



KA-6348 Universal Outside Thread Chaser

- Eliminates the need or expensive thread-cutting equipment.
- Secure the tool slightly on the good threads, then back off over the damaged thread area to restore the threads.
- Working capacity: 1-1/4" ~ 5" OD.
- Die cast alloy V-Pad will not damage the threads. And could be replaced while worn out.
- Dir cast alloy V-Pad includes 2 dimension with the thread chaser.
Threads per inch: 4, 5, 6, 7, 7-1/2, 8, 9, 10, 11, 11-1/2, 12, 14, 16, 18, 20, 24
Metric thread chaser: 1mm, 1.25mm, 1.5mm, 1.75mm, 2mm, 2.5mm, 3mm, 3.5mm, 4mm



KA-6348-1 7pcs Spare Thread Cutter

Threads per inch:

SIZE: #1 4, 5, 6, 7

#2 7-1/2, 9, 11, 11-1/2

#3 8, 10, 12, 14

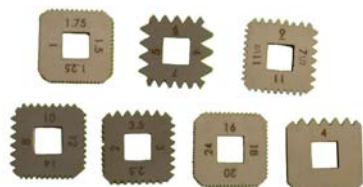
#4 16, 18, 20, 24

METRIC THREAD CHASER

#5 1, 1.25, 1.5, 1.75mm

#6 2, 2.5, 3, 3.5mm

#7 4mm



KA-3249 Thread Chasers Size: S.A.E

New design for both internal and external front wheel drive spindle thread repair. Use with a deep socket or the tommy bar supplied.

Individual Sizes:

- 5/8" UNF Thread Chaser
- 3/4" UNF Thread Chaser
- 7/8" UNF Thread Chaser
- 1" UNF Thread Chaser
- 1-1/16" UNF Thread Chaser
- Tommy Bar



KA-3250 Thread Chasers Size: m/m

New design for both internal and external front wheel drive spindle thread repair. Use with a deep socket or the tommy bar supplied.

Individual Sizes:

- M14 x 1.5 Thread Chaser
- M16 x 1.5 Thread Chaser
- M18 x 1.5 Thread Chaser
- M20 x 1.5 Thread Chaser
- M22 x 1.5 Thread Chaser
- M24 x 1.5 Thread Chaser
- M27 x 2.0 Thread Chaser
- M28 x 1.5 Thread Chaser
- Tommy Bar



KA-6878K 25pcs Multi-Spline Extractor Set

- Center punch broken part.
- Select correct drill size (use chart below).
- Drill hole in center of broken part with recommended size drill.
- Lightly tap extractor into broken fastener.
- Using a socket wrench or open end wrench, turn the extractor counter-clockwise.
- Material: chrome molybdenum



KA-6433 10pcs Multi-Spline Extractor Set

- Quick & easy to remove broken screws, pipes, bolts & studs.
- Made of chrome molybdenum
- Size: 1/8"(3.2mm), 5/32"(4mm), 3/16"(4.8mm), 7/32"(5.5mm), 1/4"(6.3mm), 9/32"(7.1mm), 5/16"(7.9mm), 11/32"(8.7mm), 3/8"(9.5mm), 13/32"(10.3mm)





KA-2123 5 Piece Straight Flute Screw Extractor Set

EXTRACTOR SIZE	DRILL SIZE INS (MM)	REMOVES BOLTS & SCREWS INS (MM)
1	9/64" (3.5)	3/16"-5/16" (5 - 8)
2	3/16" (4.5)	3/8" (8 - 10)
3	15/64" (6)	7/16", 1/8 NPT (10 - 12, 1/8 BSP)
4	5/16" (8)	1/2" - 9/16", 1/4 NPT (12 - 14, 1/4 BSP)
5	3/8" (9.5)	5/8", 3/8 NPT (14 - 16, 3/8 BSP)



KA-7324K Combination Extractor And Drill Set

- Contains five spiral extractors #1 through #5 and five mechanic's length cobalt drills. Removes bolts and screws up to 5/8".
- Left hand extractors with right hand drills.
- Contains:
 - Cobalt drill size, 5/64", 7/64", 5/32", 1/4", 19/64"
 - Screw extractor size, 5/64", 7/64", 5/32", 1/4", 19/64"



KA-8008 5pcs Screw Extractor Set

Size: 1/8"-1/4"-5/16"-7/16"-9/16" (3-6-8-11-14mm)



KA-8008A 6pcs Screw Extractor Set

Size: 1/8"-1/4"-5/16"-7/16"-9/16"-1"



KA-8008B 5pcs Screw Extractor Set (shaft with fine sand blasting)

Size: 1/8"-1/4"-5/16"-7/16"-9/16"-1"



KA-6857 5pcs Screw Extractor Set

#1, 2, 3, 4, 5



KA-8007 6pcs Screw Extractor & Tap Handle Set

- 1pc tap handle
- Screw extractor
 - 1pc 1/8" - 1/4" (3mm-6mm)
 - 1pc 1/4" - 5/16" (6mm-8mm)
 - 1pc 5/16" - 7/16" (8mm-11mm)
 - 1pc 7/16" - 9/16" (11mm-14mm)
 - 1pc 9/16" - 3/4" (14mm-18mm)



KA-8001 4pcs Heavy Duty Nut Splitter Set

- Chrome vanadium steel (drop forged)
- KA-8001-1 5/16" - 1/2" (9mm-12mm)
- KA-8001-2 1/2"-5/8" (12mm-16mm)
- KA-8001-3 5/8"-7/8" (16mm-22mm)
- KA-8001-4 7/8"-1-1/16" (22mm-27mm)

KA-8002 3pcs Heavy Duty Nut Splitter Set

- Chrome vanadium steel (drop forged)
- KA-8001-1 5/16" - 1/2" (9mm-12mm)
- KA-8001-2 1/2"-5/8" (12mm-16mm)
- KA-8001-3 5/8"-7/8" (16mm-22mm)

KA-8003 2pcs Heavy Duty Nut Splitter Set

- Chrome vanadium steel (drop forged)
- KA-8001-1 5/16" - 1/2" (9mm-12mm)
- KA-8001-2 1/2"-5/8" (12mm-16mm)



KA-9022 Nut Splitter

- Chrome vanadium steel
- Size: 1/8"-15/16" (3mm-23mm)



KA-8010 H/D Hydraulic Nut Splitter

- Offset, open-head designed nut cracker, allowing access to any spot from any angle.
- Size: 0~3/4" (0~21mm)



KA-8010N Hydraulic Nut Splitters Grease

- Hydraulic Ram :5t
- SW 7-22mm
- Nuts with thread M4-M14
- Blade HRC 60



KA-6459 Hydraulic Nut Splitter

- KA-1023-1 HYDRAULIC RAM (SCM420), Ø38mm hardened 42° -43°
- #901 SPLITTER BODY (SCM420), Ø48mm 1" hardened 42° -43°
- #902 SPLITTER BODY (SCM420), Ø38.8mm 3/4" hardened 42° -43°
- #903 SPLITTER BODY (SCM420), Ø32mm 5/8" mm hardened 42° -43°
- #904 SPLITTER BODY (SCM420), Ø19.3mm 1/2" hardened 42° -43°
- #905 SPLITTER BODY (SCM420), Ø14.22mm 3/8" hardened 42° -43°
- #906 NUT (S45C CARBON STEEL HARDENED 20° -25°)
- #907 HYDRAULIC RAM ATTACHMENT (S45C CARBON STEEL HARDENED 20° -25°)
- #908 BLADE (SCM4140) HARDENED 55° -56°
- #909 BLADE (SCM4140) HARDENED 55° -56°
- #910 BLADE (SCM4140) HARDENED 55° -56°
- #911 BLADE (SCM4140) HARDENED 55° -56°
- #912 BLADE (SCM4140) HARDENED 55° -56°
- #913 Machine Oil Jug.



KA-8010A Nut Splitter

- 6mm~ 36mm (1/4" ~ 1-1/2")
- To split nuts with hydraulic screw work on nut size 6mm~ 36mm (1/4" ~ 1-1/2")



KA-8010B Nut Splitter

- Offset, open-head designed nut cracker, allowing access to any spot from any angle.
- 6mm~ 36mm (1/4" ~ 1-1/2")
- To split nuts with hydraulic screw work on nut size 6mm~ 36mm (1/4" ~ 1-1/2")



KA-1322K 4pcs Exhaust Kit Set

- Designed to quickly and easily straighten out clamp dents in mufflers and tailpipe.
- Especially for exhaust and tailpipes. Suited to use on exhaust and tailpipes, and thin-wall copper and steel tubing.
- With this new design tool can easily cut pipes without needing to exert gripping pressure. Does to leave burrs. Simply hook in pin to desired diameter, tighten chain by turning adjustment "T" bar handle during cutting process.
- The tool can be used up to 2.5mm thickness and 60mm diameter.



KA-9015K Tailpipe Expanders

- Designed to quickly and easily straighten out clamp dents in mufflers and tailpipes. Extremely rugged tool made of the toughest steel.
- Contents:
 - KA-9015A** Small capacity (1-1/8" to 1-3/4" 29-44mm) I.D.
 - KA-9015B** Medium capacity (1-1/2" to 2-7/16" 38-62mm) I.D.
 - KA-9015C** Large capacity (2-1/8" to 3-7/16" 54-87mm) I.D.



KA-5299 Pipe Stretcher Kit

- Expands all types of exhaust pipe, including stainless steel, from 1-5/8" to 4-1/4" in size.
- Inexpensive alternative to hydraulic pipe expanders.



KA-5030 Adjustable Exhaust & Tailpipe Cutter

Suitable for use on exhaust and tailpipes, and thin-wall copper and steel-tubing. With this new design tool can easily cut pipes without needing to exert gripping pressure. Does not leave burrs.

Simply hook in pin to desired diameter, tighten chain by turning adjustment 'T' bar handle during cutting process.

The tool can be use up to 2.5mm thickness and 75mm diameter (3").



KA-5030A Adjustable Exhaust & Tailpipe Cutter

Capacity: 2.5mm thickness
150mm diameter



KA-5030B Exhaust & Tailpipe Cutter

- Cuts thin & thick walled pipe from 3/4" to 3 1/4" in diameter (19mm to 83mm)
- Only 1/4" turn for complete cut
- Gets into tight sports for easy cutting
- Cutting wheels on every pivot for smooth tracking
- Keep chain well oiled for long term use



KA-6866 Exhaust & Tailpipe Cutter

- New diameter 19mm cutters to eliminate "bottoming out"
- Cuts thin & thick walled pipe from 3/4" to 3-1/4" (19~83mm) O.D.
- Gets into tight spots for easy cutting
- Only 1/4 turn for complete cut



KA-6804 Tailpipe & Tubing Cutter

Quickly cuts exhaust and tailpipe in confined areas 16 cutting blades for fast and even cutting. Cuts thin-wall copper and steel tubing of 3/4" to 3" diameter.



KA-6804A Tailpipe & Tubing Cutter

- Cuts thin walled steel and copper tubing from $\Phi 20$ to $\Phi 75$ mm (3/4"-3")
- Cuts quickly and easily
- Fitted with 7 cutting blades for fast, clean cutting



KA-9120 Muffler / Tailpipe Cut-Off Tool

- For 1-3/8"~2-1/2" (35-64mm)
- SK-2 cutting wheel



External & Internal Restores Files

- Restore tool for renewing damaged thread on any diameter bolt, stud, axle or shaft file both right and left hand threads.
- Design use in hide & narrow area.

KA-6861

-Description pitch sizes: METRIC file 0.80-1.00-1.25-1.50-1.75-2.00-3.00

KA-6861-GAS (Mini order quantity: 200pcs)

-Description pitch sizes: GAS size 1/8"- 1/4"- 3/8"- 1/2"- 5/8"- 3/4"- 7/8"- 1"

KA-6862

-Description pitch sizes: SAE file 24-20-18-16-14-12-11-10



KA-6715K 20pcs Master Spindle Rethreading Set

- This 20pcs set repairs or renews the damaged threads on stub axles/spindles on most vehicles. Dies are made of high tempered steel for strength and durability. All dies have the same 1-1/4" (32mm) hex size. Stored in high impact plastic case.
- Imperial sizes:
11/16"x24, 3/4"x16, 3/4"x20, 13/16"x20, 27/32"x20, 7/8"x14, 1"x14
- Metric sizes:
16x1.0, 16x1.5, 18x1.5, 19x1.5, 20x1.0, 20x1.25, 20x1.5, 22x1.0, 22x1.5, 24x1.5, 24x2.0, 24x2.0, 25x1.5, 27x2.0



KA-6431 Axle Spindle Rethreading Set

8pc thread restoring die set is used to clean or repair axle threads on spindles of M24x1.50, M24x2.00, M22x1.00, M22x1.50, M20x1.50, M20x1.25, 13/16"x20UNEF, 3/4"x20UNEF, use with 1-1/4" socket or wrench.

