



KA-6277 Oil Pressure Switch Socket

- 1/2"DR x 1" & 1-1/16" x 90mmL



KA-6273C Oil Sender Unit Socket

- 3/8"DR x 1" & 1-1/16" x 74mmL



KA-6274 Oil Pressure Switch Tool

Quick removal and replacement of oil pressure sending units. Two-step design fits 1" & 1-1/16" oil pressure sending units. Use 3/8" square driver or 3/4" hex tool.



KA-3202 Hex Socket

- 1/2"DR.
- 27mm x 6PT x 78mmL
- Suit for VW-Audi, Seat and Škoda 4- and 5-cylinder engines



KA-3203 Deep Hex Socket

- 9/16" x 21 x 82mmL
- VW-Audi, BMW, Mercedes, Jap. Cars, Volvo



KA-3204 Deep Hex Socket

- 9/16" x 19 x 82mmL
- VW-Audi, Seat, Citroën, Fiat, Opel/Vauxhall, Peugeot, Renault, Jap. cars



KA-3186 Pantagon Socket Driver 19mm

- For using on bendix brakes system.
- Application: PEUEOT, CITROEN.
- Material: CR-V
- Use with 1/2" Drive wrench
- 1/2"DR x 19mm



KA-3186A Pantagon Bit Socket Driver 10mm

- For using on most vehicles fitting with brake systems.
- Material: CR-V
- Use with 1/2" Drive wrench
- 1/2"DR x 10mm



KA-3156 Coolant Temperature Sensor Socket

- For remover and installation of coolant temperature sensor
- Fits Nissan cars and trucks with 3.0L V6 engines
- Similar design to factory tool



KA-3188 4 Lug Drive Pinion Shaft Flange

- 1/2" x 40 x 88.3mmL
- For use on 1982-1990 3/4 and 1 TON GM heavy duty trucks, 1985 to current 1/2 TON Ford F-Series and full size Bronco with DANA 28 front axle, 1985-1/2 to current Ford F-250 heavy duty truck, 1985-1/2 to current Ford F-350 4x4, DANA 50 IFS and Model 60 monobeam outer adjusting nut. Heavy duty Chrome Moly Alloy Steel construction.



KA-3188A 1/2"DR. 4 Lug Spindle Nut Wrench

Specially designed socket removes Ford Hi-Shear F 150/350 rear axles, 3/4 & 1 ton truck with 10-1/4" axles, F-Super duty truck with Dana 80 rear axles. 1/2" drive 2-13/32 I.D.



KA-3188B 1/2"DR. 2 Lug Spindle Nut Wrench

This 2-lug wrench removes spindle nuts found on 1988 and newer Isuzu pick-up, Trooper, Amigo and Rodeo vehicles. It features uniquely designed lugs for strength. Use with 1/2" square drive tool. Caution: Wear eye protection. Do not use with power tools.



Hand Socket

- Chrome molybdenum steel,
- 1/2"DR x 90mm x 6PT

KA-3193A	29mm	KA-3193F	34mm
KA-3193B	30mm	KA-3193G	35mm
KA-3193C	31mm	KA-3193H	36mm
KA-3193D	32mm	KA-3193I	38mm
KA-3193E	33mm		



Axle Nut Socket (Hand Socket)

- Large metric hex sizes for removing and installing front hub / axle nuts.
- Available in two grades.

1/2"DR x 78mm x 6PT

KA-3194A	28mm	KA-3194F	36mm
KA-3194B	32mm	KA-3194G	38mm
KA-3194C	33mm	KA-3194H	40mm
KA-3194D	34mm	KA-3194I	41mm
KA-3194E	35mm		

1/2"DR x 78mm x 12PT

KA-3194J	27mm	KA-3194K	36mm
----------	------	----------	------

3/4"DR

KA-3194L	50mm x 66mm x 12PT
KA-3194M	65mm x 78mm x 6PT
KA-3194N	65mm x 78mm x 12PT



Hand Socket

KA-3195A	3/4"DR x 45mm x 63mmL x 6PT
KA-3159B	3/4"DR x 46mm x 63mmL x 6PT



3/8" (9.5mm) Tap Holder Socket

()

Attach to any 3/8" Ratchet Wrench or T-bar to use.

ソケット用ハンドルでタップ作業ができます

KA-2985	Capacity: M4 ~ M8
KA-2986	Capacity: M10 ~ M12
KA-2987	Capacity: M13 ~ M14

Attach to Ratchet Wrench



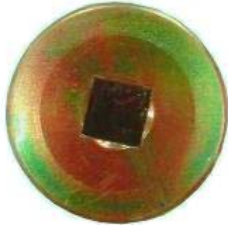
Attach to T Bar or Ratchet Wrench





KA-3189K Socket Cap Set

- 1/2" x 3/4 six hex x 29.6mmL
- 3/8" x 5/8 six hex x 22.3mmL
- 1/4" x 3/8 six hex x 17mmL



KA-3197 Crankshaft Socket Tool

Rotates crankshaft during engine assembly. All small block Ford, Buick and Pontiac.



KA-3935 Crankshaft Turning Sockets

- Designed to easily rotate the crankshaft during engine assembly.
- Manufactured from heat treated alloy steel.
- Gold iridite plated for maximum corrosion resistance.
- 1/2" square drive.

Part No.	Applications
KA-3935A	Small Block Chevy V8, 90° V6
KA-3935B	Big Block Chevy V8
KA-3935C	Ford, Buick, Olds, Pontiac with 3/16" keyway



KA-3154 7mm Allen Socket

3/8" drive. The short length of this socket (24mm) allows for easy removal of the rear brake caliper slide bolts.

Applicable: BMW E36 chassis (newer 3 series) and E31 chassis (8 series).



KA-3157 8mm Socket

3/8" drive, 24mm long, for R & R of screw on visco fan coupling with radiator in place. Used in conjunction with tool #0040.

Applicable: Engines M103, 104, 119, 120, OM 602, 603, 605 & 606.



KA-3076 VW and Audi Strut Nut Socket

Because the top shock retaining nut on VW and Audi FWD cars is recessed inside the strut tower, conventional methods for removing and installing it just won't work. The 1-3/4" long socket reaches down into the recess and fits the slot in the top of the nut. Center bore allows you to use a hex key to hold the strut shaft from turning, and the 7/8" (22mm) hex can be gripped with a wrench.



Budd Wheel Deep Impact Socket

Socket removes and installs budd-type wheel fasteners. It has 2 openings, 13/16" square and 1-1/2" hex, eliminating the need for 2 separate sockets. It is designed for use with power impact tools.

KA-3158 3/4" x 1-1/2" x 13/16 x 98mmL

KA-3160 1" x 1-1/2" x 13/16 x 98mmL



KA-3210 Impact Socket

3/4" DR. x 28mm(30mm, 33mm) x 6PT x 63mm long



KA-3209A Impact Socket

1/2" DR. x 36mm x 6PT x 50mm long.



KA-3209B Impact Socket

1/2"DR x 1-5/16" x 6PT x 48mm long.



KA-3196A



KA-3196B

Air Impact Adaptor

Made from high quality Chrome Molybdenum steel.

KA-3196A 3/4"F x 1"M

KA-3196B 1"F x 3/4"M



KA-2055 6pcs 1/2" & 3/4" Special Impact Socket Set

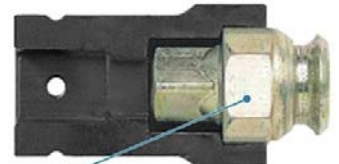
- 1/2" dr. socket: 25, 27, 29, 30mm
- 3/4" dr. socket: hex at 60mm (18mm and 21mm grooved)

KA-3232K 1" Drive 5 PCs Budd Wheel Socket Set

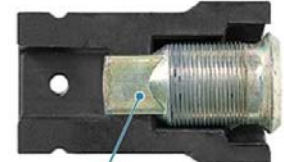
their extra deep design lets you remove both nut and stud with just the one socket. They are usable with a 1" square impact wrench.



35 mm × 17 mm	For front and rear axle wheels on Isuzu, Hino, Mitsubishi Fuso and import trucks.
38 mm × 20 mm	
41 mm × 21 mm	
33 mm	For Mack Midliner, Volvo, White and import trucks with dual rear wheels.
1-1/2 × 13/16	For American – made trucks with dual rear wheels.



Hex fits the outer nut



Inner square fits the stud

1/2" Dr. Impact Socket Set (CR-V)

KA-4152 10pcs/set

METRIC: 10,11,12,13,14,17,19,21,22,24MM

KA-4153 10pcs/set

SAE: 7/16,1/2,9/16,5/8,11/16,3/4,13/16,7/8,15/16,1"

KA-4154 14pcs/set

METRIC SIZE: 10,11,12,13,14,16,17,19,21,22,24,27,30,32MM

KA-4155 14pcs

SAE: 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"



KA-3205K 3/4" Dr. Sq. 8pc Deep Impact Air Socket

■ 3/4" x (24,27,30,32,33,36,38,42) x 90mmL

1/2" Dr. 10pcs Deep Impact Socket Set

KA-4172 Size: 10,11,12,13,14,17,19,21,22,24mm

KA-4173 Size: 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1"



1/2" Dr. 15pcs Deep Impact Socket Set

KA-4174 Size: 10,11,12,13,14,16,17,18,19,21,22,24,27,30,32mm

KA-4175 Size: 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"





KA-3237K Front Wheel Drive Axle Nut Socket

- 1/2" x (27,28) x 78mmL x 6PT
- 1/2" x (29,30,32,34,35,36) x 90mmL



KA-3236K Spindle Nut Wrench Set

Removes and installs 2/4 wheel drive light truck axle lock nuts.
Do not use with power tools.

Contents and Applications:

Toyota 1995 and newer Tacoma, 1996 and newer T100 and 4 Runner.
1985 to late Ford F250-350 truck rear axle with hi-shear rotating nut and Ford Dana 80 truck rear axles.

1960 to current 1/2 Ton Chevrolet and GMC,

1966 to current Bronco, Blazer and Scout,

1959 to current Ford F100-250 series,

1969 to current Dodge 1/2 Ton vehicles.

1978 to current Ford 3/4 Ton and 1 Ton vehicles.

1973 to 1981 GM 3/4 Ton and 1 Ton vehicles.

1986 to current Ford Bronco and Ranger with Dana 44 axles,

1960 to current Bronco, Blazer and Scout,

1959 to current Ford F100-250 series,

1969 to current Dodge 1/2 Ton vehicles

Works on common 1/2 and 3/4 Ton 4-wheel drive pickup spindles.



KA-3230A Axle Nut Socket Set

For removal or installation of axle nuts on front wheel drive vehicles 1/2" Drive 6-point design Heavy duty Chrome Moly Alloy Steel construction.

29mm Fits late model GM and Ford Escort & Fiesta 1985 current.

30mm GM "X", "J" and "A" body style cars.

31mm Honda.

32mm Late model Honda & Chrysler front wheel drive vehicles.

33mm Fits many GM and Chrysler applications.

34mm 1991 through current: Buick Electra, Cadillac Fleetwood & De Ville,

Oldsmobile 98. 1992 through current: Buick Le sabre & Riviera, Cadillac

Eldorado & Seville, Chevy Lumina, Oldsmobile Delta 88 & Silhouette &

Toronado, Pontiac Bonneville & Transport. 1993 through current: Cadillac

Allante.

35mm Fits many late model GM vehicles.

36mm GM "E" body style cars.

38mm for Rover Allego, Metro, Mini 1100, 1300 flywheel nuts and ball joints.



3/8" Dr. Socket Set With Magnetic

- Material: CR-V
- MOQ: 200pcs / per size

KA-39190S-8: 8mm

KA-39190S-10: 10mm

KA-39190S-12: 12mm

KA-39190S-13: 13mm

KA-39190S-14: 14mm



3/8" Dr. Deep Socket Set With Magnetic

- Material: CR-V
- MOQ: 200pcs / per size

KA-39190-7: 7mm

KA-39190-8: 8mm

KA-39190-10: 10mm

KA-39190-12: 12mm

KA-39190-13: 13mm

KA-39190-14: 14mm

Truck Pinion Locknut Sockets

Seven sockets, engineered with the proper clearance to fit the yoke and locknut assembly on a wide variety of truck transmissions/differentials. Sockets have 3" of usable depth, 4" overall length. Eliminates the need to gring or modify a standard socket to provide the necessary clearance.



