Z13DT







CONTENTS :
- A– camshaft setting tool set (pair)
- B– flywheel locking pin
- C– tensioner retaining pin

VOLKSWAGEN GROUP
AUDI/SKODA/VW/SEAT

Petrol Engine Twin Camshaft Setting & Locking Set - VAG 1.4 / 1.6 FSi (Chain)



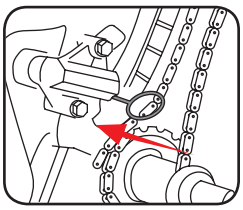
9AT1103E

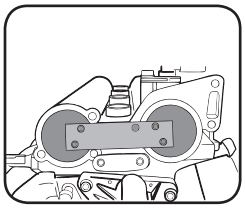
- The set includes camshaft setting plate, TDC position tool (with DTI) and tensioner locking pin
- 9AT1103 'B' TDC positioning tool has to use with 9AT3-F01 (not included in this set)

P | CHAIN | 3 PC.

1456 g | 1 / 10

MODEL:	**Audi** A3 (03-07) **Volkswagen** Polo (02-08), Golf V (03-08), Golf Plus (05-08) Jetta (06-08), Passat (05-08), Touran (03-07) **Skoda** Octavia II (04-08)
ENGINE CODE:	**1.4 FSI** AXU, BKG, BLN **1.6 FSI** BAG, BLF, BLP, BTS







CONTENTS :
- A - camshaft setting plate
- B - TDC position tool (with DTI)
- C - tensioner locking pin

VOLKSWAGEN GROUP
AUDI/SKODA/VW/SEAT

Petrol Engine Setting & Locking Set



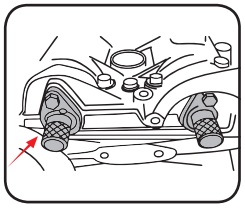
9AT1104E

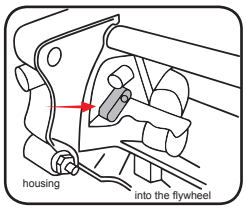
- The set includes a camshaft setting tool set (pair), camshaft setting tool and a flywheel locking pin
- Suitable for VW Group 1.2 engine range
- Use to adjust valve timing

P | CHAIN | 4 PC.

1291 g | 1 / 10

MODEL:	**Seat** Ibiza / Cordoba (02-08) **Skoda** Fabia (02-07) **Volkswagen** Polo (02-07), Fox (05-08), Eos (06-08)
ENGINE CODE:	**Petrol 1.2 6v (chain)** AWY, BMD **Petrol 1.2 6v (chain)** AZQ, BME







CONTENTS :
- A - camshaft setting tool set (pair)
- B - flywheel locking pin
- C - camshaft setting tool

VOLKSWAGEN GROUP
AUDI/SKODA/VW/SEAT

Diesel & Petrol Engine Timing Locking Set



9AT1012E

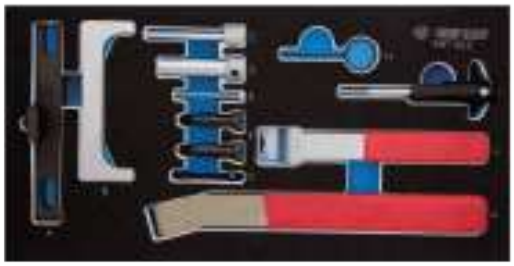
- PETROL :1.6 / 1.8 / 1.8T / 2.0 / 2.0 16v / 2.0FSi (Chain)
- DIESEL :1.7 and 1.9D / DT / SDi / TDi (Belt)



2037 1 / 5

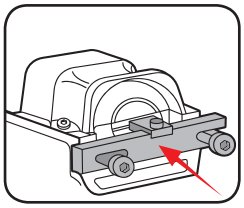
MODEL:	**PETROL / DIESEL :** **Audi** 80 (91-96), A3 (96-08), S3 (99-03) A4 (95-08), A6 (94-08) , TT (98-05) Cabriolet (94-08) **Seat** Altea (04-08) Alhambra (95-04), Arosa (98-05), Ibiza / Cordoba (93-02) Inca (96-04), Leon (99-05), Toledo (94-08) **Skoda** Fabia (00-07), Octavia (96-07) Superb (02-08) **VW** Beetle (99-08), Bora / Golf (94-08) Caddy (95-06), Lupo (99-06) Passat (96-08), Vento(92-97), Jetta(05-09) Polo / Classic (95-02), Sharan (95-08) Touran (03-08), Transporter (90-08)
ENGINE CODE:	**PETROL :** **1.6** 1F, ABM, ADA, ADP, AEH, AEK, AFT, AHL, AKL, AKS, ALZ, ANA, APF, ARM, AVU, AYD, BFQ, BFS, BFQ, BGU, BSE, BSF **1.8** ABS, ADR, ADZ, AGN, AJP, APG, APT, APX, ARG **1.8T** AEB, AGU, AJH, AJL, AJQ, AMK, ANB, APP, APU, APY, AQA, AQX, ARX, ARY, ARZ, AUM, AVC, AWC, AWT, AWU, AUQ, AYP, BAM **1.8 16v** ADL **2.0** 2E, AAC, AAE, ABF, ABK, ABT, ACE, ADY, AEG, AGG, AKT, APK, AQY, ATM, ATU, AWF, AWG, AXA, AZH, AZJ, AZL, AZM, BEH **2.0 16v** ABF **2.0FSi / TFSi** AXW, AXX, BGB, BHD, BLR, BLY, BMB, BPJ, BPY, BWA **DIESEL :** **1.7 SDi** AHB, AHG, AKU, AKW **1.9D/Turbo** 1Y, AAZ, ABL, AEF **1.95 SDi** AEF, AEY, AGD, AGP, AQM, ASX, ASY, AYQ **1.9TDi** 1Z, AAZ, AFF, AFN, AGR, AHF, AHH, AHU, ALE, ALH, ASV, AVG

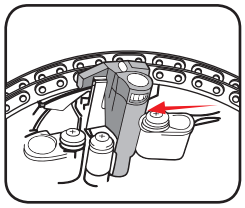
- The set includes injection pump locking tools and cam belt tensioner tools
- Suitable for VAG diesel (1.7 and 1.9D / SDi / TDi) and petrol (1.6 to 2.0) engines , and chain-in-head (1.8 / 1.8T) engine
- Use to replace timing belt and carry out various timing tensioner applications

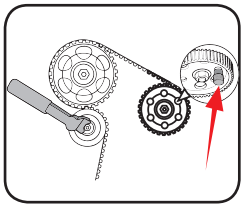


CONTENTS :

- A&f - camshaft setting plate
- B - camshaft setting plate
- C - injection pump locking pin
- D - injection pump locking pin
- E - fan retaining bolt
- G - tensioner retainer
- H - tensioner lock pin
- I - tensioner retainer
- J - tensioner adjuster
- K - tensioner adjuster







VOLKSWAGEN GROUP
AUDI/SKODA/VW/SEAT

Petrol Engine Timing Set



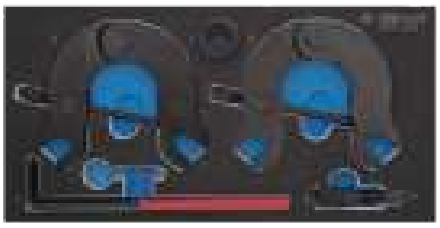
9AT1306E

- The set includes camshaft setting plate, camshaft sprocket adjusting tool, tensioner adjusting tool, tensioner locking pin and crankshaft locking pin
- Suitable for Audi VAG 3.0 V6 petrol engine
- Use to replace timing belt and carry out timing tensioner applications

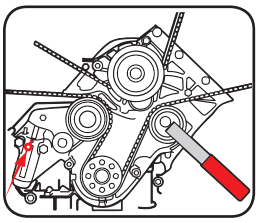
P | BELT | 6 PC.

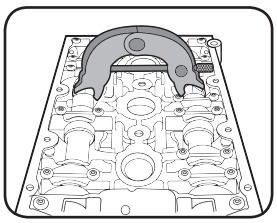
3668 g | 1 / 5

MODEL:	**Audi** A4 (01-08), A6 (01-08), A8 (03-08) Cabrio (03-08)
ENGINE CODE:	ASN, AVK, BBJ



CONTENTS :
- A - camshaft setting plate (pair)
- B - crankshaft locking pin
- C - camshaft sprocket adjusting tool
- D - tensioner adjusting tool
- E - tensioner locking pin





VOLKSWAGEN GROUP
AUDI/SKODA/VW/SEAT

Petrol Engine Setting & Locking Set



9AT1506E

- The set includes dial & TDC indicator and camshaft setting tool
- Suitable for 1.2T / 1.4T FSi and 1.4 / 1.6 FSi engines
- Use to check and adjust engine timing

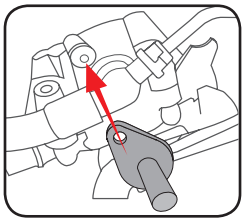
P | CHAIN | 6 PC.

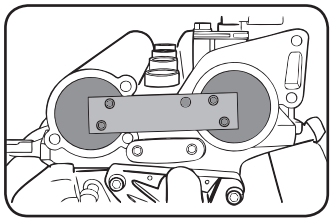
1856 g | 1 / 10

MODEL:	**Audi** A1(10-12), A3(03-12) **Seat** Altea/Altea XL(08-12), Ibiza/Cordoba(08-12) Leon(07-12), Toledo(07-09) **Skoda** Fabia II(07-12), Octavia II(04-12) Roomster(06-12), Superb II(09-12) Yeti(09-12) **VW** Caddy/ Caddy Maxi(10-12), Eos(06-12) Golf(03-12), Golf Plus(03-12), Jetta(06-12) Passat(05-11), Polo(02-12), Scirocco(08-12) Tiguan(07-12), Touran(03-12)
ENGINE CODE:	**1.2T FSi** CBZA, CBZB, CBZC **1.4T FSi** BLG, BMY, BWK, CAVA, CAVB, CAVC, CAVD CAVE, CAVF, CAXA, CAXC, CDGA, CSMA **1.4 FSi** AXU, BKG, BLN **1.6 FSi** BAG, BLF, BLP, BTS



CONTENTS :
- A – camshaft setting plate
- B – TDC indicator
- C – camshaft setting tool
- D – crankshaft locking pin
- E – dial test indicator
- F – tensioner locking pin





VOLKSWAGEN GROUP
AUDI/SKODA/VW/SEAT

Diesel Engine Setting & Locking Set - Pumpe Düse



9AT2012E

- The set includes crankshaft & camshaft locking tool, tensioner setting & adjusting tools
- Suitable for belt drive Pumpe Düse diesel engines of VW group vehicles and Ford (Galaxy)
- Use to set & lock engine to make sure timing is in the correct position during timing belt replacement
- Suggestion :
  Check the engine is hydraulic or mechanical tensioner first. (Some of 1.2 1.4 1.9 engines were changed from hydraulic to mechanical.)

D BELT 12 PC.

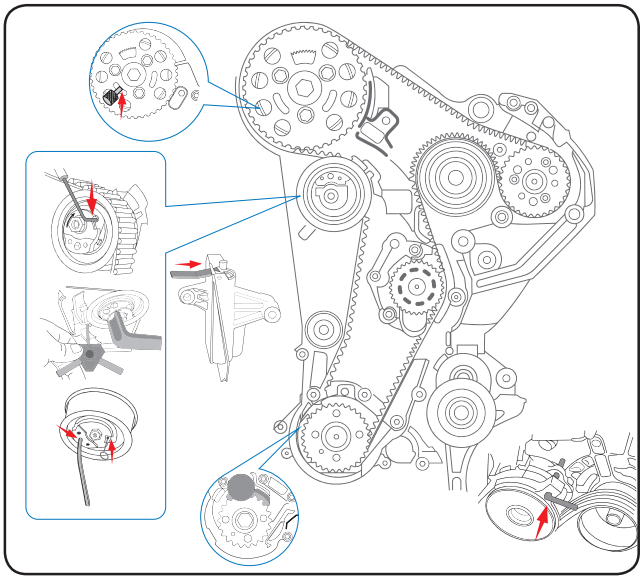
1845 1 / 10



CONTENTS :

- A - crankshaft locking tool (silver / oval)
- B - crankshaft locking tool (black / round)
- C - camshaft locking pins (2 pcs)
- D - tensioner adjuster (1.2, 1.4 & 1.9)
- E - tensioner adjuster (later 1.9 & 2.0)
- F - tensioner adjust tool (hexagon)
- G - tensioner locking tool
- H - tensioner locking pin (mechanical)
- I - tensioner locking tool (hydraulic)
- J - tensioner setting tool (hydraulic)
- K - auxiliary belt tensioner locking pin

MODEL:	**Audi** A2 (01-06), A3 (01-09), A4 (99-09) A5 (08-09), A6 (98-08), TT (08-09) Q5 (08-09) **Skoda** Fabia (00-07), Fabia II (07-09) Octavia (00-09), Octavia II (04-09) Superb (02-08), Roomster (07-09) **Volkswagen** Lupo(99-05), Polo(99-07), Fox(05-08) Jetta (05-09), Passat (98-09), Beetle (00-09) Touran (03-09), Sharan (99-09) Caddy (03-09), Golf /Bora(98-08) Golf Plus (05-09), Transporter (03-09) **Seat** Arosa (99-05), Altea XL(04-09) Leon (00-09), Toledo (04-09) Alhambra (99-09), Ibiza / Cordoba)(02-09) **Ford** Galaxy (99-06)
ENGINE CODE:	**1.2TDi PD** ANZ, AYZ **1.4TDi PD** AMF, ATL, BAY, BHC, BMS, BNM, BNV, BWB **1.9TDi PD** AJM, AMG, ANU, ARL, ASZ, ATD, ATJ, AUY, AVB, AVF, AVQ, AWX, AXB, AXC, AXR, BEW, BJB, BKC, BKE, BLS, BLT, BMT, BPX, BRB, BRM, BRR,BRS, BRU, BSU, BSW, BTB, BUK, BVK, BXE, BXF **2.0TDi PD** AZV, BDJ, BDK, BGW, BHW, BKD, BKP, BLB, BMA, BMM, BMN, BMP, BMR, BNA, BPW, BRC, BRE, BRF, BRT, BUZ, BVE, BVF, BVG, BVH, BWV **1.9TDi PD (Ford)** ANZ, ASZ, AUY



VW/AUDI

VW Audi TIMING TOOL Set VAG 1.6/2.0 TDI CR



9AT2010E new

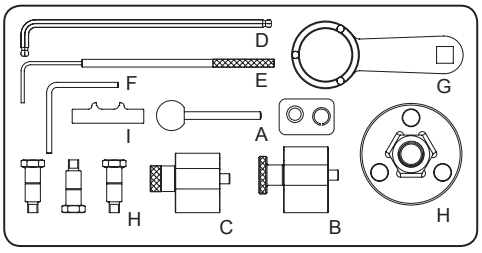
- This set designs to fit the newest common rail diesel engine which is significantly different from the older PD engine.
- The CR engine combines belt and the gear drive by using a toothed belt to transfer the drive from the crankshaft to one of the cam shafts, then using gears to transfer the drive from one cam to the other.

D | CHAIN | 10 PC.

2.7 | 1 / 4

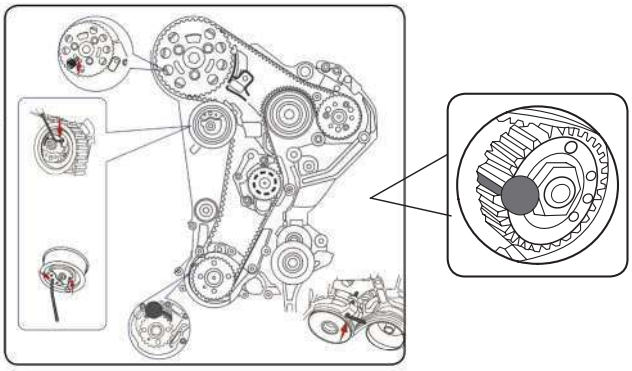
MODEL:	**Audi** A3, A4, A5, A6, Q5 **Volkswagen** Golf, Tiguan, Passat, Eos
ENGINE :	**1.2 TDi** ANY, AYZ **1.4 TDi** AMF, ATL, BAY, BHC, BNM, BNV **1.9 TDi** AJM, AMG, ANJ, ARL, ARX, ASZ, ATD, ATJ, AUY,AVB, AVF, AVQ, AWX, AXB, AXC, AXR, BEW, BJB, BKC, BKE, BLS, BLT, BMT, BPX, BRB, BRM, BRU, BSU, BSV, BSW, BTB, BVK, BXE, BXF **2.0 TDi** AZV, BKD, BDJ, BDK, BGW, BHW, BKP, BLB, BMA, BMM, BMN, BMP, BMR, BNA, BPW, BRC, BRE, BRF, BRT, BSS, BUY, BUZ, BVE,BVF, BVG, BVH, BVW





CONTENTS::

- A - Injection pump/ camshaft alignment pin
- B - Crankshaft pulley locking tool(Bored)
- C - Crankshaft pulley locking tool(Non-bored)
- D - Tensioner pulley adjustment tool(2.4mm Hex Key)
- E - Tensioner pulley locking tool
- F - auxiliary tensioner locking tool(3.9mm)
- G - Sprocket holding tool
- H - Cam sprocket hub puller
- I - Oil Pump /Balancer Shaft Alignment Tool



VOLKSWAGEN GROUP AUDI/SKODA/VW/SEAT

Petrol Engine Camshaft Sprocket Holding Tool

9AT1-A01

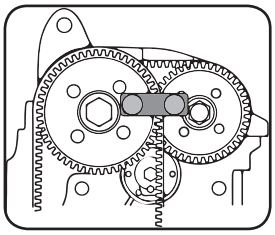
- For locking the camshaft pulleys when changing the toothed belt
- Engine repairs on 16-valve 1.4/1.6L FSi twin cams injection engine

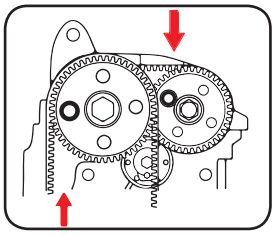
P | BELT

340 | 6 / 36

MODEL:	**Audi** A2 (00-06) **Seat** Arosa (99-05), Ibiza / Cordoba (99-08) Leon (99-05), Toledo (99-05), Inca (00-04) **Skoda** Fabia (99-07), Octavia (00-08) **Volkswagen** Lupo (98-05), Polo (98-07), Golf / Bora (97-08), Beetle (01-08) Caddy (99-08)
ENGINE CODE:	AFK, AHW, AJV, AKQ, APE, AQQ, AUA, AUB, AXP, ARC, ATN, AUS, AVY, AZD , ARR, BBY, BBZ, BCA, BKY, BAD, BCB







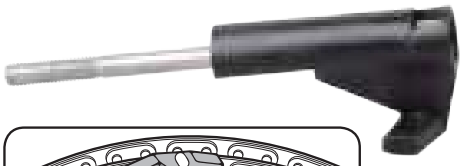
Petrol Engine Chain Tensioner Retainer

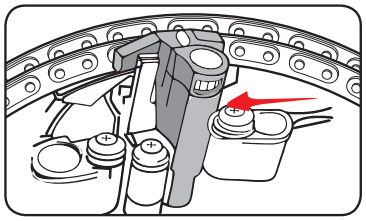
9AT1-A04

- Use to hold the chain tensioner in position when removing or installing timing chain
- Suitable for a variety of VAG chain drive engines

46 | 12 / 192

MODEL:	A3, A4, A6, A8, S3, S4, TT, etc
ENGINE CODE:	**Audi** AHA, AMB, AMU, APB, ART, ATC, ATQ, AWM, AWN, AWP, BBD, BCY, BEA, BEL, BFM **VW** AHA, APH, ATQ, AUG, AWM, AWP, AWV, BKF, BNU





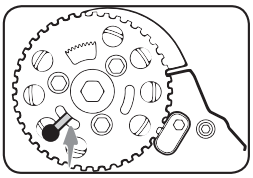
Diesel Engine Setting/Locking Tool (Belt Drive)

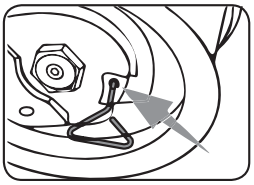
9AT2-C01

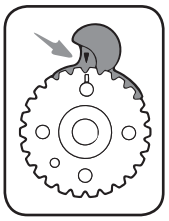
- The set includes crankshaft (oval/round), camshaft and tensioner locking pins
- Suitable for most of general VAG 1.4/1.9/2.0 TDi PD DOHC engines
- Also for Ford Galaxy models engine

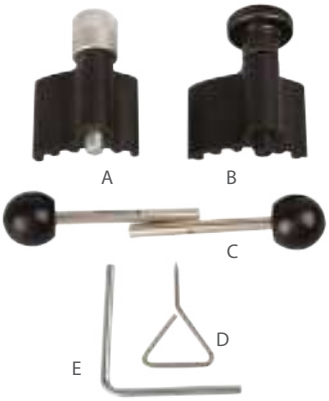
408 | 10 / 40

MODEL:	**Audi** A2 1.4 (02-06), A3 1.9/2.0 (02-08), A4 1.2 (02-05), A4 1.9/2.0 (02-05), A6 1.9 (20-05) **VW** Beetle 1.9 (02-08), Bora 1.9 (02-08), Fox 1.4 (02-08), Golf 1.9 (02-08), Lupo 1.4 (02-08) Polo 1.4/1.9 (02-08), Sharan 1.9 (20-08), Jetta 2.0 (03-), Passat 2.0 (03-), Touran 2.0 (03-) **Seat** Altea 1.9 (05-08), Leon 1.9/2.0 (05-08), Toledo 1.9 (05-08) **Skoda** Octavia II 2.0 (03-06), Fabia 1.4 (03-06)
ENGINE CODE:	**Audi** AMF, ASZ, ATD, AVB, AVF, AWX, AXR, AZV, BHC, BKC, BKD, BKE, BLB, BMN, BNA, BPW, BRB, BRC, BRD, BRE, BRF, BUY, BVA, BVF, BVG **VW** AJM, AMF, ANU, ARL, ASZ, ATD, AUY, AVB, AVF, AWX, AXR, BAY, BMS, BNM, BNZ, BWB **Seat** BJB, BKC, BLS, BMM, BXE **Skoda** AMF, AZV, BKD









CONTENTS :

- A - crankshaft locking tool (silver / oval)
- B - crankshaft locking tool (black / round)
- C - camshaft locking pins (2 pcs)
- D - tensioner pulley locking pin
- E - auxiliary belt tensioner locking Pin

VAUXHALL/OPEL

Petrol Engine Setting & Locking Set



9AT1002E

- The set includes camshaft setting tool and tensioner retaining pin
- Suitable for Vauxhall / Opel & Fiat engine
- Use to lock the camshafts on the correct timing position

P | CHAIN | 2 PC.

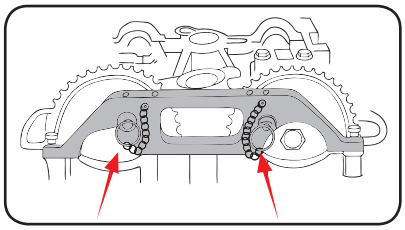
1510 | 1 / 10

MODEL:	**Petrol 2.2 16v. Twin Cams(Chain)** Astra-G (00-06) Astra-H (06-09) Speedster / VX220 (00-06) Vectra-B+C (00-08) Signum (03-08) Zafira-A+B (00-09)
ENGINE CODE:	Z22SE, Z22YH



CONTENTS :

- A - camshaft setting tool
- B - tensioner retaining pin



VAUXHALL/OPEL

Petrol Engine Setting & Locking Set



9AT1004E

- The set includes camshaft setting plate, crankshaft locking pin, chain tensioner locking pin and also camshaft sensor aligning bracket
- The bracket is used to position the timing sensor disc on the inlet camshaft

P | CHAIN | 4 PC.

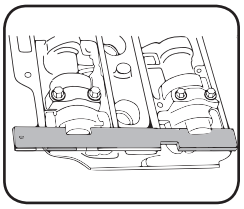
1317 | 1 / 10

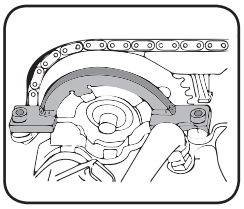
MODEL:	**Petrol 1.0 / 1.2 / 1.4 Twin Cams (Chain)** Agila (00-08), Corsa-B (97-00), Corsa-C (00-07), Corsa-D(06-09), Combo-C (04-07), Tigra-B (04-09), Astra-G (98-06), Astra-H (04-09), Meriva (04-09)
ENGINE CODE:	**Petrol 1.0 / 1.2 / 1.4 Twin Cams (Chain)** **1.0 12v.** X10XE, Z10XE, Z10XEP **1.2 16v.** X12XE, Z12XE, Z12XEP **1.4 16v.** Z14XEL, Z14XEP



CONTENTS :

- A - camshaft sensor aligning bracket
- B - crankshaft locking pin
- C - camshaft locking tool
- D - tensioner retaining pin





VAUXHALL/OPEL

Petrol Turbo Engine Timing Set



9AT1007E new

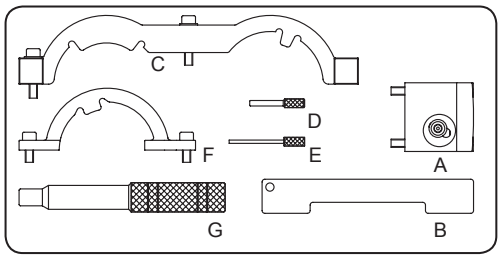
- The setting & locking set covers a wide range of Vauxhall/Opel and Chevrolet petrol engine.
- Include the necessary tool for setting and locking the camshaft and crankshaft for locking the timing chain tensioner.

7 PC. | P | CHAIN

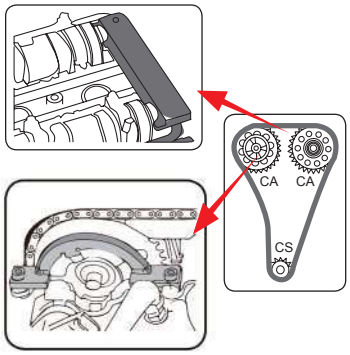
2.4 | 1 / 4

MODEL:	**Cadillac :** ELR (2014). **Chevrolet :** Aveo (2011-2015), Cruze (2011-2015), Volt (2012-2014),Trax (2013-2015), Orlando (2011-2015). **Holden:** Volt (2012-2014). **Vauxhall / Opel:** Agila (2000-2003), Agila-B (2008-2010), Adam (2012-2015),Ampera (2011-2015), Corsa-C (2000-2014), Corsa-D (2006-2014), Insignia (2011-2015), Meriva-B (2010-2015), Mokka (2012-2015),Zafira-C Tourer (2012-2015), Cascada (2013-2015),Astra-J (2009-2015).
ENGINE :	**1.0 / 1.0 Ecoflex** A10XEP **1.2 / 1.2 Ecoflex** A12XEL, A12XER, LWD/A12XEL, L2Q/A12XEL, LWD/B12XEL **1.4 / 1.4 Ecoflex** A14XER, LUJ/A14NET, LDD/A14XEL, LDD/A14XER, LDD/A14XEL, A14XEL, L2Z/A14XEL, LDD/B14XEJ, LDD/B14XEL, LDD/B14XER, LUJ/B14NEH, LUJ/B14NEL, LUJ/B14NET, LDD, LUU, LUH/A14NEL **1.4 Turbo** LUJ/A14NEL, LUJ/A14NET, LUJ/B14NET **1.6** LDE/A16XER, LDE/B16XER





CONTENTS:
- A - Inlet Camshaft Adjusting Tool
- B - Camshaft Locking Plate
- C - Camshaft Sensor Locating Too
- D - Chain Tensioner Locking Pin 4.0mm
- E - Chain Tensioner Locking Pin 2.5mm
- F - Camshaft Sensor Locating Tool
- G - Crankshaft Locking Pin



VAUXHALL/OPEL

Petrol & Diesel Engine Tensioner Adjustement Wrench (Via Water Pump)

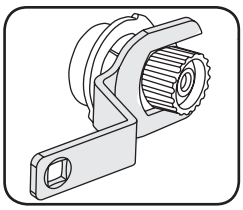
9AT1202

- The set includes 41mm and 46mm tension adjust wrench
- Suitable for Vauxhall / Opel and Chevrolet engine

P | D | CHAIN | 2 PC.

695 | 6 / 24

MODEL:	**9AT1202 - A(46MM)** **Petrol / 1.8 and 2.0 S.O.H.C** Astra F, Calibra, Frontera C18NZ, C20NE **Diesel / 1.6D and 1.7D** Astra, Cavalier, Vectra 16DA, 17D **9AT1202 - B(41MM)** **Petrol / 1.2 / 1.4 / 1.6 S.O.H.C** Corsa B / C , Combo, Astra-F, Vectra-B C12NE, X12SZ, C14NZ, X14NZ, C14SE X14SZ, X16SZ, X16SZR, Z16SE





CONTENTS :
- A - tension adjustment wrench (46mm)
- B - tension adjustment wrench (41mm)

VAUXHALL/OPEL

Diesel Engine Setting & Locking Set



9AT2004E

- The set includes flywheel locking pin, camshaft setting tools, tensioner locking pin
- Use to retain timing position only. DO NOT use them to hold camshafts in position while releasing or tightening the sprocket bolt

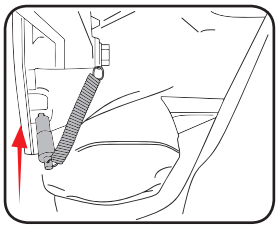
D | CHAIN | 4 PC.