KA-6431-1 Rethreader die. M24x1.50

KA-6431-2 Rethreader die. M24x2.00

KA-6431-3 Rethreader die. M22x1.00

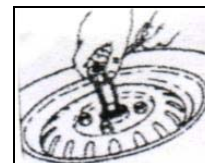
KA-6431-4 Rethreader die. M22x1.50

KA-6431-5 Rethreader die. M20x1.50

KA-6431-6 Rethreader die. 3/4"x20

KA-6431-7 Rethreader die. 13/16"x20

KA-6431-8 Rethreader die. M20x1.25



KA-6488K 3pcs Thread Restoring File Set

- Suitable for the restoration of external threads. 220mm double-ended files each supplied

ITEM NO.	DESCRIPTION	PITCH SIZES
KA-6488	METRIC FILE	0.75, 1.00, 1.25, 1.50, 1.75, 2.00, 2.50, 3.00mm
KA-6488-1	SAE FILE	11, 12, 13, 14, 16, 18, 20, 24
KA-6488-2	SAE FILE	9, 10, 12, 16, 20, 27, 28, 32



KA-6623K External Thread Restorer Files And Pitch Gauge Set

- Restore tool for renewing damaged thread on any diameter bolt. Stud, axle or shaft file both right and left hand threads.

Contents

3pcs thread file pitch sizes

KA-6623K-1	METRIC FILE	0.75, 1.00, 1.25, 1.50, 1.75, 2.00, 2.50, 3.0mm
KA-6623K-2	SAE FILE	11, 12, 13, 14, 16, 18, 20, 24
KA-6623K-3	SAE FILE	9, 10, 12, 16, 20, 27, 28, 32

2pcs gauge sizes

KA-6708	0.40, 0.45, 0.50, 0.60, 0.70, 0.75, 1.00, 1.25, 1.50, 1.75, 2.00, 2.50, 3.00, 3.50, 4.00, 4.50, 5.00, 5.50, 6.00
KA-6707	4, 4.5, 5, 6, 7, 8, 9, 10, 11, 12, 14, 16, 18, 19, 20, 22, 24, 26, 28, 32, 40, 48



KA-7323K 5pcs Wheel Stud Rethread Set

- Repair damaged wheel stud threads on most of cars and light trucks.
- Sizes include: rethread dies: 1/2"x20NF, 7/16"x20NF, 12-1.50mm, 12-1.25mm; rethread file: 20TPI, 1.25mm, 1.5mm.
- Packed in a compact blow molded plastic case with lid.



KA-6709K 15pcs Metric Rethreader Set

Content:

7pc rethreader dies: 6x1.00, 8x1.25, 10x1.25, 10x1.50, 12x1.25, 12x1.5, 12x1.75mm

7pc metric rethreader taps: 6x1.00, 8x1.25, 10x1.25, 10x1.50, 12x1.25, 12x1.5, 12x1.75mm

1pc metric thread file



KA-6710K 18pcs UNF & UNC Rethreader Set

Content:

8pcs UNF rethreader dies: 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 3/4"

8pcs UNC rethreader dies: 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 3/4"

Files for restoring

External threads: 9, 10, 11, 12, 13, 14, 16, 18, 20, 24, 27, 28, 32 TPI



KA-6711K 26pcs UNF & UNC Rethreader Set

Content:

7pcs UNF rethreader dies: 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8" UNF

7pcs UNC rethreader dies: 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8" UNC

12pcs rethreader tap sizes: 1/4", 5/16", 3/8", 7/16", 1/2", 9/16" UNF
1/4", 5/16", 3/8", 7/16", 1/2", 9/16" UNC



KA-6712AK 42pcs UNF, UNC & Metric Rethreader Kit

Content:

21pcs rethreader dies:

1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8" UNF

1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8" UNC

6x1.00, 8x1.25, 10x1.25, 10x1.50, 12x1.25, 12x1.5, 12x1.75mm

19pcs rethreader tap sizes:

1/4", 5/16", 3/8", 7/16", 1/2", 9/16" UNF

1/4", 5/16", 3/8", 7/16", 1/2", 9/16" UNC

6x1.00, 8x1.25, 10x1.25, 10x1.50, 12x1.25, 12x1.5, 12x1.75mm

Description pitch sizes:

SAE FILE: 11, 12, 13, 14, 16, 18, 20 and 24

SAE FILE: 9, 10, 12, 16, 20, 27, 28 and 32

KA-6713K 43pcs UNF, UNC & Metric Rethreader Kit

Content:

21pcs rethreader dies:

1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8" UNF
1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8" UNC
6x1.00, 8x1.25, 10x1.25, 10x1.50, 12x1.25, 12x1.5, 12x1.75mm

19pcs rethreader tap sizes:

1/4", 5/16", 3/8", 7/16", 1/2", 9/16" UNF
1/4", 5/16", 3/8", 7/16", 1/2", 9/16" UNC
6x1.00, 8x1.25, 10x1.25, 10x1.50, 12x1.25, 12x1.5, 12x1.75mm

Description pitch sizes:

METRIC FILE: 0.75, 1.00, 1.25, 1.75, 2.00, 2.50 and 3.00mm
SAE FILE: 11, 12, 13, 14, 16, 18, 20 and 24
SAE FILE: 9, 10, 12, 16, 20, 27, 28 and 32



KA-7659 51pcs Thread Restoring Tap, Die & File Kit

Content

Description pitch sizes:

1pc SAE thread restoring file(8 pitches:11, 12, 13, 14, 16, 18, 20, 24 TPI) with red plastic file handle
1pc SAE thread restoring file(8 pitches: 8, 9, 10, 11, 12, 20, 27, 28, 32 TPI) with red plastic file handle
1pc SAE thread restoring file(8 pitches: 0.75, 1.00, 1.25, 1.50, 1.75, 2.00, 2.50, 3.00mm) with red plastic file handle

Rethreading dies size:

1/4"-20, 5/16"-18, 3/8"-16, 7/16"-14, 1/2"-13, 9/16"-12, 5/8"-11 USS coarse
1/4"-28, 5/16"-24, 3/8"-24, 7/16"-20, 1/2"-20, 9/16"-18, 5/8"-18 SAE fine
6x1.00, 8x1.25, 8x1.50, 10x1.00, 10x1.25, 10x1.50, 11x1.50, 12x1.25, 12x1.50, 12x1.75, 14x1.50mm

Rethreading dies size:

1/4"-20, 5/16"-18, 3/8"-16, 7/16"-14, 1/2"-13, 9/16"-12 USS coarse
1/4"-28, 5/16"-24, 3/8"-24, 7/16"-20, 1/2"-20, 9/16"-18 SAE fine
6x1.00, 8x1.25, 8x1.50, 10x1.00, 10x1.25, 10x1.50, 11x1.50, 12x1.25, 12x1.50, 12x1.75, 14x1.5mm

Do not use on hardened threads or to cut new threads. Use oil on threads for longer die life.



Stud Extractor

KA-9028-38 Size: 3/8" (6-12mm)

KA-9028-12 Size: 1/2" (6-12mm)

KA-9028-14 Size: 1/4" (1-6mm)

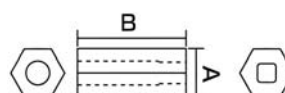


KA-9049 Guide Bar Of Tap

The guide bar can easy guide the tap to work in narrow or sunken space.

The set includes:

Size	A x B
M6	10 x 25mmL
M8	12 x 27mmL
M10	14 x 27.5mmL
M12	14 x 29.5mmL



- This tool set accesses axle threads on spindles of eight popular die sizes for both cleaning and rethreading work.
- Special twist shape provides an easier & quicker work.

Comparison Axle Spindle Rethreading Set

1. Comparison between current design and our new twist design:



Advantage: new twist design provides a sharper point & more beautiful look.

2. Comparison between with & without extension bar:



Advantages: The torque wrench is also available, in the limited work space, working with torque wrench could fasten the whole tool to avoid lopsided situation.



KA-6431A 8pcs Twist Axle Spindle Rethreading Set

Application

When the axle screw is damaged or with rust.
Using with 32mm spanner.

Die Sizes

M20 x 1.25; M20 x 1.50; M22 x 1.00; M22 x 1.50; M24 x 1.50; M24 x 2.00
13/16" x 20 UNEF; 3/4" x 20 UNEF

Technical Data

Material : SCM440
Hardness: 45 ~ 48 degree

Instruction

Step 1: Remove the wheel axle nut.(refer to fig.1)
Step 2: Choose a suitable die from the 8 pieces provided.
Step 3: Screw the die onto axle spindle.



KA-6431B 9pcs Twist Axle Spindle Rethreading Set

Application

When the axle screw is damaged or with rust.

Die Sizes

M20 x 1.25; M20 x 1.50; M22 x 1.00; M22 x 1.50; M24 x 1.50; M24 x 2.00
13/16" x 20 UNEF; 3/4" x 20 UNEF

Extension bar (OD: 27mm): Material-S45C; HR: 38-43 degree

Technical Data

Material : SCM440
Hardness: 45 ~ 48 degree

Instruction

Step 1: Remove the wheel axle nut.
Step 2: Choose a suitable die from the 8 pieces provided.
Step 3: Screw the die onto axle spindle, then connect extension bar with the die.
Step 4: Using wrench or torque wrench for rethreading work.



KA-8018 Grease Injector Needle

- 18 gauge steel needle
- Can be easily inserted under or through bearing seals
- With protective sheath



KA-7665 O-Ring Pick-Up Tool

L: 98mm



KA-6490 Needle-Nose Grease Dispenser

Dispenses a fine line of grease to hard-to-reach areas. Excellent for four-wheel drive pick up (CV) universal joints.

Caution: do not use with power lubricating equipment. Use only 4000 psi working pressure accessories on power lubricating equipment.



KA-6440K 2pcs 4-Way Grease Fitting Tools

- Includes KA-6439 & KA-6440 (7/16" x 3/8" & 5/16" x 3/8")
- Wrench installs new fitting. "Easy-Out" removes broken fittings.

KA-6439 Designed for 1/8"NPT fittings. Tap repairs 1/8"NPT threads. Wrench removes 7/16" and 3/8" Hex fittings and plugs.

KA-6440 For most popular 1/4"-28 and 6mm fitting. Tap repairs 1/4"-28 threads. Wrench removes 5/16" and 3/8" Hex fittings and plugs.

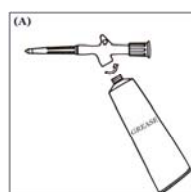
KA-7664 Mini Grease Gun

For mini bearings, model planes & cars toys, reel, automotive & marine parts, etc.....good for hard-to-reach areas. This grease gun is easy to operate, with smooth flow, and is easy to carry around the work shop.

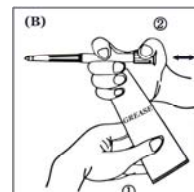


KA-7664-1 Spare Water Proof Grease 100ML (Tube)

Assembly Method:



Turn the grease tube counter-clockwise to the gun handle as shown on figure



Operating instruction:

When starting with new grease tube, press the tube with one hand while pressing trigger allowing air to be released from tube and grease start to flow through the nozzle.



KA-3139K

8pcs Professional Grease Accessories Set

1. **18" Grease hose (4,500 PSI)**
1/8" NPT both ends.
2. **18" Grease hose with spring (4,500 PSI)**
1/8" NPT both ends.
3. **12" Grease hose with spring**
1/8" NPT both ends.
4. **Needle nozzle**
1/8" NPT thread
5. **Lockable swivel coupler**
Swivels a full 360° and locks in any one of eight 45° positions.
6. **Needle nose grease dispenser**
Designed to contact flush type or hard to reach hydraulic type fittings.
7. **Angle lube adapter**
Works on cars, trucks, machines & farm equipment. 90° head design allows operator fast and complete lubrication of steering and suspension systems on late-model front wheel drive vehicles.
8. **Extension coupler**
Allows operator easy to lubricate recessed fittings where obstructions will not permit use of hydraulic coupler.



KA-7518K Grease Dispensers And Accessories

1. **KA-7518K-A 12" Rubber hose with coupler**
Flexible 12" rubber hose for manually operated guns.
1/8" – 27 NPT male fittings on both ends, one end complete with coupler.
2. **KA-6940 Needle-Nose grease dispenser**
3. **KA-7518K-C Needle-Nose grease dispenser**
Dispenses a fine line of grease to hard to reach areas.
Excellent for 4-wheel drive pick-up universal joints.
Converts jaw-type lube couplers to needle point.
Small and large sleeves fit all standard couplers.
Read attaches easily. Maximum working pressure – 3,000PSI.
4. **KA-7518K-D Heavy duty grease gun coupler**
For all hand grease guns. Spring loaded ball check valve 1/8" NPT.
Maximum working pressure – 4,000 PSI
5. **KA-7518K-E Push Type Adapter**
For converting standard jaw type lube couplers to a push type.
Lubricates obstructed recessed fittings that will not accept the use of standard couplers. For use hand guns only.
6. **KA-7518K-F Seal-Off dispenser**
Used for general front end greasing. Oil and grease resistant rubber tip. Use with grease gun extension or hose. 1/8" female NPT. For hand guns only.
7. **KA-7518K-G Needle point adapter**
Used to lubricate universal joints.
8. **KA-7518K-H Right angle grease coupler**
Fits grease fittings in confined areas. Specially designed seal and slot in coupler housing provides 90° access into areas with minimal clearance. Can be used on any greads fitting where space is problems, allows the user to eliminate the need for flexible hoses. For use with all standard grease guns – can be used as general purpose coupler.
9. **KA-7518K-I Grease gun coupler with ball**
Fits most grease gun accessories. 1/8" female pipe thread attaches easily. Maximum working pressure – 3,000PSI.
10. **KA-5029A Zerk grease-fitting tool**
Clears grease fittings of hardened matter. Fits both straight and angles zerk-style fittings. Fill with oil or grease, hold against zerk fitting, and simply strike with hammer to clear fitting. Do not use with engine running.