No.	Hex	A	B	C	D	E
KA-3219	2"	59.94	67.31	76.2	25.91	104.14
KA-3220	2-1/8"	62.99	71.37	76.2	25.91	104.14
KA-3221	2-1/4"	66.04	75.95	76.2	25.91	104.14
KA-3222	2-3/8"	70.1	80	76.2	25.91	104.14
KA-3223	2-1/2"	72.9	83.06	76.2	25.91	104.14
KA-3224	2-5/8"	75.95	86.87	76.2	25.91	104.14
KA-3225	2-3/4"	77.98	91.44	76.2	25.91	104.14
KA-3226	55mm	64	72.39	76.2	25.91	104.14
KA-3227	65mm	73.91	84.58	76.2	25.91	104.14

KA-6698K 1/2" Dr. 7pcs Wheel Bearing Locknut Socket Set



KA-6698A	55mm hex locknut socket designed for use on front wheel adjusting nuts found on Toyota Ej, Ln and AN models.
KA-6698B	2-3/8" hex locknut socket works on 1984-92 Ford rangers & bronco II with automatic locking hubs.
KA-6698C	2-1/2" rounded hex locknut socket fits hex nut found on rear axles and various front axles application on light-duty trucks.
KA-6698D	2-1/2" rounded hex locknut socket. Works on 1995-96 Ford F/150 trucks and full-sized Broncos with automatic locking hubs.
KA-6698E	2-3/4" rounded hex locknut socket. Works on 3/4 and 1-ton Ford F-250 and F-350 trucks with automatic locking hubs.
KA-6698F	2-9/16" rounded hex locknut socket. Works on 1990-1993 Dodge trucks with Dana 60 manual hubs.
KA-6698G	2-3/8" rounded hex locknut socket. Works on 1999-newer Ford Bangers. Bronco Iis, and Explorers with automatic locking hubs.

KA-6789 AdBlue Filter Socket

- The socket is designed to remove and install the AdBlue filter (Urea filter) housing cap.
- Suitable for Mercedes commercial vehicles with BlueTec engines: Actros, Atego, Axor, Econic.
- 3/8"Dr. x 46mm



KA-3233 1/2" Dr. Wheel Bearing Locknut Socket

- 1/2" x 2-1/2"-6R x 85mmL



KA-3234 1/2" Dr. Wheel Bearing Locknut Socket

- 1/2" x 2-3/4"-6R x 85mmL



KA-3231 5pc Fwd Axle Nut Socket Set

1/2" x (29,30,32,34,36) x 78mmL
 29mm late model GM, Ford Escort, Fiesta.
 30mm for Ford GM "X" and "A" style cars.
 32mm late model FWD Honda & FWD Chrysler cars.
 34mm late model Buick, Cadillac, Chevy, Oldsmobile & Pontiac.
 36mm for GM "E" style cars.



KA-3235K Front Wheel Drive Axle Nut Socket

- 1/2" x (29,30,32,34,35,36,38) x 90mmL x 6PT



KA-3228 Front Wheel Bearing Locknut Socket

For 1995-2002 4WD TOYOTA TACOMA AND 1996-2002 4WD TOYOTA T100 AND 4RUNNER, ALL WITH LOCKOUT HUBS



KA-3184 Toyota Locknut Wrench

Toyota's front wheel bearing design change requires a new procedure to remove the locknut; the free wheel hub assembly's locknut is on the inside, so the hub must be removed to gain access. This wrench's four-pin design accommodates the four holes in each locknut, which prevents slippage under high torquing requirements. Works on 1995 and newer Tacoma, and 1996 and newer T100 and 4 Runner.



KA-4233 Shock Absorber Socket

For X and J body GM cars.
 Fits 6.1mmx8mm "DOUBLE D" stem found on many General Motors OEM shocks. 3/8" drive.



KA-4235 VW Drain Plug Socket

17mm x 3/8" square drive for removing and installing Volks transmission drain plugs. Recessed for full wrenching engagement over magnet. 3/8" female square drive and 17mm male hex alloy steel. Heat-treated and zinc plated. Socket is 1-1/4" long. Not for impact use.



KA-3176 Ball Joint Socket

For medium-size Chrysler cars. 3/4" square drive. Wrench size is 1-59/64", length is 2".



KA-3177 Ball Joint Socket

For Chrysler pick-ups and vans. 3/4" square drive. Wrench size is 2-9/64", length is 2".



Lower Ball Joint Socket

Suitable for removal of OEM and aftermarket lower ball joints on Peugeot and Citroen.

	KA-3180	KA-3180A
Profile	Ø51mm	Ø60mm
Length	45mm	57mm
Application	Peugeot 405 / Citroen	Peugeot 407,607 / Citroen C5, C6



KA-6454 Tie Rod End Socket

- Universal application.
- Fits most cars and some trucks.
- Designed for the quick and trouble-free removal and installation of the tie rod ends.
- After separating the ball joint from steering knuckle, slip tool over tie rod end and remove.

U-opening	Length	Inner Ø	Drive
34 x 18.5mm	57.5mm	49mm	1/2" Square



KA-3179 Truck Tie Rod Socket

Designed for use with 3/4" drive impact wrench, this rugged socket makes inner and outer tie rod end removal a simple task. Fits tie rods on 12,000 through 16,000 lb. truck front axles.



KA-3782

33 Teeth Diesel Fuel Injection Socket For Mercedes Benz



- Used for installing and removing the pressure valve holder on MRSF-ERE injection pump on, Mercedes-Benz diesel engines: 601, 602, 603, 605, 606, 615, 616, 617.
- Drive: 1/2" Square drive.



**80mm Wheel Nut Socket For SCANIA****KA-6293 KA-6293A**


This eight sided 80mm socket is specifically for front wheel nut sockets on SCANIA trucks.

SCANIA front wheel nut socket.

Item No.	Inner Ø	Outer Ø	Height	
KA-6293	80mm	100mm	102mm	 41mm
KA-6293A	80mm	100mm	90mm	 1"


**KA-3705 SCANIA 10 Wheels Cab Third Axle Nut Socket**

- 3/4" Dr. , 8 point, 95mm
- Control the nut with slide rod to adjust bearing.
- This eight sided 95mm socket is specifically for rear wheel nut sockets on SCANIA, YORK, FUSO trucks.
- Application: SCANIA CAB, YORK HAULAGE, FUSO 10.5 tons truck
- FUSO original parts No.: MC870996

Inner Ø	Outer Ø	Height	
95mm	118mm	84mm	3/4"


**KA-3706 SCANIA 8-Speed Bus Transmission Nut Socket**

- 3/4" Dr. , 58mm
- This special socket removes.
- Transmission nut on SCANIA bus 8-speed.

Inner Ø	Outer Ø	Height	
58mm	78mm	76mm	3/4"

**KA-3706A****SCANIA Transmission Clutch Front Main Axle Nut Socket**

- 3/4" Dr. , 64mm
- This special socket removes.
- For extracting / installing the front main axle of transmission clutch nut on SCANIA truck with ten speeds automatic transmission.

Inner Ø	Outer Ø	Height	
64mm	79mm	78mm	3/4"

**KA-3706B SCANIA Truck (310/320) Transmission Socket**

- 3/4" Dr.
- This special socket removes.
- European truck repair tool

Inner Ø	Outer Ø	Height
63/64mm	70mm	65mm



KA-8203
Antenna Nut Socket
 Four-prong socket has 11/16" external hex. Nickel/chrome finish. Services: 1985-90 Ford Taurus and Mercury Sable, 1990 Lincoln Mark VLL.



KA-8204
Antenna Nut Socket
 Four-prong socket has 11/16" external hex. Nickel/chrome finish. Services: 1988-90 GM Cavalier and Sunbird, 1988-90 GMT400 pick-up trucks C and K, 1989-90 Lincoln Town car and Continental, 1990 Toyota C army and Celica, Chrysler/Mitsubishi tazer and Eclipse, Mitsubishi Galant and Sigma.



KA-8205
Power Antenna Nut Socket
 Four-prong socket has 3/4" external hex. Overall length is 44.5mm. Nickel/chrome finish. Services: 1977-current GM cars.



KA-8206
Antenna Nut Socket
 Three-prong socket has 11/16" external hex. 3/4" in diameter, 1-1/2" long. Nickel/chrome finish. Services : 1987-current Chrysler vehicles.



KA-8207
Ball Joint Socket
 For use on 4-5 B axles such as found on Dodge, Ford, Chevrolet, GMC and international four wheel drive trucks. Adjusts the sleeve in the top of the yoke on the front suspension. 1/2" square drive, 1" O.D., 2-1/8" long.



KA-8208
Antenna Nut Socket
 Two-prong socket has 11/16" external hex. Nickel/chrome finish. Services: 1989-90 Ford probe, 1989-90 Mazda Rx7 and 926, Nissan Stanza and Maxima.



KA-8210 3/8" Drive Remote Control Mirror Socket
 Suit Ford. & VW

KA-8209 Radio Trim Nut Socket
 Suit GM & Ford vehicles.



KA-8202 5 PCs Special Socket Set
 These special pin sockets are used for removing and installing bezel nuts when servicing antennas, aerials and remote control mirrors. Suits: Chrysler, Ford, GM, GMC, Mazda, Mercury, Mitsubishi, Nissan, Toyota and other vehicles.



KA-8201 8 PCs Special Socket Set
 Service: Mercedes, BMW, VW, GM, Audi, Ford, Honda, Mazda, Nissan, Mitsubishi. Toyota vehicles.



4pcs Stud Puller Wrench Set

- Chrome vanadium steel
- Special designed for using on screw damaged or without head to screw up and pull up.

KA-6432 1/2"Dr. x 6, 8, 10, 12mm (or 1/4", 5/16", 3/8", 7/16")

KA-6432B 3/8"Dr. x 6, 8mm & 1/2"Dr. x 10, 12mm



KA-6505 6pcs Stud Puller Wrench Set

Function: Screw without head; screw up; pull up

Advantage: 1. quick function 2. damage to stud.

Ways in use: Put stud puller wrench on screw, then handle on it; Turn it up or down.

Made of chrome vanadium

Size: 3/16", 1/4", 5/16", 3/8", 7/16", 1/2"

Warning: use torque range less than

3/16"-15FT-LB(20NM)

3/8"-25FT-LB(33NM)

1/4"-15FT-LB(20NM)

7/16"-25FT-LB(33NM)

5/16"-15FT-LB(20NM)

1/2"-25FT-LB(33NM)



KA-6504 7pcs Stud Puller Wrench Set

Function: Screw without head; screw up; pull up

Advantage: 1. quick function 2. damage to stud.

Ways in use: Put stud puller wrench on screw, then handle on it; Turn it up or down.

Made of chrome vanadium

Size: 5mm, 6mm, 7mm, 8mm, 10mm, 12mm, 14mm

Warning: use torque range less than

5mm-15FT-LB(20NM)

10mm-25FT-LB(33NM)

6mm-15FT-LB(20NM)

12mm-25FT-LB(33NM)

7mm-15FT-LB(20NM)

14mm-25FT-LB(33NM)

8mm-15FT-LB(20NM)



KA-3238 8pcs Stud Extractor/Installer Socket Set

- CR.V STEEL

- Size: 3/8" Dr. 6-8mm & 5/16"-1/4"

- 1/2" Dr.10-12mm & 3/8"-7/16"



KA-4120 19pcs 3/8" & 1/2" Dr. Twist Socket Tool Set

10- 3/8" Dr. Anti-skid Socket : 8-10-11-12-13-14-15-16-17-19mm

4- 1/2"Dr. Stud Extractor / Installer Socket: 6-8-10-12mm

5- Screw Extractor Set: 1/8"-1/4", 1/4"-5/16", 5/16"-7/16", 7/16"-9/16", 9/16"-3/4" (Plastic case)



Multi-Function Socket Set

For use with hydraulic, A/C and plumbing fitting, tie-rod ends, O2 sensors and diesel injectors.

For hard to reach fasteners where an open end wrench will not work.

- Sockets fit both Metric and SAE.
- Great for damaged or worn nuts.
- Closed ring socket for seized track rod locking nuts.
- Square drive can be used with torque wrench or breaker bar for precise tightening.
- Closed socket ensures a tight grip, it will not spread open to release nut.