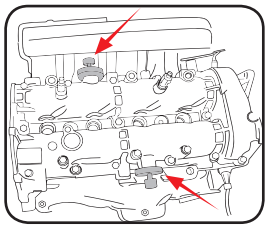
1101 | 1 / 10

MODEL:	**Diesel 1.3D CDTi (Chain)** Agila (03-08), Agila-B (08-09) Corsa / Combo-C (03-09), Corsa-D (08-09) Tigra-B(04-09), Meriva (04-09) Astra-H (05-09)
ENGINE CODE:	**Diesel 1.3D CDTi (Chain)** Z13DT, Z13DTH, Z13DTJ



CONTENTS :
- A - camshaft setting tool set (pair)
- B - flywheel locking pin
- C - tensioner retaining pin





VAUXHALL/OPEL

Diesel Engine Setting & Locking Set



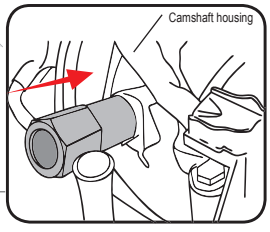
9AT2005E

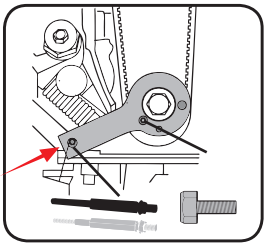
- The set includes crankshaft locking tool, camshaft setting tools(pair) and a tensioner locking pin
- Suitable for Saab, Vauxhall / Opel engine
- Use to set and lock engines timing

D | BELT | 5 PC.

1295 | 1 / 10

MODEL:	**Diesel 1.9D CDTi / 2.0D CDTi(Belt)** Astra-H (04-09), Vectra-C(04-08) Signum (04-08), Zafira-B (05-09) Insignia (08-09)
ENGINE CODE:	**Diesel 1.9D CDTi / 2.0D CDTi(Belt)** **1.9CDTi** Z19DT, Z19DTH, Z19DTJ, Z19DTL **2.0CDTi** A20DT, LBS, A20DT, LBX, A20DT, LBY A20DT, LCD







CONTENTS :
- A&D - crankshaft locking tools
- B - camshaft setting tool (pair)
- C - tensioner locking pin

VAUXHALL/OPEL

Diesel Engine 2.0 / 3.0 Timing Set



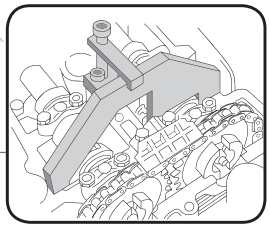
9AT2007E

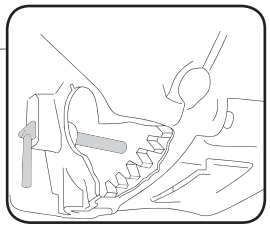
- The set includes camshaft setting plate, tensioner retaining pin set and flywheel locking pin
- Suitable for BMW 2.0 and 3.0 liters common rail diesel engines in BMW 3, 5 & 7 Series, X5, Land Rover Freelander, Range Rover, Rover 75, Vauxhall / Opel
- Use to check and adjust the timing position of camshaft and TDC position of crankshaft

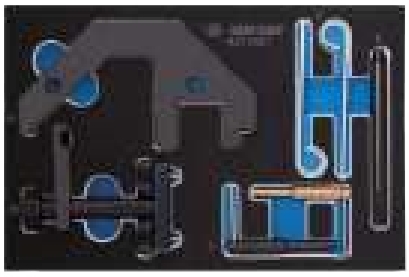
D | CHAIN | 7 PC.

1753 | 1 / 10

MODEL:	**Diesel (Chain)** Omega-B(01-03)
ENGINE CODE:	**Diesel (Chain)** Y25DT







CONTENTS :
- A – camshaft setting plate
- B – camshaft plate locking tool
- C – tdc timing pin
- D – tensioner retaining pin set (pair)
- E – flywheel locking pin

VAUXHALL/OPEL

Diesel Engine Setting & Locking Set



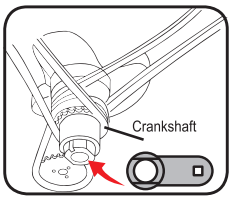
9AT2008E

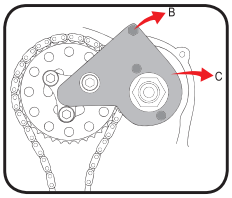
- The set includes auxiliary belt tensioner locking pin, camshaft setting tools, crankshaft pulley holding tool, chain tensioner locking pin and crankshaft locking pin
- Suitable for 2.0 dCi chain drive engines of Renault, Nissan and Vauxhall / Opel

D | CHAIN | 8 PC.

2376 | 1 / 5

MODEL:	**Vivaro** (07-08)
ENGINE CODE:	**M9R** 780/782/784







CONTENTS :
- A&H – camshaft gear alignment tool
- B&C – camshaft setting plate
- D – crankshaft locking pin
- E – auxiliary belt tensioner locking pin
- F – crankshaft pulley holding tool
- G - chain tensioner locking pin

VAUXHALL/OPEL

Diesel Engine 2.5TDS Timing Set

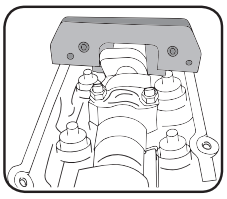


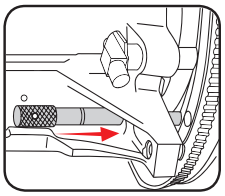
9AT2106E

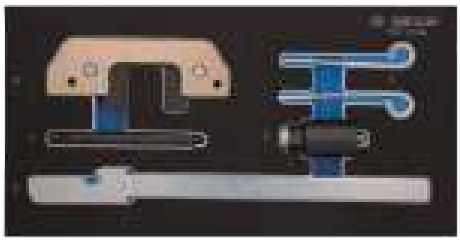
- The set includes camshaft setting plate , tensioner lever , tensioner retaining pin , flywheel locking pin and pump remove & sprocket retainer
- Suitable for BMW, Land Rover and Opel engines
- Use to retain and support the sprocket and timing chain in position when the pump is removed

2480 g | 1 / 5

MODEL:	**Omega-B** (94-01)
ENGINE CODE:	**2.5D Turbo (Chain)** X25DT







CONTENTS :
- A – camshaft setting plate
- B – tensioner lever
- C – flywheel locking pin
- D – tensioner retaining pin
- E – pump remove & sprocket retainer (2 part)

Diesel Engine Setting Tool (Belt Drive)

9AT2-A01

- The set includes flywheel locking pin, TDC timing pin and tensioner retaining tool
- Use for holding engine timing position when replacing timing belt
- Suitable for Fiat, Iveco, Renault, Citroen / Peugeot, Vauxhall / Opel

112 g | 12 / 120

MODEL:	**2.5D / 2.8D** Arena (97-01) Movano (98-03)
ENGINE CODE:	**S8U** 770, 772 **S9W** 700, 702



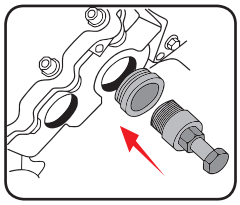
A B C

CONTENTS :
- A – TDC timing pin
- B – flywheel locking pin (2pc)
- C – tensioner retaining tool

Diesel Injection Pump Puller

9AT2-D01

- Specifically designed for holding the sprocket / chain in place when disassembling the VP44 injection pump and high pressure pump
- Common rail fits BMW engines





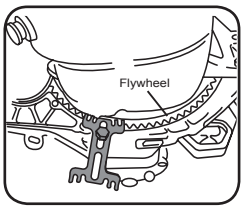
528 6 /36

MODEL:	**Omega - B** (01-03)
ENGINE CODE:	Y25DT

Petrol Engine Flywheel Holding & Locking Tool

9AT2-E01

- Use to remove the crankshaft pulley while replacing the timing belt
- Put into the teeth firstly, fix steadily on the housing according to manufacturer's guidelines





39 20 / 100

MODEL:	**Astra** (86-91) **Astra-F + G** (91-98) **Ascona-C / Cavalier** (86-88) **Vectra A** (89-95)
ENGINE CODE:	16DA, 17D, 17DR, 17DTL

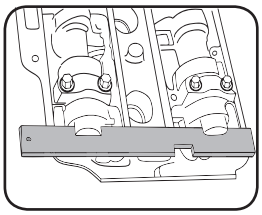
VOLVO

Petrol Engine Timing Locking Set



9AT1005E

- The set includes revised design camshaft setting plate and tensioner locking pin
- Suitable for all later DURATEC petrol engine
- Use to ensure timing position is fixed and maintained correctly during engine timing application





CONTENTS :

- A - crank TDC location pin
- B - crank TDC location pin
- C - camshaft setting plate
- D - timing belt tensioner locking pin
- E - crank holding tool (+crank pulley bolt tightening)

1051 1 / 10

MODEL:	**1.6 / 1.8 / 2.0 16v. Twin Cam (Belt / Chain)** S40 / V50 (04-09) C30 (06-09)
ENGINE CODE:	**1.6 / 1.8 / 2.0 16v. Twin Cam (Belt / Chain)** **1.3 16v** B4164S3(Belt) **1.8 16v** B4184S11(Chain) **2.0 16v** B4204S3(Chain)

UNIVERSAL

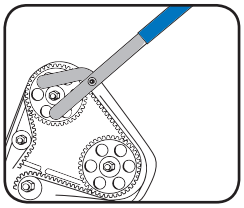
Camshaft & Injection Pump Sprocket Holding Tool

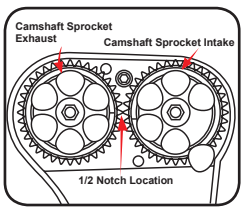
9AT3-A01

- Use to counter hold camshaft or injection pump sprocket to release the retaining bolt
- For universal diesel and petrol engine

912 6 / 24







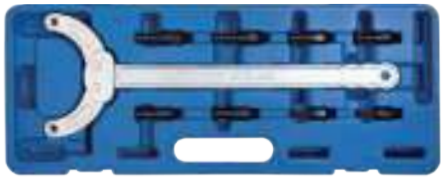
UNIVERSAL

Universal Camshaft Pulley Holding Wrench

9AT3-A02

- Use to hold camshaft pulley while loosening and tightening cam sprockets center bolt
- Designed with 4 pair groove pins 7, 10, 14, 16mm
- Adjustable swivel jaw both side application for most engine
- Capacity : 40 ~ 140mm (1-1/2" ~ 8-5/8")
- For universal engine, especially O.H.C. overhead cam engines cars

1000 / 1 / 6







UNIVERSAL

Camshaft Sprocket Puller

9AT3-A04

- Use to hold and remove the camshaft sprocket without damaging the sprocket
- Use with 3/8" square drive tool or 19mm wrench
- Suitable for most sprockets from Ø60 to Ø100 mm





KT NO.	Capacity mm		
9AT3-A04	60~100	1437	1 / 12

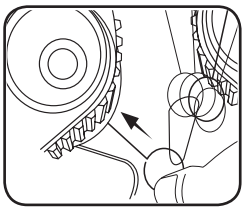
UNIVERSAL

Belt Tensioner Lock Pin Set

9AT3-B01

- Designed for retaining tensioner plunger in fixed position while replacing timing belt
- Suitable for common vehicle and engine

17 / 20 / 100





CONTENTS :
- 0.79mm / .0310"
- 1.21mm / .0476"
- 1.41mm / .0560"
- 1.51mm / .0594"
- 1.71mm / .0670"
- 1.92mm / .0760"

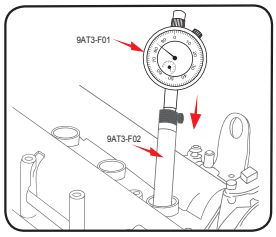
UNIVERSAL

Dial Test Indicator

9AT3-F01

- Use to measure and accurately find the piston TDC position
- This tool has to use with TDC Indicator 9AT3-F02
- It can be used for mechanical circularity, flatness.....etc

63 / 1 / 100





UNIVERSAL

TDC Indicator

9AT3-F02

- Use to measure if the cylinder piston is at TDC position
- This tool has to use with Dial Test Indicator 9AT3-F01

292 / 1 / 30



Hose Clamp	KT Item	Suitable Car Brand
    Hose Clamp	 9AA11  9AA13  9AA16  9AA21  9AA31  9AA32	Universal VW(Intake), VW, Audi, Opel, Honda, Ford
 Hose Clamp	 9AA17	VW, Audi, Seat, Skoda, Lamborghini
 CLIC Clamp  CLIC-E Clamp  CLIC-R Clamp  CLIC-GR Clamp	 9AA15  9AA25	VW, Audi, Citroen/Peugeot, Fiat, Mercedes-Benz, Opel, Renault, Ford, Volvo
 Screw Clamp  Worm Drive Clamp	 1453-05 / 1453-06 / 1453-07 1453-08 / 1453-10	Universal

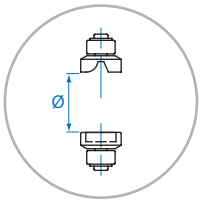
Straight Hose Clamp Pliers

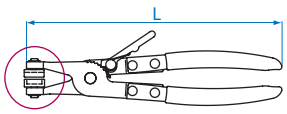
9AA11

- Use to remove and install spring clamp
- Swivel V-shaped jaws
- Suitable for universal cars, especially VW, Audi, Opel, Honda, Ford









KT NO.	Ø mm	L inch	L mm	g	
9AA11	55	8-21/32	220	220	12 / 72

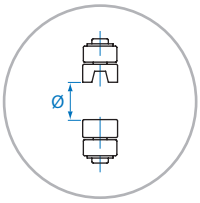
Flat Band Hose Clamp Pliers

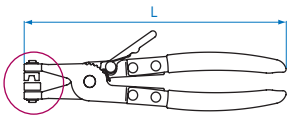
9AA16

- Use to remove and install spring clamp
- Swivel concave jaws
- Suitable for universal cars, especially VW, Audi, Opel, Honda, Ford









KT NO.	Ø mm	L inch	L mm	g	
9AA16	60	8-21/32	220	213	12 / 72

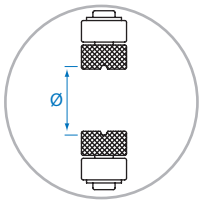
Wire Hose Clamp Pliers

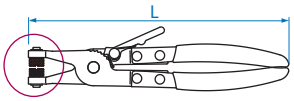
9AA13

- Use to remove and install wire clamp
- Swivel jaws
- Suitable for universal cars, especially Corbin heater hose









KT NO.	Ø mm	L inch	L mm	g	
9AA13	51	8-21/32	220	238	12 / 72

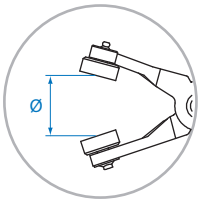
Curved Hose Clamp Pliers

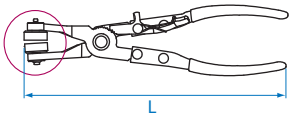
9AA21

- Use to remove and install spring clamp
- 45° swivel concave jaw with greater access in confined spaces
- Suitable for universal cars, especially VW, Audi, Opel, Honda, Ford









KT NO.	Ø mm	L inch	L mm	g	
9AA21	53	8-21/32	220	224	12 / 48

Flexible Hose Clamp Pliers

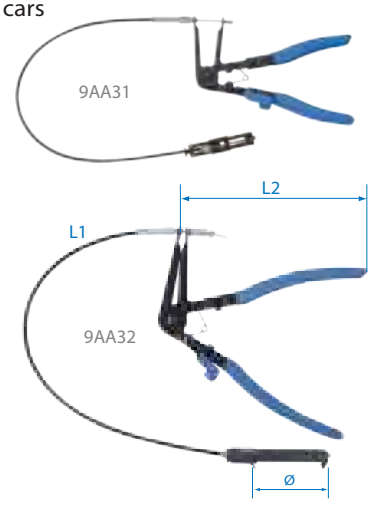
9AA31

9AA32

- Use to remove and install spring clamp
- Flexible flat jaw with greater access in confined spaces
- Suitable for universal cars







KT NO.	Ø mm	L 1 inch	L 1 mm	L 2 inch	L 2 mm	g	
9AA31	53	25	630	9	225	528	12 / 36
9AA32	77	27-1/4	700	12	310	756	6 / 24

CLIC Hose Clamp Pliers

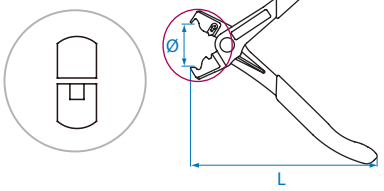
9AA15

- Use to remove and install CLIC and CLIC-R clamp
- Special-designed jaws
- Suitable for VW, Audi, Opel, Citroen, Peugeot, Fiat, Renault, Mercedes-Benz









KT NO.	Ø mm	L inch	L mm	g	
9AA15	36	5-19/32	142	223	12 / 72

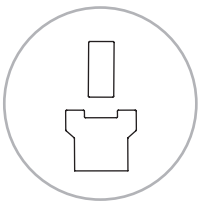
Fuel Line Hose Clamp Pliers

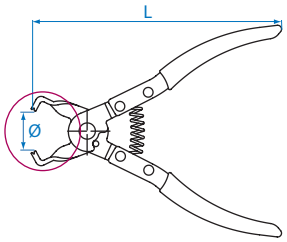
9AA17

- Use to remove and install fuel line clamp
- Special pick jaws
- Suitable for VW, Audi, SEAT, Skoda









KT NO.	Ø mm	L inch	L mm	g	
9AA17	27	6-3/4	171	188	12 / 60

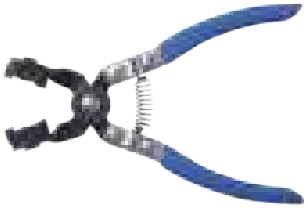
360° CLIC Hose Clamp Pliers

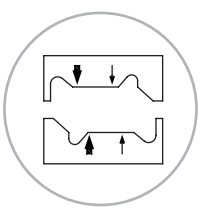
9AA25

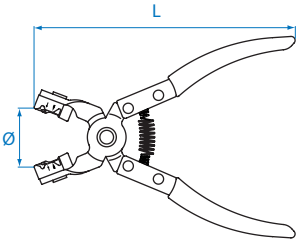
- Use to remove and install CLIC and CLIC-R clamp
- 360° swivel angle
- Suitable for VW, Audi, Opel, Citroen, Peugeot, Fiat, Renault, Mercedes-Benz











KT NO.	Ø mm	L inch	L mm	g	
9AA25	32	7	175	224	12 / 72

Hose Clamp Pliers Set

9AA01

- Applicable to most hose clamps of flat band, worm drive and Clic type
- Use for removing and installing common hose clamp type
- The set includes KT items:
  9AA13 - Wire Hose Clamp Pliers
  9AA16 - Flat Band Hose Clamp Pliers
  9AA17 - Fuel Line Pliers
  9AA21 - Curved Hose Clamp Pliers
  9AA25 - 360° CLIC Hose Clamp Pliers
  9AA31 - Flexible Hose Clamp Pliers
  1453 - Flexible Hex Nut-Driver (05,06,07,08,10mm)

3680 1 / 5





Fuel Line Pliers

9AB11

- Improved type can also use for fuel lines with plastic snap-together connectors
- Use for VW-Audi, Fiat, GM, Opel/Vauxhall, Mercedes-Benz



KT NO.	L inch	L mm		
9AB11	9	228	312	12 / 72

9AB12

- For removal and replacement of the connections on the in-line fuel filter
- Use for VW, PSA , Fiat, Opel



KT NO.	L inch	L mm		
9AB12	6	150	87	12 / 144



Piston Ring Compressor

9AC

- The square adjustment key wrench forces the rings into the grooves and the clutch prevents it from expanding



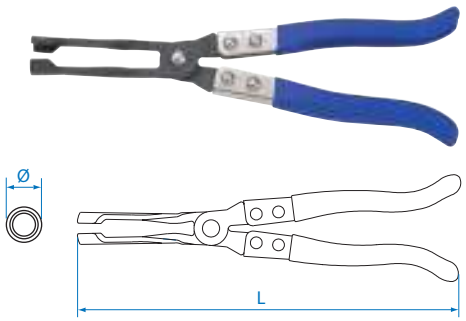


KT NO.	H inch	H mm	Ø Capacity inch	Ø Capacity mm	g	
9AC125-32	3-1/4	80	2-1/4~5	57~125	260	20 / 60
9AC125-40	4	100	2-1/4~5	57~125	280	20 / 60
9AC175-32	3-1/4	80	3-1/2~7	90~175	300	20 / 60
9AC175-40	4	100	3-1/2~7	90~175	320	20 / 60
9AC175-66	6-3/4	165	3-1/2~7	90~175	530	20 / 40

Valve Stem Seal Pliers

9AD11

- For removing valve stem seals in multi-valves engine
- Jaw longitudinal toothed - avoids slipping down
- For deeply leveled valve stem seals



KT NO.	L inch	L mm	Ø mm	g	
9AD11	11	275	9.5	400	12 / 48

Swivel Oil Filter Wrench

9AE31

- Professional swivel PVC dipped handle
- Easy to bend in different positions for reaching into narrow spaces





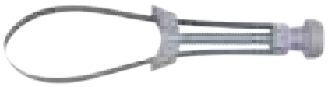
KT NO.	Ø Capacity mm	g	
9AE31-73	60~73	275	6 / 36
9AE31-85	73~85	283	6 / 36
9AE31-95	85~95	300	6 / 36
9AE31-111	95~111	307	6 / 36
9AE31-121	110~121	309	6 / 36
9AE31-134	120~134	322	6 / 36

Band Type Oil Filter Wrench

9AE32

- Adjustable metal band
- Suitable for filters between Ø65mm to Ø155mm





KT NO.	Ø Capacity mm	g	
9AE32-110	65~110	246	25 / 50
9AE32-155	110~155	252	25 / 50

Quick Grip Oil Filter Wrench

9AE33

- Quick-adjustable tightening design
- Band type allows for narrow space
- Non-slip reaction teeth provides better grip



- The design offers a stronger clamping force





KT NO.	Ø Capacity mm	g	
9AE33-110	65~110	305	25 / 50
9AE33-155	110~155	311	25 / 50

Quick Grip Oil Filter Wrench Set

9AE33-110-S





6 PC.

KT NO.	Contents	kg 2.70	1 / 2
9AE33-110-S	9AE33-110		

9AE33-155-S





6 PC.

KT NO.	Contents	kg 2.70	1 / 2
9AE33-155-S	9AE33-155		

Strap Wrench

3203

- Strap wrench for oil filter





KT NO.	Capacity mm	Overall length inch	mm	g	
3203	Ø 60~140	8-3/4	223	242	50
320300	strap			46	80
3203A0	Ø 60~260	8-3/4	223	300	45
320300	strap			73	80

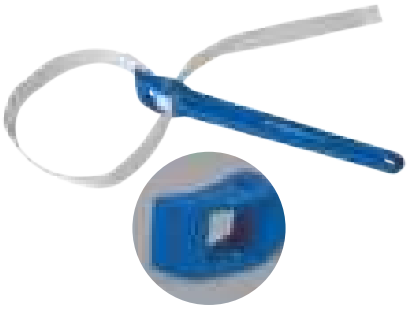
Strap Wrench

320670

- Aluminum alloy handle and strong nylon strap for tight grip
- Suitable for oil filter or any polished pipe







• Serrated makes grip tight

KT NO.	Overall length inch	Overall length mm	Capacity mm	g	
320670	12	295	Ø 60~180	344	50
320600		nylon strap		35	50

320760

- Strap wrench for oil filter
- Use with 1/2" square drive tool





KT NO.	Overall length inch	Overall length mm	Capacity mm	g	/
320760	11	280	Ø 60~160	256	12 / 72

Chain Wrench

3204

- Chain wrench for oil filter





KT NO.	Capacity mm	Overall length inch	Overall length mm	g	
3204	Ø 60~140	8-3/4	225	359	50

Chain Wrench

3205

- Heavy duty oil filter chain wrench, specially for auto, truck and agricultural equipment
- Flexible in confined space
- Suitable for all types of oil filters







• Adjust to appropriate size of the oil filter.



Swiveling



• Release the chain to reinstate it.

KT NO.	Capacity mm	Chain length mm	g	/
320540	Ø 60~105	350	742	6 / 24
320560	Ø 60~160	520	880	6 / 24

Cup Type Oil Filter Wrench

9AE1 — 3/8"

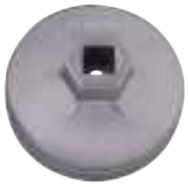
- 3/8" square drive
- Withstands up to 115.2 Nm(85 ft.lbs)
- Cup-type design, reduce the possibility to damage oil filters
- Material: Aluminum



KT NO.		g	
9AE1-6414	64mm(2-1/2)-14 flutes TOYOTA 4 Cylinder (1800CC.2000CC) ,ALLION, AURIS, COROLLA AXIO, ISIS, IST, COROLLA RUMION, COROLLA FIELDER, NOAH, PREMIO, PRIUS, VOXY, WISH, etc…	164	12 / 72

9AE0 new — 1/2"

- 1/2" square drive
- Withstands up to 115.2 Nm (85ft-lbs)
- Cup-type design, reduce the possibility to damage oil filters
- Material: Aluminum



KT NO.		g	
9AE0-6414	64mm -14 flutes TOYOTA.NISSAN	103	1 / 100
9AE0-7414	74mm -14flutes AUDI. VW. OPEL. BMW. AUSTIN. 2003+FORD	128	1 / 100

9AE6 — 1/2"

- 1/2" square drive
- Withstands up to 115.2 Nm(85 ft.lbs)
- Coated with electro-black oxide finish for protection against rust
- Cup-type design, reduce the possibility to damage oil filters





KT NO.		g	
9AE6-6514A	65mm(2-9/16")- 14 flutes Fits Nissan, Fiat Champ, Hasting. GM/AC, Wix, NAPA, Purolator, Daihatsu, Toyota, Nissan, etc…	112	12 / 72
9AE6-7414	74mm(2-29/32")-14 flutes Audi, Volkswagen, BMW, Citroën, Peugeot, Ford, Fiat, Lancia, Mazda, Mercedes-Benz, Nissan, Vauxhall, Opel, Porsche, Renault, Suzuki, Toyota, etc...	153	12 / 72
9AE6-8414	84 mm(3-3/10")-14 flutes Mercedes Benz V6/V8 CDi models, etc…	194	12 / 72

Cup Type Oil Filter Wrench Set

9AE2002 — 3/8"

- 3/8" square drive
- Withstands up to 115.2 Nm(85 ft.lbs.)
- Coated with electro-black oxide finish for protection against rust
- Cup-type design, reduce the possibility to damage oil filters





2 PC.

KT NO.	Applicable models	g	
9AE2-6514	65mm(2-9/16")- 14 flutes Fits Nissan, Fiat Champ, Hasting. GM/AC, Wix, NAPA, Purolator, Daihatsu, Toyota, Nissan, etc…	282	1 / 40
9AE2-6567	65 & 67mm(2-9/16" & 2-21/32")–14 flutes Fits same filters as made in Canada including, PH4386, PH4967, PH6017, PH6018, Daihatsu, Toyota, etc…		

Cup Type Oil Filter Wrench Set

9AE2004 3/8"

- 3/8" square drive
- Withstands up to 115.2 Nm(85 ft.lbs)
- Coated with electro-black oxide finish for protection against rust
- Cup-type design, reduce the possibility to damage oil filters

4 PC.





KT NO.		571	1 / 20
9AE2-6606	66 mm(2-19/32")-6 flutes Fiat (Punto, 1.2), Renault (Clio1.2 Express, Kangoo, Rapid, Twingo), etc…		
9AE2-7608	76mm(3")-8 flutes Fiat (z.B. Marea), Lancia (z.B. Delta), etc…		
9AE2-7614	76mm(3")-14 flutes Fits Champion, Champ Lee, Purolator, Mopar, VW, Porsche, Mercedes-Benz, BMW, Audi (I.B.A3TD) Opel, etc…		
9AE2-9315	93mm(3-21/32")-15 flutes Fits Casite, Champ, Champion, GM, Fram, Hastings, Opel, Mazda, Volvo, Mitsubishi, Purolator, Wix, Nissan, VW, Porsche, Renault, Ford, Honda, Audi, etc…		

9AE6002 1/2"

- 1/2" square drive
- Withstands up to 115.2 Nm(85 ft.lbs.)
- Coated with electro-black oxide finish for protection against rust
- Cup-type design, reduce the possibility to damage oil filters

2 PC.



KT NO.	Applicable models	282	1 / 40
9AE6-6514	65mm(2-9/16")- 14 flutes Fits Nissan, Fiat Champ, Hasting. GM/AC, Wix, NAPA, Purolator, Daihatsu, Toyota, Nissan, etc…		
9AE6-6567	65 & 67mm(2-9/16" & 2-21/32")–14 flutes Fits same filters as made in Canada including, PH4386, PH4967, PH6017, PH6018, Daihatsu, Toyota, etc…		

Cup Type Oil Filter Wrench Set

9AE2016 3/8"