KA-8013 Professional Lubrication Kit

Ideal and essential kit for grease fittings in confined areas. Allows the operator to eliminate the need for changing coupler on grease gun and flexible hoses.

Use with all standard grease guns.

Flexible hose assembly includes 3 parts:

- **12" Flexible hose with 1/8 NPT fitting on both ends.**
- **Right angle grease coupler**
Specially designed seal and slot in coupler housing provides 90° access into areas with minimal clearance. Can be used on any grease fitting where space is problems.
- **Quick grease coupler**
Allows fast and easy connection with any standard grease guns

MAGNETIC ADJUSTABLE CAMBER GAUGE

It has a simple leveling adjustment of $\pm 3^\circ$. Housed in a durable, non-magnetic casing with a magnetic head that attaches firmly to rotors or spindles.

- Time/money saving device.
- Return a strut to its original camber after repair or replacement.
- Measure camber change before reinstalling alignment heads during camber kit installation.
- Check the amount of camber change before reinstalling tire and wheel assemblies on trucks receiving offset alignment bushings.



KA-7386
Straight Type Camber Gauge

- Length : 125mm



KA-7386-S
Swivel Type Camber Gauge

- Length : 145mm



KA-7386K 2pcs Camber Gauge

- straight + swivel type



KA-4029 Camber Caster Kingpin Gauge

The wrongly adjusted eccentric brake angle always causes from the abrasion of tire, to the steering wheel's shake, to the inclination of automobile body. This gauge is designed to exactly adjust the wrongly adjusted angle of wheel.

Using in conjunction with turning radius gauge(Sometimes they call it Turn Table), you can easily and rapidly measure correct angles of Camber, Caster and King Pin and a rotation angle of steering wheel. Moreover, when the angle of Camber and Caster has been changed simultaneously, you can get the best suited wheel alignment angle adjusted by the manufacturer because you can read the change of each angle at the same time.



KA-2446 7pcs Valve Tappet Gauge Kit

(FOR IMPORT VEHICLES)

ITEM NO.	GAUGE SIZE	ITEM NO.	GAUGE SIZE
1	0.04" (1.02mm)	5	0.10" (2.54mm)
2	0.06" (1.52mm)	6	0.11" (2.79mm)
3	0.07" (1.78mm)	7	0.12" (3.05mm)
4	0.08" (2.03mm)		

KA-6493 Universal Thread Gauge Set

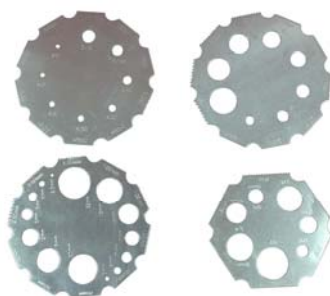
Identify bolts, fittings, pipe threads and spark plugs with either use or imperial threads. Soft aluminum won't damage threads of fine parts. Holes in gauge allow easy identification of component sizes.

Gauge allows quick identification of thread pitch or threads per inch.

Identifies both thread diameter and pitch.

Aluminum gauges identify:

- Use threads sizes from #5 to 3/4" and pitch of 10 TPI to 44 TPI
- Metric threads sizes from 2.5mm to 22mm and pitch of 0.45mm to 2.5mm
- Pipe threads sizes 1/16" to 1/2" with 14 TPI to 27 TPI
- Spark plug thread sizes 10mm to 18mm



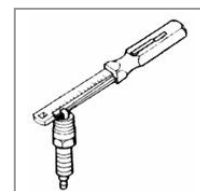
KA-2739 Tire Tread And Brake Lining Gauge

- Use to measure the amount of lining remaining on riveted and bonded drum shoes and disc brake pads.
- Measures tire tread depth up to 9/16" in graduations of 1/64"
- Checks pads without having to remove caliper completely.



KA-4383 E-Zee Grip Spark Plug Gap Gauge

This patented universal spark plug gauge is always at your fingertips by utilizing the "pocket clip" feature. Full range coverage for spark plug gapping requirements from .020" to .080". This range covers older models right through to the latest model vehicles including those equipped with distributor less ignition systems. Metric gapping scale shown on reverse side. Tool includes a recess specifically designed to adjust spark plug electrodes.





KA-6707 Screw Pitch Gauges (SAE size)

1	4	9	11	17	24
2	4.5	10	12	18	26
3	5	11	14	19	28
4	6	12	16	20	32
5	7	13	18	21	40
6	8	14	19	22	48
7	9	15	20		
8	10	16	22		



KA-6708 19pcs Screw Pitch Gauges (metric size)

1	0.40	8	1.25	15	4.00
2	0.45	9	1.50	16	4.50
3	0.50	10	1.75	17	5.00
4	0.60	11	2.00	18	5.50
5	0.70	12	2.50	19	6.00
6	0.75	13	3.00		
7	1.00	14	3.50		



KA-2428N 9pcs 90° Offset Feeler Gauge

1	0.009" (0.229mm)	6	0.019" (0.483mm)
2	0.015" (0.381mm)	7	0.020" (0.508mm)
3	0.016" (0.406mm)	8	0.021" (0.533mm)
4	0.017" (0.432mm)	9	0.026" (0.660mm)
5	0.018" (0.457mm)		



KA-4338N 25pcs Master Feeler Gauge

1	0.0015" (0.038mm)	8	0.008" (0.203mm)	15	0.015" (0.381mm)	22	0.028" (0.711mm)
2	0.002" (0.051mm)	9	0.009" (0.229mm)	16	0.016" (0.406mm)	23	0.030" (0.762mm)
3	0.003" (0.076mm)	10	0.010" (0.254mm)	17	0.018" (0.457mm)	24	0.032" (0.813mm)
4	0.004" (0.102mm)	11	0.011" (0.279mm)	18	0.020" (0.508mm)	25	0.035" (0.889mm)
5	0.005" (0.127mm)	12	0.012" (0.305mm)	19	0.022" (0.559mm)		
6	0.006" (0.152mm)	13	0.013" (0.330mm)	20	0.024" (0.610mm)		
7	0.007" (0.178mm)	14	0.014" (0.356mm)	21	0.025" (0.635mm)		



KA-4339N 25pcs Metric Feeler Gauge

1	0.04mm	8	0.15mm	15	0.50mm	22	0.85mm
2	0.05mm	9	0.20mm	16	0.55mm	23	0.90mm
3	0.06mm	10	0.25mm	17	0.60mm	24	0.95mm
4	0.07mm	11	0.30mm	18	0.65mm	25	1.00mm
5	0.08mm	12	0.35mm	19	0.70mm		
6	0.09mm	13	0.40mm	20	0.75mm		
7	0.10mm	14	0.45mm	21	0.80mm		

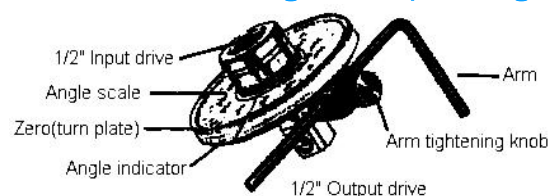


KA-4340N 36pcs Combination Feeler Gauge

1	0.006" (0.152mm)	10	0.004" (0.102mm)	19	0.013" (0.330mm)	28	0.022" (0.559mm)
2	0.008" (0.203mm)	11	0.005" (0.127mm)	20	0.014" (0.356mm)	29	0.023" (0.584mm)
3	0.010" (0.254mm)	12	0.006" (0.152mm)	21	0.015" (0.381mm)	30	0.024" (0.610mm)
4	0.012" (0.305mm)	13	0.007" (0.178mm)	22	0.016" (0.406mm)	31	0.025" (0.635mm)
5	0.014" (0.356mm)	14	0.008" (0.203mm)	23	0.017" (0.432mm)	32	0.026" (0.660mm)
6	0.016" (0.406mm)	15	0.009" (0.229mm)	24	0.018" (0.457mm)	33	0.028" (0.711mm)
7	0.002" (0.051mm)	16	0.010" (0.254mm)	25	0.019" (0.483mm)	34	0.030" (0.762mm)
8	0.0025" (0.063mm)	17	0.011" (0.279mm)	26	0.020" (0.508mm)	35	0.032" (0.813mm)
9	0.003" (0.076mm)	18	0.012" (0.305mm)	27	0.021" (0.533mm)	36	0.035" (0.889mm)



KA-6637 Motor Angular Torque Gauge



KA-5113 1/2" Dr. Torque Wrench

0~200NM & 0~21MKG (EUROPEAN TYPE)

KA-5112 1/2" Dr. Torque Wrench

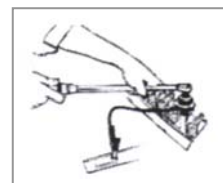
0~150FT/LBS (AMERICAN TYPE)

Length: 480mm



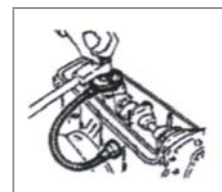
KA-8011 Torque Angle Meter (Clip)

- Use with 1/2" Dr. commonly used for tightening head bolts and other bolts where a torque angle is required.



KA-8012 Torque Angle Meter (Magnetic)

- Use with 1/2" Dr. commonly used for tightening head bolts and other bolts where a torque angle is required.



KA-4394 5pcs Changeable Spanner Torque Wrench

- Torque: 10~18~42-55~65~75NM (EUROPEAN TYPE)
- SPANNER SIZE: 17-22-24-27mm



KA-4395 7pcs Changeable Spanner Torque Wrench

- Torque: 10~18~42-55~65~75NM (EUROPEAN TYPE)
- SPANNER SIZE: 17-22-24-26-27-29mm



Brake Line Flare Nut Wrench

- For screwed connections on brake lines at the front and rear axle
- Straight design for the operation of the brake line screwing at the front axle
- Offset design for the safe operation of the brake line screwing at the rear axle
- Anti-slipping
- Reinforced design

KA-3299 Size: 10 x 11mm, 6 point

KA-3300 Size: 10 x 12mm, 6 point



KA-5127 4psc Drive Nut Set



KA-5127A 5psc Drive Nut Set



**KA-5127B
3psc Universal
Strut Nut Tool Set**



Article-No	Size	Applicable	KA-5127	KA-5127A	KA-5127B
1022-01	10.5mm	VW GOLF REAR AXLE	•	•	•
1022-02	12.5mm	VW POLO FRONT AXLE	•	•	•
1022-03	14.5mm	POLO, GOLF, PASSAT, AUDI 80	•	•	•
1022-04	14.5mm	AUSTIN MAESTRO	•	•	•
1022-05	14mm	BENZ(W203)	•	•	•

KA-1022B Universal Strut Nut Tool Kit



Article-No	Size	Applicable
1022-01	10.5mm	VW GOLF REAR AXLE
1022-02	12.5mm	VW POLO FRONT AXLE
1022-03	14.5mm	POLO, GOLF, PASSAT, AUDI 80
1022-04	14.5mm	AUSTIN MAESTRO
1022-05	14mm	BENZ(W203)
1022-14	14mm	Honda. Nissan
1022-16	16mm	VW-Audi. Seat Flat
1022-17	17mm	FORO.VW-Audi. Seat. Flat
1022-18	18mm	FORO.VW-Audi. Seat. ROVER. Fiat. Opel. Peugeot. Renault. Jap. Puw
1022-19	19mm	VW-Audi. Seat. Citroen. Flat. Opel. Peugeot. Toyota
1022-21	21mm	Benz. Chrysler. VW-Audi. Jap. Pku (w203).Ford
1022-22	22mm	VW-Audi. Seat. Citroen. Flat. Opel. Peugeot. Renault. BMW
1022-24	24mm	VOLVO
1022-27	27mm	VW-Audi. Citroen. Peugeot



KA-1022C Shock Absorber Piston Rod Tool Set

- Indispensable for locking the shock absorber piston rod whilst loosening or tightening the piston rod nut, e.g. on Macpherson struts.
- Application range : VW-AUDI, SEAT,FIAT,VAUXHALL/OPEL, PEUGEOT RENAULT, BMW,MERCEDES, JAPANESE PASSENGER CARS,VOLVO, NISSAN, MERCEDES W203