KA-3655A size: 3/8" dr.-11, 12, 13, 14, 16mm (7/16", 1/2", 9/16", 5/8")

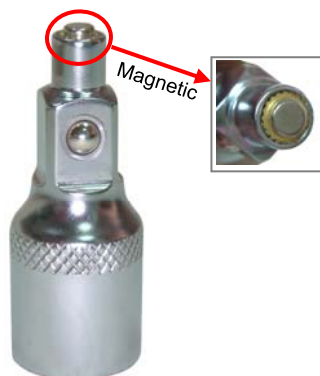
KA-3655B size: 1/2"dr.-17, 18, 19, 20, 21, 22, 23, 24mm (11/16", 3/4", 13/16", 7/8", 15/16")



KA-4119 4pc Diesel & Pressure & Injector Socket Set

Square drive nominal size 1/2"(12.5mm), for mounting, dismantling and tightening the pressure nut at the nozzle holder on commercial vehicles MERCEDES-BENZ M 401/421, M 402/422, LA, A, M 403/423, M 470h,

- 1/2"Dr. x 72mm(L) x 4 toothes
Mercedes Trucks engines OM401/421,OM403/423,LA,A,OM470
- H32 x 70mm(L) x 4 toothes With M14 x 1.5mm receiver thread
Mercedes Trucks,Neoplan,Setra
- H32 x 120mm(L) x 4 toothes
MAN.Mercedes,
- 1/2"Dr. x 120mm(L) x 3 toothes
Mercedes Trucks
Also for IVECO,SCANIA, RENAULT.



KA-8358 3/8" Dr. Magnetic Adapter

- 3/8" internal drive
- Chrome finish
- Dimension A : 7MM
- Dimension B : 9/32" (7.1MM)
- Dimension C : 1-25/32" (4.5MM)



KA-6984 Wheel Lug Socket for Mercedes Benz

- Install the socket onto the wheel nut for removal / installation.
- Specially designed socket can work fast and without damaging the wheel nut protection jacket.
- Applicable to: Maybach and Mercedes 221 S-class and late model CL-class.
- Fits Mercedes wheel lug bolt part number 000 990 5407



Specification:

Size	17mm
Length:	78mm
Drive	1/2" dr
Material	Cr-Mo SCM440
Hardness	HRC43-46 degree
Surface finish	Phosphate(black)



KA-3680 105mm



KA-3681 98mm



KA-3682 95mm

Axle Nut Socket With Guide Band

- Six sided drive SW 36.
- Positive drive of the axle nut.
- Any extensive slipping is avoided.
- Milled out profile.
- Robust execution.
- Can be used with an impact wrench or torque wrench.
- Special steel.

Item No.	SW mm	mm	Ø mm	H mm	kg	Application
KA-3680	105.0	36.0	134.0	118.0	2.37	Iveco Eurotech Cursor HA, etc
KA-3681	98.0	36.0	122.0	117.0	2.28	Iveco Euro Cargo etc
KA-3682	95.0	36.0	118.0	157.0	2.65	Mercedes Benz axle trailers



KA-3693A 60 - 67mm



KA-3693B 54 - 60mm



KA-3693C 46 - 52mm

Sleeve Locating Tube

- Practical connector system with fixing screw.
- Usably for different groove socket nuts(module systems).
- Enables stable work position.
- Prevents slippage of the socket.
- Extremely robust execution.
- Change through loosening of the grub screw on the hexagon.
- Special steel.

Item No.	Inner Ø mm	Outer Ø mm	L mm	kg
KA-3693A	60.0	67.0	140.0	832
KA-3693B	54.0	60.0	140.0	690
KA-3693C	46.0	52.0	140.0	512



KA-3692 BPW Axle Nut Socket

- For the dismantling and assembly of BPW axle nuts
- Extremely versatile
- Flat oval form
- Suitable for exact torque with a 3/4" square drive
- For machinery usage
- Special steel

SW mm	mm	Ø mm	H mm	kg
65	36	82	66	1.07

**KA-3687 Groove Nut Socket With 6 Studs – 95 ~ 115mm**

- Internal square drive to DIN 3121 /ISO 1174.
- Optional with sleeve locating tube.
- High accuracy of fit.
- Extremely robust execution.
- Suitable for high tightening and loosening torque.
- Special steel.
- Application: Mercedes Benz und MAN 10+13t Reduction axle, Hypoid-and Trailer axle NR7/4, Omnibus 0305 G + 0405G, etc.

Inner Ø mm	Outer Ø mm	H mm	Stud Ø mm	Stud	Stud width mm	kg
95.0	115.0	110.0	101.0	6	11.5	2.87

**KA-3688 Groove Nut Socket With 6 Studs – 105 ~ 125mm**

- Internal square drive to DIN 3121 /ISO 1174 .
- Rigid Locating tube.
- High accuracy of fit.
- Extremely robust execution.
- Suitable for high tightening and loosening torque.
- Special steel.
- Application : Mercedes Benz Actros Rear axle, HL/HL 8 (Hypoid), etc

Inner Ø mm	Outer Ø mm	H mm	Stud Ø mm	Stud	Stud width mm	kg
105.0	125.0	180.0	116.0	6	10.0	2.95

**KA-3689 Groove Nut Socket With 6 Studs – 80 ~ 90mm**

- Internal square drive to DIN 3121/ISO 1174.
- Rigid locating tube.
- Optional with expander sleeve (bayonet locking system).
- High accuracy of fit.
- Extremely robust execution.
- Suitable for high tightening and loosening torque.
- Special steel.
- Application: Mercedes Benz Atego Rear axle, Vitaro 814, MAN, etc

Inner Ø mm	Outer Ø mm	Locating Tube Ø mm	H mm	Stud Ø mm	Stud	Stud width mm	kg
80.0	95.0	49.0	175.0	87.0	6	10.0	1.63

**KA-3690 Groove Nut Socket With 6 Studs**

- Internal square drive to DIN 3121 / ISO 1174 .
- Six sided drive SW 60.
- Optional with sleeve locating tube.
- High accuracy of fit.
- Extremely robust execution.
- Suitable for high tightening and loosening torque.
- Special steel.
- Application: MAN TGA Front axle, V9-82L-01(Disk brake/ABS), etc.



Inner Ø mm	Outer Ø mm	H mm	Stud Ø mm	Stud	Stud width mm	kg
134.0	147.0	160.0	118.0	6	12	4.65

**KA-3691 Groove Nut Socket With 6 Studs**

- Internal square drive to DIN 3121 /ISO 1174.
- Six sided drive SW 60
- High accuracy of fit.
- Extremely robust execution.
- Suitable for high tightening and loosening torque.
- Special steel.
- Application range: MAN TGA Front axle, V9-82L-01 (Disk brake/ABS),etc.

Inner Ø mm	Outer Ø mm	H mm	Stud Ø mm	Stud	Stud width mm	kg
101.0	110.0	80.0	93.0	6	7.2	2.65

**KA-3685 Groove Nut Socket - 134 ~ 147mm**

- Internal square drive to DIN 3121 / ISO 1174 .
- Six sided drive SW 60.
- Optional with sleeve locating tube.
- High accuracy of fit.
- Extremely robust execution.
- Suitable for high tightening and loosening torque.
- Special steel.
- Application: MAN TGA Front axle, V9-82L-01(Disk brake/ABS), etc.

Inner Ø mm	Outer Ø mm	H mm	Stud Ø mm	Stud	Stud width mm	kg
134.0	147.0	110.0	118.0	6	12.0	3.82

**KA-3686 Axle Nut Socket 140mm**

- Positive drive of the axle nut.
- Robust execution.
- Can be used with an impact wrench or torque wrench.
- Ideally suited for brake restoration working.
- Forward tension with SW 32mm is at 150 N-m.
- Angle of rotation 20-30 with SW 46.
- Special steel.
- Application : SAF Euro axle, etc

SW mm	● mm	H mm	kg
140.0	32/46	135.0	3.94

3/4" Clamp Nut Socket

- For professional loosening and tightening.
- Extremely versatile.
- Rectangular form.
- Usably with rectangular clamp nuts on the axle stub.
- Suitable for exact torque with a 3/4" square drive.
- Milled out profile.
- For machinery usage.
- Special steel.
- Application : DAF, Mercedes Benz, kassbohrer-Setar, MAN



Item No.	Inner Ø mm	Outer Ø mm	L mm	kg
KA-3683	56.0	3/4"	53.0	921
KA-3684	60.0	3/4"	53.0	816

BPW Rear Hubcap Nut Socket**KA-3211 KA-3212**

Special heavy duty eight point socket to suit BPW rear axle hub retaining cap nuts found on later model Japanese commercial trucks, tractors and other automotive industrial equipment.



	KA-3211	KA-3212
Inner Ø	4-5/16" (109mm) 8 Point opening	4-3/4" (120mm) 8 Point opening
outer Ø	129mm	143mm
Height	94mm	95mm
Male Hex Drive ●	1-5/8" (41mm)	1-5/8" (41mm)
Application	BPW 12 tons	BPW former 16 tons

KA-3213 BPW Rear Hubcap Nut Socket

Special heavy duty oval shape socket with two flats on the side to suit BPW rear axle hub retaining cap nuts found on later model Japanese commercial trucks, tractors and other automotive industrial equipment.

- For extracting the rear axle cover
- Application: BPW 12 tons



Inner Ø	Outer Ø	Height	Male Hex Drive ●
4-3/8" (111mm) Across the flats	132mm	94mm	1-5/8" (41mm)

KA-3702 BPW Trailer Rear Wheel Socket

- Socket for the rear axle cover.
- Size: Dr. 3/4" (110mm) 8 point opening
- Oval shaped
- Application: NEW BPW 16 tons



Inner Ø	Outer Ø	Height	□
110mm	133mm	80mm	3/4"

KA-3703 BPW Trailer Rear Wheel Socket

- For extracting the rear axle cover.
- 3/4" Dr. , OVAL, 95mm
- Application: BPW 6.5~9 tons



Inner Ø	Outer Ø	Height	□
95mm	115mm	70mm	3/4"

BPW Roller Bearing Axle Nut Socket**KA-3701A KA-3701B**

Designed for removing the fixed nut then replace the new bearing with adjustable torque wrench. Please follow the standard operation manual of origin.



Item No.	SW mm	Ø mm	H mm	□	Application
KA-3701A	65	82	66	3/4"	BPW 6.5~9 Tons
KA-3701B	80	100	80	3/4"	BPW 12 Tons

* Please removes the lid of axle on BPW 6.5~9 tons / 12 tons with KA-3703 / KA-3213 before using this tool.



KA-3704A 98mm



KA-3704B 125mm



KA-3704C 135mm



KA-3704D 136mm

BPW Axle Extractor

- Use this axle with spanner spin the screw.
- Extremely robust execution
- Extremely versatile
- Europe truck repair tool

Item No.	Inner Ø	Outer Ø	Height	⬡	Item No.	⬡	Application
KA-3704A	98mm	M155 x 3.0	98.8mm	49mm	KA-3704A-1	TM30 x 6	For former model of 16 tons truck
KA-3704B	93.1mm	M125 x 2.0	99.4mm	42.8mm	KA-3704B-1	TM30 x 6	For former 12 tons trailer
KA-3704C	M135 x 2.0	150mm	120.3mm	43mm	KA-3704C-1	TM30 x 6	BPW ECO 10~12 tons old model
KA-3704D	M136 x 2.5	150mm	120.3mm	43mm	KA-3704D-1	TM30 x 6	BPW ECO Plus 8~12 tons BPW ECO 10 tons new model

**KA-3214 BPW Socket**

- Special heavy duty eight point socket to suit BPW rear axle hub retaining cap nuts found on later model Japanese commercial trucks, tractors and other automotive industrial equipment.
- Size: 37mm.
- Application: BPW 6 tons

**KA-3723****Groove Nut Socket With 8 Studs (Scania 420)**

With 3/4" square drive to DIN 3121 / ISO 1174.

Special profile with 8 external studs.

Positive drive of the axle nut.

Any extensive slipping is avoided.

Milled out profile.

Robust execution.

Can be used with an impact wrench or torque wrench

Application: Scania 420 (heavy duty tipper axis) removal and installation of the mounting nut on the axle bearing.