- 3/8" square drive
- Withstands up to 115.2 Nm(85 ft.lbs.)
- Coated with electro-black oxide finish for protection against rust
- 1 PC. 1/2"(F)x3/8"(M) adapter
- 1 PC. 3 legs oil filter wrench(63-102mm)





16 PC.



KT NO. 4.00 1 / 5

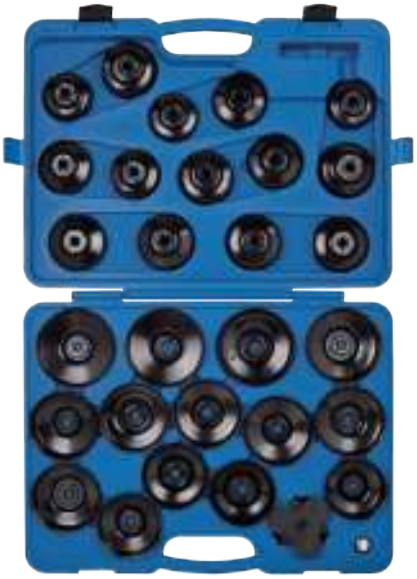
9AE2-6606	66mm(2-19/32")-6 flutes Fiat(Punto, 1.2), Renault(Clio 1.2 Express, Kangoo. Rapid. Twingo), etc....
9AE2-7476	74 & 76mm(2-29/32" & 3")-15 flutes Fits Fram, AC, Saturn, Opel, VW, Audi, Mercedes, etc....
9AE2-7608	76mm(3")-8 flutes Fiat(z.B. Marea), Lancia(z.B. Delta), etc....
9AE2-7612	76mm(3")-12 flutes Fiat(z.B. Ducato, Scudo, Ulysee),Renault, (Megane, Laguna, Espace III.), etc....
9AE2-7614	76mm(3")-14 flutes Fits Champion, Champ Lee, Purolator, Mopar, VW, Porsche,Mercedes, BMW, Audi, Toyota, Opel, etc....
9AE2-8616	86mm(3-3/8")-16 flutes Volvo(S40, S60, S70, S80) etc....
9AE2-8618	86mm(3-3/8")-18 flutes VW. Golf.(MKIII. Tdi, Passat Tdi), Audi A6 Tdi, Renault(Clio, Rapid 1.9D, Laguna.Safrane. Espace 2.1D). Citroen, Peugeot, Renault, etc..
9AE2-9210	92mm(3-40/64")-10 flutes Fiat, Cinquecento, Coupe, Croma, DAF, Fiat, Panda. Regata, Ritmo Fiat, Seicento. Tempra, Tipo, Lancia(Beta. Dedra. Kappa. Monte. Carlo. Prisma. Thema. Trevi), etc....
9AE2-9315	93mm(3-21/32")-15 flutes Fits Casite, Champ, Champion, GM, Fram, Hastings,Purolator, Wix, Nissan, Volvo, Mazda, Audi, VW, Porsche, Renault, etc....
9AE2-9345	93mm(3-21/32")-45 flutes VW-Audi.(TDi 2.4, 2.6, 2.8L), etc....
9AE2-9618	96mm(3-3/4")-18 flutes Audi(A4 Tdi, VW Passat,97 Tdi), Renault (Laguna 2.2d. Safrane2.2D. Espace 2.2D. R19 2.2D. Rapid, Megane,1.9/2.1D. Tdi) etc..
9AE2-10615	106mm(4-11/64")-15 flutes Fiat(Ducato 2.5D. Td), etc....
9AE2-10815	108mm(4-8/32")-15 flutes Volvo(C70. S70. V70. Tdi. TD)(850 Tdi. TD) etc....
9AE2-10818	108mm(4-8/32")-18 flutes Renault(Espace, Laguna, Master, Safrane, Traffic 2.4, 2.5, 2.8D. TD), etc....
9AE423	3 legged oil Filter Tool 63-102mm(2-1/2" to 4")
9AE221	1/2" drive adaptor 1/2" F x 3/8" M

Cup Type Oil Filter Wrench Set

9AE6030 1/2"

- 1/2" square drive
- Withstands up to 115.2 Nm(85 ft.lbs.)
- Coated with electro-black oxide finish for protection against rust
- Cup-type design, reduce the possibility to damage oil filters
- Suitable for 3/8" or 1/2" drive tool

30 PC.







KT NO. 6.67 1 / 3

9AE6-6514	65mm(2-9/16")- 14 flutes Fits Nissan, Fiat Champ, Hasting. GM/AC, Wix, NAPA, Purolator, Daihatsu, Toyota, Nissan, etc…
9AE6-6567	65 & 67mm(2-9/16" & 2-21/32")–14 flutes Fits same filters as made in Canada including, PH4386, PH4967, PH6017, PH6018, Daihatsu, Toyota, etc…
9AE6-6606	66 mm(2-19/32")-6 flutes Fiat (Punto, 1.2), Renault (Clio1.2 Express, Kangoo. Rapid. Twingo), etc…
9AE6-6814	68mm(2-11/16")-14 flutes Fits Hastings, Mazda, Ford Escort, Capri, Subaru, Fran, PH6607 (Those Fram Filters Made in Korea), Motorcraft, FL816, etc…
9AE6-7314	73mm(2-7/8")-14 flutes Fits Toyota/Lexus, etc…
9AE6-7415	74mm(2-29/32")-15 flutes MF, Audi (#056-115-561g), GM. Rover, Chrysler, etc…
9AE6-7476	74 & 76mm(2-29/32" & 3")-15 flutes Fits Fram, AC, Saturn, Opel, VW, Audi, Mercedes, etc…
9AE6-7577	75 & 77mm(2-15/16" & 3-1/32")-15 flutes Fits VW, Audi, Casite, GM/AC, Hastings, Wix, NAPA, Ford, Isuzu, Mercedes, Opel, etc…
9AE6-7608	76mm(3")-8 flutes Fiat (z.B. Marea), Lancia (z.B. Delta), etc…
9AE6-7612	76mm(3")-12 flutes Fiat (z.B. Ducato, Scudo, Ulysee), Renault, (Megane, Laguna, Espace III), etc…
9AE6-7614	76mm(3")-14 flutes Fits Champion, Champ Lee, Purolator, Mopar, VW, Porsche, Mercedes, Benz, BMW, Audi (I.B.A3TD) Opel, etc…
9AE6-7630	76mm(3")-30 flutes Fits Motorcraft only-FL400A, Ford, etc…
9AE6-7815	78mm(3-2/32")-15 flutes Nissan (#15028H8991), Ford, Toyota, Honda (Accord), etc…
9AE6-8015	80mm(3-9/64")-15 flutes Fits Opel, Hastings, Fram, Purolator, Nissan, Honda, Motorcraft, Mazda, Isuzu, Subaru filters.
9AE6-8082	80 & 82mm(3-9/64" & 3-7/32")-15 flutes Fits Wix Filters. Branded for:Mazda,Subaru,Toyota,Honda,Acura,Nissan,NAPA.Etc…
9AE6-8616	86mm(3-3/8")-16 flutes Volvo (S40, S60, S70, S80), etc…
9AE6-8618	86mm(3-3/8")-18 flutes VW. Golf. (MKIII. TDi, Passat TDi), Audi A6 TDi, Renault (Clio, Rapid1.9D, Laguna, Safrane, Espace 2.1D), Citroen, Peugeot, Renault, etc…
9AE6-9015	90mm(3-17/32")-15 flutes Fits Honda (Accord). Mitsubishi. Mopar. Isuzu, etc...
9AE6-9210	92mm(3-40/64")-10 flutes Fiat, Cinquecento, Coupe, Croma, DAF, Fiat, Panda, Regata, Ritmo Fiat, Seicento. Tempra, Tipo, Lancia (Beta. Dedra. Kappa. Monte. Carlo. Prisma. Thema. Trevi), etc…
9AE6-9315	93mm(3-21/32")-15flutes Fits Casite, Champ, Champion, GM, Fram, Hastings, Opel, Mazda, Volvo. Mitsubishi, Purolator, Wix, Nissan, VW, Porsche, Renault, Ford, Honda, Audi, etc…
9AE6-9336	93mm(3-21/32")-36 flutes Fits Ford, Motorcraft only-FL1A, (FLA1B, FL300, FL820 Ford), etc…
9AE6-9345	93mm(3-21/32")-45 flutes VW-Audi, (TDi 2.4, 2.6, 2.8L), etc…
9AE6-9515	95mm(3-6/8")-15 flutes Toyota (#15600-41010) Alfa Romeo, GM, Ford, Chrysler.
9AE6-9618	96mm(3-3/4")-18 flutes Audi (A4.A6, TDi), VW (Passat 97 TDi), Renault (Laguna 2.2D, Safrane2.2D. Espace2.2D.R19 2.2D. Rapid. Megane, 1.9/2.1D.TDi), etc…
9AE6-10015	100mm(3-15/16")-15 flutes Fits Fram, Motorcraft, Wix, Isuzu, Mitsubishi, etc…
9AE6-10615	106mm(4-11/64")-15 flutes Fiat (Ducato 2.5D.Td), etc…
9AE6-10815	108mm(4-8/32")-15 flutes Volvo (C70.S70.V70.TDi.TD) (850 TDi. Turbo Diesel)
9AE6-10818	108mm(4-8/32")-18 flutes Renault (Espace, Laguna, Master, Safrane, Traffic 2.4 , 2.5, 2.8D. TD), etc…
9AE433	3 legged oil Filter Tool 65-120mm (2-9/16" to 4"-23/32")
9AE221	Adaptor 3/8"or 1/2"Drive Tool

Oil Filter Socket Set

9AE8006 3/8"

- 3/8" square drive
- The set includes sizes 24, 27, 30, 32, 36 and 38mm
- 6 PC. oil filter sockets designed for removal of oil filter canisters and covers
- Withstands up to 115.2 Nm(85 ft.lbs.)

6 PC.







KT NO.	1.11 12 / 24
9AE8-24	Audi BMW: 5 / 7 Series (N62) V8 engines from 2004 onward Cadillac: ATS 36
9AE8-27	BMW, Ford, Fiat, GM, Renault, VAG, PSA Mercedes-Benz: A-CLASS Nissan: 1.5 / 1.9 / 2.2 / 2.5 dCi engines
9AE8-30	Audi, Skoda, Seat, VW
9AE8-32	GM, VAG BMW: 335D, X5 35d(09~10), X5 xDrive 35d(11~13) Opel / Vauxhall: Astra-G, Corsa-B, Zafira
9AE8-36	Audi: A3 2.0(04~08), A4 2.0(04~08) BMW: M52, M54, M60, M62, M70 & M73 engines Ford: Mondeo 2.0D 16V Dura Torq engines, Transit 2.5 & 2.0 diesel engines Jaguar: 2.2D engines Mercedes-Benz: 116MB engine Vito CDi Mini: R56 Opel / Vauxhall: Omega DL 16V, Vectra 2.0, Zafira VAG: VAG 1.9 SDi (ASY), Golf GTI 2.0, Passat 2.0, VR6 Volvo
9AE8-38	BMW, Volvo Opel / Vauxhall: Vectra 2 liter diesel engines

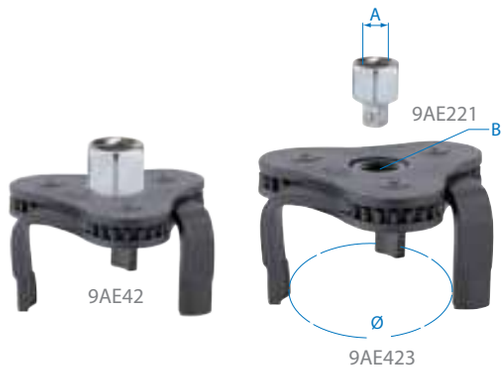


Three-Legs Oil Filter Wrench

9AE42

- The claw-type filter is available for removing all oil filters from 2-1/2" to 4" (63-102mm) in diameter
- Suitable for 3/8" or 1/2" square drive tool
- Coated with electro-black oxide finish for protection against rust
- CW & CCW direction

KT NO.	A inch	B inch	Ø Capacity inch	Ø Capacity mm	g	
9AE42	1/2	3/8	2-1/4~4	63~102	395	12 / 48
9AE221	1/2	3/8	-	-	39	-
9AE423	-	3/8	2-1/2~4	63~102	356	12 / 48
9AE433	-	3/8	2-9/16~4-23/32	65~120	502	12 / 36

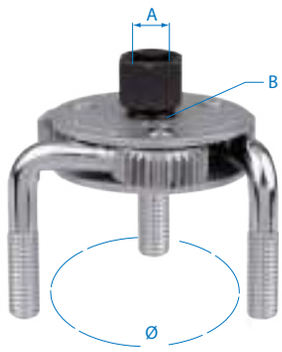


9AE43

- The claw-type filter is available for removing all oil filters from 3" to 4-3/4" (75-120mm) in diameter
- Suitable for 3/8" or 1/2" square drive tool
- Heavy duty design
- CW & CCW direction

KT NO.	A inch	B inch	Ø Capacity inch	Ø Capacity mm	g	
9AE43	1/2	3/8	3~4-3/4	75~120	604	1 / 36



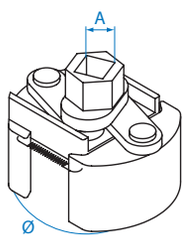


Two Jaws Oil Filter Wrench

9AE52

- The claw-type filter is available for removing all oil filters from 2-3/8" to 3-1/8" (60-80mm) in diameter
- Suitable for using with 1/2" square drive tool
- Lost wax coating with electro-black oxide finish for protection against rust
- Specially teeth designed steel jaws

KT NO.	A inch	Ø Capacity inch	Ø Capacity mm	g	
9AE52	1/2	2-3/8~3-1/8	60~80	470	12 / 16





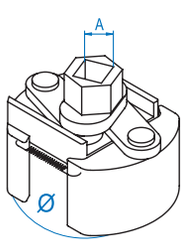




9AE53

- The claw-type filter is available for removing all oil filters from 2-3/8" to 4-1/2" (60-115mm) in diameter
- Suitable for using with 3/8" & 1/2" square drive tool
- Coated with electro-black oxide finish for protection against rust

KT NO.	A inch	Ø Capacity inch	Ø Capacity mm	g	
9AE53-80	3/8	2-3/8~3-1/8	60~80	375	1 / 6
9AE53-115	1/2	3-1/8~4-1/2	80~115	667	1 / 6





Adjustable Oil Filter Pliers

9AE71

- Adjustable sizes from 60 to 140mm
- Serrated jaws

KT NO.	L inch	L mm	Ø Capacity mm	g	
9AE71-90	9	230	60-90	357	12 / 72
9AE71-115	10	260	85-115	400	12 / 60
9AE71-140	14-1/2	365	100-140	897	1 / 20





9AE71-178

- Adjustable sizes from 95 to 178mm
- Serrated jaws makes grip tight
- 8 positions opening





KT NO.	Ø Capacity mm	L inch	L mm	g	
9AE71-178	95-178	19	490	1509.5	1 / 10

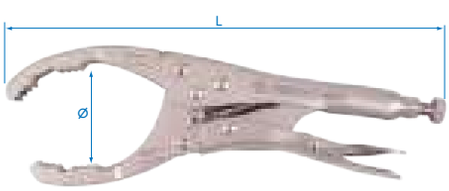
Locking Grip Oil Filter Pliers

9AE72

- Lock and grip oil filters or any irregular shaped object for quick tightening or removal
- Use for adjusting and fastening at any angle

KT NO.	L inch	L mm	Ø Capacity mm	g	
9AE72	10	254	53-118	458	12 / 48





Hose Pinch & Set

9AF11

- Adjustable edges ensure no damage to hose
- For hoses from Ø15 mm up to Ø60 mm
- Suitable for clamping radiator, heater, fuel, coolant and brake hoses







KT NO.	L inch	L mm	Ø Capacity mm	g	
9AF11-15	6-1/8	155	22.4	44	12 / 48
9AF11-30	7-9/32	185	35.4	76	12 / 48
9AF11-60	10	253	65.2	125	12 / 48

9AF113

- Adjustable edges ensure no damage to hose
- For hoses from Ø15 mm up to Ø60 mm
- Suitable for clamping radiator, heater, fuel, coolant and brake hoses

g 245 | 12 / 48

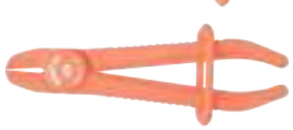
3 PC.



9AF11-60



9AF11-30



9AF11-15

Steel Line Stopper Set

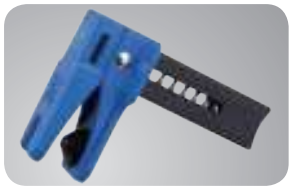
9AF204

- Use to prevent fluid leaks and contamination
- Spring loaded design for stopping the flow of fuel / brake fluid of car pipe
- Capacity :
  Banjo, 5/16"(8mm), 3/8"(9.5mm), and 1/2"(12.7mm)

156 g | 24 / 48



4 PC.






Fuel Gauge & Pump Sender Collar Wrench

9AG11

- Use for removing and fitting fuel gauge sender collars to avoid damage
- 3 jaws to ensure high torque and no risk to damage plastic collar
- Use with 19mm wrench or socket
- Suitable for most collars from 89 to 170mm



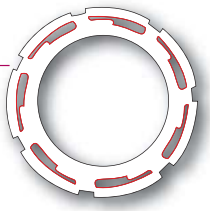


KT NO.	Ø mm	kg	
9AG11	89~170	1.05	1 / 12

9AG12

- Use for removing and fitting fuel gauge sender collars to avoid damage
- 4 pins to ensure high torque and no risk to damage plastic collar
- Suitable for BMW F01/F02/F25, X3 etc…





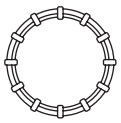
KT NO.	kg	
9AG12	1.05	1 / 12

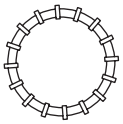
Adjustable Fuel Tank Lid Remover

9AG13

- Use for removing and fitting fuel gauge sender collars to avoid damage
- Special jaws design, no risk to damage plastic collar
- Use with 3/8" DR.
- Suitable for collars from 122 ~ 199mm

560 g | 1 / 24



BMW

BENZ

VW . AUDI
BENZ . BMW

Diesel Injector Extractor Tool

9AN021

- Use to remove injectors without dismantling the engine
- Suitable for Bosch injectors in Mercedes-Benz CDI engines 2.1 L and 2.2 L
- Application : Benz for Vito, Sprinter, Viano, C class, E class, CLC, CLK

2 | 1 / 6

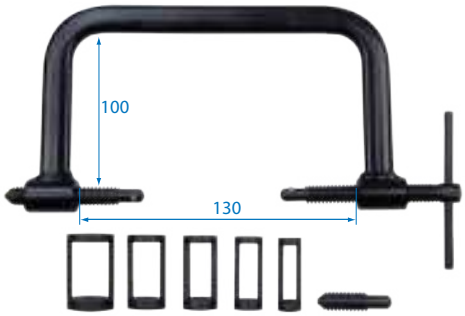


Valve spring compressor set

9AH31

- Use for compress of motorcycle or small engines valve spring
- Adapter size : 16mm, 19mm, 23mm, 25mm and 30mm.
- Capacity : 130mm.
- Throth depth : 100mm

1.31 | 1 / 12



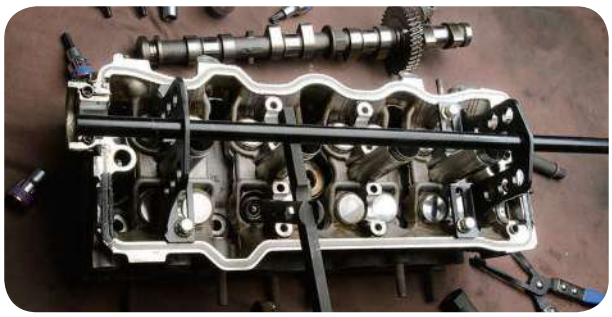
9AH12

- Complete service tool set for OHV & OHC petrol or diesel engines on Audi, Nissan, Toyota, Chrysler, Honda, Mazda, Mitsubishi, Saturn, Lexus, Hyundai, Infiniti, Porsche, Volvo, VW

3.75 | 1 / 5



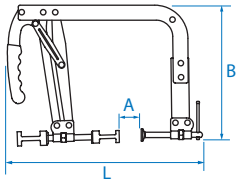
10 PC.



Valve spring compressor set

9AH025

- Suitable for large engines & diesel engines
- Capacity: 35~140mm
- Unique direct action compressor lever gives improved visibility & ease of using in areas of difficult access.
- Dual size in 25 and 30mm adapter





5 PC.





KT NO.	A mm	B mm	L mm	Kg	
9AH025	35~140	280	390	5	1 / 5

Valve Lappers

9AH0311

- For hand lapping valves

100 | 12 / 108

2 PC.





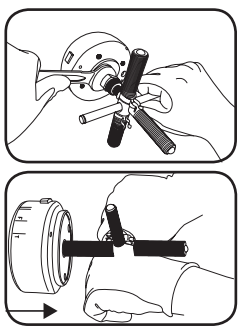
KT NO.	Diameter Cups Size	
9AH0311	1-1/8" (29mm) 5/8" (16mm)	1-3/8" (35mm) 13/16"(21mm)

6 in 1 Fly Wheel Puller

9XAH1

- This tool is designed to offer 6 different sizes for the Flywheel wheel rings on motorcycles.
- Sizes include: M20 x 1.5R / M14 x 1.5R / M16 x 1.5R / M18 x1.5R /| M24 x 1.0R / M27 x 1.0L

730 | 1 / 24

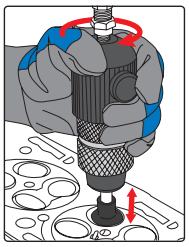




Heavy Duty Air Valve Lapper Set

9AH0321

- Design for operating in tough environments
- Adjustable speed regulator for precise control during operation
- Complete with rubber caps of 20mm, 30mm, 35mm and 45mm





5 PC.

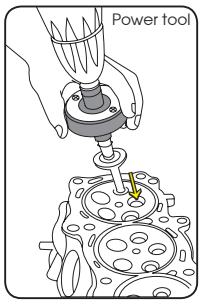
KT NO.	Free Speed R.P.M	Pistone Stroke inch	Pistone Stroke mm	Overall Length inch	Overall Length mm	Air Inlet inch	Air Hose ID	Average Air Consumption Cfm	Average Air Consumption L/min	Kg	
9AH0321	5600	1.1	29	9.0	228	1/4	3/8	2.5	71	1.82	1 / 10

Oscillating valve lapping tool

9AH0331 new

- Facilitates the easy insertion of valves
- Automatic change in direction
- Use with fine grinding paste
- Two different suction cups: 22mm / 28mm
- Working speed(Max):1000rpm

287 g / 10 / 40



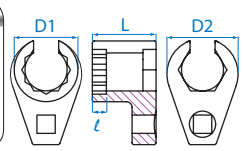


Lambda Oxygen Sensor Socket

9AJ3122 3/8"

- For installing and removing the oxygen sensor
- Offset design for confined areas







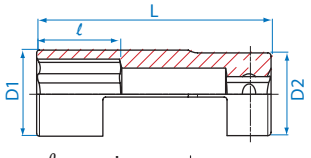
KT NO.	mm	D1 mm	D2 mm	ℓ mm	L mm	g	
9AJ3122	22	34	38	8	34	178	1 / 100

9AJ4322 1/2"

- For lambda probes
- Featuring a slot for the connecting lead







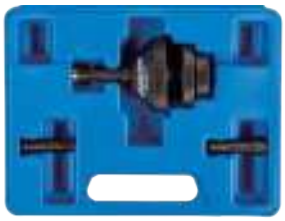
KT NO.	mm	D1 mm	D2 mm	ℓ mm	L mm	g	
9AJ4322	22	32	30	30	85	294	5 / 60

Universal Clutch Aligner Set

9AK11

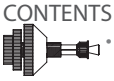
- Designed to make alignment and assembly of clutch
- Specially designed for those vehicles equipped with late-model front wheel drives without pilot bearing in flywheel





3 PC.

CONTENTS :



- 9AK11P03 Ø 23 ~ 27mm
- 9AK11P02 Ø 19 ~ 23mm
- 9AK11P01 Ø 15.5 ~ 20mm

KT NO.	Ø mm	Kg	
9AK11	15.5~27	0.60	1 / 20

Lambda Oxygen Sensor Socket Set

9AJ017 3/8"+1/2"

- 7 PC. special sockets for removal lambda / oxygen sensors
- Suitable for most vehicles : Volkswagen, BMW, PSA, Mercedes-Benz, Ford, etc…

kg 2.33 / 1 / 10







7 PC.

KT NO.	Part.	Size	mm
9AJ4229		1/2"	29
9AJ3322		3/8"	22
9AJ4227		1/2"	27
9AJ3222		3/8"	22
9AJ3127		3/8"	27
9AJ4122		1/2"	22
9AJ3122A		3/8"	22

Self Adjusting Clutch Alignment Setting Tool Set

9AK21

- Prevent damage to system and to keep adapter ring in right position
- Necessary for pre-tensioning self adjusting clutches before removal or installation, avoiding clutch deformation
- Prevents plate distortion
- Suitable for most SAC(Self Adjusting Clutches 3 and 4 holes) equipped on vehicles of FIAT GROUP, VW-AUDI, BMW, MERCEDES, VOLVO, OPEL, RENAULT etc

10.75 | 1 / 2







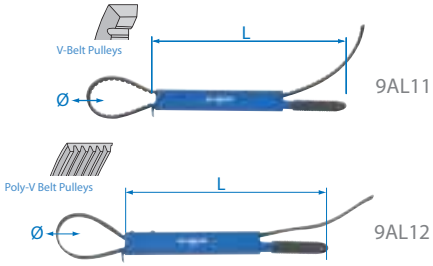
38 PC.

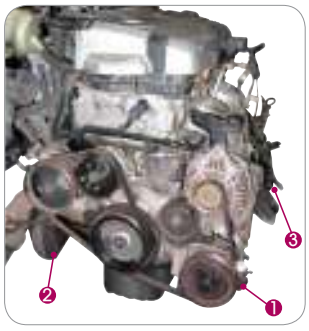
Pulley Removing Wrench

9AL

- To lock the pulley during removing or assembling any type of pulley retaining bolt

KT NO.	L inch	L mm	Ø mm	g	
9AL11	14-3/8	365	40~140	540	12 / 36
9AL12	14-3/8	365	40~140	540	12 / 36







• Compressors



• Water pump pulley



• Alternator pump pulley



• Oil filter removal & assembly

Universal Cooling Pump and Refiller Tool Set

CAUTION DO NOT open the radiator cap on a hot engine

9AM01

- For testing leakage in radiator system
- Vacuum leakage testing and bubble-free refilling
- Special pick hooks to speed up replacement of pipes
- Quick-release coupling on each connections
- Rubber cones with functional diameter 17~40mm

KT NO.	Type		Kg	
9AM010	Japan		3.40	1 / 5
9AM011	USA		3.40	1 / 5
9AM012	Europe		3.40	1 / 5







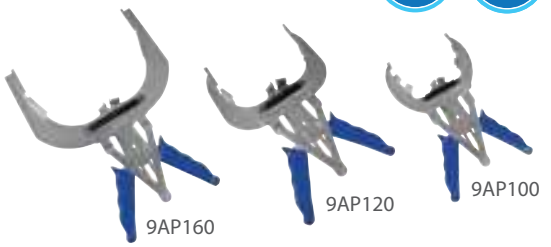
7 PC.

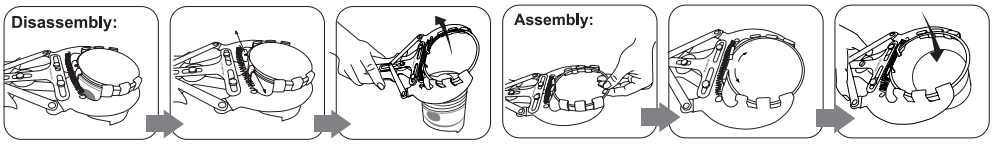
Piston Ring Pliers

9AP

- For removing and mounting piston rings
- Nickel plated

KT NO.	L inch	L mm	Ø Capacity mm	g	pcs/box
9AP100	8-11/32	212	50~100	323	12 / 48
9AP120	8-15/16	227	80~120	354	12 / 48
9AP160	9-61/64	253	110~160	458	12 / 48





Oil Drain Plug Key Set

9AR11

- Suitable for sump plugs on engine, gearbox and back axle
- Contents:
  Hex key socket: H8, H9, H10, H12, H13, H14, H17 mm
  Square socket: 5/16", 3/8", 7, 8, 10, 11, 12, 13, 14 mm
  Torx socket: T45
  Triangular socket: 10mm
  Spline (TAMPER) socket: M16
  Square drive socket: 10mm
  3/8" drive sliding T-handle

Kg 1.70 pcs/box 1 / 10



21 PC.

Plastic Drain Plug

9AR29-S

- Suitable for VW, Audi, Skoda, Seat 1.2/1.4/1.8/2.0 TFSI oil drain plug and 1.6/2.0 TDI diesel engines cam cover plug.
- Use with removal tool 9AR21.
- OEM numbers 06L 103801.

g 13 pcs/box 1 / 144







Drain Plug Removal Tool

9AR21 3/8"

- Use for removing and installing of the plastic oil drain plug on the latest VAG vehicle
- 3/8" DR and HEX 17 mm
- For VW, Audi, Skoda, Seat 1.2/1.4/1.8/2.0 TFSI oil drain plug and 1.6/2.0 TDI diesel engines cam cover plug

g 20 pcs/box 12 / 288





Diesel Injector Puller Set

9AS11

- The set contains M8, M12, M14, M17 adaptor
- Suitable for various vehicles with Bosch and Lucas type diesel injectors
- Remove stubborn diesel injectors easily and quickly
- New M17 adaptor for GM Vauxhall / Opel injectors X20DTH / Y20DTH series engines

kg 1.11 pcs/box 1 / 20



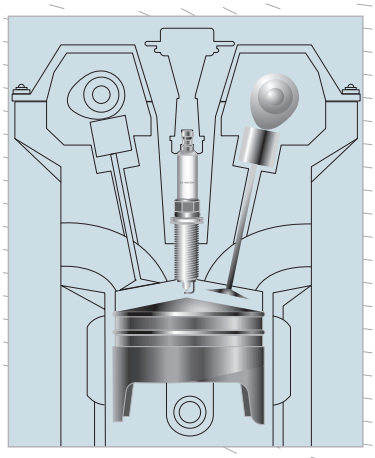




Why spark plugs need torque tightening ?