KA-4514 14pcs



KA-4514A

Shock Absorber Tool Kit

- Specifically designed for repairing and replacing shock absorbers.
- Manufactured from Chrome Vanadium.
- Contents:

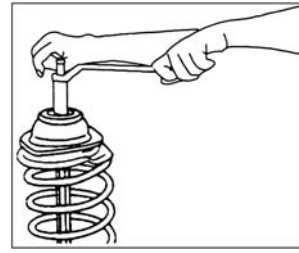
Q'ty	Description	KA-4514	KA-4514A
7pcs	Go through deep sockets: 16,17,18,19,21,22,24mm	•	•
1pc	1/2" Dr. sliding T-bar	•	•
2pcs	1/2" Dr. slot bit sockets: 5 x 8mm, 6 x 8mm	•	•
1pc	21mm Hex Go through ratchet	•	•
1pc	1/2" Dr. Hex bits: 5mm	•	•
1pc	1/2" Dr. Hex bits: 6mm	•	•
1pc	1/2" Dr. Hex bits: 7mm	•	•
1pc	1/2" Dr. Hex bits: 8mm	•	•

Examples of use include:

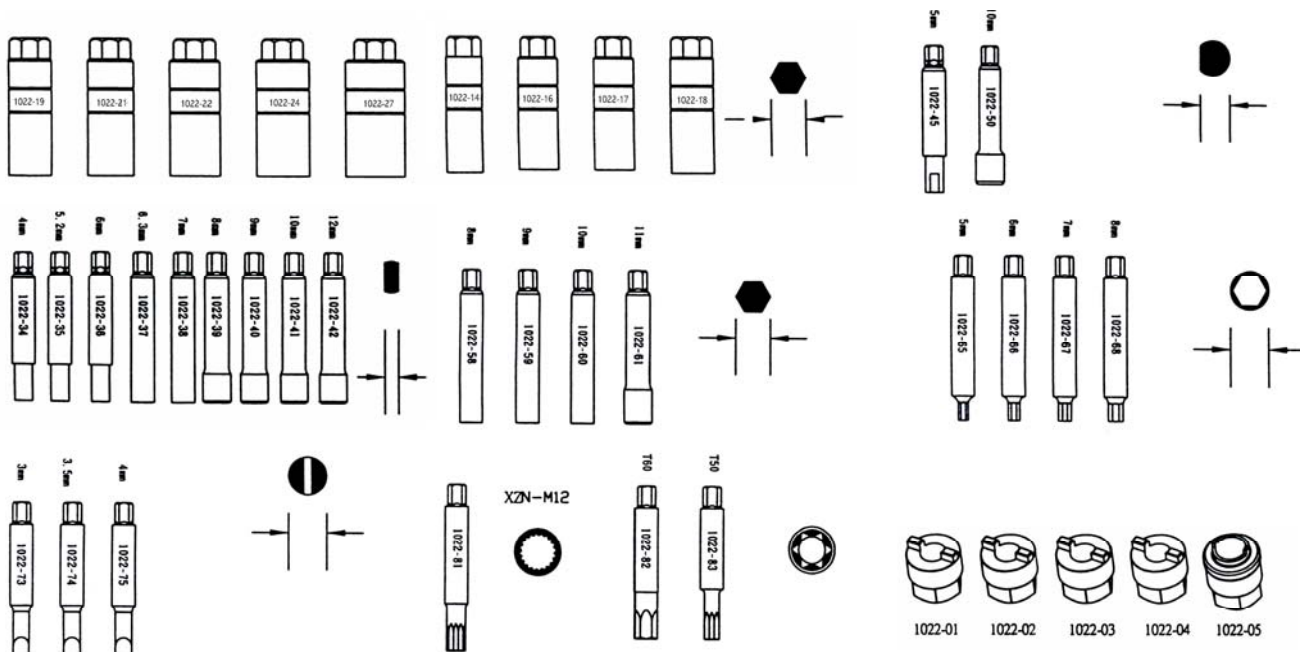
- 5mm Hex for BMW 1 Series from 2011, 2 Series 3 Series & 4 Series from 2013, X1 from 2015 on combined with appropriate socket.
- 6mm Hex and 8mm Hex used on Mercedes-Benz with 19mm socket.
- 8mm Hex for BMW combined with appropriate socket.
- 7mm for GM/Vauxhall combined with appropriate socket.
- Slot bit socket combined with 17mm socket used on Volkswagen and Audi models.



KA-1022K 39pcs Universal Strut Nut Tool Set



Article-No	Size	Applicable	Article-No	Size	Applicable
1022-01	10.5mm	VW GOLF REAR AXLE	1022-40	9mm	Japanische Pkw
1022-02	12.5mm	VW POLO FRONT AXLE	1022-41	10mm	Seat. Fiat...Volvo
1022-03	14.5mm	POLO.GOLF.PASSAT.AUDI 80	1022-42	12mm	Seat. Fiat
1022-04	14.5mm	AUSTIN MAESTRO	1022-45	5mm "D"	Nissan
1022-05	14mm	BENZ(W203)	1022-50	10mm "D"	Nissan. FORD
1022-14	14mm	Honda. Nissan	1022-58	8mm	BMW
1022-16	16mm	VW-Audi. Seat Flat	1022-59	9mm	OPEL.CHRYSLER
1022-17	17mm	FORO.VW-Audi.Seat.Flat	1022-60	10mm	CHRYSLER.FORD & Bit holder
1022-18	18mm	FORO.VW-Audi.Seat.ROVER.Fiat. Opel.Peugeot.Renault.Jap.Puw	1022-61	11mm	Japanische Pkw
1022-19	19mm	VW-Audi.Seat.Citroen.Flat.Opel. Peugeot.Toyota	1022-65	5mm	HONDA
1022-21	21mm	Benz.Chrysler.VW-Audi.Jap. Pku(w203).Ford	1022-66	6mm	Seat. Fiat, Cirtroen, Peugeot, Ford, Opel,Renault,Jap, Pkw, BMW
1022-22	22mm	VW-Audi.Seat.Citroen.Flat. Opel.Peugeot.Renault.BMW	1022-67	7mm	VW-Audi,Seat, Fiat, Benz, Citroen, Peugeot, Renault
1022-24	24mm	VOLVO	1033-68	8mm	Mercedes
1022-27	27mm	VW-Audi.Citroen.Peugeot	1022-73	3mm	Mercedes
1022-34	4mm	Nissan	1022-74	3.5mm	CHRYSLER.FORD
1022-35	5.2mm	VW-Audi.Nissan	1022-75	4mm	Citroen. Peugeot
1022-36	6mm	VW-Audi Renault	1022-81	XZN-M12	Opel(ohne Abb)
1022-37	6.3mm	Nissan	1022-82	T50	FORD
1022-38	7mm	VW-Audi. Seat, Flat	1022-83	T60	Nissan,FORD
1022-39	8mm	Seat. Flat			





KA-3835

Shock Absorber Counter Holding Tool

- Remove and Install the front and rear shock absorbers.
- For the retention of the damper piston rod when repair work at the strut (shock absorber, strut mounting, coil spring).
- Application: Suitable for VW-Audi, Ford, Opel/Vauxhall, Japanese Cars...etc.



KA-4429K Deluxe Hubcap & Wheel Lock Removal Kit

Contents:

- Dual sided tapered lug nut socket 7/8"(22mm) to 1-1/8"(28mm)
- Dual sided tapered lug nut socket 3/4"(19mm) to 15/16"(24mm)
- Dual sided twist thread socket 3/4" (19mm) to 13/16"(21mm)
- Hole through socket 15mm
- GM spline hubcap lock remover 14mm
- Single end socket 15mm
- Ford/Chrysler hubcap lock remover 14mm
- Extractor Punch
- Socket Installing Driver



KA-3314K Deluxe Hubcap & Wheel Lock Remover Kit

Content:

- Dual sided tapered lug nut socket 7/8"(22mm) to 1-1/8"(28mm)
- Dual sided tapered lug nut socket 3/4"(19mm) to 15/16"(24mm)
- Dual sided twist thread socket 3/4" (19mm) to 13/16"(21mm)
- Hole through socket 15mm
- GM spline hubcap lock remover 14mm
- Single end socket 15mm
- Ford/Chrysler hubcap lock remover 14mm
- Extractor Punch
- Socket Installing Driver
- Locking Wheel Nut Remover 2 Pieces
 - 1/2"dr. sq. 13/16" x 38mm
 - 1/2"dr. sq. 1" x 38mm



KA-6449 Transmission Seal Remover & Installer Instructions

GM transmission Seal remover & installer allows user to remove and install transmission shift selector shaft seals without draining fluid screw threaded cone into seal and tighten remover screw to easily pull worn seal. Then place installer over new seal and selector shaft and lightly tap with hammer.



KA-3918 Transmission Seal Removers And Installers

Remove and install transmission shift selector shaft seals without draining fluid. To use screw cone-shaped threads into seal and tighten remover screw to pull worn seals. Place installer over new seal and selector shaft and tap with hammer to install.



KA-3919 Transmission Selector Shaft Seal Remover & Installer

Capacity: 5/8" to 3/4" (16-19mm)

KA-2577K Alignment Tool Set

The pressure fixtures allows a single mechanic working alone to adjust and set camber angles. Quick and easy, labor-saving. Place the tool between the strut or body work and the wheel-rim and camber can be adjusted by rotating the hexagonal drive.

Technical Data:

75mm spindle

Span width min:.....130mm

Span width mix:.....170mm

85mm spindle

Span width min:.....148mm

Span width mix:.....180mm

115mm spindle

Span width min:.....170mm

Span width mix:.....220mm

Application:

VW Polo from '95 onwards, Seat Cordoba etc...



Alignment Tool Set

A. KA-2574

135mm 2pcs/set

B. KA-2575

148mm 2pcs/set

C. KA-2576

170mm 2pcs/set

A:130mm,B:142mm,C:170mm



A:180mm,B:190mm,C:220mm



KA-7752 Powerbar Hand Impact Wrench

Remove and replace Harmonic Balancer Pulleys. Up to 600 ft/lb of torque. Applications include pulleys, flywheels, couplings, flanges, lawn mower base plate, etc.



KA-2802 Flywheel Locking Tool (universal)

- Universal for all vehicles.
- A must-have tool for dismantling and re-assembling the flywheels, clutch pressure plates and belt pulley.
- Length: 260mm
- Weight: 285g

TIP



KA-2800 Pulley Spinning Tool

- Special tool for forged pulley.
- For turning/spinning off the crankshaft, camshaft..etc.
- Weight: 390g, Length: 330mm
- Application: Japanese Vehicles, Mercedes Benz, BMW, Ford, Opel, Peugeot, Renault, Rover, Volvo, VW, Audi.

Warning: This tool is NOT for "counter-holding" wrench for shaft.



KA-3657 BENZ Flywheel Locking Tool

Use for BENZ M101, M102, M103, M104, M111, M601, M602

Used to fix the flywheel gear to remove & install crankshaft pulley center bolt.

KA-2815 Exhaust Spring Clamp Remover / Installer

- A Tool Designed for safe, controlled removal of clamps attaching the exhaust to manifold.
- An Essential Tool to Have!!
- Special design provides "LEVERAGE" to expand the strong spring clamps.
- For Volkswagen.



KA-3521 Fuel Tank Sender Spanner Set (adjustable)

Universal application.

For removing and replacing the Plastic Retaining Ring on the sender Unit on Fuel Tanks.
Tank Sender Spanner \varnothing 75-100 mm.



KA-3955 Pulling Flange

- For wheels and discs with tapped holes up to M10.
- The flange is fitted with slots for hole pitches of 180 and 120 degrees.
- Using one pair each of long (135 mm) and short (85 mm) hooks and a protective cap for the thread of the steering column no.



KA-3956 5pc Internal Extractor Set

- For tightly-fitting ball bearings, bearing races, bushings and shaft seals.
- To use with impact bearing extractor or support brace.
- Titanium-nitrided surface.
- Contents :
 - 4 internal extractors (5-8.5 mm), (8-15 mm), (15-24 mm), (25-36 mm)
 - 1 impact bearing puller.
 - Multiple wrench size (11+ 13 mm)
 - M10 connecting thread
- Operation: The internal extractor is inserted into the bearing and the spindle screwed in. The sharp turned-out shoulders of the pulling shell jaws will press outwards behind the part to be extracted. The counter-support brace or the impact bearing puller is then added.



KA-3308SC Front Wheel Axle Puller

Special Feature: Use the extendable and adjustable steep cable to clip onto the axle/drive shaft tightly and pull out the axle/drive shaft with slide hammer easily.

- Material: Body (Iron), Slide Hammer (Cast Iron), Cable (Steel).
- Maximum Steel Cable Diameter: 10-100mm I.D.
- Overall Length: 980mm / Weight: 4.66kg
- Patented.