Inner Ø mm	Outer Ø mm	Stud	H mm	⬡
103	119	8	100	3/4"

Wheel Capsule and Axle Nut Socket

For clean, easy loosening and tightening of flat oval wheel capsules and axle nuts, e.g. on BPW axles.



Part No.	Size(mm)	Drive	Range of application
KA-1102A	65	3/4"	For axle nuts with 65mm oval (ECO-Axle)
KA-1102B	80	3/4"	For axle nuts with 80mm oval (ECO-Axle)
KA-1102C	85	3/4"	For axle nuts with 85mm oval (ECO-Axle)
KA-1102D	95	3/4"	For wheel capsules with 95mm oval
KA-1102E	110	3/4"	For wheel capsules with 110mm oval
KA-1102F	120	3/4"	For wheel capsules with 120mm oval (ECO-Axle)

**KA-3707A****1/2" Dr. Pin Wrench Socket For BENZ M-Class (W163/W164)**

- Used for secure the retaining ring during R & R of ball joints.
- High accuracy of fit.
- Extremely robust execution.
- Suitable for high tightening and loosening torque.
- Application range:
 1. Mercedes-Benz M-Class (W163/W164) lower ball joint of front & rear axles.
 2. Genuine Stock: A163 350 01 13

**KA-3707B****3/4" Dr. Pin Wrench Socket For BENZ M-Class (W163/W164)**

- Used for secure the retaining ring during R & R of ball joints.
- High accuracy of fit.
- Extremely robust execution.
- Suitable for high tightening and loosening torque.
- Application range:
 1. Mercedes-Benz M-Class (W163/W164) lower ball joint of front & rear axles.
 2. Genuine Stock: A 163 350 01 13

Inner Ø mm	Outer Ø mm	H mm	□
52	63	60	3/4"

**KA-3708****3/4" Dr. Groove Nut Socket With 6 Studs For Mercedes-BENZ Sprinter**

- High accuracy of fit.
- Extremely robust execution.
- Suitable for high tightening and loosening torque.
- Application range: Mercedes-Benz sprinter HA, etc.

**KA-3716 BENZ Groove Nut Socket For Rear Axle Nut**

- With hexagon drive SW 32.
- For the dismantling and assembly of the rear axle nut.
- High accuracy of fit.
- Robust execution.
- Suitable for high tightening and loosening torque.
- Drive tube Ø 35mm.
- Application: Mercedes Benz Citaro

Inner Ø mm	Outer Ø mm	H mm	Stud Ø mm	Stud width mm
122	139	310	123.5	6

**KA-3717 Groove Nut Socket For Differential Nuts**

- With hexagon drive SW 32.
- Removal and installation of differential nuts.
- High accuracy of fit.
- Robust execution.
- Suitable for high tightening and loosening torque.
- Application: Mercedes Benz Citaro, Evo Bus (ZF axle 132)

Inner Ø mm	Outer Ø mm	H mm	Stud Ø mm	Stud width mm
72	84	60	72	6

**KA-3718 SAF Axle Nut Socket, 85mm**

- Six sided drive SW 36.
- Positive drive of the axle nut.
- Any extensive slipping is avoided.
- Milled out profile.
- Robust execution.
- Can be used with an impact wrench or torque wrench.
- Application: SAF axle trailers.

Inner Ø mm	Outer Ø mm	H mm	Stud Ø mm	Stud width mm
72	84	60	72	6

**KA-3719 SCANIA Transmission Back Oil Seal Installer**

- Sealing ring installation aid for manual use.
- For damage free mounting.
- Extremely versatile.
- Application: SCANIA transmission flange shafts on transmission and rear axle (e.g. change to Simmerrings parts no. 1 502 384 / 502 385)

**KA-3720 SCANIA Camshaft Rotator (1/2" Dr.)**

- Allows the engine crank to be manually adjusted.
- Allows pinpoint accuracy calibration.
- Ideal for adjustments to the engine.
- Application: SCANIA after 1996 4th = old and after bj.2003 R = new

**KA-3721 SCANIA Front Wheel Nut Socket, 80mm**

- Positive drive of the axle nut.
- Any extensive slipping is avoided.
- Milled out profile.
- Robust execution.
- Can be used with an impact wrench or torque wrench.
- Application: SCANIA front axle (e.g. 124L / 144L), Series 4 from 96 vehicles above 16 tons
Removal and fitting of the axle nuts in front of the brake disc.

Inner Ø mm	Outer Ø mm	H mm	□
80	98	75	1"

**KA-3722 SCANIA (340) Electromagnetic Injection Valve Cap Socket**

- Size: 3/4" Dr. x 8 point x 38mm
- For tightening and Loosening the electromagnetic injection valve cap.
- Application: SCANIA (340) Trailer
- Scania genuine stock no.: 1529752 8075, 119966 0332 5, 016 868

Inner Ø mm	Outer Ø mm	H mm	□
38	45	100	3/4"

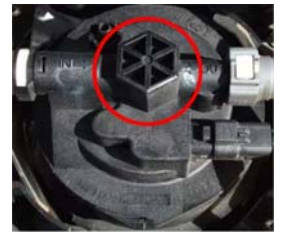


KA-5343 Diesel Fuel Filter Socket (HDi engines)

Specialist socket required for the removal of diesel fuel filter fitted to 2.0, 2.2 HDi engines found in some Citroen, Fiat, Ford, Lancia, Land Rover, Mitsubishi, Peugeot and Volvo vehicles.

Some of applications:

Mfr.	Model
Citroen	C4 2.0 HDi 16v
	C4 Picasso 2.0 / 2.2 HDi
	C5 / C8 2.0 / 2.2 HDi 16V
	Jumpy 2.0 / 2.2 HDi
Fiat	Scudo / Ulysse Mk II 2.0 JTD 16V
Ford	Focus / Focus C-Max/Galaxy/Kuga/S-Max 2.0 TDCi
Peugeot	307/308/407/607/807/Expert 2.0 HDi 16V
Volvo	C30/C70/S40 Mk II/V50 2.0 Diesel (136HP)



KA-5354 Hendrickson Prima ax Quick Alignment Socket

- Works on prima ax models 230, 460 and 690 rear suspensions.
- For use on the hendrickson prima ax eccentric collar quick align sockets.
- This tools is used for regular service not a repair tool.
- Hendrickson-Approved tool.
- Quick align socket is used to adjust zxle alignment on the Hendrickson prim ax air suspension system.
- SCM440



KA-5355 Hendrickson Prima ax Quick Alignment Socket Wrench

- Hendrickson-Approved tool.
- Used to torque cross tube end cap bolts and longitudinal torque rod top pad bolts.
- Reduces maintenance time by eliminating the need to remove the tires to hain access to the end cap bolt.
- Use with the following Hendrickson suspensions:
Type A-PAX230/460/690 and FMX 240/480 with 8-1/2" Ride Height.
Type B-PAX230/460/690 with 10" Ride.



KA-5351 Calliper Adjuster Socket

- Size: H24, 5 teeth, 46mmL
- Barreled round shape.
- Material: SCM440.
- Application range: most of european trucks. Such as SCANIA, VOLVO...etc.

■ Product specifications are as follows:

Inner Ø (mm)	Outer Ø (mm)	H (mm)	Teeth	Hex (mm)
10	24	46	5	24



KA-5371 Eccentric Socket

For this purpose, the screws on the lower wishbone have to be loosened. Then, the eccentric socket is placed on the wishbone fastening screw. By turning the socket, the wishbone is adjusted to the correct camber setting. For adjusting the toe on BMW E36, E46, E83 rear axle.



KA-7284 Dodge Wheel Hub Removal Adaptor

- The adaptor is designed to take off the front hubs found on the 3/4 ton (2500 series) and 1 ton (3500 series) Dodge pick up trucks.
- The adaptor was designed to cut the flat rate for changing out U joints, front differential service, ball joints and any front hub service.
- The adaptor works on both 6pt fasteners for newer models and 12pt fasteners found on older Dodge trucks.



KA-4511 Toyota Front Hub Nut Socket

- Comparable to Toyota factory tool #09318-12010-8 pin and 09602-60010
- 3/4" driver



KA-5378 Injector Line Sockets for BMW

- This set of sockets is designed for BMW's with N54, N63 and S63 engines.
- Socket design easy accurate torqueing.
- Open side allows over 180° rotation.
- Thin enough to fit injector with wire loom attached.
- Short enough to fit between engine and fender well.



KA-3169A

Rear Wheel Shock Absorber Spring Washer Removal Socket for Volvo

- 3/4" Dr.
- Suitable for exact torque.
- Socket profile flat oval.
- Extremely versatile.
- For machinery usage.
- Application: Volvo rear axle e.g. FH, for removal and installation of leaf spring bolts on the springs.

Ø mm	Outer Ø mm	L mm	□
28.5	62	60	3/4"



KA-5387

Brake Caliper Pad Screw Socket

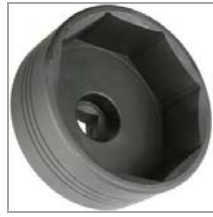
- 10 points.
- For Porsche-Audi-VW-Ferrair.
- 1/2" Dr. x 16mm x 10T x 38mmL.
- Application range: Porsche Macan Cayenne Cayman...etc
Audi Q7 S8 ...etc
- Material: SCM440



KA-3778 Front Wheel Shock Absorber Spring Washer Removal Socket For Volvo

- With 6 point drive SW 27.
- Suitable for exact torque.
- With 2 external studs Ø 8.7mm.
- Extremely versatile.
- For machinery usage.
- Special steel.
- Application range: Volvo e.g. FL6 / F10 / F12

Ø mm	Stud	L mm
H 27	2	31.5



KA-3776 Wheel Shaft Cover Socket for Volvo

- Size: 1" Dr. x 8PT x 115mm
- For dismantling the front/ rear wheel axle cover of volovo.
- Oval Shaped.
- Application range: Volvo Truck.

Inner	Ø mm	Outer	Ø mm	H mm	□
115		137		81	1"



KA-3777 King Pin Upper Cover Socket for Volvo

- Size: 3/4" Dr. x 6PT x 80mm
- Slim design.
- Robust execution.
- Positive drive of the axle nut.
- Any extensive slipping is avoided.
- Milled out profile.
- Can be used with an impact wrench or torque wrench.
- Application range: Axle nut Volvo FH front axle cover, steering pin (e.g.FM12)

Inner	Ø mm	Outer	Ø mm	H mm	□
80		100		55	3/4"



Truck Axle Nut Socket for Volvo – 6 Points

- Fix bearing while removing or installing the truck nut.
 - Use the air wrench or rod to control the nut to tighten or loosen bearing.
 - Use the air wrench or rod to control the nut to tighten or loosen bearing.
- Application range: Volvo Truck, FH rear Axle

Item No.	Inner	Ø mm	Outer	Ø mm	H mm	□
KA-3779	105		135		68	1"
KA-3780	95		125		68	1"



KA-3781 Truck Fan Bearing Base Socket For Volvo

- With 3/4" square drive.
- Special profile with 4 internal studs.
- This nut on Volvo trucks.

Inner	Ø mm	Outer	Ø mm	H mm	□
53.5		72		46	3/4"



KA-5399

Steering Mechanism Oil Seal Socket for Hino Truck

- 1/2" Dr.
- To loosen / Tighten the nut, when replaces steering mechanism oil seal.
It cold be caused damage without using this tool while replacing oil seal.
- PCD 60mm x 1/4" x 2 points.
- Application range: HINO truck use only, (after 1994, 21~35 tons truck)



KA-5400 Rear Wheel Axle Nut Socket

- Apply to HINO 11.9 tons truck rear wheel axle nut removal / installation.
- Size: 3/4" Dr. x 105mm x 8 points.

Inner	Ø mm	Outer	Ø mm	H mm	□
105		128		81	3/4"



KA-5403 Steering Mechanism Oil Seal Socket

- While replaces steering mechanism oil seal, to regulate the nut with this tool and prevent nut from damage.
- PCD 70mm x Ø6 x 4 points.
- Application range: most of Japanese truck (ex. FUSO...)



KA-5405 Steering Linkage Fixing Base Socket

- With 3/4" square drive.
- Special profile with 4 internal studs.
- This nut on DAF trucks.
- Application range: DAF truck.