1. Modern engines cylinder heads are made of aluminium alloy
2. A correct factory-set gaps can provide best performance

Cylinder head material	Thread diameter (mm)				
	M8	M10	M12	M14	M18
Cast iron	-	10~15 Nm	15~25 Nm	25~35 Nm	35~45 Nm
Aluminium	8~10 Nm	10~12 Nm	15~20 Nm	25~30 Nm	35~40 Nm



3/8"	Size (inch)	Size (mm)	Type		Socket L(mm)			
					63	70	90	250
	9 / 16	14	6 pt	Rubber	36B514			
			12 pt	Rubber	36B014		36C014	36D014
			6 pt	Metal clip	367514			
			12 pt	Metal clip	367014			
	5 / 8	16	6 pt	Rubber		363516		
			12 pt	Rubber		363016		
			6 pt	Magnet		366516		
			12 pt	Magnet		366016		
	23 / 32	18	12 pt	Rubber	36B018			
			6 pt	Metal clip	367518			
			12 pt	Metal clip	367018			
	13 / 16	20.8	6 pt	Rubber		363521		
			12 pt	Rubber		363021		
			6 pt	Magnet		366521		
			12 pt	Magnet		366021		

1/2"	Size (inch)	Size (mm)	Type		Socket L(mm)
					70
	9 / 16	14	6 pt	Rubber	463514RC
			12 pt	Rubber	463014RC
	5 / 8	16	6 pt	Rubber	463516R
			12 pt	Rubber	463016R
			6 pt	Magnet	466516
			12 pt	Magnet	466016
	23 / 32	18	6 pt	Magnet	
	13 / 16	20.8	6 pt	Rubber	463521R
			12 pt	Rubber	463021R
			6 pt	Magnet	466521
			12 pt	Magnet	466021



KT NO.	Gear Teeth	Square Drive	Torque Range in. lb. / ft. lb.	Incr.	Torque Range Nm	Incr.
34362-1CG	24	3/8"	40~200 in. lb.	1 in. lb.	5.1~22.0 Nm	0.12 Nm
34362-2CG	32	3/8"	15~80 ft. lb.	0.5 ft. lb.	23.7~105.1 Nm	0.7 Nm

KT NO.	Gear Teeth	Square Drive	Torque Range Nm	Incr.
34362-2DG	32	3/8"	20~100 Nm	0.5 Nm
34362-3DG	32	3/8"	10~60 Nm	0.5 Nm



KT NO.	Square Drive	Torque Range Nm	Torque Range ft. lb.	Total Length kgf.m
34307-1A	3/8"	27~135 Nm	19.9~99.6 ft.lb.	2.75~13.76 kgf.m

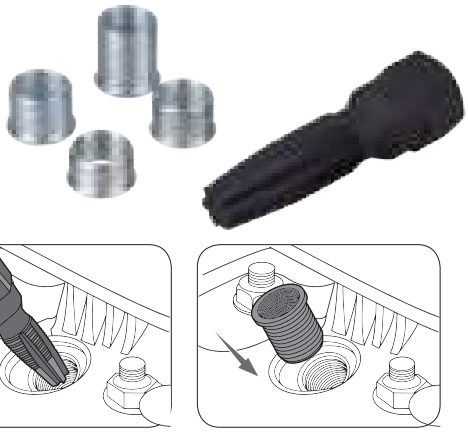


KT NO.	Spec.
3814	3/8"Fx1/2"M

Spark Plug Rethreader Set

11305SQ

- Spark plug rethreader set is used for rethreading damaged spark plug threads in aluminum cylinder heads



KT NO.	Size mm	Type inch		
11305SQ	14	3/8, 7/16, 1/2, 3/4	13	12 / 72
11305SQ01	18	7/16, 1/2, 5/8, 13/16	16	12 / 72

Double Size "L" Handle

1586

- Material : Chrome vanadium alloy steel
- For oil plug





KT NO.	Overall length inch	Overall length mm	Size inch	Size mm		
1586-09	9	230	5/16 x 3/8	8 x 10	320	6 / 48

1596

- Material : Chrome vanadium alloy steel
- For oil plug

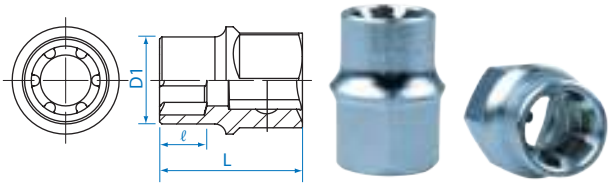


KT NO.	Overall length inch	Overall length mm	Size inch	Size mm		
1596-09	9	230	3/8 x 3/8	10 x 10	290	6 / 48

Ribe Socket M10S

9AW4911 1/2"

- 6 points
- Use for replacing and removing idler pulley center screw on TOYOTA ALTIS

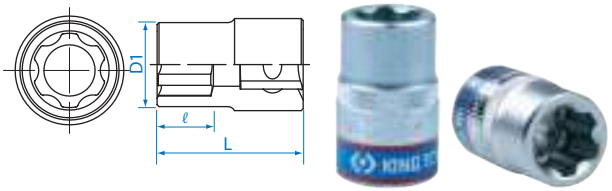


KT NO.	D1 mm	ℓ mm	L mm		
9AW4911	19	10	33.8	16	10 / 200

Ribe Socket M12S

9AW4901 1/2"

- 6 points
- Use for replacing and removing engine head screw and flywheel center screw on NISSAN models



KT NO.	D1 mm	ℓ mm	L mm		
9AW4901	22	14	38	15	10 / 200

Bearing Race and Seal Driver Set

9BA11

- Quick and easy to insert bearing race
- Collars fit most standard wheel bearing sizes
- Helps reduce damage to both race and axle housing
- 9 collar sizes:
  (1)1.574"/40mm (2)1.732"/44mm
  (3)1.968"/50mm (4)2.322"/59mm
  (5)2.480"/63mm (6)2.559"/65mm
  (7)2.834"/72mm (8)2.992"/76mm
  (9)3.189"/81mm

1.8 kg 1 / 10





10 PC.



Universal Bearing Ring Puller

9BA41

- Three jaws with the thin edge provide an equal grip tension to avoid any slide or tilt
- Suitable for all kind of bearing and sleeves diameter 10 to 125mm
- Applicable: For universal vehicles



- Adjustable slide knob for quick control locking

KT NO.	Ø Capacity mm	kg	
9BA41	10~125mm	3.6	1 / 4

Hose Clamp	KT Item	Suitable Car Brand
 CV Boot Clamp	9BB11 	VW, Audi, BMW, Ford, GM, Opel, Nissan, Mercedes- Benz, Mazda, Honda, Chrysler, Citroen, Seat
 Ear Clamp	9BB12 	
	9BB13 	
 CV Boot Clamp	9BB31 	Universal

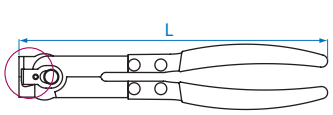
Ear Hose Clamp Pliers

9BB11

- Use to remove and install ear clamp
- Special hook jaw easy to hold clamp in position
- Suitable for CV joint boot, vacuum lines, and cooling system







KT NO.	L inch	L mm	A max mm	g	
9BB11	10	260	22.5	364	12 / 48

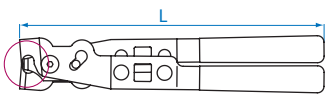
CV Boot Clamp Pliers

9BB12

- Use to remove and install stainless CV boot clamp
- Can be used with 1/2" flexible handle bar or torque wrench
- Suitable for Audi, Opel, Citroen, SEAT, BMW, Mercedes-Benz, Honda, Nissan, Mazda, Ford, GM, Chrysler







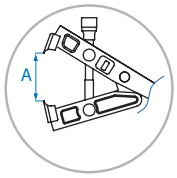
KT NO.	L inch	L mm	A max mm	g	
9BB12	9-1/2	235	12	512.4	6 / 36

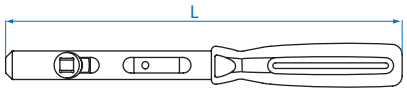
CV Boot Clamp Pliers with Socket

9BB13

- Used to remove and install stainless CV boot clamp
- Can be used with 3/8" flexible handle bar or torque wrench
- Suitable for Audi, Opel, Citroen, SEAT, BMW, Mercedes-Benz, Honda, Nissan, Mazda, Ford, GM, Chrysler





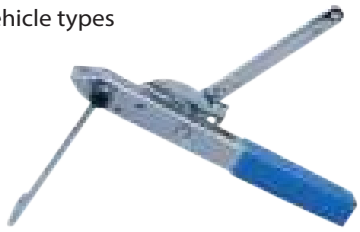
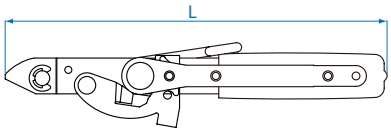


KT NO.	L inch	L mm	A max mm	g	
9BB13	11	278	45	888	6 / 24

CV Boot Clamp Installer

9BB31

- Used to cut and install clamp with built-in cutting arm
- Includes locking device and ratchet function
- Suitable for general vehicle types

Lock



Cut



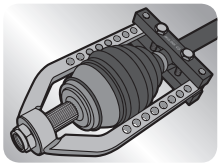
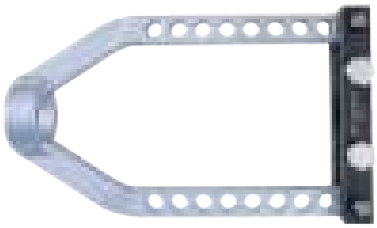
KT NO.	L inch	L mm	g	
9BB31	6-1/2	124	347	12 / 36

CV Joint Assembly Removal Tool

9BB42 new

- Separates the CV Joint from the axle without removing the drive shaft
- Reduces the risk of damaging the transmission, or the CV joint
- Multiple hole pattern allows adjustment to different depths
- Suitable for most vehicles equipped with Constant Velocity U-joints

Kg 1.77 / 1 / 10

Exhaust Pipe Hanger

9BP11

- Used to remove rubber holders from exhaust brackets
- Suitable for general vehicle types

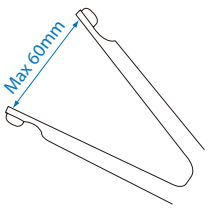



KT NO.	L inch	L mm	A max mm	g	
9BP11	10	250	60	339	12 / 36

Exhaust Clamp Pliers

9BP21 new

- Used to remove and install exhaust clamps
- Include spring and locking mechanism
- Suitable for Citroen/Peugeot, Renault and prizing open types of exhaust clamps



KT NO.	L inch	L mm	A max mm	g	
9BP21	12	300	60	496	12 / 36

Handbrake Cable Pliers

9BC11

- For hand brake cable removal and replacing
- Suitable for Audi, Bmw, Citroen, Nissan, Peugeot, Seat, Renault, Rover, etc





KT NO.	L inch	L mm	A max mm	B mm	g	
9BC11	9	230	60	5	198	12 / 48

Disc Brake Piston Separator

9BC21

- Heavy duty drop forged construction
- Fits in brake caliper to push back pistons for new brake pads installation





KT NO.	Max capacity inch	Max capacity mm	g	
9BC21	2-7/8	75	1130	1 / 20

Drum Brake Spring Pliers

9BC121

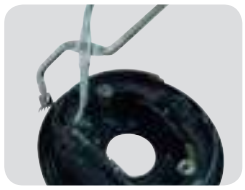
9BC122

- Designed to remove and replace brake retaining spring on drum brakes





9BC121





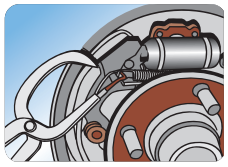
9BC122

KT NO.	L inch	L mm	g	
9BC121	8-1/2	215	230	12 / 72
9BC122	12-1/2	320	426	12 / 36

HGV Drum Brake Spring Pliers

9BC124

- Designed to remove and replace brake retaining spring on drum brakes
- Extra strong version for HGV air or hydraulic drum brakes





KT NO.	L inch	L mm	g	
9BC124	20-5/8	525	1250	3 / 6

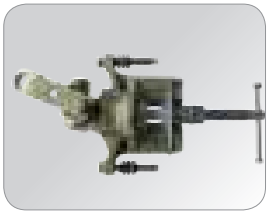
Universal Disc Brake Wind-Back Tool Set

9BC22

- Magnetic socket adapter
- Including 9 adapters for brake assemblage
- For rotating pistons back into caliper to provide clearance for new pads
- Prevents damage to the piston and boot
- Suitable for V.W.-audi, Ford, Nissan, Alfa romeo, Rover, Saab, Subaru, Toyota, Jaguar, and most of the general motors

kg 2.87 1 / 6

11 PC.





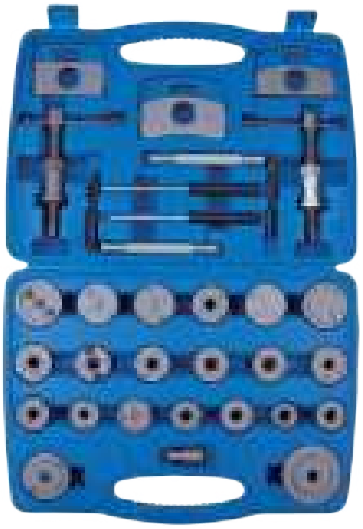
Universal Disc Brake Wind-Back Tool Set

9BC23

- For rotating pistons back into caliper to provide clearance for new pads
- Prevents damage to the piston and boot
- Suitable for Bmw, Ford, Vw, Audi, Porsche, Saab, Opel, Volvo, Jaguar, Citroen, Peugeot, Renault, Lauxhall, Lancia, Alfa romeo, Fiat, Nissan, Honda, Subaru, Toyota, Mitsubishi
- Contents:
  21 PC. Adapters for brake assemblage
  3 PC. Backing pads
  2 PC. Rotating caliper with 3/8"DR (right/left side threaded)
  2 PC. Hex key: 7, 8mm
  2 PC. Pin punch : Ø 5.5, 6mm
  1 PC. 3/8"DR x 12mm hex key socket

4.87 / 1 / 4

31 PC.











Brake Caliper Piston Tool

9BC24A

- For rotating pistons back into caliper to provide clearance for new pads
- Fast and easy to use, prevents damage to the piston and boot
- Fits most European and Japanese vehicles



4 PC.

KT NO.	Capacity A(mm)	Capacity B(mm)		
9BC24A	22	33	700	5 / 30

Pneumatic Disc Brake Wind-back Tool Set

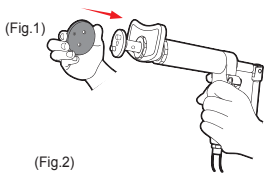
9BC25

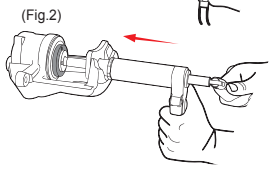
- Air operated ram applies pressure to caliper piston, while the handle is rotated by hand
- Easy to use- works on standard workshop air supply
- Reversible- works on both RH and LH applications
- Can be used on wind back and push back piston
- Supplied with adaptor, which covers a wide range of popular vehicles
- Full range of additional specialist adaptors available
- Suitable for Mercedes-Benz, Bmw, Audi, Vw, Opel, Volvo, Jaguar, Citroen, Fiat, Peugeot, Alfa romeo, Saab, Lancia, Toyota, Honda, Nissan, Mitsubishi, Isuzu, Mazda, Subaru, Gm, Ford, Rover

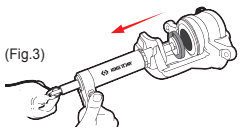
3.20 / 1 / 5

18 PC.









Universal Disc Brake Wind-Back Tool Set

9BC26

- Prevents damage to the piston and boot
- For rotating pistons back into caliper to provide clearance for new pads
- Suitable for FORD, ROVER, HONDA, MERCEDES, TOYOTA, VW-AUDI, NISSAN, BMW, MAZDA, MITSUBISHI

1.38 | 1 / 12



7 PC.

Brake Bleeder Valve Collection Bottle

CAUTION Always keep the tool clean after using

9BC31

- Easy to operate and inspect the brake bleeder valve by one person
- Capacity : 800 ml
- Use for separating the air in the brake oil and replace the brake fluid

280 | 1 / 4



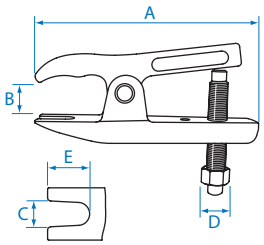




Ball Joint Extractor

9BE11

- Drop forged steel body





KT NO.	A mm	B(mm) Max	B(mm) Min	C mm	D mm	E mm		
9BE11	160	50	12	19	19	25	1080	1 / 12

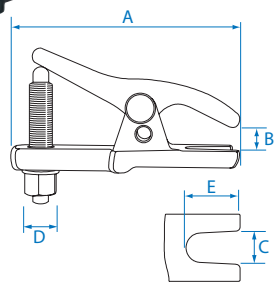
9BE21

- Special design 2 stage operation, suits most cars and light trucks ball joints in steering & suspension
- Suitable for most European and Japanese vehicles







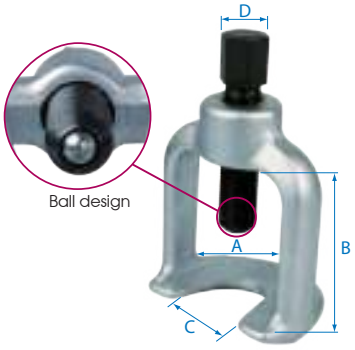


KT NO.	A mm	B(mm) Max	B(mm) Min	C mm	D mm	E mm		
9BE21	160	50	12	20	22	32	1270	1 / 12

9BE4

- For quick and easy separation of ball joint pivots of pitman arms, steering tie rods, ball joints, etc
- Suitable for general trucks and vehicles
- For better safety operation & avoid damage





KT NO.	A mm	B mm	C mm	D mm		
9BE41	36	40	18	17	364	1 / 36
9BE42	46	48	23	17	558	1 / 36
9BE43	62	62	29	19	925	1 / 12
9BE44	64	76	40	24	1658	1 / 12
9BE45	77	100	46	24	1858	1 / 12

Impact Ball Joint Separator

9HBE4

3/4"

- Use for quick separation of ball joint for heavy goods vehicle
- Extra deep design for tight space
- Use with impact tools





KT NO.	A mm	B mm	g	
9HBE4-30	30	95	2320	1 / 6
9HBE4-39	39	95	2320	1 / 6
9HBE4-47	47	95	2320	1 / 6

KT NO.	A mm	B mm	g	
9HBE4-58	58	120	4200	1 / 6
9HBE4-62	62	120	4200	1 / 6
9HBE4-67	67	120	4200	1 / 6

Heavy Goods Vehicle Ball Joint Separator

Size (mm)	Application
30	BMW (E39), Benz(W203/W210/W211/W220/W221), Mitsubishi Delica, Canter, Toyota Dyna etc…
39	"4 tons and European truck: Scania, Benz, MAN 414 drag link and Hino etc..."
47	"8.8 tons~10.5 tons truck: Hino, Isuzu, Nissan, UD,Fuso etc..."
58	Scania etc…
62	"15 tons~35 tons: Hino, Isuzu, Nissan, Fuso truck and bus etc…"
67	MAN(FE410A) etc…





Hydraulic HGV Ball Joint Separator & Set

9HBE81

- Use for separating ball joint for heavy goods vehicles
- Design for operating manually or by 12 tons hydraulic ram
- Strengthen fork and lever for greater force to be applied

7.00 kg 1 / 2

3 PC.



capacity

Jaw opening	70mm
Jaw width	36mm





9HBE083

- Use for separating ball joint for heavy goods vehicles
- Design for operating manually or by 12 tons hydraulic ram
- Interchangeable jaws width : 30 / 34 / 40mm

8.50 kg 1 / 2

5 PC.



Jaw Opening size : 30, 34, 40 mm





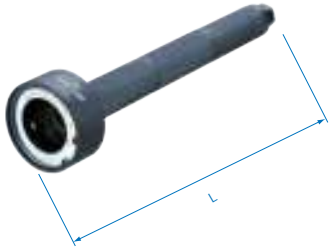


Track Rod End Remover & Installer

9BE52

- Removes and replaces the axial joint
- Hex part on the end of tool : works with 27 mm wrench or 1/2" DR. ratchet





KT NO.	L inch	L mm	Ø Capacity mm	g	
9BE52	15-3/4	400	35~45	2140	1 / 10

Universal Adjustable Wheel Bearing Lock Nut Wrench

9HBN01 3/4"

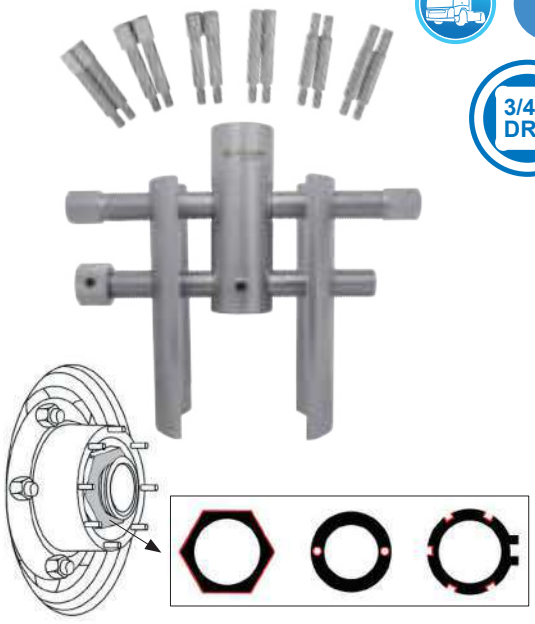
- For disassemble and assemble vario nut and cap
- Extra slim design suitable to reach narrow space for special nut
- Use with 3/4" DR. tools and suggest to lock by torque wrench
- Application for 6PT, 8PT and round nut
- Adjustable open jaw 50~150mm

Contents:
3 pairs round adapter for round nut : 6mm, 8mm ,10mm
3 pairs square adapter for round nut : 1/4", 5/16", 3/8"

3.68 kg 1 / 5

13 PC.

3/4" DR.



Multi-Purpose Inner Tie Rod Tool

9BE62 9BE63 1/2"

- Use for replace inner tie rod ends without removing the rack and pinion
- Internal serrated design to make grip tight
- Use with ratchets and extensions by 1/2" DR.
- Suitable for most vehicles & trucks



KT NO.	L inch	L mm	Ø Capacity mm	g	
9BE62	3-1/4	81.50	33~42	370	24
9BE63	3-7/16	87.56	42~50	404	24





Drop Forged Coil Spring Compressor Set

9BF11

9BF21

- Drop forged SCM435 jaws & leaded screws
- Both 21mm 6-point sockets and 1/2" wrench are available
- Suitable for limited space under wheel arch

6 PC.



9BF11



9BF21





KT NO.	L mm	⬡	⬢ mm	kg	
9BF11	85 / 370	1/2"	21	2.40	1 / 6
9BF21	85 / 270	1/2"	21	3.36	1 / 6

Coil Spring Compressor Set

9BF31

- Developed for "Macpherson" suspensions, using a range of 3 sets interchangeable monobloc forks
- Spring specification / use :
  A : Ø80~115mm
  B : Ø110~150mm
  C : Ø140~195mm
- Suitable for BMW, Ford, VW, Audi, Porsche, Saab, Opel, Volvo, Nissan, Honda, Mitsubishi, Subaru, Toyota

8 PC.









KT NO.	L mm	Capacity mm	kg	
9BF31	460	40~300	15.00	1 / 1

Steering Wheel Puller Set

9BG11

- Easy to remove and install steering wheel for cars and trucks
- 2 sets 17mm hex head puller with pointed and flat cups
- 4 sets side bolts
- Small plate Dia. :
  1"~3-11/16" 25~95mm
- Large plate Dia. :
  1-1/8"~5" 28~125mm
- Side bolts size :
  3 PC. 5/16" UNC x 3-1/2" lon g puller bolts
  3 PC. 5/16" UNF x 3" long puller bolts
  3 PC. 3/8" UNC x 3" long puller bolts
  3 PC. 3/8" UNF x 3" long puller bolts

kg 4.10 / 1 / 6



18 PC.



Multi-Steering Knuckle Spreader Tool Set

9BJ11

- Used to spread the steering knuckle to enable the removal and fitting of shock absorbers without the risk of damaging the aluminum or cast iron knuckle
- The tool is adjustable and suitable for steering knuckles with either a centralized slot or a non centralized slot
- Wide range of vehicle applications
- Designed for twin ball joints as fitted to Audi and VW control arms
- Suitable for strut clamping bores on Audi, VW, BMW, Ford, Peugeot, Citroen, Renault, Seat, Skoda

kg 1.05 / 1 / 12

15 PC.







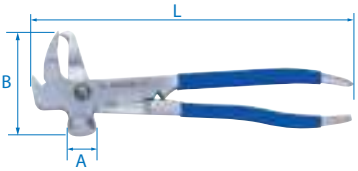


Wheel Balancing Weight Tool

9BK11

- Ideal for fitting and removing wheel balance weights





KT NO.	L inch	L mm	A mm	B mm	g	pcs / box
9BK11	10	250	22	86	420	10 / 50

Wheel Stud Alignment Guide Tool Set

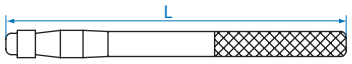
9BK2008

- Easy to remove and install wheels with lug bolts
- 4 pairs of metric threaded pin allow to hang wheel safety
- Suitable for BMW, Mercedes, Renault, VW, Audi...