KA-8317 Diesel Injection Pump Puller For BMW

This tool is specifically designed for holding the sprocket/chain in place when disassembling the VP44 injection pump and high pressure pump.

■ Common rail fitted to BMW engines:

318D/compact(E46), 320D/TD compact(46), 330D(E46), 525D(E39), 525D(E60/E61), 530D(E39), 530D(E60/E61), 535D(E60/E61), 730D(E38), X53.0D(E53)

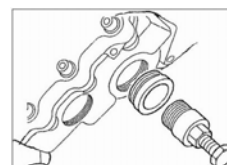


KA-3656 Diesel Injection Pump Puller for Land Rover

This tool is specifically designed for holding the sprocket/chain in place when disassembling the VP44 injection pump and high pressure pump.

■ Common rail fitted to Land Rover engines:

Land Rover / Freelander (TD4) / Rover / 75 (M47)



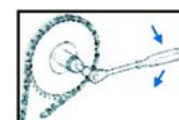
KA-8285



KA-8286 Puller for Injection Pump Tools Kit for BMW

■ Applicable for BMW 4 cylinder diesel engine(M41), 6 cylinder diesel engine- 2,5(M51) also for Opel/Vauxhall Omega 2,5 TD.

■ To loosen the injection pump pulley from the shaft when dismantling the injection pump.



KA-3952 Diesel Injection Pump Remover & Sprocket Retainer

– Land Rover/Rover

Removes the diesel pump and retains the pump sprocket in-situ so that the sprockets/timing chain configuration remains undisturbed, minimizing the level of engine disassembly. Essential for transversely fitted engines.



KA-3953 Diesel Injection Pump Remover & Sprocket Retainer

– BMW M47/M57

Removes the diesel pump and retains the pump sprocket in-situ so that the sprockets/timing chain configuration remains undisturbed, minimizing the level of engine disassembly.



KA-1326K Hydraulic Valve Lifter Puller

Large: pump remover & Sprocket retaining tool covers injection/HP pump removal on BMW models with M74/M47TU and M57/M57TU 2.0 & 3.0 diesel engines.

Small: Pump remover sprocket retaining tool covers injection/HP pump removal on LAND ROVER FREELANDER and ROVER 75 models with TD4 and M47 2.0 engines.



KA-2889 Cable Tie Tying Gun

A Great Tool for tying the Cable Ties.

- Capacity: for Clamp/ Tie width: 2.5~5.0mm
- Weight: 60g



KA-2888 Cable Tie Gun

- A Great Tool for Cable Ties.
- Capacity: For Cable Tie width: 2.5~5.0mm
- Weight: 275g



KT-N0001 Heavy Duty Creepers

- Features 1" steel tube frame for extra strength in heavy duty applications.
- Unique drop rail design allows greater shoulder and arm clearance.
- 1" thick padding on bed; 2" thick padding on headrest.
- Adjustable pneumatic headrest for maximum head comfort and shoulder support.
- Size: 1020 x 430 x 180mm



KT-N0002 Plastic Creepers with 6 Wheels

- 40" ergonomically designed frame
- 6-3" swivel casters make it extremely maneuverable
- Vinyl covered foam head rest for maximum comfort
- Two small storage trays conveniently located on either side
- * A low profile of 1" allows for greater clearance under vehicles

KA-3724 Pneumatic Bolt Removal Tool Vibro Impact

The vibrating pin transfers the impact pulse to the spanner face of the bolt or nut to be released. Rust becomes dislodged by the vibration, so that the bolt or nut can be removed.

Feature:

- For operation with impact hammer.
- Ergonomically shaped handle.
- Requires only minimum force.
- High-strength design.
- Quick loosening of heavily rested nuts.
- Universal heavy-duty tool

Specification:

- Length: 190mm
- Width: 65mm
- Clear width: 27mm





KA-3965 Double-Ring Shaped

For counterholding when operating the bottom strut unit screws on MERCEDES-BENZ type 169 (A-class)

- Especially for the limited space
- Great aid for installation or removal works, measurements /adjusting work. No more need for additional counterholding with a second hand (with a second mechanic) and another tool.
- Chrome-Vanadium, chrome-plated
- 2 x 21 mm 12-point profile
- Dimensions (L x W): 90 x 30 mm
- Thickness: 8 mm



KA-3971 Pin Wrench For Shock Absorber Screwing

For the operation of the upper shock absorber screwing on MERCEDES-BENZ, 211 T-model Rear (E-class station wagon)

- The recess in the front part of the pin wrench provides access to the piston rod and enabling the direct application of an operating tool
- Plastic coated blade prevents damage
- Operation with 3 front pins, Ø 8 mm
- Chrome-Vanadium, chrome-plated
- Length: 230 mm



KA-3977 VW, AUDI V-Belt Pulley Remover

- Special design to stop the pulley and remove the center bolts to remove the V-belt pulley at the generator.
- Use with 17mm wrench.
- Applicable: VW GOLF, VENTO, PASSAT, AUDI A3, AND VOLVO



KA-5286 Power Steering Evac Adapter Kit

- Power steering evac adapter for removing trapped air from automobile power steering systems.
- The adapter was developed to reduce bleed time following power steering repairs.
- Universal cone-shaped rubber body that adapts to the varying diameters of many automotive power steering reservoirs to form an airtight seal when vacuum is applied.
- The air bubbles can be loosened by simply working the steering.
- Adapter: 16~42mm & 48~58mm



Universal Bearing Race And Seal Driver (Adjustable)

- All in one design, eliminating the need for a driver and several different heads.
- 3-stepped jaws quickly adjust to accommodate bearing races and seals.
- Can be used on most vehicles, including motorcycles.

KA-7286A 18mm~90mm (0.708"~3.543")

Step 1: 18mm~53mm (0.708"~2.086")

Step 2: 41mm~76mm (1.614"~2.992")

Step 3: 54mm~90mm (2.125"~3.543")

KA-7286B 9.5mm~50mm (0.374"~1.968")

Step 1: 9.5mm~23.5mm (0.374"~0.925")

Step 2: 23.5mm~36.5mm (0.925"~1.437")

Step 3: 36.5mm~50.0mm (1.437"~1.968")



1. Loosen the crew, and then turn the dial to expand the jaws.



2. The face of the jaws seat against the race or seal.



3. Tighten the screw.



4. Place the race or seal in the mouth of the housing.



5. Tap the driver handle to force the race or seal into place.



6. Done.

1"Dr. Hand Torque-Converting Multiplier

- Ratio: 1:58.
- For tire changing.
- The Torque Multiplier is designed to loosen and tighten the fast bolts with ease.
- The planet gearing provides the torque ratio of 1:58.
- Labor-Saving, Simple and Easy.
- Essential tool for HGV's, building equipment and agricultural machinery.

Specification:

Ratio: 1:58

Output Torque: Maximum 3200 Nm

Input Torque: Maximum 62.5 Nm

Drive: 1" Outer Square

P.S: Sockets are available in other size

Warning: Hand socket can Not be used with Air Impact Wrench



KA-1315
5pc/set

weight: 6.2kgs



KA-1315A
8pc/set

weight: 8.0kgs



KA-1315B
10pc/set

weight: 8.7kgs

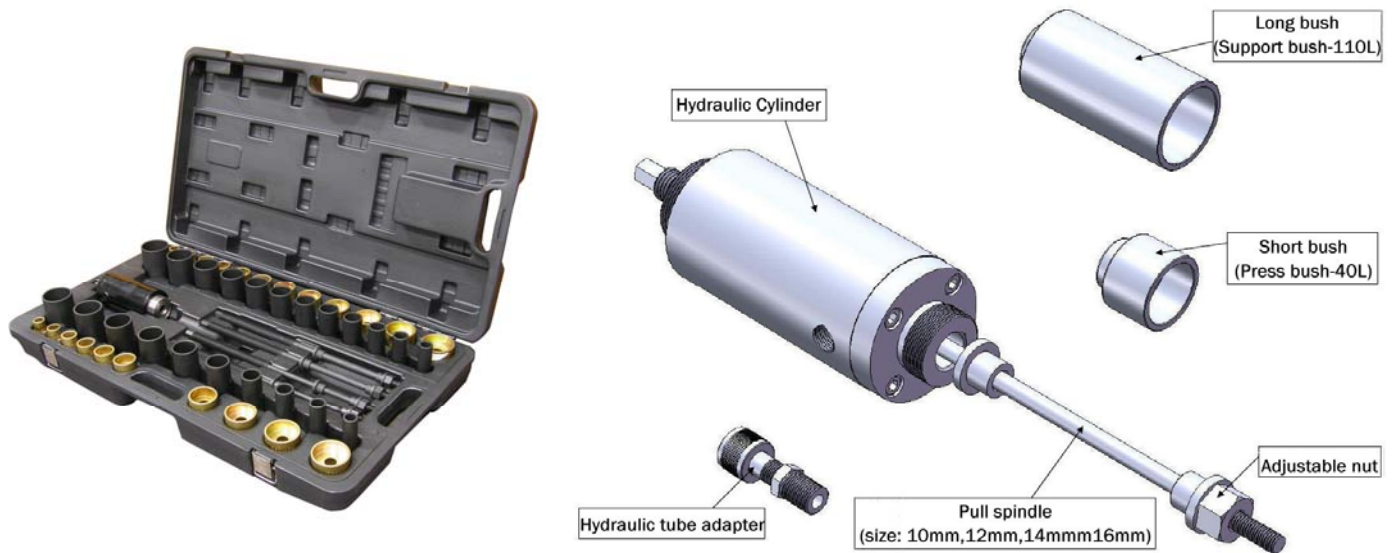


KA-1315-H90
5pc/set

weight: 6.2kgs

CONTENTS:		KA-1315	KA-1315A	KA-1315B	KA-1315-H90
KA-1315AM 1" Hand Torque-Converting Multiplier – Ratio 1:58		●	●	●	●
1"Dr. Hand Socket – KA-1315-1 24mm		–	●	●	–
1"Dr. Hand Socket – KA-1315-1 27mm		–	●	●	–
1"Dr. Hand Socket – KA-1315-1 30mm		–	●	●	–
1"Dr. Hand Socket – KA-1315-1 32mm		●	–	●	●
1"Dr. Hand Socket – KA-1315-1 33mm		●	–	●	●
1"Dr. Hand Socket – KA-1315-1 36mm		–	●	●	–
1"Dr. Hand Socket – KA-1315-1 38mm		–	●	●	–
Accessory – (KA-1315-CRANK) 1pc Crank		●	●	●	–
Accessory – (KA-1315C) 1pc Extension, length:210mm (1" outer square x 1" outer square)		●	●	●	●
Accessory – (KA-1315-90) 1pc Crank, 90MML Wheel Handle		–	–	–	●

KA-1024 Hydraulic Steering System Pull Tool Set



Universal application, fitting many types of different vehicles.

■ Easy work to remove and install:

Bearing bush, Silent bearing, Hydraulic bearing, Rubber bearing.

■ Hydraulic spindle: 18.2t

Sleeve size:

ID: Ø18mm~Ø60mm (L: 110mm & L: 40mm)

OD: Ø26mm~Ø68mm (L: 110mm & L: 40mm)

Spindle size:

Ø10mm, Ø12mm, Ø14mm, Ø16mm

Fig.1 Step to disassemble Ball-joint adapter:

- Choose a suitable pull spindle (the size fits the diameter of Ball-joint) a short and long bush.
- Place hydraulic cylinder, short bush, Ball-Joint, and then long bush.
- Operate adjustable nut by hand to connect it with long bush.

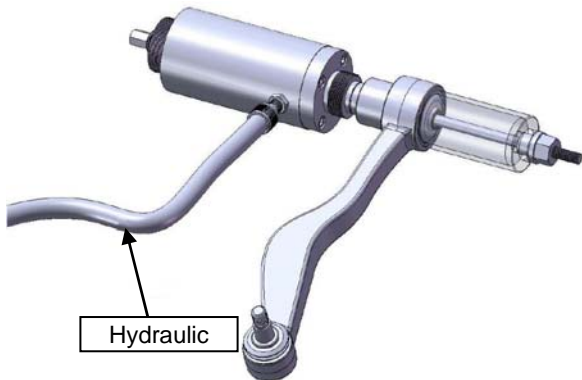


Fig.2 Step to disassemble Ball-joint adapter

- Press hydraulic hand pump, then long bush and Ball-joint will be pulled toward the left side and Ball-joint adapter is involved in ling bush. The work is done.

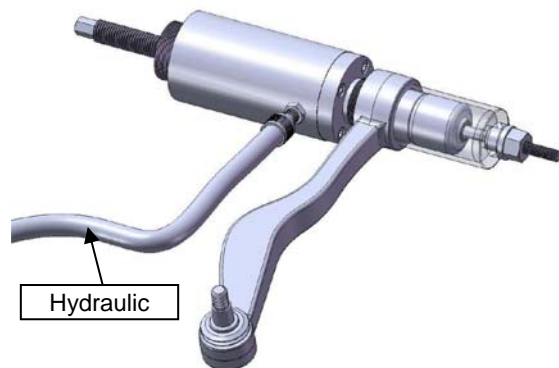


Fig.3 Step to replace a new Ball-joint adapter

- Exchange the position of short and long bush and operate adjustable nut.