KA-5406

DAF XLR (euro 4) Proeller Shaft Center Bearing Nut Socket

- With 3/4" square drive.
- The robust socket is manufactured from a piece of material.
- To remove and install the nut of propeller shaft center bearing when bearing is broken.
- Application range: DAF XLR (euro 4) truck.

Impact Socket

- Size: 3/4" Dr. x 70mm x 6 points.
- With 3/4" Sq drive.

Item No.	mm	Outer Ø mm	H mm	□	Application
KA-5417	70	98.3	70	3/4"	Volvo, Ecrou BPW, BPW nut, Hino 17 tons
KA-5418	75	98.3	70	3/4"	VOLVO SAE GIGANT ECROU, VOLVO FL7 back wheel, SAE, FUSO 17 tons Korea DAEWOO (FX117) front wheel.
KA-5419	90	116	70	3/4"	IVECO EURO CARGO, VOLVO DAF (CF85) 26 tons front wheel nut



KA-5407 Thin Wall Impact Socket For Ford

- For truck service and maintenance.
- Special thin wall designed.
- Size: 1" Dr. x 115mm x 6 point.
- Application range: Ford, DAF, SETRA

Inner Ø mm	Outer Ø mm	H mm	□
115	153	68	1"



KA-5410 Rear Wheel Nut Axle Socket For ISUZU 3.5 Tone

- Remove the rear wheel axle nut of ISUZU.
- It can be used with torque wrench for installing and removing.
- Material: S45C.
- Applicable: ISUZU 130HP, 150HP.

Inner Ø mm	H mm	Pin outer Ø mm	Pin H mm	□
54.7	55	6	6.8	1/2"



KA-3784 Rear Trailing Arm Socket (10PT) For Honda / Acura

- Special 10 point socket.
- Services Honda Civic, CR-V and Acura RSX.
- Use with a 1/2" square drive.
- Show more.
- Heavy duty construction allows for.
- Strength and Durability.



KA-5094 Deep Counter-Weighted Crank Bolt Socket

Impressive!! Work like a charm!!

- Some Honda crank bolts are very hard to remove.
- The counter-weight makes offset weighted sectors on the socket.
- Deep counter-weighted sockets to add more torque to break loose stubborn crank bolts specifically.
- The set includes 17mm, 19mm, 21mm.
- Applications:
 - 17mm: Honda engines
 - 19mm: Honda engines
 - 21mm: Chevy, Chrysler, Dodge, Ford, GM, Jeep and Mazda engines



KA-3786 Center-Lock Nut Socket For Porsche

- This tool is designed to remove or install center-lock wheel nuts on Porsche 997, 991, GT2 and GT3 models.
- Drive 3/4", tightening torque if necessary above 500Nm.
- Not for use with impact ratchet or impact wrench
- Applicable: Porsche 991.997: 2012-2016
Porsche 991.997: Turbo 2014-2016
Porsche 991.997: GT3 2014-2016



Instruction:

Step 1 : Remove the Cap (Fig. 1)

Step 2: the Locking Mechanism is flush with the lid. (Fig. 2)



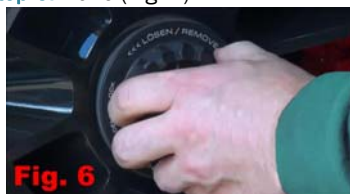
Step 3: Fit the KA-3786 to the teeth. (Please don't use impact wrench) (Fig. 3 & Fig. 4)

Step 4: Rotate Anti-Clockwise to loosen the center lock nut. (Fig. 5)



Step 5: Loosen the center lock nut by hand-turning. (Fig. 6)

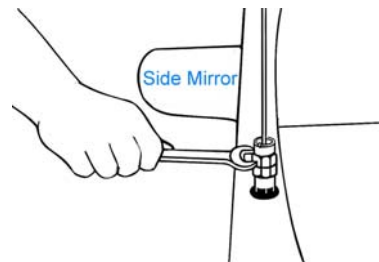
Step 6: Done (Fig. 7)





KA-5457 Antenna Nut Socket Set

- Special Design for Removing and Install Antenna.
- 4 Double-Sided Sockets fit 8 common domestic & imported Antenna Nuts.
- Size: Small Three Sockets: 7/8" Hex & One Large Socket 1-1/4" Hex.



KA-5258 Front Wheel Nut Socket (four holes) For Suzuki Jimny

- Special designed to remove the four holes front wheel nut.
- Applicable: SUZUKI (JIMNY) 1.3.



KA-4111 10 Point Socket Set- 8mm & 10mm

- For removal and installation of the driver side & front passenger side seat tracks.
- Both sizes needed for this application.
- For 2009 & up Honda Odyssey and Pilot seat tracks.
- 1/4" square drive.
- Material: CR-MO



Truck Brake Cage Bolt Socket

Quickly Unlocks Truck Air Brakes.

- Use in 1/2" DR. Can be used with impact wrenches.
- Extra deep 1-1/16" socket loosens the cage bolt to unlock air brakes on trucks.
- Can removes the air brake booster for replacement.



KA-4100-1116 1/2" Dr. x 1-1/16"

KA-4100-1516 1/2" Dr. x 15/16"

KA-4100-34 1/2" Dr. x 3/4"



KA-4139 Hub Nut Socket

Application to:

2006 (Ram Truck) - System (3 - Differential and Driveline)
 2007 (Ram Truck) - System (3 - Differential and Driveline)
 2008 (Ram Truck) - System (3 - Differential and Driveline)
 2009 (Ram Truck 2500/3500) - System (3 - Differential and Driveline)
 2010 (Ram Truck Cab Chassis, Ram Truck 4500, Ram Truck 1500) - System (3 - Differential and Driveline)
 2011 (Ram Truck 1500) - System (3 - Differential and Driveline)
 2012 (Ram Truck 1500) - System (3 - Differential and Driveline)
 2013 (Ram Truck 3500, Ram Truck Heavy Duty, Ram Truck Cab Chassis, Ram Truck 4500, Ram Truck 2500) - System (3 - Differential and Driveline)
 2014 (Ram Truck 3500, Ram Truck Heavy Duty, Ram Truck Cab Chassis, Ram Truck 4500, Ram Truck 2500, Ram Truck 4500/5500 Cab Chassis) - System (3 - Differential and Driveline)



**KA-5475****Master Oil Pressure Switch Deep Socket**

- Fits most 1" and 1-1/16" switches.
- 1/2" Dr. square drive.
- Accepts oil pressure sending units up to 2-5/8" long.

**KA-3833 Hub Locknut Socket – 4 Pin (for Toyota)**

Specially designed to remove and install the 4-hole Locknut on the inside face of the hub.

Works on Toyota vehicles having 4WD Lock-Out Hub

4Runner (1996-2020)	FJ Cruiser (2007-2014)
Sequoia (2001-2007)	T100 (1996-1998)
Tacoma (1995-2020)	Tundra (2000-2006)

**KA-3834A****Electric Power Steering Rack Socket for BMW & Mercedes**

For Dismounting and Mounting of Electric Power Steering rack adjusting screw

BMW	
1 Series	E81, E82, E87, E88
3 Series	E90, E91, E92, E93
Z4	E89

**KA-3834B****Electric Power Steering Rack Socket for BMW & Mercedes**

For Dismounting and Mounting of Electric Power Steering rack adjusting screw

BMW	
1 Series	E81, E82, E87, E88
2 Series	E90, E91, E92, E93
3 Series	
4 Series	
X1	
X3	E89
X4	
Mercedes Benz	
C-Class	W205
S-Class	W222, V222, X222





KA-5486 Elbow Connector Open-End Socket Set

- Tighten and Loosen the elbow connector (L type piping joint).
- Suitable for using in narrow space.
- Size: 12mm, 14mm, 17mm, 19mm, 22mm

Application:

1. On the air suspension of compact cars or truck over 4 tons.
2. On the air brake.
3. With the construction machinery.



KA-5486LK Elbow Connector Open-End Socket Set

- Tighten and Loosen the elbow connector (L type piping joint).
- Suitable for using in narrow space.
- Size: 12mm, 14mm, 17mm, 19mm, 22mm (for Construction machinery) 27mm (for ISUZU Truck)

Application:

1. On the air suspension of compact cars or truck over 4 tons.
2. On the air brake.
3. With the construction machines.





KA-6393 Vacuum Switch Socket

- 3/8" square dr. x 7/8" (22mm) 6 point x 30mm
- This flare nut socket for vacuum switch & oxygen sensor service for computer-controlled engines.



KA-6393A Oxygen Sensor Socket

- 3/8" square dr. x 7/8" (22mm) 12 point x 22mm 6 point.
- Applicable: Ford, Toyota, Nissan, Benz, BMW, and most of European cars, also GM vehicles.
- Flare nut for vacuum switch & oxygen sensor service on the computer - controlled engines.



KA-6393B Oxygen Sensor Socket

- 3/8" square dr. x 7/8" (22mm) 12point
- Use for the removal and replacement of oxygen sensor that a narrow area. No need to cut the wires leading to the unit when you checking sensor.
- Applicable: most European models.



KA-6258 Offset Oxygen Sensor Wrench

- Developed for use on the LTI GENII 5.7I HO MPFI v-8 found in the 1993 and later Corvette, 1993 and later Corvette, 1993 Camaro, and 1993 Firebird / TransAm
- Additional applications: the 1989 and later Corvette ZR1 with the LTI 5.7I DOHC SFI v-8 as well as many other vehicles
- Made from alloy steel with a black finish and 3/8" square drive.
- 3/8" DR. x 7/8" (22mm) x 50mmL



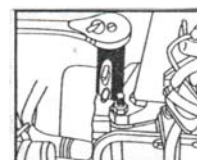
KA-6255 Heated Oxygen Sensor socket

- 1/2" DR. x 7/8" x 50mm (double square for easy access).
- For computer-controlled vehicle systems.
- Removes the oxygen sensor located in the exhaust manifold easily.
- Heat treated cast steel.



KA-7524 Universal Oxygen Sensor Socket

- For most vehicle oxygen sensors
- A slot provided in the side of the socket for wire clearance
- Outside rib provides added strength
- 1/2" sq dr, 1" male hex dr
- 7/8" 6pt hex socket



KA-6253D Oxygen Sensor Socket

- 3/8"DR.
- 7/8" (22mm) x 6PT x 90mmL



KA-6262A Injector Socket

- 1/2"DR.
- 7/8" (22mm) x 6PT x 90mmL



KA-6261B 1/2" Dr. Oxygen Sensor Socket

- 1/2" Dr. 7/8" (22mm) x 90 mmL
- 7mm slot
- For oxygen sensor on Japanese cars Ford, GM, Chrysler & other cars.



KA-6262 Vacuum Switch Socket

- 1/2" DR x 29mm x 6PT x 90mmL
- 7mm slot



KA-6261



KA-6261A

Vacuum Switch Socket

- Heat treated alloy steel.
- 3/8" Dr. x 7/8" (22mm) x 6PT x 80mmL
- 7mm slot
- for oxygen on computer engine controlled cars.

KA-6261 Black Finished

KA-6261A Chrome Plated



KA-6391



KA-6391C

3/8" Dr. Oxygen Sensor Socket

- Alloy steel, heat treated
- Remove and install oxygen sensors on computerized engine controlled vehicles
- Special 7/8" hex socket with special feature cut-away slot for sensor wire clearance
- 3/8" Dr. x 7/8" (22mm) x 6PT x 90mmL
- 20mm slot for vacuum
- PVS TVS valve & oxygen sensor on Ford, GM, Chrysler & other cars.

KA-6391 Black Finished

KA-6391C Chrome Plated



KA-6253



KA-6253A

1/2" Dr. Oxygen Sensor Socket

- Alloy steel, heat treated
- Remove and install oxygen sensors on computerized engine controlled vehicles
- Special 7/8" hex socket with cut-away slot for sensor wire clearance
- 1/2" Dr. x 7/8" (22mm) x 6PT x 90mmL
- 20mm slot for vacuum
- PVS TVS valve & oxygen sensor on Ford, GM, Chrysler & other cars.