8 PC.

CONTENTS :
- 2 PC. M12 x 1.25
- 2 PC. M12 x 1.5
- 2 PC. M14 x 1.25
- 2 PC. M14 x 1.5



KT NO.	L mm	g
9BK2008	150	990





Tire Valve Installer

9BK31

- Use for replacement and fitting tire valves
- Composite body prevents damage onto alloy wheel
- 180 degree pivoting head
- 310mm plastic handle



9BK31
g 118 pcs / box 12 / 144

9BK32



9BK32
g 353 pcs / box 6 / 48







- For removal & installing valve cores

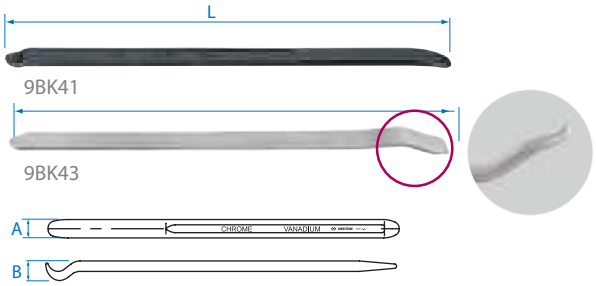
Tire Lever

9BK41

9BK43

- Straight pattern with profiled shank



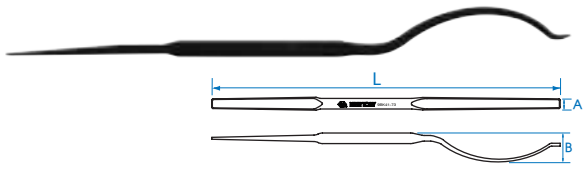


KT NO.	L inch	L mm	A mm	B mm	g	pcs / box
9BK41-20	8	200	21.6	11	104	10 / 50
9BK41-28	11	280	22.7	13.5	239	10 / 50
9BK41-38	15	380	24.5	13.5	358	10 / 50
9BK41-53	21	530	28	12	928	10 / 20
9BK41-65	25	650	30	15	1075	10 / 20
9BK43-65	25	650	30	15	1100	10 / 20

Tire Lever

9BK41-73

- To install and remove the tire from wheel rim
- Precision forged with greater leverage design
- Special design for 17" to 22.5" tire



KT NO.	L inch	L mm	A (mm)	B (mm)	g	
9BK41-73	28-3/4	730	22	64.4	1618	1 / 10

TPMS Torque Assist Tool Set

9BK51



- Use to install / change TPMS sensor and tyre valve
- Rotary slide bar design avoids tightening with overloaded torque
- Torque screwdriver with ± 5% tolerance
- Quality meets DIN ISO 6789 & ASME B107.300-2010

• **Contents :**

2033 1/4"DR x T10, T15, T20 torx bit socket
2235M 1/4"DR x 11, 12, 13mm deep socket
2221-02 1/4"DR x 2" extension bar
2752-45G 1/4"DR. T handle swivel head reversible ratchet
34101-040M Valve core torque tool (0.45N.m)
341214M 1/4"DR. Preset torque T-DRIVER (1.4 N.m)
34211-3DG 1/4"DR. Torque Screwdriver (4~9 N.m)

1.53 / 1 / 10



11 PC.

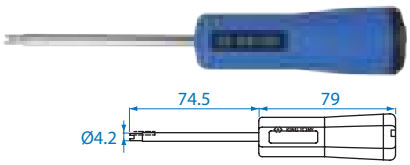
Tire Valve Core Remover / Installer Torque Screwdriver

34101-040M

- Preset torque setting in order to remove & install valve cores correctly
- Prevent overloaded torque to cause damage on valves sensor cores
- Preset torque is 0.45 N.m (4.0 Inch/lbs)
- Ergonomics design with TPR handle

82 / 24 / 96

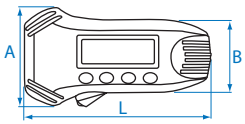




Digital Tire Gauge

9BM120

- Tyre pressure gauge specification :
  Unit range :
  0-100 psi / 0~7.0 bar / 0~7.0 Kgf-cm² / 0~700 kpa
  Display resolution :
  0.1 psi / 0.01 bar / 0.01 Kgf-cm² / 0.01 kpa
- Tread depth gauge specification :
  Unit range : 0-22mm / .8"(Gauge : mm / inch)
  Display resolution : 0.01mm / .001"
  Accuracy : ± 1%









KT NO.	A mm	B mm	L mm	g	
9BM120	53	38	101	53	12 / 96

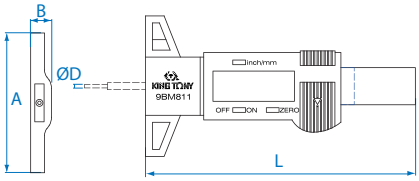
Digital Tire Tread Depth Gauge

9BM811 new

- Digital large LED LCD screen display
- Material : ABS Plastic, stainless steel needle
- One-touch switch between Metric / Inch system interchange
- Zero setting at any position
- Mini size, hand-held and portable
- Unit range : 0-25.4mm / 0-1”
- Display resolution : 0.01mm / .0005”





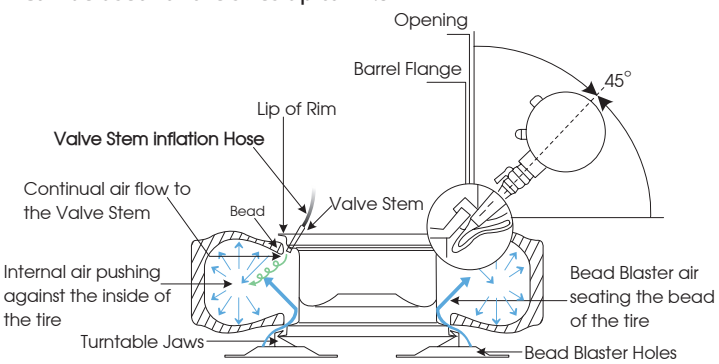


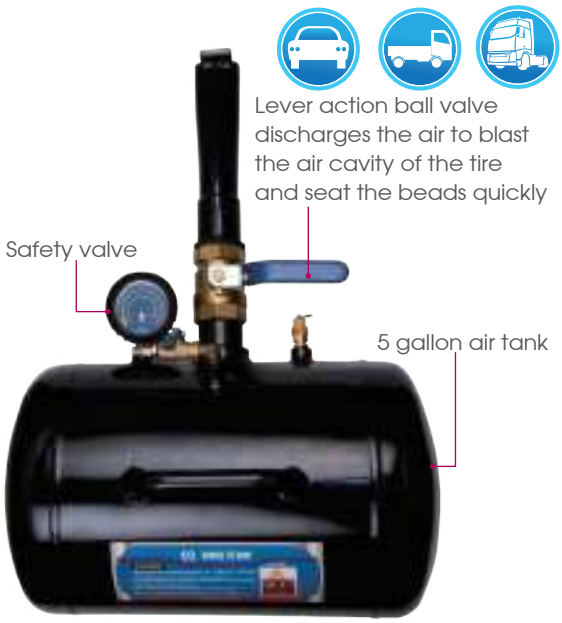
KT NO.	ØD mm	A mm	B mm	L mm	g	
9BM811	3	60	9	116	39.6	25 / 100

Tire Air Bead Seater

9HBL

- Capacity : 5 Gallon
- Used for seating tires for cars, trucks, ATVs, tractors
- Air gauge for easy and accurate air volume readings
- Can be used for tire sizes up to 24.5"





KT NO.	Type	Capacity	Max. pressure	kg	
9HBL11-05	America	5 gallon (20 L)	145 PSI (10 bar)	11.0	1
9HBL12-05	Europe				

3-In-1 Inflator

9BM

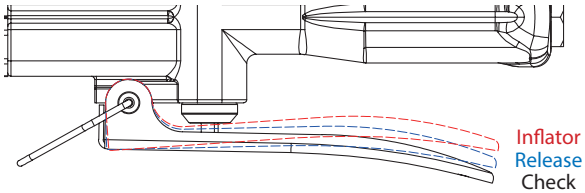
- Diaphragm pressure gauge
- Accuracy : ANSI B40.100 ± 3% ~ ± 2% ~ ± 3%
- Special rubber housing protects manometer against light impacts
- 3 functions(check, release, inflator) all together on the press handle
- Variable trigger, two control position inflate / deflate leve
- Flexible 400MM high pressure rubber hose with clip-on air tire chuck
- Pressure range : 0-160 PSI (9BM21) / 0-220 PSI (9BM22)
- Built in hang-up hook allows easy storage

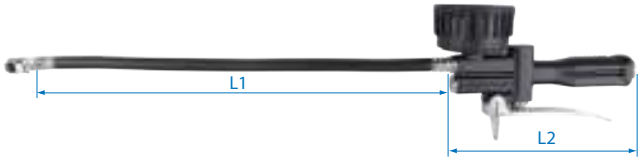


9BM2110
9BM2111
9BM2210
9BM2211



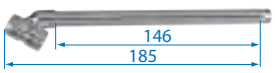
9BM2210A
9BM2211A







9BM2-01



9BM2-02

KT NO.	Pressure range (Psi)	Air Inlet (BSPT/NPT)	L (mm) L1	L2	Air hose (ID)	g	
9BM2110	160	1/4" BSPT	Ø13 x 400	180	3/8"	500	1 / 12
9BM2111	160	1/4" NPT	Ø13 x 400	180	3/8"	500	1 / 12
9BM2210	220	1/4" BSPT	Ø13 x 400	180	3/8"	520	1 / 12
9BM2211	220	1/4" NPT	Ø13 x 400	180	3/8"	520	1 / 12
9BM2210A	220	1/4" BSPT	Ø13 x 400	180	3/8"	600	1 / 12
9BM2211A	220	1/4" NPT	Ø13 x 400	180	3/8"	600	1 / 12
9BM2-01	(included in all 9BM series)		20		-	25	-
9BM2-02	(included in 9BM2210A & 11A only)		185		-	105	-

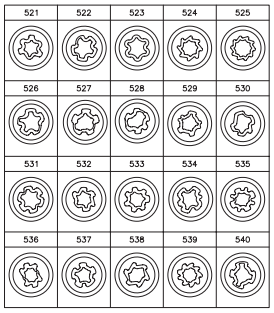
Wheel Lock Screw Socket Set

9BW0120 VW

- Used to permit servicing of customer vehicles, even lose the key
- Applicable for installing and removing locks of most VW models
- Chrome molybdenum, alloy steel chrome plated
- Work with 17mm hex tool
- Contents :
  #521,#522,#523,#524,#525,#526,#527,#528,#529,#530,#531,#532,#533,#534,#535,#536,#537,#538,#539,#540

2.9 | 1 / 5

20 PC.



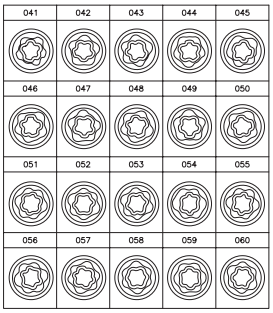


9BW0220 BMW

- Used to permit servicing of customer vehicles, even lose the key
- Applicable for installing and removing locks of most BMW models
- Chrome molybdenum, alloy steel chrome plated
- Work with 17mm hex tool
- Contents :
  #041,#042,#043,#044,#045,#046,#047,#048,#049,#050,#051,#052,#053,#054,#055,#056,#057,#058,#059,#060

1.94 | 1 / 5

20 PC.



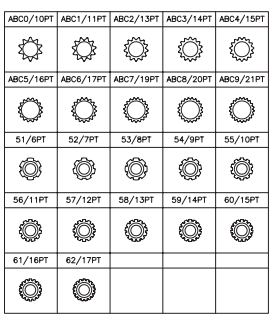


9BW0123 VW

- Used to permit servicing of customer vehicles, even lose the key
- Applicable for installing and removing locks of most VW models
- Chrome molybdenum, alloy steel chrome plated
- Contents :
  #51/6PT, #52/7PT, #53/8PT, #54/9PT, #55/10PT, #56/11PT, #57/18PT, #58/13PT, #59/14PT, #60/15PT, #61/16P, #62/17PTT, #ABC0/10PT, ABC1/11PT, ABC2/13PT, ABC3/14PT, ABC4/15PT, ABC5/16PT, #ABC6/17PT, ABC7/19PTABC8/20PT, ABC9/21PT, #494517M (1/2"DR. x 17mm)

1.57 | 1 / 10

23 PC.



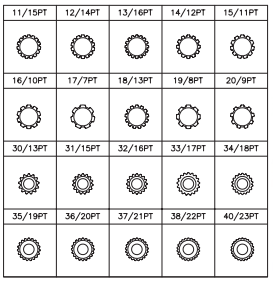


9BW0221 BMW

- Used to permit servicing of customer vehicles, even lose the key
- Applicable for installing and removing locks of most BMW models
- Chrome molybdenum, alloy steel chrome plated
- Contents :
  #30/13PT, #31/15PT, #32/16PT, #33/17PT, #34/18PT, #35/19PT, #36/20PT, #37/21PT, #38/22PT, #40/23PT, #13/16PT, #12/14PT, #11/15PT, #16/10PT, #15/11PT, #14/12PT, #19/8PT, #18/13PT, #17/7PT, #20/9PT, #494517M (1/2"DR. x 17mm)

1.48 | 1 / 10

21 PC.



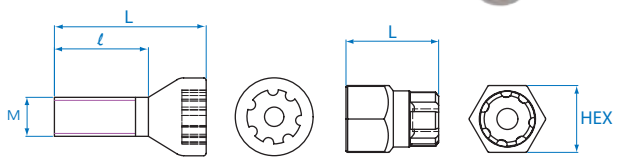


Locking Nuts & Bolt

WSB01

- Long Bolt



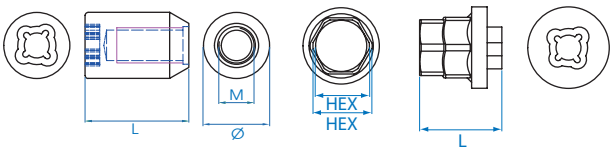


KT NO.		HEX	Thread M	ℓ mm	L mm
WSB012802-5		-	M12 x 1.5	28	47
		13/16	-	-	29
WSB013006-5		-	M14 x 1.5	30	49
		13/16	-	-	29

WSN04

- Long Lock Nut



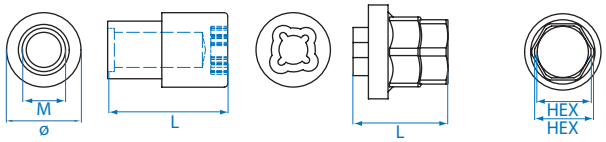


KT NO.		HEX	Ø	Thread M	L mm
WSN043601-5		-	23	M12 x 1.25	36
		19 x 13/16	-	-	28
WSN043602-5		-	23	M12 x 1.5	36
		19 x 13/16	-	-	28

WSN14

- Lock Nut



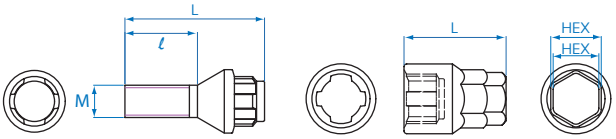


KT NO.		HEX	Ø	Thread M	L mm
WSN143601-5		-	23	M12 x 1.25	36
		19 x 13/16	-	-	28
WSN143602-5		-	23	M12 x 1.5	36
		19 x 13/16	-	-	28

WSB02

- Cone Seat Bolt Lock





KT NO.		HEX	Thread M	ℓ mm	L mm
WSB022701-5		-	M12 x 1.25	27.5	52.5
		17 x 3/4	-	-	38

- Material - chrome molybdenum alloy steel
- Finishing - phosphate sunk

Impact Socket for Hybrid Wheel Bolts Mercedes-Benz

9BW4501

- Durable outer sleeve protects polished wheels and lug nut
- Suitable for Hybrid wheel bolts on e.g. MERCEDES-BENZ C-Class type 204, 204X E-Class type 211, 212, 207 SLK type 172 M-Class type 164, 166 S-Class type 221, 222 CL-Class type 216



KT NO.	Size mm	D1 mm	D2 mm	ℓ mm	L mm	g	
9BW4501	17	26.4	30	26	85.5	229	5 / 60

Impact Socket for Special Profile Wheel Bolts

9BW4502

- Durable outer sleeve protects polished wheels and lug nut
- Suitable for Wheel nuts with special profile 21 mm on HYUNDAI i30, Tucson and KIA



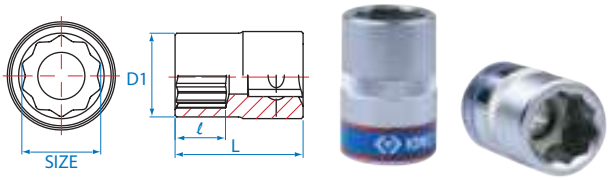
KT NO.	Size mm	D1 mm	D2 mm	ℓ mm	L mm	g	
9BW4502	21	28.5	30	26	85.5	252	5 / 60

10 Point Socket 20MM

9BW4801

1/2"

- 1/2"drive
- 10 points
- Use for replacing and removing retaining screw on rear trailing arm on HONDA CR-V



KT NO.	mm	D1 mm	ℓ mm	L mm	g	
9BW4801	20	25	15	38	88.0	10 / 160

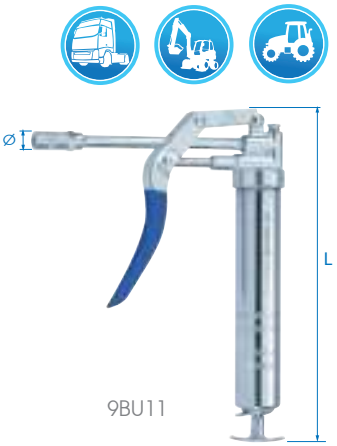


Lubrication-Grease Gun

9BU11

- Ideal for machine, automobile, farm and garden equipments, other vehicles etc.





KT NO.	L inch	L mm	Ø Screw thread	Working pressure PSI	Working pressure bar	Burst pressure PSI	Burst pressure bar	Capacity c.c.	Capacity oz	Kg	
9BU111	10-5/8	267	1/8" x 28 PT	2900	200	4000	275	120	3	0.61	1 / 30
9BU112	10-5/8	267	10 x 1.0 Metric	2900	200	4000	275	120	3	0.61	1 / 30

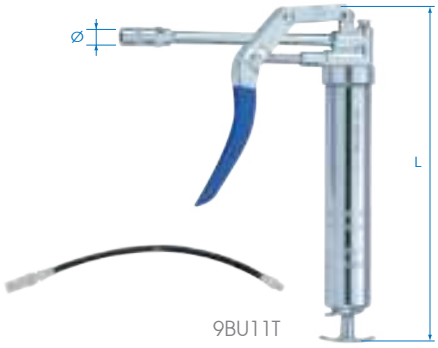
9BU111 For general market except North America, Germany, South Africa, Egypt
9BU112 For Germany, South Africa, Egypt, etc.

Lubrication-Grease Gun with 12" Tube

9BU11T | 9BU143T | 9BU153T

- Ideal for machine, automobile, farm and garden equipments, other vehicles etc.







KT NO.	L inch	L mm	Ø Screw thread	Working pressure PSI	Working pressure bar	Burst pressure PSI	Burst pressure bar	Capacity c.c.	Capacity oz	Kg	
9BU111T	10-5/8	267	1/8" x 28 PT	2900	200	4000	275	120	3	0.68	1 / 30
9BU112T	10-5/8	267	10 x 1.0 Metric	2900	200	4000	275	120	3	0.68	1 / 30
9BU1431T	10-5/8	267	1/8" x 28 PT	4500	310	8000	560	400	14	1.36	1 / 12
9BU1432T	10-5/8	267	10 x 1.0 Metric	4500	310	8000	560	400	14	1.36	1 / 12
9BU1531T	10-5/8	267	1/8" x 28 PT	4500	310	8000	560	500	16	1.58	1 / 12
9BU1532T	10-5/8	267	10 x 1.0 Metric	4500	310	8000	560	500	16	1.58	1 / 12
9BU111T / 9BU1431T / 9BU1531T	For general market except North America, Germany, South Africa, Egypt										
9BU112T / 9BU1432T / 9BU1532T	For Germany, South Africa, Egypt, etc.										

Lubrication-Grease Gun

9BU2

- Ideal for machine, automobile, farm and garden equipments, other vehicles etc.





KT NO.	L inch	L mm	Ø Screw thread	Working pressure PSI	Working pressure bar	Burst pressure PSI	Burst pressure bar	Capacity c.c.	Capacity oz	Kg	
9BU241	14	360	1/8" x 28 PT	4500	310	10000	700	400	14	1.18	1 / 16
9BU242	14	360	10 x 1.0 Metric	4500	310	10000	700	400	14	1.18	1 / 16
9BU251	14.2	365	1/8" x 28 PT	4500	310	10000	700	500	16	1.52	1 / 16
9BU252	14.2	365	10 x 1.0 Metric	4500	310	10000	700	500	16	1.52	1 / 16
9BU241 / 9BU251	For general market except North America, Germany, South Africa, Egypt										
9BU242 / 9BU252	For Germany, South Africa, Egypt, etc.										

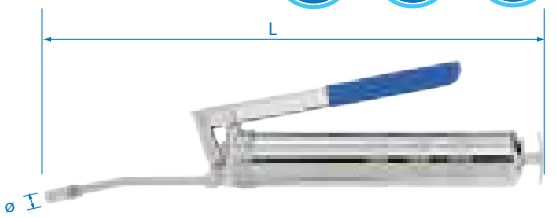
Lubrication-Grease Gun with 12" Tube

9BU2T

- Ideal for machine, automobile, farm and garden equipments, other vehicles etc.



9BU8109
9BU8209
9BU8112
9BU8212



KT NO.	L inch	L mm	Ø Screw thread	Working pressure PSI	Working pressure bar	Burst pressure PSI	Burst pressure bar	Capacity c.c.	Capacity oz	kg	
9BU241T	14	360	1/8" x 28 PT	4500	310	10000	700	400	14	1.24	1 / 16
9BU242T	14	360	10 x 1.0 Metric	4500	310	10000	700	400	14	1.24	1 / 16
9BU251T	14.2	365	1/8" x 28 PT	4500	310	10000	700	500	16	1.63	1 / 16
9BU252T	14.2	365	10 x 1.0 Metric	4500	310	10000	700	500	16	1.63	1 / 16
9BU8109	9	229	1/8" x 28 PT								
9BU8209	9	229	10 x 1.0 Metric								
9BU8112	12	305	1/8" x 28 PT								
9BU8212	12	305	10 x 1.0 Metric								

9BU241T / 9BU251T For general market except North America, Germany, South Africa, Egypt
9BU242T / 9BU252T For Germany, South Africa, Egypt, etc.

Portable Bearing Packer

9BU41

- Quick and easy way to pack bearings with less mess
- Suitable for bearing diameter up to 89 mm
- Press the cap until old grease forced out and replaced by fresh grease

505.2 1 / 36

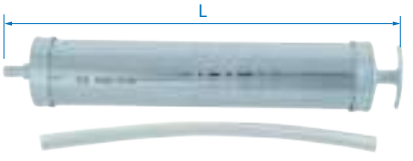




Oil Suction Gun

9BT2

- Designed for all purpose, quickly draining and filling oil and other fluids for clutches, agricultural, and industrial chemical, additives, transmission on differentials, brake master cylinders, oil filters or other type of sumps or sampling engine oil
- Features 11" flexible plastic hose



KT NO.	L inch	L mm	Capacity c.c.	Capacity oz	kg	
9BT250	13.4	340	500	16	770	1 / 20
new 9BT2100	17.3	440	1000	32	1238	1 / 20

Slide Hammer Puller Set

9BQ01

- 5 lbs / 2.2 kgs slide hammer with 500 mm shaft make more powerful
- Three types to use : internal/external puller, plate puller, dent puller
- Use for remove vehicle Hub, rear axle, bearing or repair dent, etc.

7.5 1/2



17 PC.

CONTENTS:

- 1 PC. 500 mm T handle shaft
- 1 PC. 5 lbs / 2.2 kgs hammer
- 1 PC. Axle puller
- 1 PC. Hub puller
- 1 PC. Hook
- 1 PC. Locking pliers puller
- 1 PC. Dent puller
- 1 PC. Central bolt
- - Hex 19mm x 5/8" x 18UNF x L140mm
- 1 PC. Twin head
- 1 PC. Tripe head
- 1 PC. Adjustable nut
- 3 PC. 3.5" leg
- 3 set nut & bolt





Axle Puller With Slide Hammer

9BQ11

- 5 lbs / 2.2 kgs slide hammer
- 500 mm T handle shaft

3 PC.

4 | 1 / 4

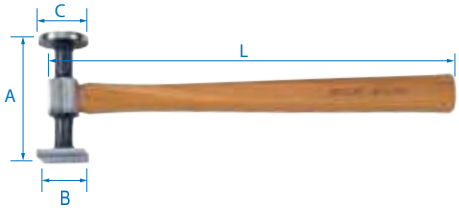


CONTENTS:
- 1 PC. 500 mm T handle shaft
- 1 PC. 5 lbs / 2.2 kgs hammer
- 1 PC. Axle puller

Auto Body Repair Tool

9CF110

- Bumping hammer
- Flat face



KT NO.	A mm	B mm	C mm	L mm		
9CF110	98.5	38	40	325	440	6 / 36

9CF120

- Light shrinking hammer - smooth
- Flat face + milled square face



KT NO.	A mm	B mm	C mm	L mm		
9CF120	98	40	38	325	467	6 / 36

9CF130

- Straight pick & finishing hammer



KT NO.	A mm	B mm	L mm		
9CF130	138	40	325	467	6 / 36

CAUTION
Please wear proper safety gear while working.

Auto Body Repair Tool

9CF131

- Curved pein & finishing hammer



KT NO.	A mm	B mm	L mm		
9CF131	140	40	325	467	6 / 36

9CF132

- Stright pein & finishing hammer

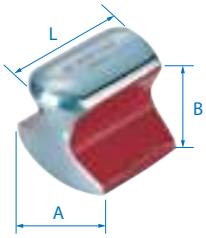




KT NO.	A mm	B mm	L mm		
9CF132	141	40	325	460	6 / 36

9CF210

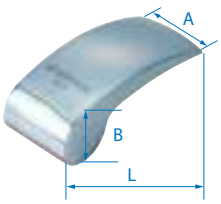
- Utility dolly



KT NO.	A mm	B mm	L mm		
9CF210	69	64	42.3	1380	6 / 12

9CF220

- Curved dolly



KT NO.	A mm	B mm	L mm		
9CF220	58.6	45	133	1630	6 / 12

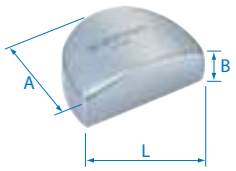
Auto Body Repair Tool & Set

CAUTION

Please wear proper safety gear while working.

9CF230

- Heel dolly



KT NO.	A mm	B mm	L mm	g	
9CF230	60	30	79.3	1130	6 / 12

9CF241

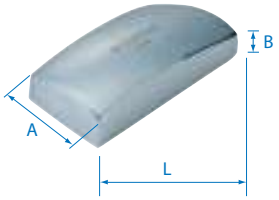
- Thin toe dolly



KT NO.	A mm	B mm	L mm	g	
9CF241	55	24	118	960	6 / 12

9CF240

- Toe dolly



KT NO.	A mm	B mm	L mm	g	
9CF240	58.5	29.1	121	1400	6 / 12

9CF-107 / 9CF-207 / 9CF-307

- All drop forged medium(SAE/AISI 1045,1055) carbon steel
- Hammers are hardened and tempered, including 3 hardwood handled hammers and 4 dollies

7 PC.



9CF-107



9CF-207



9CF-307

KT NO.	Contents			Kg	
9CF-107	9CF130	9CF240	9CF110, 9CF120, 9CF220, 9CF230, 9CF210	7.50	1 / 2
9CF-207	9CF131	9CF241		7.10	
9CF-307	9CF132			7.10	

Pneumatic Dent Puller

9CH212

- With 3 LB (1.36 kgs) sliding hammer
- With brass valve and 1/4" air plug
- With 13" length inlet hose
- With 2 PC. pads (120mm , 150mm)
- Air exhaust from the handle

17.00 1/4





Bodywork File & Set

9CM01

- Used for sheet-metal working
- Suitable for flat and curved surfaces
- Double-sides file with radial shape
- Lightweight aluminium body
- 1 PC. file included





KT NO.	Version	Teeth inch	Length mm	g	
9CM01	rough	8	355	1580	1 / 20

9CM2

- Used for sheet-metal working
- Suitable for flat and curved surfaces
- Double-sides file with radial shape
- For 9CM11



KT NO.	Version	Teeth inch	Length mm	g	
9CM209	rough	8	355	330	1 / 50
9CM212	fine	12	355	330	1 / 50

Slide Hammer Bodywork Puller Set

9CH01

- 6 lbs / 2.7 kgs slide hammer with 540 mm shaft make more powerful
- Variety attachment adaptor suitable for different situation
- Use for vehicle body panel and chassis or other metal distortion etc.

8.50 1/2



CONTENTS:

- 1 PC. 540 mm handle shaft
- 1 PC. 6 lbs / 2.7 kgs hammer
- 1 PC. Large curve hook
- 1 PC. Small curve hook
- 1 PC. Large 90° hook
- 1 PC. Small 90° hook
- 1 PC. Flat squashed attachment
- 1 PC. Straight attachment
- 1 PC. Double attachment
- 1 PC. Tapping screw
- 1 PC. Hook attachment with chain



Putty Knife

9CJ1112 1-1/4"



KT NO.	A inch	A mm	L inch	L mm	g	
9CJ1112	1-1/4	32	8-1/2	218	60.0	24 / 144

9CJ1120 2"



KT NO.	A inch	A mm	L inch	L mm	g	
9CJ1120	2	50	8-1/2	218	70.0	24 / 144

Putty Knife

9CJ1130 3"



KT NO.	A inch	A mm	L inch	L mm	g	pcs/box
9CJ1130	3	76	8-1/2	218	82	24 / 144

Stainless Steel Putty Knife Set

9CJ013



3 PC.

Contents 0.20 kg 10 / 40



9CJ1112 9CJ1120 9CJ1130

Bolstered Scraper

9CJ2120 2"



KT NO.	A inch	A mm	L inch	L mm	g	pcs/box
9CJ2120	2	50	8-1/2	218	140	24 / 144

Stainless Steel Bolstered Scraper Set

9CJ023



3 PC.

Contents 0.40 kg 10 / 40



9CJ2112 9CJ2212 9CJ2120

Bolstered Scraper

9CJ2112 1-1/4"



KT NO.	A inch	A mm	L inch	L mm	g	pcs/box
9CJ2112	1-1/4	32	8-1/2	218	120	24 / 144

9CJ2212 1-1/4"



KT NO.	A inch	A mm	L inch	L mm	g	pcs/box
9CJ2212	1-1/4	32	8-1/2	218	120	24 / 144

Pinch Weld Scraper

9CJ3104 1/2"



KT NO.	A inch	A mm	L inch	L mm	g	pcs/box
9CJ3104	1/2	12	6-1/2	168	75	24 / 144

9CJ3105 5/8"



KT NO.	A inch	A mm	L inch	L mm	g	pcs/box
9CJ3105	5/8	15	8-1/2	218	108	24 / 144

Pinch Weld Scraper

9CJ3106 3/4"



KT NO.	A inch	A mm	L inch	L mm	g	pcs/box
9CJ3106	3/7	19	6-1/2	168	75	24 / 144

Multi Purpose Single Edge Razor Scraper

9CJ61-40

- Ideal for scraping labels and decals
- Comfortable TPR handle for maximum grip
- Accepts all standard single edge razor blades



KT NO.	A inch	A mm	L inch	L mm	g	pcs/box
9CJ61-40	1-1/2	40	9	235	145	6 / 72

Stainless Steel Pinch Weld Scraper Set

9CJ033



3 PC.

Contents — Kg 0.30 / 10 / 40



9CJ3104 9CJ3105 9CJ3106

Mini Panel Removal

9CI1101



KT NO.	L inch	L mm	g	pcs/box
9CI1101	8	202	14	30 / 360

9CI1102



KT NO.	L inch	L mm	g	pcs/box
9CI1102	8	202	13	30 / 360

9CI1103



KT NO.	L inch	L mm	g	pcs/box
9CI1103	8	202	16	30 / 360

9CI1201



KT NO.	L inch	L mm	g	pcs/box
9CI1201	8	202	43	24 / 192

9CI1202



KT NO.	L inch	L mm	g	pcs/box
9CI1202	8	202	28	40 / 320

9CI1203



KT NO.	L inch	L mm	g	pcs/box
9CI1203	8	202	20	24 / 228

Mini Panel Removal Set

9CI016

- Easy to remove small trim items and panels with slim profile
- Made from impact resistant high quality nylon
- Applicable: Air vents, door panels, door locks, dash trim, internal fittings, etc.