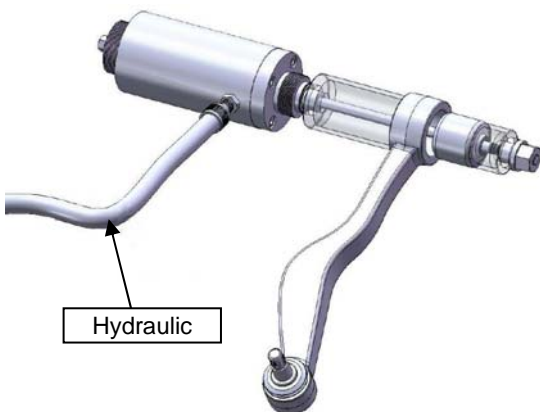
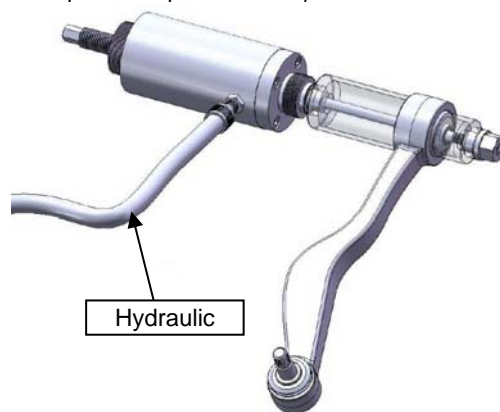
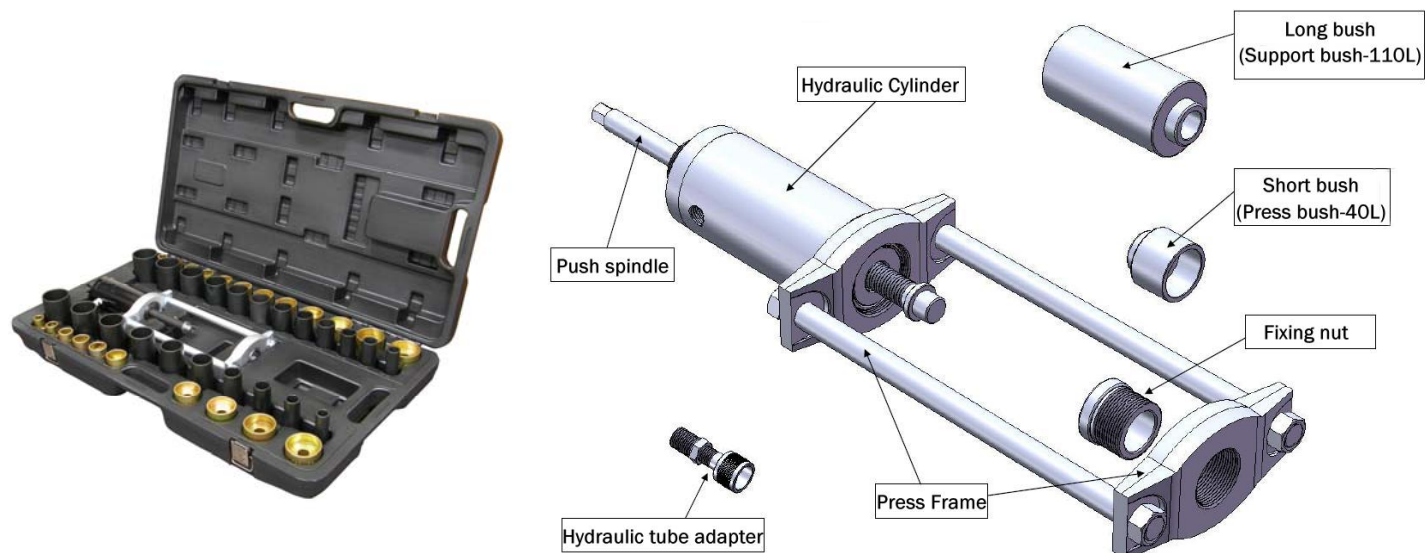


Fig.4 Step to replace a new Ball-joint adapter

- Press hydraulic hand pump to pull the whole device. New Ball-joint adapter will be pulled into Ball-joint.



KA-1025 Hydraulic Steering System Press Tool Set



Universal application, fitting many types of different vehicle.

■ Easy work to remove and install:

Bearing bush, silent bearing, Hydraulic bearing, Rubber bearing.

■ Hydraulic spindle: 18.2t

Sleeve size:

ID: Ø18mm ~ Ø60mm (L: 110mm & L: 40mm)

OD: Ø26mm ~ Ø68mm (L: 110mm & L: 40mm)

Spindle size:

Ø10mm, Ø12mm, Ø14mm, Ø16mm

Fig.1 Step to disassemble Ball-joint adapter:

- Choose a short and a long bush (the size fits the diameter of Ball-joint.)
- Place push spindle, hydraulic cylinder, press frame, short bush, Ball-joint, and then long bush.

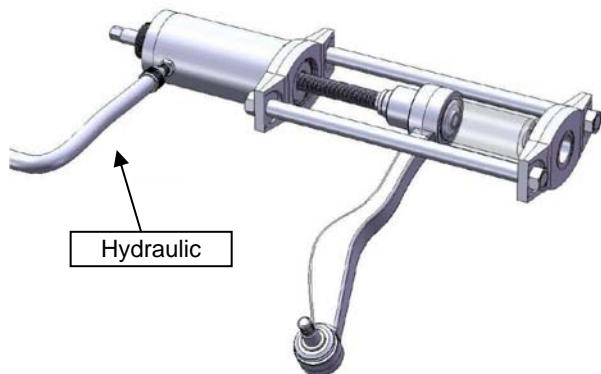


Fig.2 Step to disassemble Ball-joint adapter

- Press hydraulic hand pump, then short bush pushes Ball-joint adapter into long bush. The work is done.

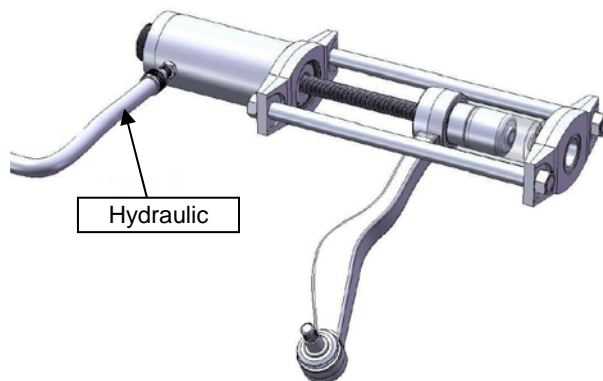


Fig.3 Step to replace a new Ball-joint adapter

- Exchange the position of short and long bush.

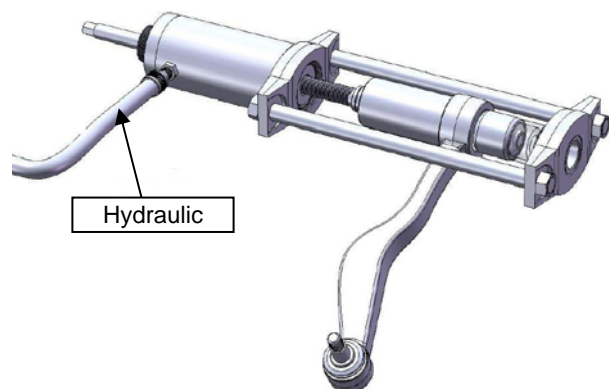
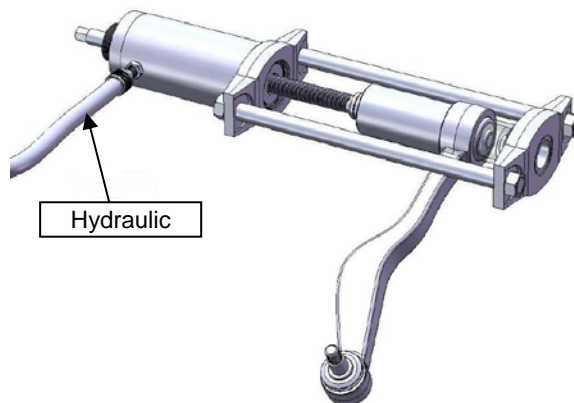


Fig.4 Step to replace a new Ball-joint adapter

- Press hydraulic hand pump to push the whole device. New Ball-joint adapter will be involved into Ball-joint.

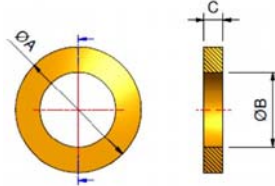


KA-7274 Assortment Of Copper Sealing Rings (450PCS)

Universal copper injector sealing ring set with 15 different combinations.



External diameter (A)	Internal diameter (B)	Thickness (C)	External diameter (A)	Internal diameter (B)	Thickness (C)
15	7	2	15.5	7.5	2
15	7.5	1	16	7.5	2
15	7.5	1.5	16.4	7.4	2
15	7.5	2	20	9.4	0.9
15	7.5	2.5	13.85	7.3	1.4
15	7.5	3	14.6	7.5	1.3
16	7.5	1.5	14.6	7.5	3
16	7.5	1.7			



KA-4026 Strut Tool

For removal and replacement of the rear shock absorbers on VW-Audi, Ford, Opel, Japanese cars, etc. 5 mm and 6 mm hex.



KA-7755AB Forcing Screw

- For separating by force the outer homocinetic joint of the axle drive shaft on VW, AUDI, SEAT or SKODA, e.g. when replacing axle boots
- Quick and problem-free working even on pasted homocinetic joints
- The outside hexagon 21 mm as well as the inside square 12.5=1/2" allow flexible application of different operating tools



- Size: M14 x 1.5
M16 x 1.5

Axial Joint Tool

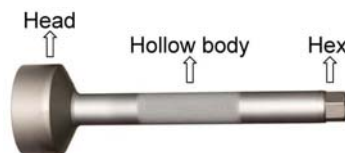
- Hollow body: Length 400mm
- Hex part on the end of tool: work with 27mm hex wrench or 1/2" DR. wrench.
- Function: remove and replace the axial joint.

KA-7226 Head Application: Ø35mm ~ Ø45mm (head diameter Ø89mm)

KA-7226A Head Application: Ø28mm ~ Ø35mm (head diameter Ø72mm)

**Specially made for Small Cars.*

KA-7226B Head Application: Ø45mm ~ Ø55mm (head diameter Ø89mm)



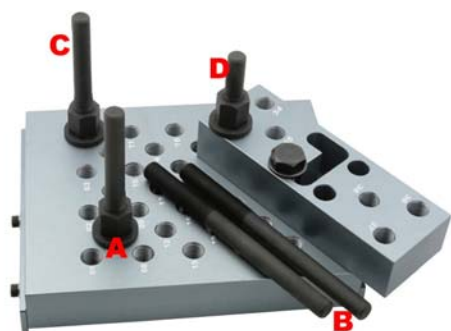
Step 1. The hollow body allowing the track rod lever to pass till the joint of the steering knuckle.



Step 2. Choose a 27mm hex wrench to work the end of this tool, turn it anticlockwise to loosen the axial joint.

Note: take a new axial joint and turn the hex part clockwise to replace a new one.

KA-5318 Universal Press support Set (20T, 30T)



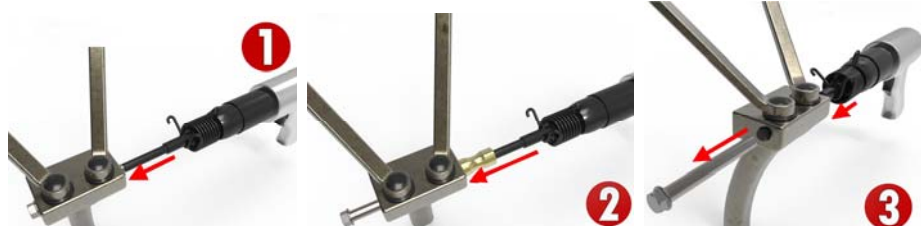
- Universal support for use with a workshop press. Makes shop press safe and easy to use.
- Creates 3 points of contact for stability, Guarantees a perfect and safe support.
- For mounting and dismounting jobs.
- Removable / height adjustable bolts allow adjustment to individual requirements.
- Numerous holes (01-38) on main block and swivel element for easy set-up.

- A. 3 nuts and washers
- B. 2 long studs
- C. 2 intermediate studs
- D. 1 short stud
- E. Swivel lock and base



KA-5192 3pcs Clamping Screw Ejector

- For the extraction of clamping screws with the chisel hammer set.
- It is important to observe the operating instructions as well as the safety instructions for pneumatic tools.
- Application range: four-link front axle Audi A4, A6 and VW Passat.