KA-6253 Black Finished

KA-6253A Chrome Plated

Special cut-away slot allowing access to remove and replace injectors without damage to fuel-lines.
Remove and Replace the injectors on BMW 524 td, Ford, VW and Mercedes diesel

**KA-6268A Injector Socket**

- 1/2"DR x 27 x 78mmL
- 12PT

**KA-6268B Injector Socket**

- 1/2"DR x 27 x 78mmL
- 6PT

**KA-6268C Injector Socket**

- 1/2"DR x 27mm x 78mmL
- 12PT

**Injector Socket**

- 1/2"DR x 28 x 78mmL
- 12PT

KA-6270A Black Finished**KA-6270** Chrome Plated**KA-6271 Diesel Injector Socket**

- Special cut-away deep socket to remove and replace injectors without damage to fuel-lines.
- To remove and replace injectors on VW, AUDI, BMW, FORD, OPEL, ROVER, MERCEDES, SEAT, VOLVO, ETC...
- 1/2" Dr. x 22mm x 6PT x 78mmL

**KA-3172 Open Sided Deep Injector Socket**

- 1/2"DR x 22mm x 12PT x 78mmL

**Injector Socket**

- 1/2"DR x 22mm x 110mmL

KA-6269 Black Finished**KA-6269A** Chrome Plated



KA-6268D Injector Socket

- 1/2"DR x 28mm x 6PT x 83mmL



KA-3172A Injector Socket

- 1/2"DR x 21mm x 12PT x 90mmL



KA-6272 Diesel Injector Socket

1/2" square drive 6 point socket to remove diesel injectors fitted to GM (Vauxhall/Opel) Mitsubishi, Nissan, and Volkswagen vehicles. Forged hardened chrome vanadium steel, tempered, chrome plated and polished for corrosion protection.

- 1/2" Dr.x22mm x 6PT x 90mmL



KA-6262B Impact Socket

- 1/2" DR x 22mm x 6PT x 80mm long.



KA-6260K 3pcs Oxygen Sensor Wrench Set

Content:

KA-6255 Heated oxygen sensor wrench 3/8"Dr. x 7/8" x 50mmL

KA-6293 Vacuum switch socket 3/8"Dr. x 7/8" x 30mmL

KA-6261 Vacuum switch socket 3/8"Dr. x 7/8" x 90mmL x 7mm



KA-6260A

5pcs Oxygen Sensor Socket & Vacuum Switch Socket & Spark Plug Hole Thread Chaser Set

Content:

KA-6255 Heated oxygen sensor wrench 3/8"Dr. x 7/8" x 50mmL

KA-6293 Vacuum switch socket 3/8"Dr. x 7/8" x 30mmL

KA-6261 Vacuum switch socket 3/8"Dr. x 7/8" x 90mmL x 7mm

Tapered 12m/m and 18m/m threads designed to start and remove carbon & dirt or straighten damaged threads in spark plug hole.
Use with deep socket, open ends or boxes wrench.



KA-6257K 7pcs Sensor Socket Kit

Content:

- KA-6391** 3/8" Dr. x 7/8" x 90mm x 20mm slot oxygen sensor socket
- KA-6261** 3/8" Dr. x 7/8" x 80mm x 7mm slot vacuum switch socket
- KA-6273** 3/8" Dr. x 1-1/6" x 74mmL oil sender unit socket
- KA-6255** Oxygen sensor wrenches offset (2-1/8") & super duty 12 & 6 point socket
- KA-6258** 3/8" Dr. x 7/8" x 50mm heated oxygen sensor socket
- KA-6262** 1/2" Dr. x 29 x 90mm oxygen sensor socket
- KA-6268A** 1/2"DR x 27 x 12PT x 78mmL Injector socket



KA-6260K-4 4pcs Oxygen Sensor Socket Set

Content:

- **KA-6214** 22mm Special tube socket
- **KA-3206A** Oxygen sensor thread chaser
- **KA-7524** Oxygen sensor socket
- **KA-6393A** 3/8"square dr. x 7/8"(22mm) 12 point x 22mm 6 point offset oxygen sensor wrench



KA-6260K-8 8pcs Oxygen Sensor Socket Set

Content:

- **KA-6214** 22mm Special tube socket
- **KA-3206A** Oxygen sensor thread chaser
- **KA-6255** Oxygen sensor wrenches offset (2-1/8") & super duty 12 & 6 point socket
- **KA-7524** Oxygen sensor socket
- **KA-6262** 1/2" Dr. x 29 x 90 mm oxygen sensor socket
- **KA-6391** 3/8" Dr. x 7/8" x 90mm x 20mm slot oxygen sensor socket
- **KA-6258** 3/8" Dr. x 7/8" x 50mm heated oxygen sensor socket
- **KA-6393A** 3/8"square dr. x 7/8"(22mm) 12 point x 22mm 6 point offset oxygen sensor wrench



KA-6260K-11



KA-6260K-11A

11pcs Oxygen Sensor Socket Set

KA-6260K-11 KA-6260K-11A

Content:	KA-6260K-11	KA-6260K-11A
KA-6214 22mm Special tube socket	●	●
KA-6268E 1/2" Dr. x 27 x 85mm injector socket	●	●
KA-3206A Oxygen sensor thread chaser	●	●
KA-6255 Oxygen sensor wrenches offset (2-1/8") & super duty 12 & 6 point socket	●	●
KA-7524 Oxygen sensor socket	●	●
KA-6262 1/2" Dr. x 29 x 90 mm oxygen sensor socket	●	●
KA-6391 3/8" Dr. x 7/8" x 90mm x 20mm slot oxygen sensor socket	●	●
KA-6261 3/8" Dr. x 7/8" x 80mm x 7mm slot vacuum switch socket	●	●
KA-6273 3/8" Dr. x 1-1/6" x 74mmL oil sender unit socket	●	●
KA-6258 3/8" Dr. x 7/8" x 50mm heated oxygen sensor socket	●	●
KA-6393 3/8" square dr. x 7/8"(22mm) 6 point x 30mm	--	●
KA-6393A 3/8"square dr. x 7/8"(22mm) 12 point x 22mm 6 point offset oxygen sensor wrench	●	--



KA-6282B 10pcs Oxygen Sensor Wrench Set

Content:

- KA-6262 1/2" Dr. x 29mm x 6PT x 90mmL
- KA-6391 3/8" Dr. x 7/8" x 6PT x 90mmL
- KA-6261 3/8"Dr. x 7/8" x 6PT x 80mmL
- KA-6255 1/2"Dr. x 7/8" x 50mmL
- KA-6258 3/8"Dr. x 7/8" x 30mmL
- KA-3172 1/2"Dr. x 22mm x 12PT x 78mmL
- KA-6273C 3/8"Dr. x 1" & 1-1/16" x 74mmL



KA-6282A 6pcs Diesel Injector Socket Set

Content:

- KA-6268A 1/2"Dr. x 27mm x 12PT x 78mmL
- KA-3172 1/2"Dr. x 22mm x 12PT x 78mmL
- KA-6269 1/2"Dr. x 22mm x 6PT x 110mmL
- KA-6270A 1/2"Dr. x 28mm x 12PT x 78mmL
- KA-3172A 1/2"DR x 21mm x 12PT x 90mmL
- KA-6268D 1/2"DR x 28mm x 6PT x 83mmL



KA-6282K 4pcs Injector Socket Sets With Window C.V.

- 1/2" x (22,27,28) x 78mmL + 1/2" x 22mm x 110mmL

Content:

- KA-6282A Injector socket 27mm
- KA-6270 Injector socket 28mm
- KA-6271 Injector socket 22mm
- KA-6269 Injector socket 110mmL



KA-6281K 3pcs Injector Socket Sets With Window C.V.

- 1/2" x (22,27,28) x 78mmL

Content:

- KA-6268A Injector socket 27mm
- KA-6270 Injector socket 28mm
- KA-6271 Injector socket 22mm



KA-6256K 4pcs Sensor Socket Kit

Content:

- KA-6258 3/8" DR. x 7/8"(22mm) x 50mmL offset oxygen sensor wrench
- KA-6261 3/8" Dr. x 7/8" x 80mm x 7mm slot vacuum switch socket
- KA-6391 3/8" Dr. x 7/8" x 90mm x 20mm slot oxygen sensor socket
- KA-6255 Oxygen sensor wrenches offset (2-1/8") & super duty 12 & 6 point socket

KA-6290K 14pc Specialty Socket Set

- 17 x 78mmL(12PT):REUAULT.
- 19 x 78mmL(12PT):VW POLO, AUDI, SEAT, MAZDA.
- 20 x 78mmL(6PT):ABIERTU JAPAN.
- 27 x 78mmL(6PT):ABIERTU JAPAN.
- 21 x 90mmL(12PT):SEAT, AUDI,VW,SKODA,ALFA, ROMEO, MITSUBISHI.
- 22 x 78mmL(12PT):SEAT, AUDI,VW, SKODA,OPEL.
- 22 x 110mmL(12PT):MERCEDES, CITROEN, PEUGEOT, FORD, NISSAN. MAZDA, MITSUBISHI, SEAT, AUDI,VW, ETC.
- 27 x 78mmL(12PT):SEAT, AUDI, VW, SKODA, BMW, MERCEDES, OPEL FORD, NISSAN, MITSUBISHI, LIN COLN(USA).
- 27 x 110mmL(12PT):CITROEN, PEUGEOT, SISTEN LVCAS.
- 28 x 78mmL(12PT):ALFA ROMEO, FIAT, ROVER, OPEL.
- 30 x 78mmL(12PT):MERCEDES.
- 22 x 150mmL(12PT).
- 7/8" OFFSET OXYGEN SENSOR SOCKET.
- 7/8" OFFSET DEEP OXYGEN SENSOR SOCKET.



KA-6291K 21pc Specialty Socket Set

- 17 x 78mmL(12PT):REUAULT.
- 19 x 78mmL(12PT):VW POLO, AUDI, SEAT, MAZDA.
- 20 x 78mmL(6PT):ABIERTU JAPAN.
- 27 x 78mmL(6PT):ABIERTU JAPAN.
- 21 x 90mmL(12PT):SEAT, AUDI,VW,SKODA,ALFA, ROMEO, MITSUBISHI.
- 22 x 78mmL(12PT):SEAT, AUDI,VW, SKODA,OPEL.
- 22 x 110mmL(12PT):MERCEDES, CITROEN, PEUGEOT, FORD, NISSAN. MAZDA, MITSUBISHI, SEAT, AUDI,VW, ETC.
- 27 x 78mmL(12PT):SEAT, AUDI, VW, SKODA, BMW, MERCEDES, OPEL FORD, NISSAN, MITSUBISHI, LIN COLN(USA).
- 27 x 110mmL(12PT):CITROEN, PEUGEOT, SISTEN LVCAS.
- 28 x 78mmL(12PT):ALFA ROMEO, FIAT, ROVER, OPEL.
- 30 x 78mmL(12PT):MERCEDES.
- 22 x 150mmL(12PT).
- 7/8" OFFSET OXYGEN SENSOR SOCKET.
- 7/8" OFFSET DEEP OXYGEN SENSOR SOCKET.
- 29 x 90mmL (6PT)
- 22 x 80mmL (6PT)
- 22 x 90mmL (6PT)
- 1" & 1-1/16" x 74mmL
- 28 x 83mmL (6PT)
- 22mm (6PT) FLEXIBLE OXYGEN SENSOR SOCKET WRENCH
- HEX:22mm x 110mmL: ANGLED SOCKET: VW,AUDI,BMW, MERCEDES,FORD,OPEL/VAUXHALL,REUAULT,CITROEN, RENAULT,SEAT,SKODA,JAPANESE CARS.



KA-3239 3/8" DR. Flexible Oxygen Sensor Socket Wrench

- Removes & Installs sensors on Computerized Engine control Vehicles.
- 3/8" dr. x 22mm 6PT socket with cutaway slot for wire clearance.
- Flexible design for confined areas.
- Alloy steel.



KA-3239A Oxygen sensor Wrench – 22mm (7/8")

- Flexibel head design assists in the removal of stubborn oxygen sensors(22mm-7/8")
- Pivots to allow more angles of placement.
- For 12PT and 6PT application.