0.30 kg | 12 / 48

6 PC.





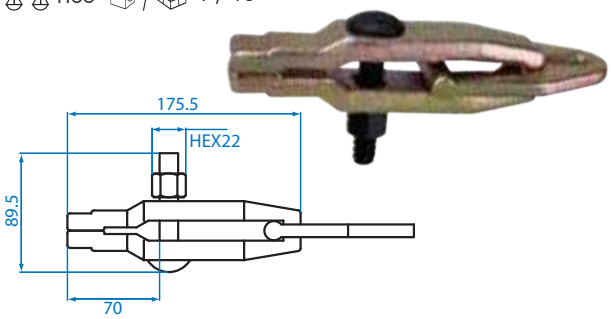


Long Nose Clamp

9CD14

- Drop forged chrome molybdenum alloy steel for maximum strength
- Jaw width : 32mm
- 3 Ton straight pulling capacity

1.83 kg | 1 / 10

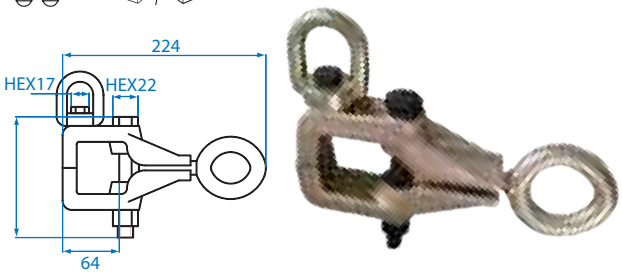


Large Pull Clamp With Top Pull

9CD21

- Drop forged chrome molybdenum alloy steel for maximum strength
- Jaw width : 37mm
- Two-way pull operation
- Dual self-tightening serrated jaws for a positive grip
- Capacity : 3 ton (straight way), 2 ton (cross way)

2.45 kg | 1 / 6

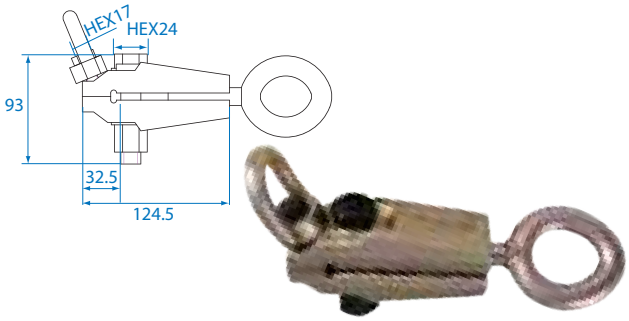


Small Pull Clamp With Top Pull

9CD31

- Drop forged chrome molybdenum alloy steel for maximum strength
- Jaw width : 44mm
- 44mm wide mouth with teeth
- With top pull and 360 degree self tightening pull ring
- Dual self-tightening serrated jaws for a positive grip
- Ideal for work in tight areas
- Capacity : 5 ton (straight way), 2 ton (cross way)

2.38 kg | 1 / 6



Windscreen Remove Tool Set

9CW01

- Use for removing glued of vehicle windows
- Use A with C to pierce the wire through the adhesive beads
- Use the cutting wire with B to remove adhesive beads



CONTENTS :

- A - Wire feeder tool
- B - Wire pull handle - pair
- C - Triangle cutting wire - 22 meters





KT NO.	Wire L m	T Handle L mm	g	
9CW01	22	330	456	8 / 32

Double Suction Pad Holder

9CW21

- Lifting up to 65 kg in horizontal position
- Adjustable handle designed for curved surface
- Ø 120mm rubber vacuum cup can prevent from the damage of surface and grip tightly
- Use for holding glass, tiles, sheet metal, etc.





KT NO.	Ø mm	Load capacity kg	g	
9CW21	120	65	805	4 / 8

Single Suction Pad Holder

9CW22

- Lifting up to 40 kg in horizontal position
- Ø 120mm rubber vacuum cup can prevent from the damage of surface and grip tightly
- Use for holding glass, tiles, sheet metal…





KT NO.	Ø mm	Load capacity kg	g	
9CW22	120	40	351	6 / 48

Alternator Tool & Set

- Specialized in removing & installing freewheel pulleys on alternator
- Ideal for dismantling and assembling the free wheel pulley while changing the alternator or pulley
- The pulley shaft is held in place with the bit on 1/2"DR. socket whilst the nut is undone using the 33 teeth union nut with 19mm spanner
- Suitable generator brand: Bosch, Valeo, Magetic Marelli, Denso, etc.
- It's also interchangeable and comprehensive components to work on VW, Audi, Citroen/ Peugeot, Mercedes, Renault, BMW, Flat, Ford, Toyota, etc.

9DA103 — 1/2"

- M10 spline





KT NO.	Size	Overall length mm	g	
9DA103	M10	113	151	10 / 120

9DA104 — 1/2"

- T50 Star





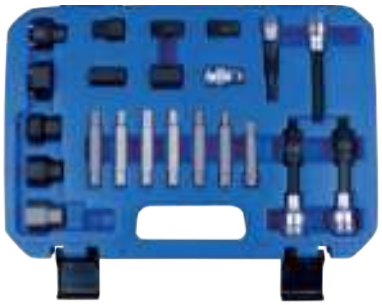
KT NO.	Size	Overall length mm	g	
9DA104	T50	113	151	10 / 120

Alternator Tool & Set

9DA022

- Specialized in removing & installing freewheel pulleys on alternator
- Suitable generator brand : Bosch, Valeo, Magetic Marelli, Denso, etc.
- It's also interchangeable and comprehensive components to work on VW, Audi, Citroen/Peugeot, Mercedes, Renault, BMW, Fiat, Ford, Toyota, etc.

22 PC.



CONTENTS:

- 3 PC. Combined bit socket –
- 3/8"DR. x M10 x 90mmL / 1/2"DR. x T50 x 113mmL / 1/2"DR. x M10 x 113mmL
- 1 PC. Spline bit socket 1/2"DR x M10 x 110mmL
- 3 PC. 33 teeth socket –15mm HEX x19mm / 15mm Hex x17.5mm / 22mm Hex
- 2 PC. Hex nut –22mm x 30mmL (Ø12.0mm) / 17mm x 35mmL (Ø14.7mm)
- 1 PC. - 35mm Round x 17mm hex (four pin)
- 1 PC. - 38mm Hex adaptor (three pin)
- 1 PC. - 28.6mm Round x H28 x H22 x 32mmL
- 2 PC. - Hexagon head nut –28H x H19 x 35mmL / 28H x H21 x 36mmL
- 1 PC. - M10 x H12 bit 64mmL
- 6 PC. - 10mm shank head bits 75mmL –T40 / T50 / M8 / M10 / H8 / H10
- 1 PC. - 1/2"DR. Bit holder

Kg 2.57 1 / 5



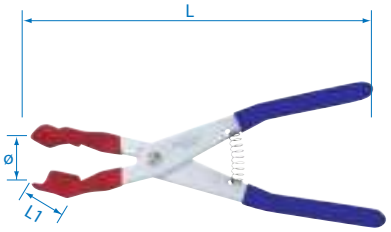


Spark Plug Boot Pliers

9DB201

- Remove spark plug cables safely and prevent cable damage
- Pliers' handles and jaws are coated with a heavy-duty plastic for sure grip





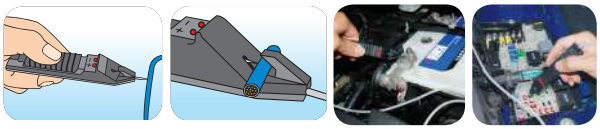
KT NO.	L mm	Ø mm	L1 mm	g	
9DB201	260	14~18	20	266	12 / 48

Automotive Voltage Tester

9DC23

- Insulated alligator clip with 150 cm cable
- 2 LEDs indicate positive(+)/negative(-) polarity
- Test voltage 3~48V
- For application of D.C. circuits only
- Two testing methods as illustration



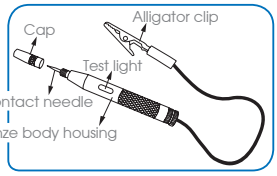


KT NO.	L mm	Test range	g	
9DC23	150	3~48V	52	10 / 100

Circuit Tester

9DC22

- Bronze body housing
- Cover cap for contact needle
- Bulb of 24V/3W interchangeable
- For 6/12/24V DC systems
- For application of D.C. circuits only







KT NO.	L mm	Test range	g	
9DC22	107	6~24V	50	20 / 200

Digital Display Circuit Tester

9DC242

- For 6/12/24V DC systems
- For application of DC circuits only
- Check if the circuit is electrified or not by stainless steel stylus
- Bigger heavy duty insulated alligator ground clip
- 3M long retractable cable
- LCD display easy to read digital voltage display
- Powered from the power source being measured, no batteries required
- CE approval EN 61000-6-3(2007) , EN 61000-6-1(2007)
- Do not use on air bags
- Ultra-V will burn circuit board





Specification	
Measured valtage	5~28V
Testing current	<10mA
Operating temp	-10~50° C
Operating humidity	<80%

KT NO.	Test range	g	
9DC242	6, 12, 24	225	10 / 60



Positive (+) polarity



Negative (-) polarity

Circuit Tester with Nixie Display

9DC243

- For 12/24/48V DC systems
- For application of DC circuits only
- Check if the circuit is electrified or not by stainless steel stylus
- Test by car battery or negative ground conversion
- 3M long retractable cable
- 1M extension cable
- Powered from the power source being measured, no batteries required
- Nixie display easy to read digital voltage display
- CE approval EN 61000-6-3(2007) , EN 61000-6-1(2007)
- Do not use on air bags
- Ultra-V will burn circuit board



(-) polarity (+) polarity (-) polarity < 0.3V > 62V





Specification	
Measured valtage	0.3~60V
Testing current	<10mA
Operating temp	0~50° C
Operating humidity	≦ 80%

KT NO.	Test range		
9DC243	12, 24, 48	277	10 / 60



Positive (+) polarity



Negative (-) polarity

Battery Tester

9DD21

- Test battery hydrometer quickly
- Use to check battery condition and charge state
- Detects hot or cold overcharge accurately
- For 6 / 12 / 24 volt system

85 10 / 100





Mechanic's Stethoscoper

9DH11

- Ears covered with plastic, effective to separate from outside noise
- 210mm extension probe can expand the space while operating or using in narrow space
- Quickly to find and detect the abnormal noise with the probe
- Use for detecting various vehicles parts or machine equipment

147 12 / 72





Digital Glow Plug Tester

9DM1A1

- Suitable for steel and ceramic glow plugs
- LCD Display
- Short circuit protection & reverse charging protection
- Auto power off : 110 seconds
- 9V batteryx1 (included)
- CE approval







KT NO.	Glow plug(V)	Size(mm) L x W x H		
9DM1A1	3.5-4.4-5-7-8.5 10-11-24	135 x 78 x 33	356	6 / 36

Gasoline Engine Injection Pressure Tester Kit

9DP1101

- Used to identify and diagnose low fuel pressure
- Shockproof gauge with dual reading of 0~120 PSI and 0~8 bar
- Various kit of adapters for most injection systems of European, Japanese and American vehicles, includes Bosch CIS, GM TBI and MFI system





81 PC.

5.0 kg | 1 / 4

No.	Dedcription	No.	Dedcription
1	1 PC. (0-120 psi/0-8bar)	20	1 PC. Adapter (M14 male-female)
2	1 PC. Connector Hose	21	1 PC. Adapter (M10 male-M12 male)
3	1 PC. Connector Hose	22	1 PC. Adapter (M10 female-M12 male)
4	1 PC. Connector Hose	23	1 PC. Adapter (M8 female-M12 male)
5	1 PC. Connector Hose	24	2 PC. Adapter (M8 male-M12 male)
6	1 PC. Connector Hose	25	1 PC. Adapter (M14 male-M12 male)
7	1 PC. Connector Hose	26	1 PC. Adapter (M16 male-M12 male)
8	1 PC. Connector Hose	27	1 PC. Adapter (Banjo bolt M12)
9	2 PC. Connector Tube (5/8"-18 male nut)	28	1 PC. Adapter (Banjo bolt M12)
10	2 PC. Connector Tube (5/8"-18 invert flare nut)	29	1 PC. Adapter (Banjo bolt M10)
11	2 PC. Adapter (M16 female~5/8")	30	1 PC. Adapter (Banjo bolt M8)
12	2 PC. Adapter (M14 female~3/8")	31	1 PC. Adapter (Banjo bolt M6)
13	2 PC. Adapter (M16 female~3/8")	32	1 PC. Adapter
14	2 PC. Adapter (M14 female~3/8")	33	1 PC. Adapter (M8 male-M12 male)
15	2 PC. Adapter (M16 ar-10mm)	34	1 PC. Adapter (M16 female-M12 male)
16	1 PC. Adapter	35	1 PC. Adapter (M14 female-M12 male)
17	1 PC. Manifold Adapter	36	1 PC. Gauge Hook
18	1 PC. Manifold Adapter	37	1 PC. Repair Pack
19	1 PC. Adapter (90 degrees)		

Gasoline Compression Tester Kit

9DP130

- Suitable for petrol engines on lawn mowers, motorbikes, cars, trucks and so on.
- Quickly diagnose problems with pistons, rings, and valves
- Gauge has dual color scale with 0-300 PSI, 0-20 Kpa
- Easy pressure release button on side of tester
- Brass corrosion resistant fittings

8 PC.



9DP1301

3 PC.



9DP1302

KT NO.	Max Pressure	g	
9DP1301	300PSI / 20Kpa	1206	1 / 10
9DP1302	300PSI / 20Kpa	1100	1 / 10

Diesel Engine Compression Tester Kit

9DP2301

- Suitable for testing cars and light commercial vehicles with direct or indirect injection on diesel engine
- Gauge reading range from 0-1000 PSI (0-70 bar)
- Includes a pressure gauge, various connect adapter and replacement seal & washer





11 PC.

2.58 kg | 1 / 6

No.	Dedcription	No.	Dedcription
A	1 PC. 2-1/2" gauge with 420mm hose	H	1 PC. Glow plug adapter (114mm*M10*1.25)
B	1 PC. Glow plug adapter (73.5mm*M10*1.25)	I	1 PC. Glow plug adapter (119mm*M10*1.0)
C	1 PC. Glow plug adapter (54mm*M12*1.25)	J	1 PC. Dummy injector (75mm*M20*1.5)
D	1 PC. Glow plug adapter (72mm*M14*1.25)	K	1 Set Seal & washer
E	1 PC. Dummy injector (114mm)	L	1 PC. 90° Elbow
F	1 PC. Dummy injector (64mm*M24*2.0)	M	1 PC. Clamp plate
G	1 PC. Stanadyne dummy (112mm)		

Oil Pressure Tester Kit

9DP3201

- Suitable for testing engine oil pressure and transmission pressure
- Applicable to both gasoline and diesel engines, also suitable for passenger cars and light trucks
- Gauge reading range from 0-150 PSI (0-10 bar)
- Provided with an oil filter clamp for piercing through oil filter canister when oil pressure switch is hard to access

2.10 kg | 1 / 5



13 PC.

Adapter

Black (Imperial threads)	Silver (Metric threads)
1/2" x 20 UNF	M10 x P1.0
3/8" x 20 UNF	M12 x P1.5
1/4" x 18 NPTF	M14 x P1.5
1/8" x 27 UPT	M16 x P1.5
R 1/8" DIN	M18 x P1.5





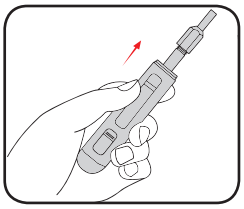
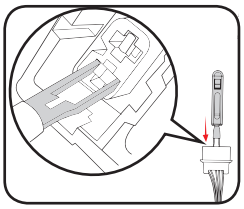
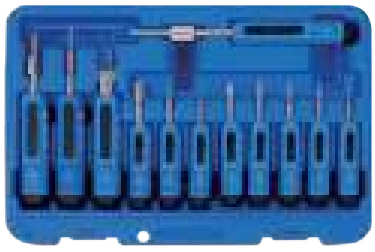
Universal Terminal Release Tool Set

9DT11

- Suitable for most of the vehicles, VW Group, BMW, Opel, Renault, Ford, Daimlerchrysler, Fiat, Toyota and Saab
- Use to loose contacts easily or carry out other applications in the field of car electricity

A	9DT11-1	ABS 4.0mm round terminal
B	9DT11-2	3.5mm round terminal
C	9DT11-3	1.5mm round terminal
D	9DT11-4	Maxi power timer
E	9DT11-5	Pit pod / Faston 6.3mm
F	9DT11-6	JPT / SPT
G	9DT11-7	Micro timer 11
H	9DT11-8	Standard tool
I	9DT11-9	Standard 2.72mm
J	9DT11-10	Standard 1.48mm
K	9DT11-11	Standard 1.89mm
L	9DT11-12	Micro standard

850 g | 1 / 10

12 PC.

Extra Option for Packing with EVA



9DT11E

- Quick and professional repair of malfunctions due to loose contacts
- Use on universal application in the field of the car electricity
- Application for most of vehicles , VW Group , BMW, Opel, Renault, Ford, Daimlerchrysler, Fiat, Toyota, Saab

1023 g | 1 / 10




12 PC.

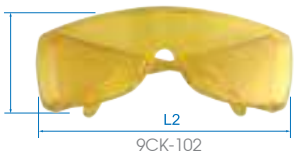
Safety Goggles

9CK

- Soft PVC frame & lens high impact clear polycarbonate
- Anti-dust and anti-impact vents

KT NO.	L1 inch	L1 mm	L2 inch	L2 mm	g	
9CK-101	2-7/8	74	6	153	70	20 / 200
9CK-102	2-1/2	63	6-1/4	170	38	6 / 60

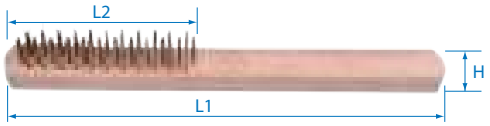




Steel Wire Brush

9CZ101

- Material : wood handle / steel wire
- Wire brush with three rows



KT NO.	H mm	L1 mm	L2 mm	g	
9CZ101	22	258	105	65	24 / 144

Pressure Oil Can

9TB225

9TB500

- Material: Plastic body (9TB225)
- Material: Metal body (9TB500)





KT NO.	Capacity c.c.	g	
9TB225	225	103	1 / 160
9TB500	500	302	10 / 60

A/C Leak Detector UV Light & Safety Glasses

9TQ03

- Universal tube(40cm) designed to reach into narrow space
- 3-UV light bulb with safety glasses
- Works with two LR3 AA batteries (not include)



KT NO.	Contents		g	
9TQ03	9TQ31	1 PC.	263	1 / 18
	9CK-102	1 PC.		

Flexible A/C Detective Light

9TQ31



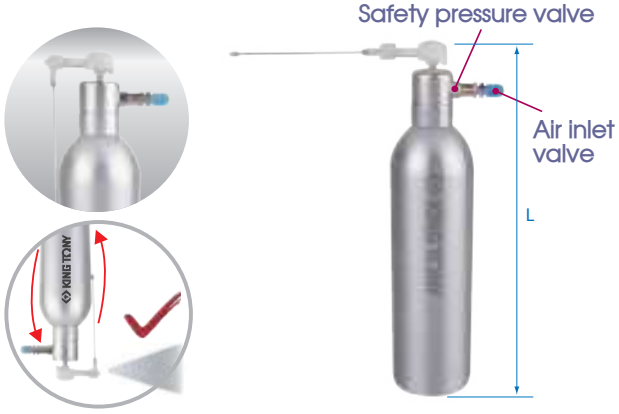
KT NO.	L1 mm	L2 mm	L3 mm	g	
9TQ31	34	400	140	107	1 / 5

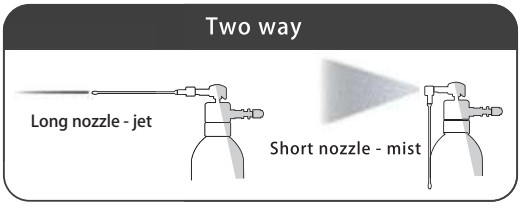
Refillable Pressure Sprayer

CAUTION Always wear eye protection while using this tool

9TBA650

- Suitable for lubrication, cleaning brake systems, removing dust and being anti-rust
- Two-position folding nozzle for a standard or long stream spray pattern for narrow and areas which are difficult to reach
- Aluminum canister
- Do not use with strong chemical or corrosive fluid



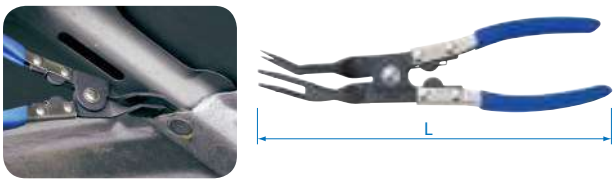


KT NO.	L inch	L mm	g	
9TBA650	11	287	290	1 / 12

Clip Removal Pliers

9TC101

- For removal of door inner-linings and other trim items held in place by plastic rivets



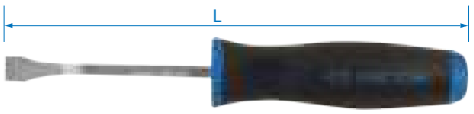
KT NO.	L inch	L mm	g	
9TC101	9	230	241	12 / 48

Pry Bar & Set

- Grip material - PP+TPR
- Chrome vanadium alloy steel

9TK1

- Packaged in plastic tray
- Pry bars are for prying and levering
- Sturdy blade minimizing lever spring effect
- It's hardened and tempered for maximum durability



KT NO.	L mm	g	
9TK108	204	140	6 / 72
9TK112	312	286	6 / 48
9TK118	458	547	6 / 48
9TK124	608	677	6 /36

9TK014



4 PC.

Contents | Kg 1.87 | 5 / 10

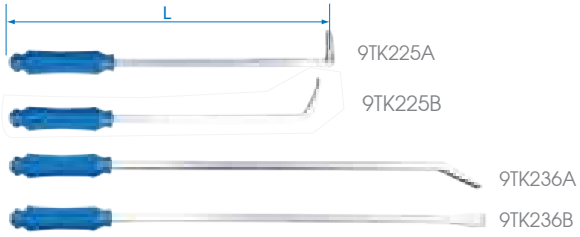


9TK108, 9TK112, 9TK118, 9TK124

Jumbo Pry Bar & Set

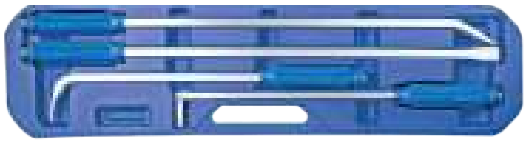
9TK2

- For heavy-duty application
- Includes straight, 90, 45, 30 degree tip for variety situation to use
- Extra long pry bar makes more powerful for prying and levering



KT NO.	L inch	L mm	Type	g	
9TK225A	25	625	90°	1620	1 / 6
9TK225B	25	625	45°	1510	1 / 6
9TK236A	36	920	30°	2070	1 / 12
9TK236B	36	920	Straight	2060	1 / 12

9TK024



4 PC.

Contents | Kg 9.34 | 1 / 10



9TK225A
9TK225B
9TK236A
9TK236B

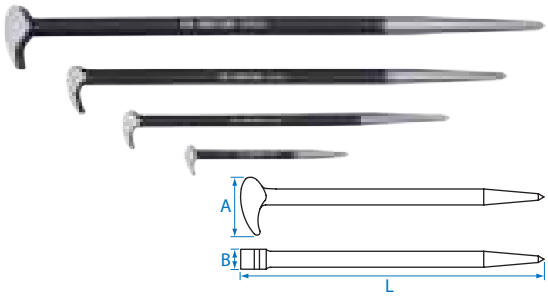
Rolling Head Pry Bar

- Material - chrome vanadium alloy steel
- Finishing - Black phosphate with polished head



9TK3 new

- With a long tapered end for alignments and a rolling head for prying



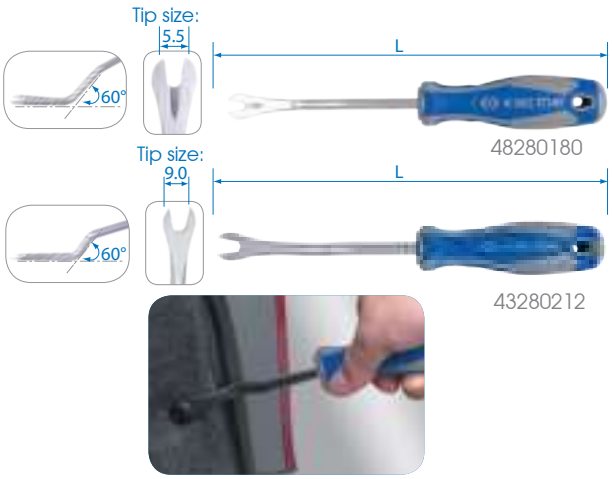
KT NO.	L inch	L mm	A mm	B mm	g	
9TK306	6	151	29.0	10.0	75	10 / 200
9TK312	12	305	36.5	12.3	252	2 / 40
9TK316	16	405	45.6	14.5	501	2 / 20
9TK320	20	504	60.2	18.0	952	2 / 20

Door Upholstery Remover

- Grip material - PP+TPR
- Chrome vanadium alloy steel

43280212 | 48280180

- Special tool to remove the lining and clip of the car

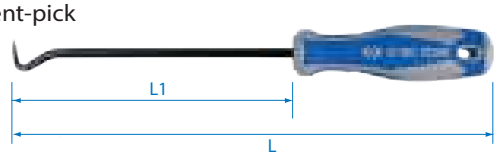


KT NO.	Tip mm	L mm	Type	g	
48280180	5.5	210	60°	93	12 / 144
43280212	9	240	60°	140	12 / 144

Hook & Pick Set

43250115Y

- 10" Bent-pick

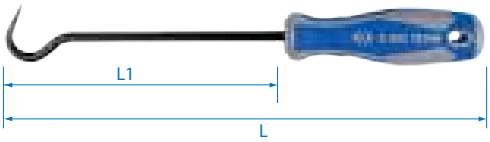


KT NO.	L mm	L1 mm	g	
43250115Y	260	150	94	12 / 144

Hook & Pick Set

43260115Y

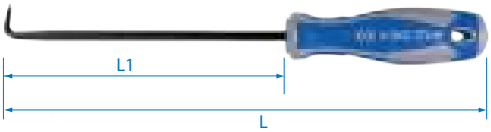
- 10" Hook-pick



KT NO.	L mm	L1 mm	g	
43260115Y	260	150	95	12 / 144

43270115Y

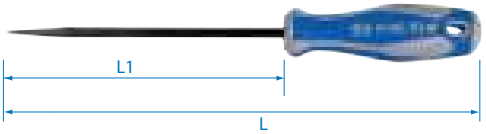
- 10" 90L-pick



KT NO.	L mm	L1 mm	g	
43270115Y	260	150	94	12 / 144

43290115Y

- 10" Straight-pick



KT NO.	L mm	L1 mm	g	
43290115Y	260	150	90	12 / 144

9-30904AY

- Use for scribing, alignment, installing and removing O rings, seals, cotter pins and washers



4 PC.





Contents	kg 0.43		1 / 8
43250115Y		43270115Y	
43260115Y		43290115Y	

- Grip material - PP+TPR
- Chrome vanadium alloy steel

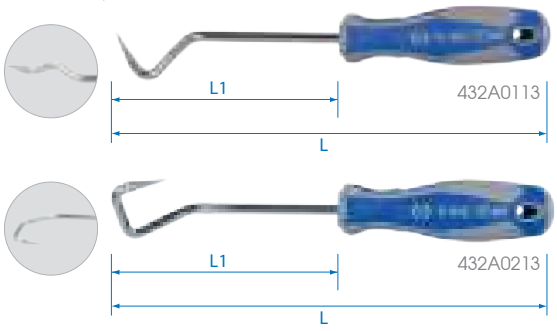
Radiator Hose Removal Tools

432A0113

- 9-1/2" Lightning type removal tools

432A0213

- 9-1/2" U type removal tools



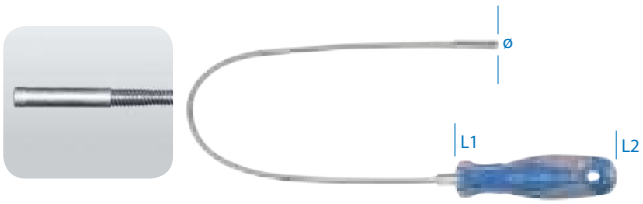
KT NO.	L mm	L1 mm	g	
432A0113	240	130	93	12 / 96
432A0213	240	130	101	12 / 96