KA-3729 Suspension Wear Indicator

- Designed for detecting suspension and axle joint wear.
- It is easy and helpful tool for diagnosing problems with wheel bearings, suspension joints, suspension strut supports, axial joints, stabilizer bars, silent blocks, or steering gear.



KA-3951 Damper Pulley Puller Holder

- 5pc/set wrench 13, 15, 16, 17, 19mm
- 12PT
- Design to changeable head for pulley holder wrench. Set of 8 polygonal (Bi-hex) wrenches and extension handle for releasing the bolts used on Timing, Tensioner and Auxiliary pulley.
- Suits most vehicles.



KA-5190 Universal Belt Tensioner Wrench Set

- 13 wrench adapters and extension handle with locking system for V-belt and timing belt.
- Double ended: 12, 13, 14, 15, 16, 17, 18, 19mm.
- Single ended: E10, E12, E14, E16, E18.





KA-5032

Exhaust Hanger Removal Pliers

- For removing hanger brackets from their rubber mounting straps.

Instruction:

1. Target the pin on exhaust pipe rubber hanger
2. Press and simply remove the pin

KA-5032

Overall length: 275mm

KA-5032A

Overall length: 365mm, with adjustable head easy work at any position



Swivel

KA-5032A (Fixable)



KA-7290 Exhaust Pipe Clamp Pliers (PSA Group)

- Opens the pipe connector clamps on the exhaust system, for example in Citroen, Peugeot, Renault, Nissan and Opel models.
- The screw remains in the clamp after loosening, it guarantees the fast application.
- Length: 310mm
- Capacity: 50mm



KA-5185A

KA-5185B

Exhaust Pipe Reforming Tool

- Total Length: 240mm
- Material: S45C
- Heat Treated to HRC 44 ~ 46

KA-5185A

Reforming Range: DIA. 30 ~ 80mm

KA-5185B

Reforming Range: DIA. 41 ~ 57mm



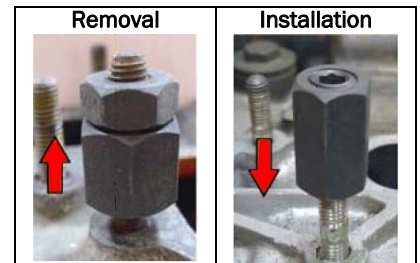
KA-5187 Pipe Stretcher Kit

- Stretches pipe up to 4-1/4" including stainless steel.
 - Use with an impact wrench to quickly stretch pipes.
 - Collet sets expand pipes from 1-5/8" to 4-1/4".
 - The tool can be used on the vehicle. The pipe stretcher kit is a convenient, inexpensive alternative to hydraulic pipe expanders. Comes in a molded storage case.
 - Applications: expands all types of exhaust pipe, including stainless steel, from 1-5/8" to 4-1/4" in size.
 - Instructions: turn 1-1/8" bolt with a 1/2" or 3/4" impact wrench. If necessary, choose appropriate aluminum adapter to use with the standard expander tool. The #3 adapter must be used with the #5 adapter.
- Be sure to keep threads and cone well lubricated.
- Extender #1 (2-3/8")
 Extender #2 (2-3/4")
 Extender #3 (3-1/8")
 Extender #4 (3-1/2")
 Extender #5 (3-7/8")



Stud Remove & Install Set

- Removes and installs studs without damaging threads.
- Special steel ball design provides energy-saving way of installing new studs.



KA-6981 8pcs, Metric size

- Includes the most common stud sizes in metric sizes: M6×P1.0, M8×P1.25, M10×P1.25, M10×P1.5



KA-6981L 11pcs, SAE size

- Includes the most common stud sizes in standard sizes: 5/16"×18, 5/16"×24, 3/8"×16, 3/8"×24, 7/16"×14

<p>Remove 1</p> <p>Step 1: screw the remover onto cylinder stud as possible reach the top of remover. (B)</p> <p>Step 2: Operate 2 wrenches (fit the size A & B) and lock part A & B together.</p>	<p>Remove 2</p> <p>Step 3: keep the wrench on part A and screw it until cylinder stud is removed.</p>	<p>Install 1</p> <p>Step 4: screw the new stud into installer until reaching steel ball.</p> <p>Step 5: screw the stud into the cylinder hole.</p>	<p>Install 2</p> <p>Step 6: loosen the small screw on the top of installer when the work is done, and then you could loose the installer easily.</p>
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KA-2163 8pcs Screw Extractor Set

- Size: NO.1 1/8" ~ 1/4" (3 ~ 6mm)
 NO.2 1/4" ~ 5/16" (6 ~ 8mm)
 NO.3 5/16" ~ 7/16" (8 ~ 11mm)
 NO.4 7/16" ~ 9/16" (11 ~ 14mm)
 NO.5 9/16" ~ 3/4" (14 ~ 18mm)
 NO.6 3/4" ~ 1" (18 ~ 25mm)
 NO.7 1" ~ 1-1/8" (25 ~ 28mm)
 NO.8 1-1/8" ~ 1-1/4" (28 ~ 32mm)



Reverse Action Wheel Stud Thread Restorer Kit

- Unique design allows for the two halves of the thread restorer to be fitted on the good thread and wound back over the damaged thread, normally at the end of the stud
- Traditional thread restorers rely on luck for the restored and undamaged threads to align
- Used to clean or repair axle thread.

KA-2050

Size: M12 x 1.25, M12 x 1.5, M14 x 1.5

KA-2050C

Size: M12x1.25, M12x1.5, M10x1.25, M10x1.5

KA-2050D

Reverse Action Wheel Stud Thread Restorer Kit – for Truck

- Unique design allows for the two halves of the thread restorer to be fitted on the good thread and wound back over the damaged thread, normally at the end of the stud
- Traditional thread restorers rely on luck for the restored and undamaged threads to align.

Size	Application
M18x1.5	DAF, IVECO, MAN, RENAULT, VOLVO
M20x1.5	MERCEDES, SCANIA
M22x1.5	DAF, FORD, MAN, RENAULT, VOLVO, MERCEDES, SCANIA
7/8"-11BSF	SCANIA



KA-2050K Axle Spindle Rethreading Set

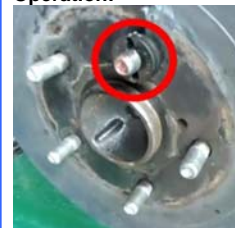
- Unique design allows for the two halves of the thread restorer to be fitted on the good thread and wound back over the damaged thread, normally at the end of the stud
- Traditional thread restorers rely on luck for the restored and undamaged threads to align.
- 9pcs thread restoring die set used to clean or repair axle thread on spindles of M24x2.0, M24x1.5, M22x1.5, M22x1.0, M20x1.5, M20x1.25, 13/16"x20, 3/4"x20
- Use with 32mm socket or wrench



KA-5331 8pcs Stud Puller Wrench Set

- Function: screw without head, screw up, pull up
- Advantage: quick function, no damage to stud.
- For most HGV applications.
- Ways in use: put stud puller wrench on screw then handle on it, turn it up or down.
- Made of chrome vanadium.
- Size: 18, 20, 22, 24, 27, 28, 29, 30mm.

Operation:



Step 1:
Choose suitable thread restoring die and to be fitted on the undamaged thread.



Step 2:
Then fit the socket.



Step 3:
Use a suitable wrench or T-bar wrench to wound back over the damaged thread.

** Please always lubricate the thread before cutting new thread.*



KA-3713R Extension Tube For The Rear Axle (R)

- With hexagon drive SW 41.
- For the removal and installation of wheel hubs.
- For the protection of the wheel bearing and threaded bolts.
- Suitable for right and left handed threads
- Application: right handed thread = rear axle HL2 e.g. MAN L series

Thread	Inner Ø mm	Outer Ø mm	L mm
M75 x 1.5	60	78	180



KA-3713L Extension Tube For The Rear Axle (L)

- With hexagon drive SW 41.
- For the removal and installation of wheel hubs.
- For the protection of the wheel bearing and threaded bolts.
- Suitable for right and left handed threads.
- Application: Left handed thread = Mercedes Benz Atego / Vario

Thread	Inner Ø mm	Outer Ø mm	L mm
M75 x 1.5L	60	78	180



KA-3714 Extension Tube for MAN TGA Rear Axle

- For the removal and installation of wheel hubs.
- Extension tube for the protection of the wheel bearing and threaded bolts.
- With knurling and bore for toggle lever.
- Application: MAN TGA rear axle e.g. HY 1350

Thread	Inner Ø mm	Outer Ø mm	L mm
M100 x 1.5	96	105	360



KA-2098A Slide Hammer Locking Pliers

- Adjustable locking pliers with detachable slide hammer.
- Woodworking applications include: wood working for nail and pin extraction.
- Automotive application include: split pin and blind pivot pin extraction...etc.
- Body shop application: dent pulling using welded pins, minor jack damage to sills, etc.
- Combined the ability to twist as well as pull.

KA-2098 Locking Puller

The locking puller can simply pull out any item you want to remove, 1.3kgs hammer sliding in the end will create a strong pulling force. In addition, the bolt can be removed quickly in the joint, separating the slide hammer and pliers, used as a rotating ring with locking pliers. It is possible to work in narrow places.

Applications:

Pull out the rusty bolts / Pull out the staples / pull out the nails / steering wheel / Cotter pin / Dent puller / Fixing pins.





KA-3663 Hydraulic Ram Set – 8 holes plate

- Diameter of disc: 148mm
- Types of cars that are used: Renault / Peugeot / Citroen / VW / Audi / Seat / Skoda / Opel / Volvo / Fiat etc.
- Hydraulic Power: 12 tons
- 8 holes plate



KA-3663N Hydraulic – Spindles & Wheel Hub

- 12T / 120KN / Un Thread 1-1/2" x 16
- Especially design for glued and rusty drive shafts.
- For 4 hole and 5 hole wheel hubs.
- 116 – 135mm hole circle.



KA-3663KC Hydraulic Ram & Slide Hammer Puller Set (8 holes 148mm)

- Diameter of disc: 148mm & 8 hole
- Application: Renault / Peugeot / Citroen / VW / Audi / Seat / Skoda / Opel / Volvo / Fiat etc.
- Hydraulic power: 12 tons
- Hammer wight: 4.3kgs



KA-3663K Hydraulic Ram & Slide Hammer Puller Set (10 holes 14805mm)

Patented safety design hydraulic ram.
Capacity: 12 Ton.

T-Type Hex Head: S45C Ø3737mm x L168 x 1-1/2"
16T Manually or with a torque wrench.

Specification:

- 10 Holes Plate
- Size: 148.5mm dia. , 90mm height
- Depth for bearing 55, 64, 75mm
- Suitable for 3, 4, 5 bolt
- Range: 90~123mm
- Slide Hammer: 2.8kgs (6lb)



Slide Hammer Puller Kit – 10 holes plate

- S45C Ø 37.7mm 16T
- 2.8kgs (6 lb) slide hammer
- Height: 90mm
- Depth for bearing 55, 64, 75mm
- Suitable for 3, 4, 5 bolt



KA-3663NB

Small plate

- Diameter of disc: 148.5mm
- Range: 96 ~ 123mm

KA-3663NBL

Big plate

- Diameter of disc: 164mm
- Range: 96 ~ 138mm



Hydraulic Ram Set – 10 holes plate

- S45C Ø 37.7mm 16T
- Capacity: 12 Tons
- T-type Hex. Head for either hand or torque wrench usages.
- Height: 90mm
- Depth for bearing 55, 64, 75mm
- Suitable for 3, 4, 5 bolt