KA-3255 3/8" & 1/2" Dr. Dodge Wire Nut Socket (Slotted)

For assembly of top and side wired temperature sensors, thermo switches and other components also suitable for nuts and bolts of bent pipes on socket rail

- 3/8" Dr. 10, 11, 12, 14mm
- 1/2" Dr. 17, 19mm
- 6PT
- Slot width size: 7.4, 8.8, 9.1, 10.5, 13.3, 14.4mm



KA-5095 8pcs Slotted Special Socket Set

- For the assembly of top and side wired temperature sensors, thermo switches and other components.
- Also suitable for nuts and bolts of bent pipes.
- Slotted sockets in
 - 3/8" Dr. (10, 11, 12mm) x 6PT x 46mm
 - 3/8" Dr. (13, 14mm) x 6PT x 64mm
 - 1/2" Dr. (17, 19, 21mm) x 6PT x 78mmL
- The slot width is: 7.4 mm(10), 8.8 mm(11), 9.1mm(12), 10.5 mm(13), 10.8 mm(14), 13.3 mm(17), 14.4mm(19) and 15.5 mm(21).
- On socket rail.



KA-5096 5pcs Strut Nut Socket Set

- Covers most popular sizes for European vehicles.
- 1/2" Dr. cut away sockets allows 90deg Hex key to hold the strut whilst tightened to correct torque with a torque wrench (Hex key not supplied).
- Sizes 18mm, 19mm, 21mm, 22mm, 24mm.
- Supplied with socket rail.
- Manufactured from Chrome Vanadium.



KA-6219 Extra Long Oxygen Sensor Socket

- For removing and install lambda sensors with a deep-seated hexagon.
- Particularly suitable for the Mercedes-Benz C/E, 602, 605, 606 VW/Audi/Skoda/ Seat, BMW, Ford, Opel, Rover, Volvo
- Material: CR-MO steel
- Size: 1/2" Dr. x 22mm x 6PT x 150mmL



KA-5171 Diesel Injector Nozzle Socket

- 1/2" DR. socket can use for SIEMENS & BOSCH
- Size: 25, 27, 29, 30mm
- Suitable for Peugeot and Citroen with 2.0 engines (110/135HP) HDI engine.



KA-6393H Duramax Turbo Vane Position Sensor Socket (6PT)

- Makes removal and installation easy.
- Designed with additional strength for a split socket made from alloy steel.
- Correct geometry to reduce the possibility of damaging the sensor.
- Fits the confined location between the cold and hot sides of the turbo.
- Fits 2004 to current Duramax and ISUZU F series diesel engines.
- 3/8" square dr. x 1" (25.4mm) 6 point x 66mmL
- Slot: 9mm



Sensor Socket Wrench for Nox & Soot (6 & 12PT)

- Fits 24mm(KA-6393F) or 30mm(KA-6393G) Nox & Soot sensors
- Crow foot design provided access to sensor without cutting wires and limited access applications.
- 1/2" hex allows 1/2" breaker bars to be used for high break away torques required to remove sensors.
- 6 and 12 point SP grip drive contacts the sensor hex body.
- For Chrysler, Dodge, Jeep diesels and other manufactures using NOX and SOOT sensors.



KA-6393F 24mm
KA-6393G 30mm



KA-6875 EGT Sensor Socket Set

- Designed to remove most exhaust temperature sensors.
- Straight and offset in single Hex (6PT) x 3/8" Dr.
- Size: 13, 14, 17mm
- Suits to use on cars, light commercial and HGVs.

Due to heat cycles and the corrosive environment in the modern diesel exhaust system. The EGT sensors become very difficult to remove without damaging them. This set of sockets is designed to drive all 6 sides of the hex equally to reduce the chance of damage.



KA-6253B



KA-6261C

Oxygen Sensors Socket - Thin Wall

Oxygen sensors that cannot be accessed with standard sockets.

KA-6253B 1/2"Dr. x 7/8"(22mm) x 90mmL

KA-6261C 3/8"Dr. x 7/8"(22mm) x 80mmL



Sensor Socket Remover / Installer

KA-3239C 3/8" Dr. & Hex 17mm

KA-3239D 3/8" Dr. & Hex 22mm

Fitting a new oxygen sensor is easy, but the Old one is usually Stuck and Stubborn to remove!
This is why you need KA-3239C & KA-3239D to step in to help!!
Attach KA-3239C & KA-3239D with your air Hammer to make the removal so easy.

Feature:

- The slot gets past the wiring that might tangle your way.
 - The long 200mm rod let you reach the tucked-away/hiding sensors.
 - The air hammer vibration force makes the loosening of the stubborn sensors an easy job!!
- Note: If the access is very confined, it is suggested to remove the exhaust section and transfer them to work on the bench. With appropriate force, the stubborn sensor would come loose.
- Special two parts tool designed to loosen stuck 17mm or 22mm Lambda Sensor with "Air Hammer". Tighten/Install the sensors: 3/8" Dr. slot that allows to use with a torque wrench.
 - * Don't use Air hammer to tighten/install the sensor *
 - Extract the sensors: Use the 3/8" dr. air hammer to make the job easy.
 - Shank: 0.401"(10.18mm-0.15mm)
 - All parts made integrally.

Use with Air to Remove Stubborn Sensor



The vibration of Air Hammer helps loosening the stuck and stubborn sensors. (Air hammer is not included)

Two Parts Design: Rod + Slot Socket



Two parts design enables The slot socket to fit to Sensor easily from Any angles.



*Specially Designed to Loosen the Damaged
→ Deformed or Rust-Ridden Screws & Nuts*



KA-2393K 10pc Twist Sockets Set

- DR. 3/8"
- Sockets: 10-11-12-13-14-15-16-17-19mm
- 1pc 8mm Straight rod



KA-2393K-1 10pc Twist Socket Set

- DR. 1/2"
- Sockets: 10-11-12-13-14-15-16-17-19mm



KA-2393A 5pc Twist Socket Set

- 1/2" DR. : 17, 19, 21, 22 / (23)mm
- Bar: 50L



KA-2393B 6pc Twist Sockets Set

- 1/2" DR. : 17, 19, 21, 23, 27mm
- Bar: 50L



KA-2393C 12pc Twist Sockets Set

- 3/8" DR. : 8, 10, 12, 13mm
- 1/2" DR. : 14, 15, 16, 17, 19, 21mm



KA-2393D 15pc Twist Sockets Set

- 1/4" DR. : 6, 8, 10, 11, 12, 13mm
- 1/2" DR. : 14, 15, 17, 19, 21, 24, 27mm



4pc Twist Socket Set

- Material: SNCM439
- Hardness: 50° ~ 53°

KA-2716A

- 1/2" Drive
- Size: 17, 19, 21mm + a bar-150L

KA-2716B

- 1/2" Drive
- Size: 17, 19, 21mm + a bar-120L



KA-2716C 5pc Twist Socket Set

- 1/2" Drive
- Size: 17, 19, 21, 22mm + a bar-150L
- Material: SNCM439
- Hardness: 50° ~ 53°



One Set with Two Designs.



KA-2393-DB1 4pcs Double-Sided Twist Socket Sets

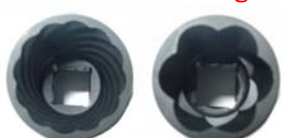
- 3pcs Double-Sided Twist Sockets -- 17mm, 19mm, 21mm x 80mm(L)
- 1pc Extension Sockets - 1/2" SQ. Dr. x 70mm(L)
- Sockets with Hex sides & Six-Clouding Sides.
- Made of CR-MO.
- Multi-Application.
- Connect the socket with the extension socket to work.



Connect with Extension Sockets
-Total Length: 120mm



One Set with Two Designs.



KA-2393-DB2 4pcs Double-Sided Twist Socket Sets

- 3 PC /SET Double-Sided Twist Sockets -- 17mm, 19mm, 21mm x 80mm(L)
- 1pc Extension Sockets - 1/2" SQ. Dr. x 70mm(L)
- Sockets with Twelve-Clouding sides & Six-Clouding Sides.
- Made of CR-MO.
- Multi-Application.
- Connect the socket with the extension socket to work.



Connect with Extension Sockets
-Total Length: 120mm



KA-3824LK Double Duty Flip Socket Set (6 pcs)

- Twist Socket + Hex Socket.
- Standard hex on one end, and 6-point twist on the other end for removing damaged lug nuts.
- Size: 17mm, 19mm, 13/16", 21mm, 7/8"(22mm).
- 1/2" square drive adapter to connect in the middle of the socket.
- Do not use the twist side to install new nuts. Twist side for removal only.
- KA-3824LK is not for using with Air/Impact Wrench Operation.



KA-2393-DBK 5pc 6point + 6point Twist Socket

- Size: 19-21-22-24mm + 1/2" extension driver
- Material: SNCM439 (19,21,22,24mm) - HRC50~53
- Material: SNCM440 (extension driver) - HRC48~52
- 1/2" DR.



KA-2393E 4pc Twist Sockets Set

- 1/4" DR.:8-10-12-14mm
- Length:45mm
- Material: SNCM439
- Hardness: 50° ~ 53°



KA-2393F 10pc Hex Spiral Sockets

- Size: 8,10,11,12,13,14,15,16,17,19mm
- 1/2" DR.
- Material: SNCM439
- Hardness: 50° ~ 53°
- Use with Locking Pliers.
- A great set to remove the worn or damaged sockets.



KA-2393FL 11pc Twist Sockets

- Size: 1/2" DR.: 16-17-18-19-21mm
- 3/8" DR.: 8-10-11-12-13-14mm
- Material: SNCM439
- Hardness: 50° ~ 53°



KA-2393L 7pcs 3/4" Dr. Twist Socket Set

- Size: 27-30-32-33-34-36mm + punch bar
- Material: SCM440
- Hardness: 45° ~ 48°



KA-2393G 14pc Twist Sockets Set

- Size: 10-11-12-13-14-16-17-18-19-21-22-24-27mm + a bar
- 1/2" DR.
- Material: SNCM439
- Hardness: 50° ~ 53°



KA-2393B1 11pc Twist Sockets

- 3/8"Dr. 8-10-11-12-13-14mm
- 1/2"Dr. 15-16-17-18-19mm





KA-2715B 7pc Screw Extractor Kit with Reverse Thread

- 3/8"Dr. 2-3-4-5-6mm
- 1/2"Dr. 8-10mm



KA-2715 6pc Screw Extractor Kit With Reverse Thread

- Size:2-3-4-6-8-10mm
- 3/8" DR.
- Material: 8660(SNCM + V)
- Hardness: 49° ~ 41°



KA-2715A 7pc Power Fastener Extractor Set

- Size: 6-8-10-11-12-13-14mm
- 1/4" DR.
- Material: 8660(SNCM + V)
- Hardness: 49° ~ 52°



KA-2715SK 15pc Screw Extractor

- Size: 3, 1/8", 4, 3/16", 5, 5.5, 6, 1/4", 8, 3/8", 10, 11, 12, 1/2", 14mm
- Material: 8660(SNCM + V)
- Hardness: 49° ~ 52°



KA-2716 5pc Screw Extractor Kit With Reverse Thread

- Size: 8-10-12-14-16mm
- 1/2" DR.
- Material: 8660(SNCM + V)
- Hardness: 49° ~ 52°



KA-2715P9 Screw Nut Extractor (9 PCS)

- Drill a hole and use this set to remove worn or rusty inner hex bolt.
- Tool with square drive to work with a ratchet wrench for additional torque.
- Size:2mm, 3mm, 4mm, 5mm, 6mm, 7mm, 8mm, 10mm, 12mm.
- Product NOT designed for Air/Impact wrench operation.

Operation

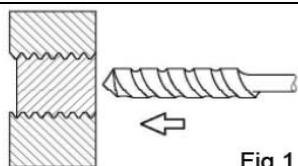


Fig 1

Choose a suitable sized bolt extractor, and drill a hole 0.5mm bigger than the bolt extractor (Fig. 1).

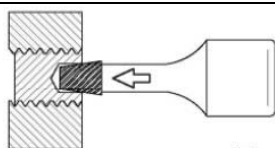


Fig 2

Remove the drill.
Insert the bolt extractor (Fig. 2).

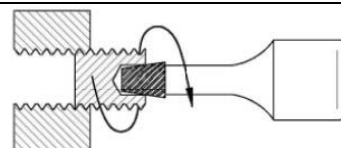


Fig 3

Turn the extractor anti-clockwise to remove the screw/bolt (Fig. 3).



KA-2393H 6pcs 1/2" + 3/4" Dr. Twist Socket (for truck)

This tool is for loosening a damaged truck nut which can not be done by a socket or wrench.