Magnetic Flexible Handle

- Grip material - PP+TPR

2121

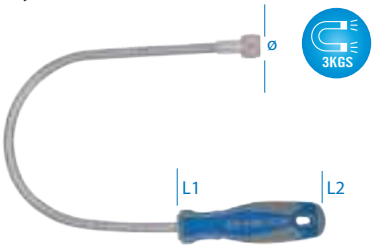
- Enhanced flexible conduit for perfect shaping
- More powerful magnetic force

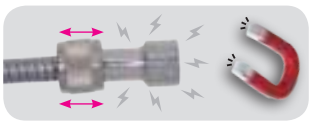


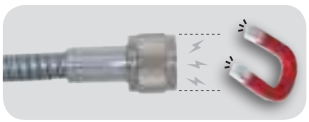
KT NO.	Size	Dia x length(mm) L1	L2	Magnetic power(kg)	g	
2121-12	12"	Ø 5 x 305	415	0.5	100	1 / 100
2121-18	18"	Ø 5 x 457	567	0.5	120	1 / 80

2121A-15

- Powerful magnet retrieves metal objects up to 3kg
- Slide cap prevents retrieving foreign objects
- Enhanced flexible conduit for perfect shaping
- Grip Material-PP+TPR
- Chrome vanadium alloy steel





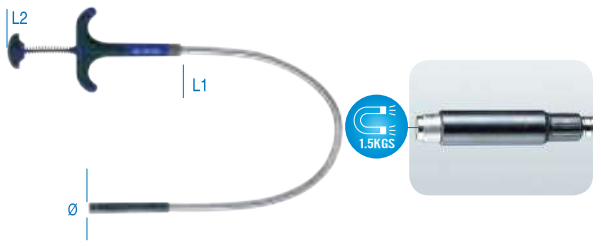


KT NO.	Size	Dia x length(mm) L1	L2	Magnetic power(kg)	g	
2121A-15	15"	Ø18 x 381	495	3	250	1 / 14

Magnetic Pickup Tool

2124

- Compact and ergonomic design for comfortable holding
- Enhanced flexible conduit for perfect shaping
- Solid crimping for holding tube and flexible conduit
- More powerful magnetic force
- Comfortable pushing strength

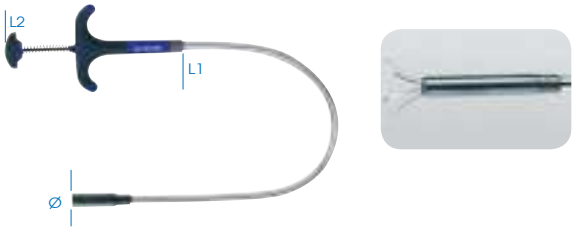


KT NO.	Size	Dia x length(mm) L1	L2	Magnetic power(kg)	g	
2124-18	18"	Ø13.5 x 450	610	1.5	181	1 / 36

Claw Pickup Tool

2126

- Compact and ergonomic design for comfortable holding
- Enhanced flexible conduit for perfect shaping
- Solid crimping for holding tube and flexible conduit
- Maximum claw width 1-1/4"
- Comfortable pushing strength

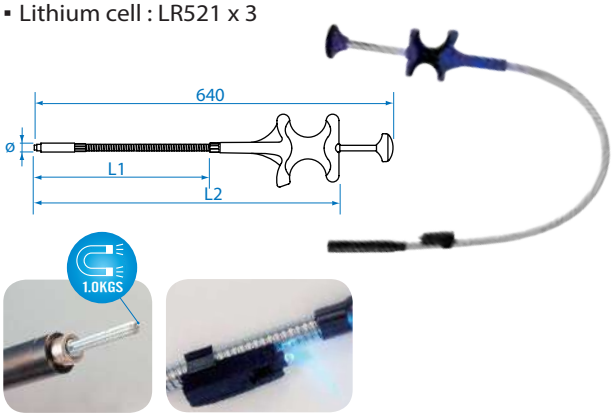


KT NO.	Size	Dia x length(mm) L1	L2		g	
2126-18	18"	Ø11 x 450	610	1-1/4"	181	1 / 36

3 in 1 Pickup Tool

2129-24

- Compact and ergonomic design for comfortable holding
- Enhanced flexible conduit for perfect shaping
- Solid crimping for holding tube and flexible conduit
- More powerful magnetic force
- Hook type claw
- Clamp light
- Comfortable pushing strength
- Lithium cell : LR521 x 3



KT NO.	Size	Dia x length(mm) L1	L2	Magnetic power(kg)		g	
2129-24	24"	Ø13 x 470	570	1.0	1-1/4"	280	12 / 48

Telescoping Magnetic Pick-Up Bar

2128-26

- Pen style for carring conveniently



KT NO.	Exlendable Length mm	Magnetic Power	g	
2128-26	130~640	3.5LBS/1.6KGS	45.6	50 / 200

Auto Inspection Tool Set

9TQ01

• Contents :

9TQ01-1
Stainless steel telescopic bar
9TQ01-2
3.5 lbs. magnet pick-up with LED light
9TQ01-3
Strong 8.0 lbs. magnet pick-up
2126-18
1/4"DR. T handle swivel head reversible ratchet
9TQ01-4
Round magnetic dish Dia. 100mm
9TQ01-5
Round inspection mirror-Dia. 50mm
9TQ01-6
Rectangular inspection mirror 89 x 50mm

Kg 1.52 / 1 / 5



7 PC.



10-1/2" Internal-External Heavy Duty Circlip Pliers Set

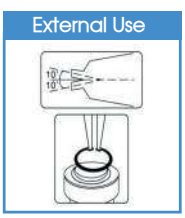
45115PP

- Internal & External circlip pliers 10-1/2" 265 mmL, maximum spread 45 mm
- Interchangeable tips 0°, 15°, 45°, 90°
- Internal ring 65~140 mm, External ring 65~120 mm
- Interchangeable tips 2.75 mm and 3.00 mm
- Heavy duty pliers with ratcheting locking device large rings are easily controlled

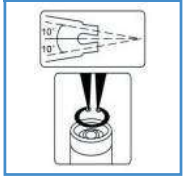
Contents

 68GS-11	1 PC. Internal straight circlip pliers
 68RS-11	1 PC. External straight circlip pliers
 68GR-01	2 PC. 15° Internal interchangeable
 68GQ-01	2 PC. 45° Internal interchangeable
 68GB-01	2 PC. 90° Internal interchangeable
 68RR-01	2 PC. 15° External interchangeable
 68RQ-01	2 PC. 45° External interchangeable
 68RB-01	2 PC. 90° External interchangeable
 68ZZ-01	1 Set - Screws (6 PC. M5x0.8)

External Use



Internal Use





15 PC.

KT NO.	L inch	L mm	Spread inch	Spread mm	Ømm	Ømm	kg	
45115PP	10-1/2	267	2	50	-	-	1.30	1 / 10
68GS-11	10-1/2	267	2	50	65~140	3	0.31	25 / 50
68RS-11	10-1/2	267	2	50	65~120	2.75	0.32	25 / 50

16" Internal-External Heavy Duty Circlip Pliers Set

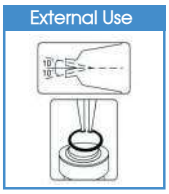
45211PP

- Internal & External circlip pliers 16" 400 mmL, maximum spread 85 mm
- Interchangeable tips 0°, 45°, 90°
- Internal ring 78-155 mm, External ring 88~165 mm
- Interchangeable tips 3.00 mm
- Heavy duty pliers with ratcheting locking device large rings are easily controlled

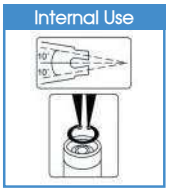
Contents

 68GS-16	1 PC. Internal straight circlip pliers
 68RS-16	1 PC. External straight circlip pliers
 68GQ-02	2 PC. 45° Internal interchangeable
 68GB-02	2 PC. 90° Internal interchangeable
 68RQ-02	2 PC. 45° External interchangeable
 68RB-02	2 PC. 90° External interchangeable
 68ZZ-02	1 Set - Screws (6 PC. M6x1.0)

External Use



Internal Use





11 PC.

KT NO.	L inch	L mm	Spread inch	Spread mm	Ømm	Ømm	kg	
45211PP	16	406	3-1/4	85	-	-	3.32	1 / 6
68GS-16	16	406	3-1/4	85	78~155	3	0.93	1 / 25
68RS-16	16	406	3-1/4	85	88~165	3	0.97	1 / 25

Kneeling Mat

9TG11

- Kneeling mat makes working more comfortable during repairing wheels, brakes and exhausts
- Make the chemicals and oil resistant
- Easily clean surface
- Light and small, easy to carry and available to hang it



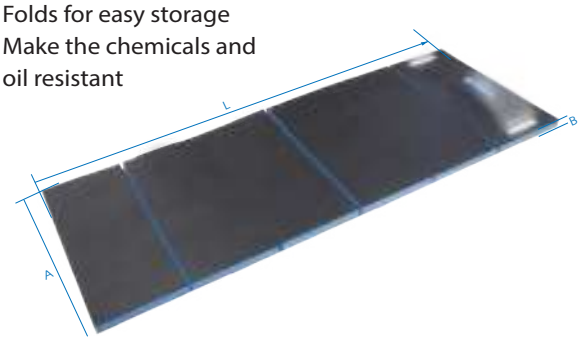


KT NO.	L mm	A mm	B mm		
9TG11	455	214	30	126	1 / 18

LED Folding Mat

9TG21

- Folding mechanics mat for mechanics sit / kneel and lie on it
- 24 SMD LED lights
- Brightness : 600 Lumen(lm)
- 3 x AA batteries not included
- Folds for easy storage
- Make the chemicals and oil resistant







KT NO.	L mm	A mm	B mm		
9TG21	1150	420	24	992	1 / 10

LED Kneeling Mat

9TG12

- Kneeling mat with work lights for under car repair or useful as a head protector
- 24 SMD LED lights
- Brightness : 600 Lumen(lm)
- 3 x AA batteries not included
- Make the chemicals and oil resistant







KT NO.	L mm	A mm	B mm		
9TG12	460	270	30	320	1 / 25

Plastic Car Creeper

87C23-B

- Designed for 2 side storage trays, for easily picking up for small parts or tools
- Vinyl-covered foam pad brings more comfortable while working
- 280 lb. weight capacity
- 1-1/4" ground clearance



KT NO.	Size mm		
87C23-B	1010 x 475 x 130 (40")	5000	1

Steel Creeper

87C24-B

87C25-B

- Designed with comfortable sponge cushion
- 300 lbs capacity
- 6 PC. durable swivel casters
- Long size Vinyl-covered foam pad brings more comfortable while working
- All steel construction frame makes it more strong and durable



87C24-B



87C25-B

KT NO.	Size mm	g	
87C24-B	920 x 425 x 95 (36")	5600	1
87C25-B	1020 x 425 x 110 (40")	7400	1

Wing Protector

9TP11

- Protection from unwanted scratches, dents and dirt
- Magnetic attachment keeps paintwork safe from damage
- Rugged, padded imitation leather and reinforced edges provide a perfect, cushioned working area



KT NO.	Size mm	g	
9TP11	1050 x 650	649	1 / 8

Wing Protector

9TP12

- Protection from unwanted scratches, dents and dirt
- Suction cup attachment keeps paintwork safe from damage
- Rugged, padded imitation leather and reinforced edges provide a perfect, cushioned working area



KT NO.	Size mm	g	
9TP12	1050 x 650	649	1 / 8

9TP22

- Protection from unwanted scratches, dents and dirt
- Suction cup attachment keeps paintwork safe from damage
- Rugged, padded imitation leather and reinforced edges provide a perfect, cushioned working area
- 3 suckers attached





- Suction cup can be strongly adsorbed on the aluminum alloy material

KT NO.	Size mm	g	
9TP22	1050 x 650	650	1 / 8



Oil Drain Pan

9TT11-18

- This 18 litre Oil Drain Pan includes easy grip, large carrying handles and integral spout for pouring waste oil or fluids into a recycling container. The anti-splash lip prevents spillage. Ideal for draining antifreeze or oil. (Not suitable for spray gun cleaner)





CONTENTS :

- 18 litre capacity
- Anti-splash lip
- Integral spout
- Ideal for draining antifreeze or oil
- Meets PAHS regulations



KT NO.	L mm	W mm	H mm		
9TT11-18	681	570	130	920	15

Wheel Axle Oil Drain

9TT21-03

- When the professional technician reaches for an oil drainer pan it has to be light yet strong, a convenient size for the task in hand and easily cleaned
- The wheel Axle Oil Drain is designed for HGVs, features a 3 litre capacity and is fits snugly into the dish of the wheel to catch the waste oil as it is drained from the axle. It is also stable on the workshop floor and easy to handle





CONTENTS :

- Wheel axle oil drain pan with pouring lip
- Manufactured from PE plastic
- 3 litre capacity

KT NO.	L mm	W mm	H mm		
9TT21-03	316	246	156	390	20

Drum Drain Basin

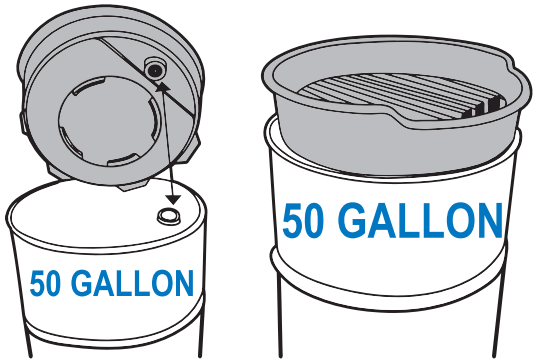
9TT31-20

- Plastic basin installed on drum for receiving waste oil
- Intended to be installed at a standard barrel, the drain lid marries with the barrel inlet allowing simple and efficient draining of waste oil from filters etc
- Features ribbed drainage channels and a filter gate to catch foreign objects





KT NO.	Ø mm	H mm		
9TT31-20	600	155	1700	5



Pneumatic Brake Bleeder

9TV12-02

- Air operated, handle trigger and noise-reduction design, easy and quick to use
- Replace the old brake fluid without leakage
- With 1m silicon hose and universal rubber adapter





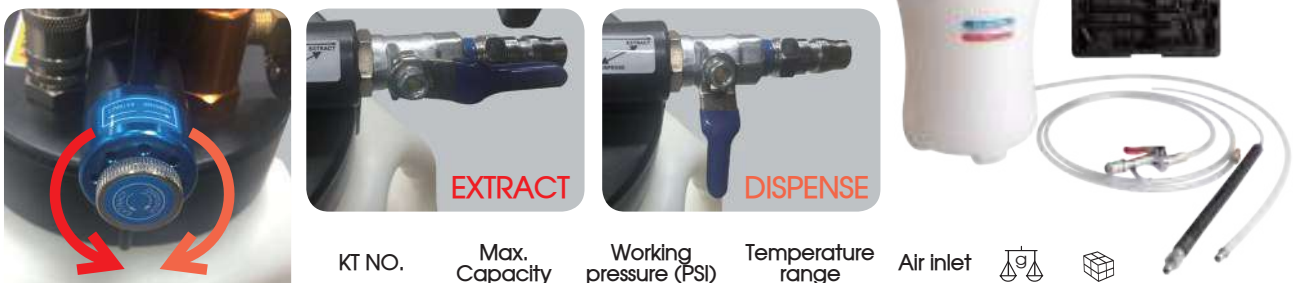


KT NO.	Type	Max. Capacity	Working pressure (PSI)	Temperature range	Air inlet	g	box/box
9TV12-020	European	2 L	40~170	-19°C~60°C	1/4"	1050	1 / 12
9TV12-021	American	2 L	40~170	-19°C~60°C	1/4"	1050	1 / 12

10L Pneumatic Oil(ATF) & Liquid Dispenser

9TV13

- Use to extract, transfer and dispense fluid quickly, safety and cleanly
- Non-spark, one man in same step can operate
- Provide with the safety valve, pre-setting 43 PSI (3 Bar), the exceed pressure will be relief automatically
- Provide with the pressure gauge, can be read & control the pressure in the tank more easily
- Provide 2 way control valve for dispensing more safety
- 8 PC. one touch transportation adapter





KT NO.	Max. Capacity	Working pressure (PSI)	Temperature range	Air inlet	g	box
9TV13-100	10 L	90	-19°C~140°C	1/4"	4750	1

Manual Fluid Extractor

9TV21-09

- Capacity : 9 litre
- Use for extracting all types of engines oil, transmission fluid and lubricants of cars, marine, stationary, motorbikes engines etc.





KT NO.	Max. Capacity	Temperature range	g	box/box
9TV21-09	9 L	-19°C~90°C	4750	1 / 2

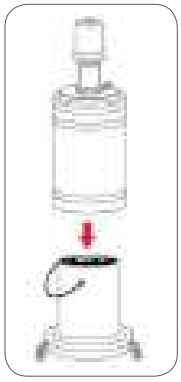
- Silicon hose x 1.2 m
- Nylon hose x 1.1 m
- Nylon hose x 1.0 m



Pneumatic Grease Pump 20L

9TU11

- The barrel body is made of high-grade steel plate. It can contain 5 gallons(20L) of barrel packed grease from all nations around the world
- Suitable for all sorts of machinery, vehicles, airplanes, ships, etc. The efficient instrument for infusing grease powerfully for lubrication & maintenance purpose
- Pump of separate type: utilize the principle of liquid getting pumped & driven by air compressor to draw in liquid. There are two independent & separate cycle systems of pump out there, which prevents air- compressor-exhaust moisture from getting to the grease inside the barrel and deteriorating its quality





KT NO.	Air Input Pressure (bar)	(PSI)	Pressure Ratio	Grease Output Pressure (bar)	(PSI)	Deliver Rate (cc/sec)	N.W.	G.W.	kg	CUFT
9TU11-20	4-9	60-130	45 :1	180-405	2700-5850	30	17	20.5	21.0	6.4

Hand Grease Pump 20L

9TU21

- 20L tank for 5 gallons grease oil
- Suitable for #00,#0,#1,#2 grease oil
- Included 1.8m length hose & pistol sprayer
- 1/4" High pressure 10,000 psi W.P oilfield hose
- Portable equipment with single pull handle
- Suitable for all sorts of machineries, vehicles, airplanes, ships, etc.







KT NO.	Transmission rate	Hose Length	N.W.	G.W.	CUFT
9TU21-20	4 cc/stroke	1.8 m	8.2 Kg	9.4 Kg	2.2

Oil Transfer Bucket Pump 20L

9TW21

- Lever pump 20 L tank for oil
- Suitable for diesel fuel, lubricating oils up to SAE 90 and Non-corrosive fluids
- Included 1.8m length hose & sprayer
- Portable equipment with single pull handle





KT NO.	Deliver Rate	Hose Length	Outlet tube	N.W.	G.W.	CUFT
9TW21-20	65 cc/stroke	1.8m	3/8"	7.8 Kg	8.5Kg	2.2



ST

STARTER

Socket Set

ST2346MR 1/4"

Blow case size (mm) :
254 x 147 x 46 (0.16 cuft)



46 PC.



2766DK

Contents		1.06	1 / 12
2335M	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14		
2033	T8, T10, T15, T20, T25, T30, T40		
2035	H3, H4, H5, H6, H7, H8		
2031	PH1, PH2, PH3		
2032	4, 5.5, 7		
2038	PZ1, PZ2, PZ3		
1115-14	H1.27, H1.5, H2, H2.5		
2766-55G	2791	2222-02 2222-04	
2571-45H	2312-06	2179	

Socket Set

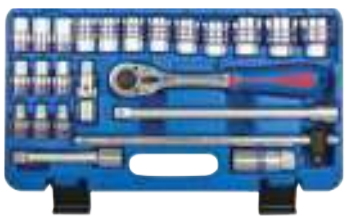
ST4028MR

ST4528MR

ST4028SR 1/2"

ST4528SR 1/2"

Blow case size (mm) :
387 x 223 x 58 (0.18 cuft)

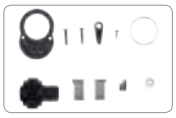


ST4028MR/ST4528MR



ST4028SR/ST4528SR

24 PC.



4766DK

KT NO.		Contents		4.10	1 / 4
ST4028MR	4330MRC	8, 9, 10, 11, 12, 13, 14, 15, 16 17, 18, 19, 21, 22, 24, 27, 30, 32	463021HC		
ST4028SR	4330SRC	5/16", 3/8", 7/16", 15/32" 1/2",9/16", 19/32", 5/8", 11/16" 3/4", 25/32", 13/16", 7/8" 15/16",1", 1-1/16", 1-3/16", 1-1/4"			
ST4528MR	4335MRC	8, 9, 10, 11, 12, 13, 14, 15, 16 17, 18, 19, 21, 22, 24, 27, 30, 32	463521HC		
ST4528SR	4335SRC	5/16", 3/8", 7/16", 15/32" 1/2",9/16", 19/32", 5/8", 11/16" 3/4", 25/32", 13/16", 7/8" 15/16",1", 1-1/16", 1-3/16", 1-1/4"			



4766-10G



4251-05RH
4251-10RH

4572-12H

4791RH

Socket & Wrench Set

SC7083MR

Blow case size (mm) :
422 x 275 x 85 (0.35 cuft)



SC7583MR 1/4"+1/2"



83 PC.

5.65 | 1 / 4

KT NO.	Contents
SC7083MR	2330M 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14 4330MRC 14, 15, 16, 17, 18, 19, 20, 22, 24, 27, 30, 32 463016R 463021HC
SC7583MR	2335M 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14 4335MRC 14, 15, 16, 17, 18, 19, 20, 22, 24, 27, 30, 32 463516HC 463521HC

1060 8, 10, 11, 12, 13, 14, 17, 19
2031 PH1, PH2
2032 4, 5.5, 6.5
2033 T8, T10, T15, T20, T25, T27, T30
2035 H3, H4, H5, H6
2038 PZ1, PZ2
1836P PH3, PH4
1836S 8 x 1.2, 10 x 1.6, 12 x 2.0
1836T T40, T45, T50, T55

1836H H8, H10, H12, H14
1836Z PZ3, PZ4
2766-55G
4766-10G
4251-05RH
2222-02
2222-04
79831
4222-10
2312-06
7702-25
3824
2571-45H
2179DF
414810S
2791
4791RH

Socket & Wrench Set

SC7396MR 1/4"+1/2"

Metal case size (mm) :
422 x 275 x 85 (0.35cuft)

Contents

5.5 | 1 / 4



96 PC.

	2335M	4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14
	2235M	6, 8, 10, 12, 13, 14
	4335MRC	10, 12, 13, 14, 15, 16, 17, 18, 19, 22, 23, 27, 32
	4535M	15, 16, 17, 19, 24
	1060	8, 10, 12, 13, 14, 15, 16, 17, 18, 19
	1836H	H8, H10, H12, H14
	1836T	T50, T55, T60
	1025S	3.0, 4.0, 5.0, 6.0
	1025P	PH1, PH2 x 2, PH3
	1025Z	PZ1, PZ2 x 2, PZ3
	1025T	T10, T15, T20, T25, T27, T30, T40
	1025H	H3, H4, H5, H6
	1025U	T10H, T15H, T20H, T25H, T27H, T30H, T40H
	1025R	RB2
	753-63	
	7702-25	
	2766-55G	4766-10G
	2571-45H	2179DF
	4222-10	2222-02 2141
	2791	4791RH 3824 414810S

Socket & Wrench Set

SC7096MR

SC7596MR 1/4"+1/2"

Blow case size (mm) :
422 x 275 x 85 (0.35 cuft)



96 PC.

6.22 kg | 1 / 4

KT NO.	Contents	
SC7096MR	2330M	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14
	2230M	6, 7, 8, 9, 10, 11, 12, 13
	4230MC	14, 15, 17, 19, 22
	4330MRC	10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24, 27, 30, 32
	463016R	
	463021HC	
	2031	PH1, PH2
	2032	4, 5.5, 6.5
	2033	T8, T10, T15, T20, T25, T27, T30
	2035	H3, H4, H5, H6
	2038	PZ1, PZ2
	1836P	PH3, PH4
	1836S	8x1.2, 10x1.6, 12x2.0
	1836T	T40, T45, T50, T55
	1836H	H7, H8, H10, H12, H14
	1836Z	PZ3, PZ4
	1115-03	1.5, 2, 2.5
	2766-55G	
	4766-10G	
	2179DF	
	4222-10	
	2222-02 2222-04	
	4251-05RH	
	2571-45H	
	2791 4791RH	
	414810S	
	3824	
	7702-25	
	2745	
SC7596MR	2335M	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14
	2235M	6, 7, 8, 9, 10, 11, 12, 13
	4235MC	14, 15, 17, 19, 22
	4335MRC	10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24, 27, 30, 32
	463516HC	
	463521HC	

Socket & Wrench Set

SC7010MR

Blow case size (mm) :
422 x 275 x 85 (0.35 cuft)


SC7510MR

SC7510MR 1/4"+1/2"

110 PC.


SC7010MR

KT NO. | Contents | 6.90 | 1 / 4

SC7010MR

- 2330M — 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14
- 2230M — 6, 7, 8, 9, 10, 11, 12, 13
- 4230MC — 14, 15, 17, 19, 22
- 4330MRC — 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24, 27, 30, 32
- 463016R
- 463021HC

SC7510MR

- 2335M — 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14
- 2235M — 6, 7, 8, 9, 10, 11, 12, 13
- 4235MC — 14, 15, 17, 19, 22
- 4335M — 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24, 27, 30, 32
- 463516HC
- 463521HC

- 2375M — E4, E5, E6, E7, E8
- 4375M — E10, E11, E12, E14, E16, E18, E20, E24
- 2031 — PH1, PH2
- 2032 — 4, 5.5, 6.5
- 2033 — T8, T10, T15, T20, T25, T27, T30
- 2035 — H3, H4, H5, H6
- 2038 — PZ1, PZ2
- 1836P — PH3, PH4
- 1836S — 8x1.2, 10x1.6, 12x2.0
- 1836T — T40, T45, T50, T55, T60
- 1836H — H7, H8, H10, H12, H14
- 1836Z — PZ3, PZ4
- 1115-03 — 1.5, 2, 2.5

- 2766-55G
- 4766-10G
- 2179DF
- 4222-10
- 2571-45H
- 2222-02
- 2222-04
- 4251-05RH
- 2791
- 4791RH
- 3824
- 414810S
- 7702-25
- 2745

Socket & Wrench Set

SC9043MR

Blow case size (mm) :
560 x 400 x 110 (0.87 cuft)

SC9543MR 1/4"+3/8"+1/2"





143 PC.

KT NO. | Contents | 13.7 | 1 / 2

SC9043MR

2330M
4, 4.5, 5, 5.5, 6, 7, 8, 9, 10

4330MRC
8, 10, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 27, 30, 32

463016R 463021HC

2375M — E4, E5, E6, E7, E8
3330M — 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 17, 18, 19, 21, 22
4375MC — E10, E12, E14, E16, E20
1025P — PH0, PH1, PH2, PH3
1025S — 4, 5.5, 7
1025U — T10H, T15H, T20H, T25H, T27H, T30H, T40H
1025H — H2, H3, H4, H5, H6, H7, H8, H10
1025Z — PZ0, PZ1, PZ2, PZ3
1421 — PH2 x 38, PH1 x 80
1461 — PH2 x 100
1422 — 6.5 x 38, 5.5 x 75
1462 — 6.5 x 150

1060 — 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24
1930 — 8 x 10, 10 x 12, 11 x 13, 12 x 14, 17 x 19
1145MR — H1.5, H2, H2.5, H3, H4, H5, H6, H8, H10

2222-02 2222-04 2222-06
3221-03 3221-06
4251-03R
4222-10
2312-06
2179DF
3781-11F
4452-18FR
2141
4581-10
79831
6111-07
2766-55G
4766-10G
6011-10R
79093-03M
3824
3812
2791 3792 4791RH
7821-30

SC9543MR

2335M
4, 4.5, 5, 5.5, 6, 7, 8, 9, 10

4335MRC
8, 10, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 27, 30, 32

463516HC 463521HC

2375M — E4, E5, E6, E7, E8
3330M — 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 17, 18, 19, 21, 22
4375MC — E10, E12, E14, E16, E20
1025P — PH0, PH1, PH2, PH3
1025S — 4, 5.5, 7
1025U — T10H, T15H, T20H, T25H, T27H, T30H, T40H
1025H — H2, H3, H4, H5, H6, H7, H8, H10
1025Z — PZ0, PZ1, PZ2, PZ3
1421 — PH2 x 38, PH1 x 80
1461 — PH2 x 100
1422 — 6.5 x 38, 5.5 x 75
1462 — 6.5 x 150

1060 — 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24
1930 — 8 x 10, 10 x 12, 11 x 13, 12 x 14, 17 x 19
1145MR — H1.5, H2, H2.5, H3, H4, H5, H6, H8, H10

2222-02 2222-04 2222-06
3221-03 3221-06
4251-03R
4222-10
2312-06
2179DF
3781-11F
4452-18FR
2141
4581-10
79831
6111-07
2766-55G
4766-10G
6011-10R
79093-03M
3824
3812
2791 3792 4791RH
7821-30

Ball Hex Key

ST1120MR

- Extra long arm with ball point type
- DIN ISO 2936



KT NO.	mm	mm	mm	g	pc/set
ST112012MR	H12	57	262	283	8 / 48
ST112014MR	H14	70	294	441	8 / 48
ST112017MR	H17	80	337	740	4 / 32
ST112019MR	H19	89	379	1044	4 / 16