- 1/2" Dr. 22-24-27-32mm
- 3/4" Dr. 36-41mm



KA-4421K 5pc 1/2" Dr. Locking Wheel Nut Remover Kit

- Size: 12-14-17-19-21mm
- 1/2" DR.
- Material: SNCM440
- Hardness: 52°



KA-3104 4pc Lug Nut Removal Socket Set

- Size: 17 - 18.5 - 21.5 - 26mm x 1/2"SQ. x 38mm(L)
- Functions as Nut Splitter
- Applicable for Stuck or Damaged Nuts.



KA-3104-7 7pc 1/2"Dr. Twist Socket Set

- Cr-Mo Steel , Hardened , Black Finish
- Size: 17 - 18.5 - 20 - 21.5 - 23 - 24.5 - 26mm



KA-3208K 2pc Locking Wheel Nut Remover

KA-3263 1/2" Dr. Sq. x 13/16" x 45.8mmL

KA-3265 1/2" Dr. Sq. x 1" x 45.8mmL



KA-1304 10pcs 3/8"Dr. Anti-Skid Socket Set

- Size: 8,10,11,12,13,14,15,16,17,19mm
- Material: CR-MO



KA-2393N 1/2" Dr. Twist Socket Set (21 pcs)

- 1/2" Dr. x 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24, 27mm.
- Twist sockets for removing worn or rusty nuts.
- Includes a punch bar to punch stuck bolts/nuts out of socket.
- **For removal only.**
- Do not use twist sockets to install new nuts.
- Product NOT designed for air/impact wrench operation.

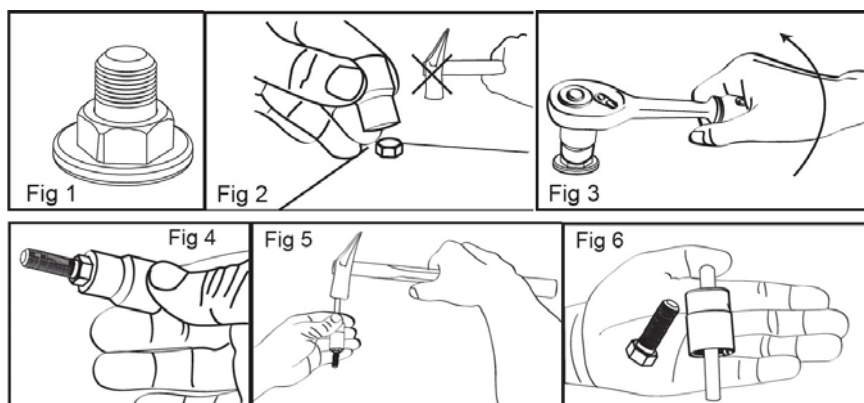
	Square Drive (D)	1/2" Dr.
	Size (mm) (S)	6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24, 27
	Length (mm) (L)	38



KA-2393R 1/2" Dr. Twist Socket Set (7 pcs)

- 1/2" Dr. x 28, 30, 32, 33, 34, 36
- **Use manually or with an air/impact wrench.**
- Twist sockets for removing worn or rusty nuts.
- Includes a punch bar to punch stuck bolts/nuts out of socket.
- For removal only. Do not use twist sockets to install new nuts.
- Product can be worked with an air/impact wrench.

	Square Drive (D)	1/2" Dr.
	Size (mm) (S)	28 30, 32, 33, 34, 36
	Length (mm) (L)	40 44



1. Choose a suitable-sized twist socket and fit to the nut to be removed (Fig. 1 and 2).
2. Connect a ratchet wrench or spanner to the socket and turn counter-clockwise (Fig. 3).
3. After removal, the nut may be stuck in the socket. Use a punch bar provided and a hammer to punch the stuck nut out of the twist socket (Fig. 4, 5 and 6).



KA-4262K
1/2" Dr. 3pcs Thin Wall Deep Impact Socket Set
 ■ Size: 17-19-21mm



KA-4161
1/2" Dr. 3pcs Thin Wall Deep Impact Socket Set
 ■ Size: 17-19-21mm



KA-4165
1/2" Dr. 4pcs Thin Wall Impact Socket Set
 ■ Size: 17-19-21-22mm



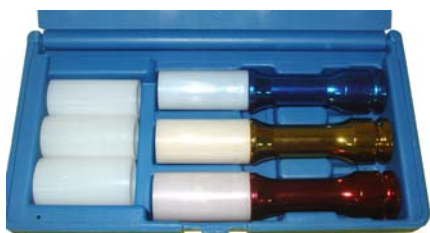
KA-4160
1/2" Dr. 4pcs Thin Wall Deep Impact Socket Set
 ■ Size: 17-19-21-22mm



1/2" Dr. 5pcs Thin Wall Deep Impact Socket Set
KA-4263K Size: 17-19-21mm & 13/16", 7/8"
KA-4263A Size: 14-17-19-21-22mm



1/2" Dr. 7pcs Thin Wall Deep Impact Socket Set
KA-4265K Size: 17-19-21-22-23-24-27mm
KA-4264K Size: 17-19-21mm, 13/16", 7/8", 1", 1-1/16"



KA-4159 1/2" Dr. 3pcs Thin Wall Deep Impact Socket Set
 ■ Size: L:150mm 17-19-21mm

KA-4159MAG 1/2" Dr. 3pcs Thin Wall Deep Impact Socket Set With Magnetic
 ■ Size: L:150mm 17-19-21mm



Pneumatic Ball Type Swivel Universal Wheel Socket Set

KA-8335 6pcs

- 3pcs plastic caps: 17, 19, 21mm
- 3pcs pneumatic ball type swivel universal wheel socket: 17, 19, 21 x 19mmL

KA-8336 9pcs

- 3pcs plastic caps: 17, 19, 21mm
- 3pcs wheel socket: 17, 19, 21mm
- 3pcs pneumatic ball type swivel universal wheel socket: 17, 19, 21 x 19mmL



KA-4162 1/2" Dr. 4pcs Flip Impact Socket Set

- Size: 17x19mm, 19x21mm, 3/4" x 13/16", 3" Extension Bar



KA-4163 1/2" Dr. 4pcs Flip Impact Socket Set

- Size: 17 x 19mm, 3/4 x 13/16", 21mm x 7/8", 1/2" & 3" Extension Bar



KA-4169

1/2" Dr. 4pcs Super Thin Wall Impact Socket Set

- Size: 17-19-21-22mm (L:110mm)



3/4" Dr. 7pcs Universal Socket Set

KA-4170 Size: 17-19-21-22-23-24-27mm

KA-4171 Size: 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1-1/16"



KA-4156



KA-4156A

1/2" Dr. 5pcs Torque Extension Bar Set

KA-4156 Size: 100-110-120-135-150Nm
(75-80-90-100-110 ft/lbs)

KA-4156A Size: 90-100-110-120-135Nm
(65-75-80-90-100 ft/lbs)



KA-4157



KA-4157A

1/2" Dr. 8pcs Torque Extension Bar Set

KA-4157

- 4-Torque Extension Bar: 110-120-135-150Nm
(80-90-100-110 ft/lbs)
- 4-Thin Wall Deep Impact Socket: 17-19-21-22mm

KA-4157A

- 4-Torque Extension Bar: 100-110-120-135Nm
(75-80-90-100 ft/lbs)
- 4-Thin Wall Deep Impact Socket: 17-19-21-22mm



KA-4158 1/2" Dr. 10pcs Torque Extension Bar Set

- Size: 90-100-110-120-135-150-160-175-190-200Nm
(65-75-80-90-100-110-120-130-140-150 ft/lb)

Universal Torque-Limited Socket Set



KA-6288K



KA-6288KT



KA-6298K

- 1/2" Dr.
- Length: 100mm
- Max. Torque: 100Nm

KA-6288K 3pcs Size: 17, 19, 21mm

KA-6288KT 3pcs (Thin Type) Size: 17, 19, 21, 22mm , for small Japanese car

KA-6298K 4pcs Size: 17, 19, 21, 22mm



KA-6297K Torque Limiting-Impact Adapter Socket

- 1/2" Dr.
- Size: 1/2"F x 3/8"M, 1/2"F x 1/2"M, 1/2"F x 3/4"M
- Length: 100mm
- Max. Torque: 100Nm



KA-6300K Torque Limiting-Impact Socket

- 1/2" Dr.
- Size: 17, 19, 21mm
- Length: 150mm
- Max. Torque: 100Nm

TORQUE LIMITING SOCKET

How to use:

Step 1: To remove the lug nuts with full torque delivery of impact wrench

Step 2: Patented design for fastened the lug nut quickly and accurately to reach presetting torque strength. The torque socket will free running automatically while reach the presetting torque.

Step 3: Check the torque strength by torque wrench, according to the maintenance manual of different vehicles. To ensure the nuts fastened securely with correct torque strength.



HYDRAULIC TORSION DUAL TORQUE IMPACT SOCKET



KA-6288K-HD



KA-6298K-HD



KA-6299K-HD

KA-6288K-HD

3pcs H.D.T. socket, size: 17, 19, 21mm

KA-6298K-HD

4pcs H.D.T. socket, size: 17, 19, 21, 22mm

KA-6299K-HD

3pcs H.D.T. socket, size: 17, 19, 21mm & 1pc 1/2" H.D.T. adapter socket



KA-6296K

Hydraulic Torsion Dual Torque Impact Socket

- Size: 3/8", 1/2", 3/4"



KA-6300K-HD

Hydraulic Torsion Dual Torque Impact Socket

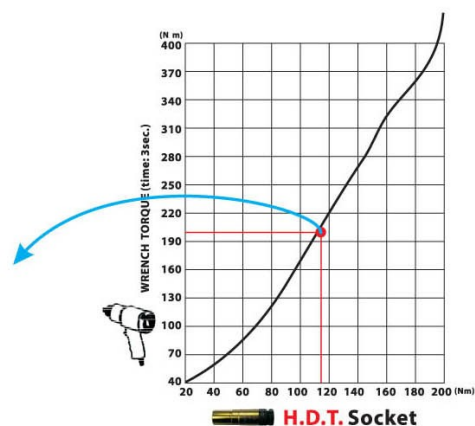
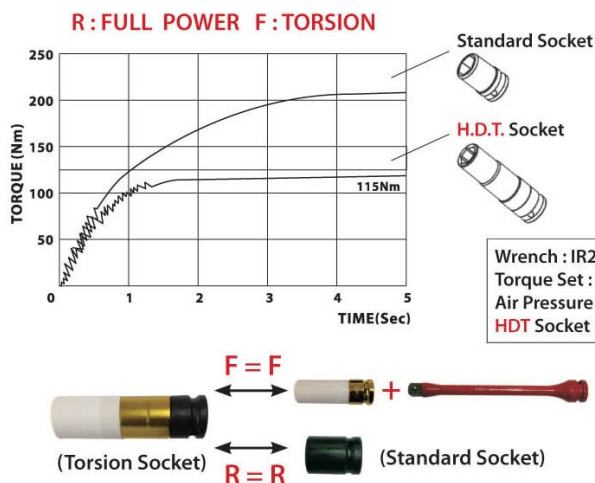
- Size: 17, 19, 21mm
- Length: 150mm

HYDRAULIC TORSION DUAL TORQUE IMPACT SOCKET

How to use H.D.T socket

- Do not use hand tools.
- Use with a 1/2" Dr. pneumatic or power impact wrench
- Set up the working air pressure at 90psi (6.2 bar, 6.3kg/cm, 62pa), and ensure the power deliver of the impact wrench between 190~210Nm. (140~155ft/lbs). The output of the sockets will be 115Nm $\pm 6\%$ (85ft/lbs $\pm 6\%$)
- If other torque / torsion required please reference the torque / torsion chart to set up the output of the impact wrench and obtain the require torque/ torsion value.

Ability Item	Tightening	Loosening	Life	Guaranty	Mechanism	Safety	Range of Tightened	Maintenance of Tightened	Adjustment of Working Torque
H.D.T. Torsion Socket	Excellent	Excellent	Excellent	Excellent	Hydraulic	Excellent	Excellent	Excellent	Excellent
Torsion Bar	Excellent	---	---	---	Spring	Good	Good	---	---



**KA-5177 3/8" Dr. Hand Torque Limited Adapter Set**

Yellow: 10 Nm
Green: 25 Nm
Blue: 15Nm

**KA-4168 1/2" Dr. 5pcs Thin Wall Deep Impact Socket Set**

Size: 17-19-21-22-27mm