ST1145MR

- Standard arm type
- Hex head
- DIN ISO 2936



KT NO.	mm	mm	mm	g	pc/set
ST114512MR	H12	57	137	166	10 / 120
ST114514MR	H14	70	154	261	6 / 72
ST114517MR	H17	80	177	439	4 / 48
ST114519MR	H19	89	199	619	4 / 32

Hex Key Set

ST20219MR



9 PC.

Spec.	Contents	g	pc/set
Standard arm	ST1145MR	300	6 / 48

H1.5, H2, H2.5, H3, H4, H5, H6, H8, H10

ST20219SY



9 PC.

Spec.	Contents	g	pc/set
Standard arm	ST1145SY	280	10 / 80

5/64, 3/32, 1/8, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8

ST20213MR



13 PC.

Spec.	Contents	g	pc/set
Standard arm hex-head key	ST1145MR	1880	2 / 8

H2, H2.5, H3, H4, H5, H6, H7, H8, H10, H12, H14, H17, H19

ST20209MR



9 PC.

Spec.	Contents	g	pc/set
Extra long arm	ST1125MR	480	8 / 48

H1.5, H2, H2.5, H3, H4, H5, H6, H8, H10

ST20219MY



9 PC.

Spec.	Contents	g	pc/set
Standard arm	ST1145MY	300	6 / 48

H1.5, H2, H2.5, H3, H4, H5, H6, H8, H10

ST20207MY



7 PC.

Spec.	Contents	g	pc/set
Extra long arm	ST1125MY	540	8 / 48

H3, H4, H5, H6, H7, H8, H10

ST20219MY1



9 PC.

Spec.	Contents	g	pc/set
Standard arm	ST1145MY	280	10 / 80

H1.5, H2, H2.5, H3, H4, H5, H6, H8, H10

ST20208MY



8 PC.

Spec.	Contents	g	pc/set
Extra long arm	ST1125MY	480	8 / 48

H2, H2.5, H3, H4, H5, H6, H8, H10

Hex Key Set

ST20139MY



9 PC.

Spec.	Contents	370 g / 8 / 64
long arm / ball	ST1130MY	H1.5, H2, H2.5, H3, H4.5, H6, H8, H10

ST20139SY



9 PC.

Spec.	Contents	390 g / 8 / 64
long arm / ball	ST1130SY	5/64, 3/32, 1/8, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8

ST20419PR



9 PC.

Spec.	Contents	470 g / 8 / 48
Extra long arm / Tamper resistant	ST1127R	T10H, T15H, T20H, T25H, T27H, T30H, T40H, T45H, T50H

ST20109MR



9 PC.

Spec.	Contents	0.48 kg / 8 / 48
Extra long arm / ball	ST1120MR	H1.5, H2, H2.5, H3, H4, H5, H6, H8, H10

ST20203MR



13 PC.

Spec.	Contents	330 g / 1 / 4
Extra long arm / ball	ST1120MR	H2, H2.5, H3, H4, H5, H6, H7, H8, H10, H12, H14, H17, H19

Tool Trolley

ST87432-5B

5 Drawer & 7 Drawer Tool Trolley

- Heavy duty ball bearing slides
- 5"x1-1/4" casters with locking break
- One piece wall constructed and powder coating
- Central locking system
- Oil can holder / optional side pull handle bar
- 2mm anti-slipping rubber top mat
- Overall size : W670 x D460 x H812 mm

ST87432-5B 52 kg
ST87434-7B 60 kg
CUFT 12.64



ST87432-5B

ST87434-7B



ST87434-7B

Promotional merchandise



Leather Male Wallet
ZS104
Size : 11.5 x 9 cm



Leather Wallet For Business Card
ZS105
Size : 11 x 7.5 cm



Briefcase (Leather)
ZS107
Size : 40 x 35 x 8 cm



Mouse Pad
ZS306
Size : 18 x 18 x 0.3 cm



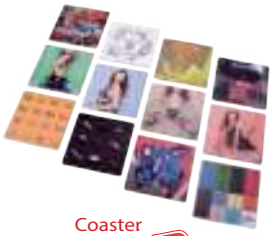
Ball-Bearing Pen
ZS402



Ball-Bearing Pen
ZS405



Ruler 30 cm
ZS408



Coaster
ZS514 new
Size : 9.9 x 9.9 cm



A4 L Shape Clear File
ZS409
Size : 310 x 220mm



A4 Clear File
ZS410
Size : 310 x 495 x 17mm



Mat
ZS411
Size : 530 x 367 x 2mm



Notepaper
ZS510



Work Clothing Overall	Waist. (inch)	Hip (inch)
ZS109 - L	34"	48"
ZS109 - XL	36"	50"
ZS109 - 2L	38"	52"
ZS109 - 3L	41"	54"



Work Clothing Overall	Waist. (inch)	Hip (inch)
ZS112 - L	36"	44"
ZS112 - XL	40"	48"
ZS112 - 2L	44"	52"
ZS112 - 3L	48"	56"



Windbreaker Jacket Overall	Chest girth (cm)
ZS141 - S	44"
ZS141 - M	46"
ZS141 - L	48"
ZS141 - XL	50"
ZS141 - 2L	52"
ZS141 - 3L	54"



Polo Shirt Overall	Shoulder width (inch)	Chest girth (inch)
ZS111 - M	17"	41"
ZS111 - L	18"	43"
ZS111 - XL	19"	45"
ZS111 - 2L	20"	47"
ZS111 - 3L	21"	49"

Polo Shirt Overall	Shoulder width (inch)	Chest girth (inch)
ZS111A - S	14"	36"
ZS111A - M	15"	37"
ZS111A - L	16"	39"
ZS111A - XL	17"	41"
ZS111A - 2L	18"	42"
ZS111A - 3L	19"	44"



ZS142W



ZS142G



ZS142B

T-shirt Overall	Shoulder width (inch)	Chest girth (inch)
S	16"	38"
M	17"	40"
L	18"	42"
XL	18-1/2"	44"
2L	19"	46"
3L	19.5"	48"



Leather Belt (Male)
ZS108



Work Hat
ZS110



Golf Umbrella
ZS116
Size : 68 x 8K



Personal Cooler Bag
ZS120-S



Expanding
Holder Stand
ZS307



Opener
ZS539



Handbag
ZS119
Size : 36 x 38 x 10 cm



Paper Cup
ZS511



Mini Pocket Tools
ZS540



Key Ring
ZS522



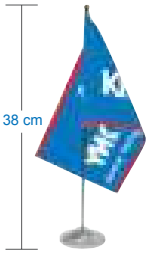
Key Ring
ZS524



Key Ring
ZS530



Key Ring
ZS533



Small Flag
ADFLAG
Size : 25.4 x 16 cm



Big Flag
ADFLAG1
Size : 930 x 1430 mm



Outdoor Flag
ADFLAG2
Size : 210 x 60 cm



Sticker
ADSTK21KT 99 x 45 cm
ADSTK22KT 50.6 x 22.6 cm
ADSTK23KT 26.4 x 4.2 cm



Sticker
ADSTK-C1
Size : ø - 250 mm



Sticker
ADSTK-H1
Size : ø - 250 mm



Canvas Strip
ADCV-01
Size : 300 x 80 cm



Canvas Strip
ADCV-02
Size : 300 x 80 cm

Tool Display



Display Stand
87306 new
Overall Size -
W 1000 x D 500 x H 2200 mm
Attachment-
1 PC. lamp case
2 PC. shelve
6 PC. steel plate with hole
40 PC. hooks
Weight - 57 Kg / Cuft - 5.9



Display Hook

87301- 494A	4" x Ø 4 mm
87301- 496A	6" x Ø 5.2 mm
87301- 498A	8" x Ø 5.2 mm
87301- 499A	9" x Ø 8 mm









Side panel for display stand
ADVT-02 new
Size : 90 x 22 mm



Magnetic base
91422 new





Display Board
87203
Wall hanging type 30 PC. hook included
Overall Size -
W 725 x D 14 x H 900 mm
Weight - 11.50 Kg / Cuft - 0.328





Display Stand
87301-36(White)
87301-36-B new
Overall Size -
W 902 x D 268 x H 143 mm
Weight - 6.5 Kg / Cuft - 0.62







6 kgs max.
loading capacity

Tools display stand
87154 / 87154-01 new
Overall Size -
W 280 x D 170 x H 45 mm
Weight - 1.2 Kg / Cuft 1.35



Display Rack for Torque Wrench
87153
Overall Size -
W 330 x D 255 x H 475 mm
Weight - 1.23 Kg / Cuft - 1.41







Display Stand
87152
Overall Size -W400 x D230 x H470 mm
Weight - 1.20 Kg / Cuft - 1.53





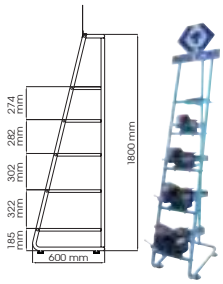
Steel Rack Hook
91432
Idea for hanging display & presenting tool set
230mm maximum depth
5kg maximum tool weight
(heavier & longer items, you can put 2 PC. to hold)





Hammer Hook
91431 P.423
Overall Size -
W 40 x D 210 x H 240 mm
Weight - 411.6 g / Cuft - 0.072





Display Rack
87160 P.437
Overall Size -
W 400 x D 600 x H 2070 mm
Weight - 15.5Kg / Cuft - 1.6





Hook for Torque Extension Bar
9TE41 P.214
Total Length - 311mm
Weight - 196.4 g
Groove capacity: 22 mm



Hangers
Individual pack
Housing material - PP
Lock pin is optional





Display shelf for L-wrench
87125 P.372 new
Overall Size -
W 220 x D 260 x H 270 mm
Weight 375g / Cuft 0.63



Screwdriver Shelf
87105 / 87107 / 87110 / 87111
87105-W 595 x D 240 x H 210 mm
Weight - 3.40 Kg Cuft - 1.97
87107-W 383 x D 136 x H 130 mm
Weight - 0.86 Kg
87110-W 420 x D 240 x H 210 mm
Weight - 2.50 Kg Cuft - 1.5
87111-W 655 x D 240 x H 210 mm
Weight - 3.80 Kg Cuft - 2.2
Reference:
87105 (31416MR P.350)
(31516MR P.350)
87107 (31419MR P.399)
87110 (31512MR P.350)
87111 (31519MR P.350)



Screwdriver Shelf
87104 P.351
Overall Size -
W 325 x D 205 x H 270 mm
Weight - 1.20 Kg Cuft - 0.3



Display Stand for Grip Pliers
87116 P.326
Capacity : 12 PC.
Size : 243 x 205 x 200 mm



Display Stand for Measuring Tape
87118 P.434
Capacity : 12 PC.
For all measuring tape
(79093 / 79094 Series)
Size : 309 x 237 x 189 mm



Display Stand for L-wrench Set
87119 P.374
Capacity : 12 sets
For Allen, Spline, Ball, torx with hole
Size : 393 x 154 x 345 mm



Paper Display Stand for Socket Set
87140
Size : 468 x 446 x 250 mm



Bit Display Box
87352 P.356
Overall Size -
W 318 x D 235 x H 183 mm
Weight - 1.30 Kg
Cuft - 0.4



Metal Holder
8711B
Overall Size -
W 600 x D 240 x H 60 mm
Weight - 6.20 Kg
Cuft - 0.9
Reference :
1090PR1 P.424



Socket Shelf
87102 / 87103
Width can be adjustable to display multiple socket series
Single serial socket size tab attached
Overall Size -
W 415 x D 336 x H 320 mm
Weight - 6.85 Kg(87102) /
6.37 kg(87103) Cuft - 0.67
Reference:
3568MR P.154
4072MR / 4572MR P.156
4072SR / 4572SR P.156
4066MR / 4566MR P.158
4066SR P.158
4472MP/4472SP P.208
4466MP/4466SP P.210



Metal Holder for Flat Chisel
87108 P.426



Impact Wrench Hook
91451-01A(1/4"x19 BSPT)
91451-01B(1/4"x18 NPT)
Reference : P.260



Impact Wrench Display Stand
87106 P.260
Applied for 1/2" DR. & 3/4" DR. impact wrench Steel plate with chrome plated air hose adapter attached



T-type Wrench Hanger
9TE21 P.317
Overall length - 120 mm
Weight - 533g

Sign List

Internal hexagon	External hexagon	Bi - hexagon	Spline head	Spline head - tamper resistant	Internal torx	External torx	External torx - tamper resistant	Double square
torx plus- tamper resistant	torx plus	Ribe bit socket	Phillips head	Slotted head	Pozidriv	PlusMinus	Internal square	External square
External square	Ribe socket 12 mm	Ribe socket 10 mm	Axial lock nut	Square	Crowfoot	Hook wrench	External KM locknut	Internal KM locknut
Speical profile for wheel nut	Claw Pickup	Internal square	Hexagon	Pentagon	Ball hex	Flat face - roung	Flat face - square	Milled square face
Internal circlip	External circlip	Thin serrated	Coarse serrated	Smooth	With opening spring	Round jaws	Half-round jaws	Flat & point jaws
Soft wire	Medium hard wire	Hard wire	Piano wire	Europe	America & Asia	Australia & New Zealand	English	Australia
Changeable blade	Guide rollers	Cutter wheel	Outside diameter (O.D.)	Wall thickness	Inside diameter (I.D.)	(mm) Capacity of open jaw	Diameter	
Center cut	With bevel	With small bevel	With very small bevel	Without bevel				
Max. torque	Air inlet	Free speed	Air pressure	Std. bolt size	Air hose	Anvil type	Avg. air consumption	Sound
Vibration level	Litre capacity	Q'ty / Carton	Q'ty / Box	Q'ty / Bag	Q'ty / Blister card	(g)(kg) Weight		
Light weight	1000V	ESD	ISO	CE certificate	VDE certificate	G.S. approval	TUV certificate	



HGV	Commercial Vehicles	Small commercial vehicles	Passenger cars	Buses	Construction vehicles	Agricultural machinery	Motorcycles	Engine series
Agricultural machinery-tiller	Chassis	Steel construction	Assembly line	Factory	Diesel engine	Petrol engine	Timing belt	Timing chain
Strobe	IP Protection	Adjustable lighting	Lumen	Lighting for hours	Watt	Adjustment button	Thickness	Magnetic
USB cable	USB charger	Cable length	Charging time	DC charger	AC charger	Li-ion battery	Battery	IK07/ IP20
10 cm range								



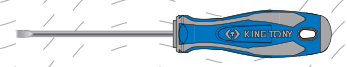
Information-General Safety Recommendations





- Please wear proper safety gear while working.





It all fits together

■ DIN screwdrivers

Slotted screws

Size	2x0.4	2.5x0.4	3x0.5	3.5x0.6	4x0.8	5.5x1	6.5x1.2	8x1.2	10x1.6
Metric screws									
Flat head M ISO 2009		1.6	2	2.5	3	3.5	4 5		
Flat head M DIN 963		1.6	2	2.5	3 3.5	4	5		
Oval head M ISO 2010		1.6	2	2.5	3	3.5	4 5		
Oval head M DIN 964		1.6	2	2.5	3 3.5	4	5		
Cheese head M ISO 1207						3.5	4	5	6
Cheese head M DIN 84		1.6 1.8	2	2.5		4	4	5	6
Pan head M ISO 1580		1.6	2	2.5	3	3.5	4	5	6
Pan head M DIN 85					3	3.5	4 5		6
M DIN 920		2.5	3/3.5	4	5	6	8		10
M DIN 921		1.6	2	2.5	3 3.5	4		5	6
Set M ISO 4766 7435 DIN 551 417	2.5 3	3.5	4		5 6		8		
M ISO 4735 DIN 427	2.5 3	3.5	4		5 6		8		14
Self tapping screws									
Flat head B ISO 1482			2.2		2.9	3.5	4.2 4.8		
Flat head B DIN 7972			2.2		2.9	3.5 3.9	4.2 4.8		
Oval head B ISO 1483			2.2		2.9	3.5	4.2 4.8		
Oval head B DIN 7973			2.2		2.9	3.5 3.9	4.2	4.8	6.3
Pan head B ISO 1481			2.2		2.9	3.5		4.2 4.8	5.5 6.3
Pan head B DIN 7971				2.9	2.9	3.5		4.2 4.8	5.5 6.3

Phillips + Pozidriv

Size	00	0	1	2	3	4
Metric screws						
Flat head M ISO 7046 DIN 965		1.6 2	2.5 3	3.5 5	6	8 10
Oval head M ISO 7047 DIN 966		1.6 2	2.5 3	3.5 5	6	8 10
Pan head M ISO 7045 DIN 7985		1.6 1.8	2.5 3	3.5 5	6	8 10
Self tapping screws						
Flat head B ISO 7049 DIN 7981			2.2 2.9	3.5 4.8	5.5 6.3	
Oval head B ISO 7050 DIN 7982			2.2 2.9	3.5 4.8	5.5 6.3	
Pan head B ISO 7051 DIN 7983			2.2 2.9	3.5 4.8	5.5 6.3	
ANSI screws		0-1	2-4	5-10	12-16	18-...

■ How to find the correct screwdriver

	Slotted	Phillips	Pozidriv	Torx	Torx	Square	Hex	Nut
Classic Screwdriver	1412	1411						
SoftFinish Screwdriver	1422	1421	1428	1423	1427	1424		
Classic Screwdriver (Heavy Duty)	1482	1481						
SoftFinish Screwdriver (heavy Duty)	1462	1461						
Nutspinner								1450 5450 1453
SoftFinish Electric	1472	1471	1478					
Precision Screwdriver	1432	1432	1433					
erchangeable ratchet Screwdriver	32810	32810		32810				
Two-way screwdriver	2411 1317 2431	2411 1317 2431	1317	1317 2433			1317	32810
Torque Screwdriver							3411	

Internal Torx													
			For torx head screw										
			T5	T6	T7	T8	T9	T10	T15	T20	T25	T27	T30	T40
		mm	1.42	1.70	1.99	2.31	2.50	2.74	3.27	3.86	4.43	4.99	5.52	6.65
Metric screws														
Cheese head M	ISO 4762	DIN 912	*	2	*	2.5		3		4	5	**	6	
Flat head M	ISO 4760	DIN 963 965	*	*	*	2.5		3	3.5	4	5	**	6	8
Oval head M	ISO 7047 2010	DIN 964 966	*	2	*	2.5		3	3.5	4	5	**	6	
Cheese head M		DIN 7984 6912	*	*	*	2.5		3		4	5	**	6	
Oval head M	ISO 7045	DIN 7985	*	2	*	2.5		3	3.5	4	5	**	6	
Flat head M	ISO 10642	DIN 7991	*	*	*	2.5		3		4	5	6	**	8
Self tapping screws														
Pan head B	ISO 7049	DIN 7981 7982	*	2.2	*	2.9		3.5	3.9	4.2 5.5	4.8	**	6.3	
Flat head B	ISO 7050	DIN 7972 7983	*	2.2	*	2.9		3.5	3.9	4.2	4.8 5.5	**	6.3	
Oval head B	ISO 7051	DIN 7973	*	2.2	*			3.5	3.9	4.2	4.8 5.5	**	6.3	8

*** Screws for tungsten carbide inserts** **** Special screws**

Index	
ISO International standard	
DIN German standard	
M Metric screws	Thread diameter
M Set screw metric	Thread diameter
M Metric nut	Thread diameter
B Self tapping screw	Thread diameter
	Symbols
Tool drive = screwdriver socket	
for screws with internal drive	
Took drive = Nutdriver socket	
for screws with head drive	

Bits / Sockets for S size

TORX internal screw		T5	T6	T7	T8	T9	T10	T15	T20	T25	T27
	S(ref.mm)	1.42	1.7	2	2.32	2.5	2.74	3.28	3.86	4.43	4.99
	Screws(ref)	M1.5	M2	M2.5	M2.5	M3	M3/M3.5	M3.5/M4	M4/M5	M4.5/M5	M4.5/M5/M6
		T30	T40	T45	T50	T55	T60	T70	T80	T90	T100
	S(ref.mm)	5.52	6.65	7.82	8.84	11.23	13.26	15.54	17.58	19.95	22.16
	Screws(ref)	M6/M7	M7/M8	M8/M10	M10	M12	M14	M16	M18	M20	M22

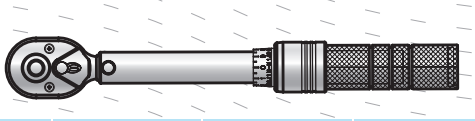
SPLINE		M4	M5	M6	M8	M10	M12	M14	M16	M18	M20
	S(ref.mm)	3.6	4.8	6	7.2	9.6	11.41	13.22	15.63	16.85	19.25
	Screws(ref)	M4	M5	M6	M8	M10	M12	M14	M16	M18	M20

RIBLE		M5	M6	M7	M8	M9	M10	M12	M13	M14	M16
	S(ref.mm)	5	6	7	8	9	10	12	13	14	16
	W(ref.mm)	1.1	1.3	1.4	1.7	1.9	2.2	2.6	3	3.1	3.5
	Screws(ref)	M6	M8		M10	M10	M12				

IPR		IPR8	IPR9	IPR10	IPR15	IPR20	IPR25	IPR27	IPR30	IPR40	IPR45	IPR50	IPR55	IPR60
	S(ref.mm)	2.14	2.33	2.58	3.07	3.63	4.16	4.70	5.22	6.27	7.32	8.32	10.54	12.45

TORX external screw		E4	E5	E6	E7	E8	E10	E11	E12	E14	E16	E18	E20
	S(ref.mm)	3.83	4.72	5.69	6.17	7.47	9.37	10.03	11.12	12.85	14.71	16.64	18.41
	Screws(ref)	M3	M4	M5	M6	M6/M7	M8	M8/M10	M10	M12	M12	M14	M16
		E22	E24	E26	E28	E30	E32	E34	E36	E38	E40	E42	E44
	S(ref.mm)	20.24	22.1	23.85	25.65	27.38	29.16	30.96	32.82	34.67	36.37	38.2	39.98
	Screws(ref)	M18	M18/M20										

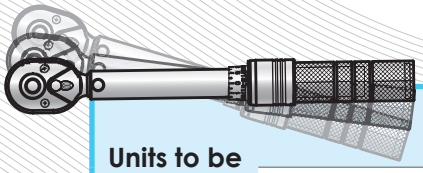
SQUARE		0	1	2	3
	S(ref.mm)	1.73	2.26	2.84	3.32



Torque Data

	mm	mm	Bolts and nuts classes (SAE threads, triangular shape, high pitch 0.15 coefficient)					
			4.8 Torque Nm	5.8 Torque Nm	6.8 Torque Nm	8.8 Torque Nm	10.9 Torque Nm	12.9 Torque Nm
M3	5.5	2.5	0.64	0.8	0.91	1.21	1.79	2.09
M4	7	3	1.48	1.83	2.09	2.78	4.09	4.79
M5	8	4	2.93	3.62	4.14	5.5	8.1	9.5
M6	10	5	5	6.2	7.1	9.5	14	16.4
M8	13	6	12.3	15.2	17.4	23	34	40
M10	16	8	24	30	34	46	67	79
M12	18	10	42	52	59	79	116	136
M14	21	12	67	83	94	127	187	219
M16	24	14	105	130	148	198	291	341
M18	27	14	145	179	205	283	402	471
M20	30	17	206	254	291	402	570	667
M22	34	17	283	350	400	552	783	917
M24	36	19	354	438	500	691	981	1148
M27	41	19	525	649	741	1022	1452	1700
M30	46	22	712	880	1005	1387	1969	2305
M33	50	24	968	1195	1366	1884	2676	3132
M36	55	27	1242	1534	1754	2418	3435	4020
M39	60		1614	1994	2279	3139	4463	5223
M42	65	32	1995	2464	2816	3872	5515	6453
M45	70		2497	3085	3525	4847	6903	8079
M48	75	36	3013	3722	4254	5849	8330	9748
M52	80		3882	4795	5480	7535	10731	12558
M56	85	41	4839	5978	6832	9394	13379	15656
M60	90		6013	7428	8490	11673	16625	19455
M64	95	46	7233	8935	10212	14041	19998	23402

* In order not over-tighten the fastener, please refer manufacturer's service manual, or TORQUE DATA for tightening torque information
* Torque tightening is refer to "thread dimension" of screw, which is M3~M64 size mention above table



Torque Conversion

Units to be	Corresponding unit					
	lbf.in	**lbf.ft**	**kgf.cm**	**kgf.m**	**cN.m**	**N.m**
1 lbf.in	1	0.083	1.152	0.0115	11.3	0.113
1 lbf.ft	12	1	13.83	0.138	135.6	1.356
1 kgf.cm	0.868	0.072	1	0.01	9.807	0.098
1 kgf.m	86.8	7.233	100	1	980.7	9.807
1 cN.m	0.088	0.007	0.102	0.001	1	0.01
1 N.m	8.851	0.738	10.20	0.102	100	1

1 Nm = 0.738 ft.lb. = 8.85 In.lb. = 0.10 Kgf.m = 10.20 Kgf.cm



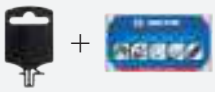
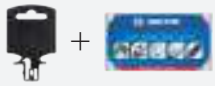
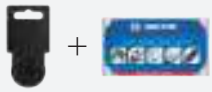
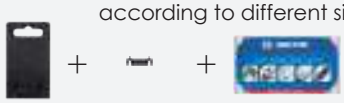
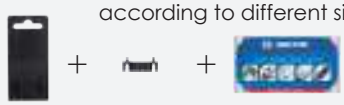
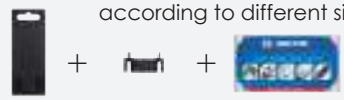
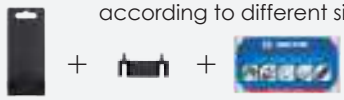
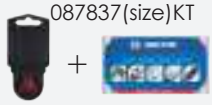
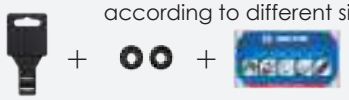
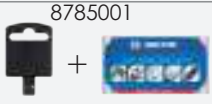
Torque Data

IMPERIAL

inch	threads per inch	Bolts and nuts classes (SAE threads, triangular shape, high pitch 0.15 coefficient)			
		307A A Torque ft.lb.	5 Torque ft.lb.	8 Torque ft.lb.	9 Torque ft.lb.
Coarse Thread Series					
1/4	20	32 in-lbs	76 in-lbs	107 in-lbs	126 in-lbs
5/16	18	66 in-lbs	157 in-lbs	221 in-lbs	259 in-lbs
3/8	16	10	23	33	38
7/16	14	16	37	52	61
1/2	13	24	57	80	94
9/16	12	35	82	115	135
5/8	11	48	113	159	186
3/4	10	85	200	282	331
7/8	9	136	322	455	533
1	8	204	483	681	799
1-1/4	7	409	840	1363	1597
1-1/2	6	711	1462	2371	2779
Fine Thread Series					
1/4	28	37 in-lbs	87 in-lbs	123 in-lbs	144 in-lbs
5/16	24	73 in-lbs	174 in-lbs	245 in-lbs	287 in-lbs
3/8	24	11	26	37	43
7/16	20	18	41	58	68
1/2	20	27	64	90	105
9/16	18	39	91	128	151
5/8	18	54	127	180	211
3/4	16	94	223	315	369
7/8	14	150	355	502	588
1	14	229	542	765	896
1-1/4	12	453	930	1509	1768
1-1/2	12	800	1645	2668	3127

* note: Torque-Tension relationship for ASTM A307 Grade A(SAE J2), SAE J429
Grade 5, SAE J429 Grade 8 & FNL Grade 9 Bolts.
* note: Torque values for 1/4" and 5/16" are in inch-pounds. All other torque
values are in foot-pounds.

Hanger No. List

	Hanger No.	Suitable Size	Hanger No. (with product)
Socket Hanger for 1/4" DR. Socket	08782100 	1/4"DR. Socket	 KT No. & D1
Socket Hanger for 3/8" DR. Socket	08783100 	3/8"DR. Socket	 KT No. & D1
Socket Hanger for 1/2" DR. Socket	08784100 	1/2"DR. Socket	 KT No. & D1
Socket Hanger for 3/4" DR. Socket	08786100 	3/4"DR. Socket	 KT No. & D1
Hanger for 1/4" DR. Accessories	08782102 	1/4"DR. Ratchet, sliding T-handle, flexible handle	 KT No. & D1
Hanger for 3/8" DR. Accessories	08783102 	3/8"DR. Ratchet, sliding T-handle, flexible handle	 KT No. & D1
Hanger for 1/2" DR. Accessories	08784102 	1/2"DR. Ratchet, sliding T-handle, flexible handle	 KT No. & D1
Hanger for Wrench	8781103 choose suitable hangers according to different sizes 	For example,1060 6~9mm	 KT No. & D1
Hanger for Wrench & Nut Spinner	8781100 choose suitable hangers according to different sizes 	For example,1060 10~19mm & nut spinner	 KT No. & D1
Hanger for Wrench	8781101 choose suitable hangers according to different sizes 	For example,1060 20~23mm	 KT No. & D1
Hanger for Wrench	8781102 choose suitable hangers according to different sizes 	For example,1060 24~32mm	 KT No. & D1
Hanger for Speed Wrench	087837(size)KT 	Speed wrench, open-side speed wrench size, 8~24mm	 KT No. & D1
Hanger for Screwdriver	8785100 choose suitable rubber rings according to different sizes 	Screwdriver, hex key, spline L-wrench, star L-wrench, L-type wrench, T-type wrench	 KT No. & D1
Hanger for Power Driving	8785001 	Power driving 9.5mm groove	 KT No. & D1

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