KA-3663NA

Small plate

- Diameter of disc: 148.5mm
- Range: 96 ~ 123mm

KA-3663NAL

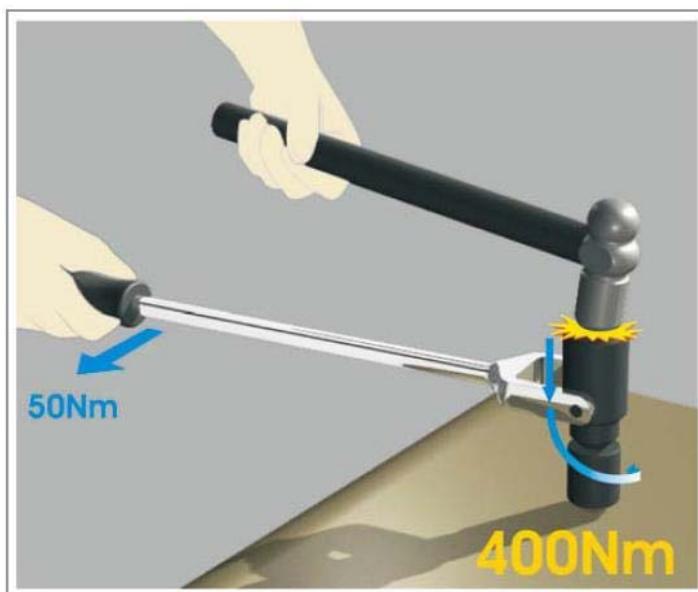
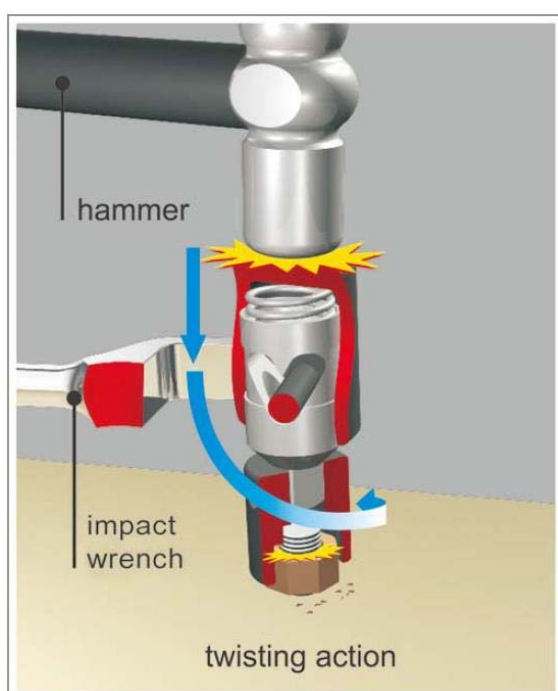
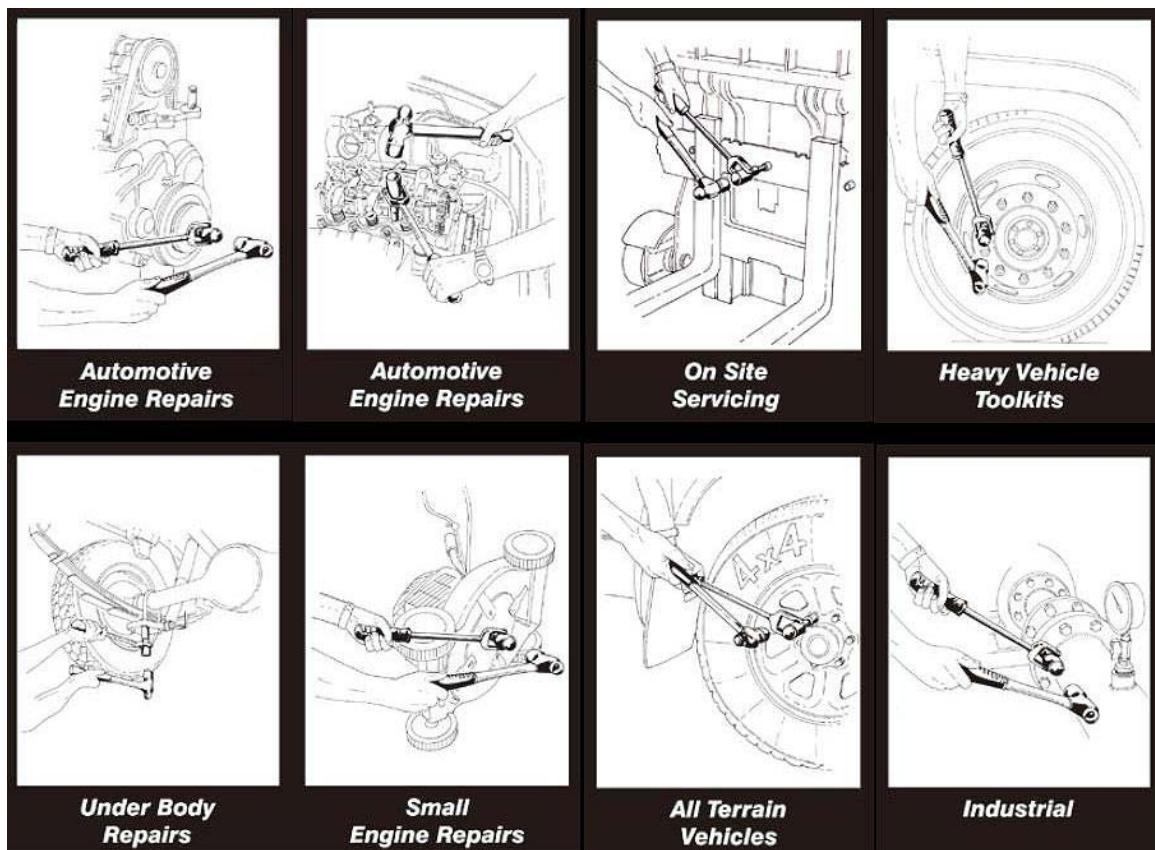
Big plate

- Diameter of disc: 164mm
- Range: 96 ~ 138mm



KA-6669 Hand Impact Wrench

- Ideal for loosening extremely jammed screws.
- Also usable to the tightening of screws and/or nuts.
- Optimal 8:1 torque ratio.
- 360° rotating head.
- Impact screw can be combined with every 1/2" drive nut.
- With one component handle.



Patented: EU, Japan

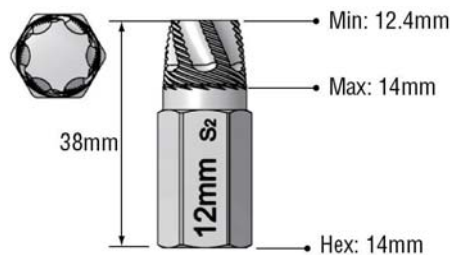
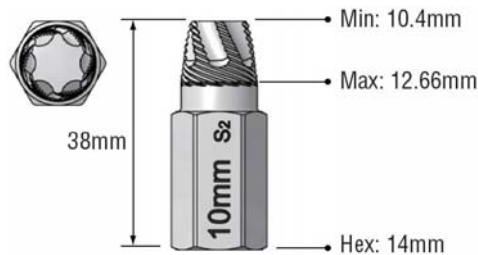
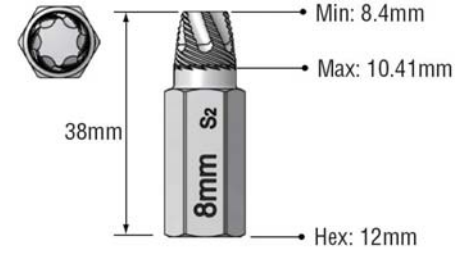
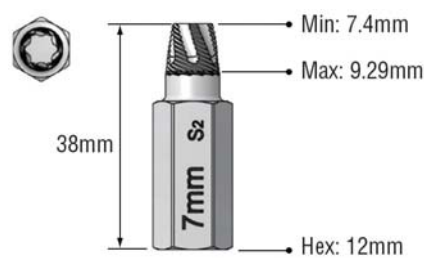
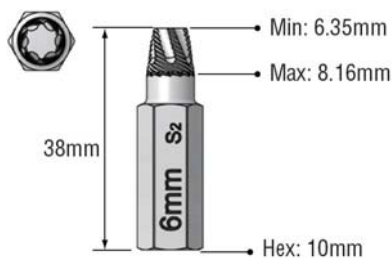
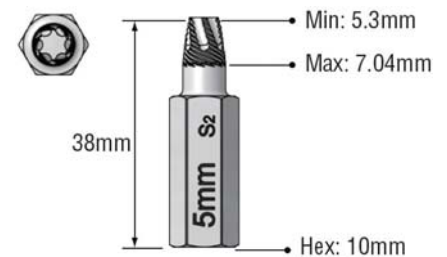
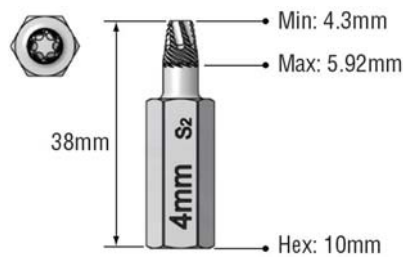
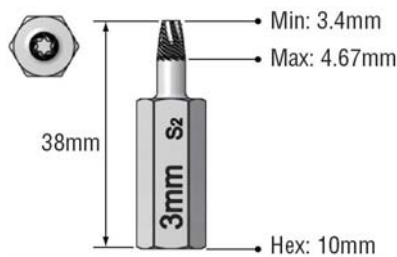
Patent Pending: Taiwan, Germany, USA, UK, China

KA-6987 8pcs Torx Plus Extractor Set

- Special design of torx plus head, twist body with teeth and tap shape.
- High efficiency to remove damage objects as below
 - Hex inside (not stripped)
 - Stripped hex inside
 - Round inside
 - Stripped round inside
 - Torx / torx plus / torx security inside
 - Stripped torx / torx plus / torx security inside
- Wide application

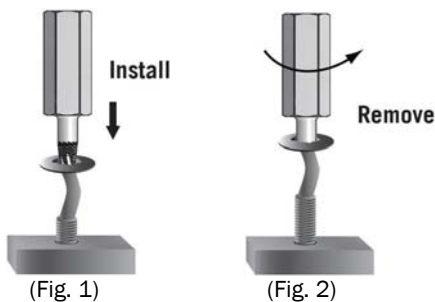
Specification:

- Material: S2
- Hardness: 58-60 degree



Instructions:

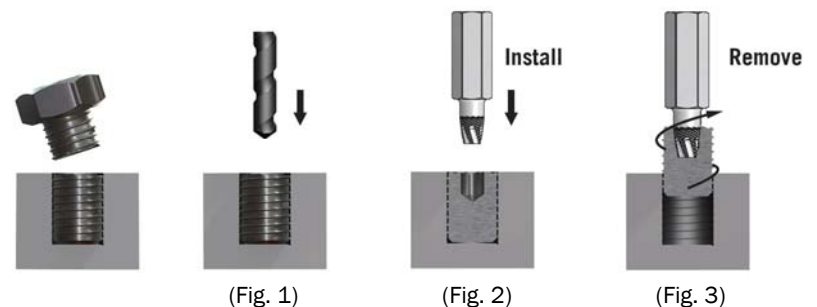
- Step 1: Choose a suitable size of extractor. (Fig. 1)
- Step 2: Install the extractor on object. (Fig. 1)
- Step 3: Remove the object. (Fig. 2)



Damage / Stripped object

When the object is cut:

- S step 1: Drill a hole on stripped object. (Fig. 1)
- Step 2: Choose a suitable size of extractor. (Fig. 2)
- Step 3: Install the extractor on object. (Fig. 2)
- Step 4: Remove the object. (Fig. 3)



Patented: EU, Japan

Patent Pending: Taiwan, Germany, USA, UK, China



KA-6987A 9pcs Torx Plus Extractor Set

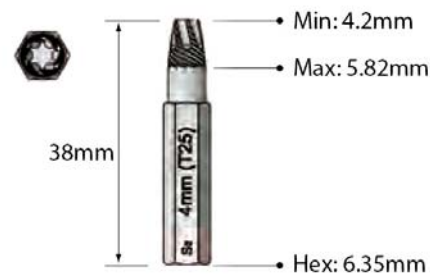
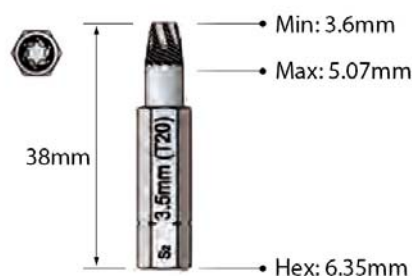
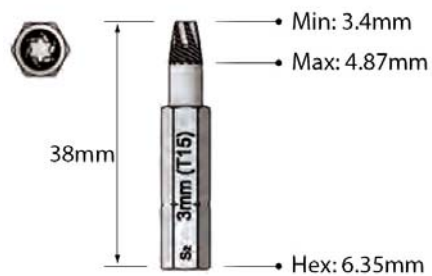
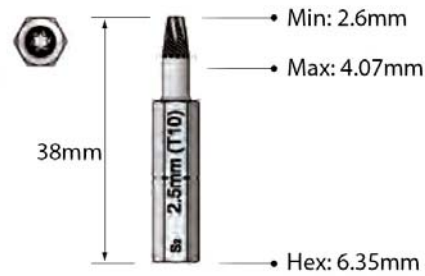
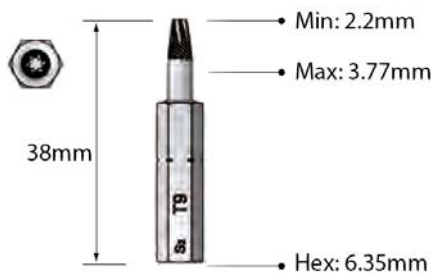
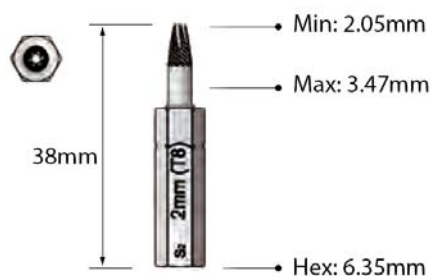
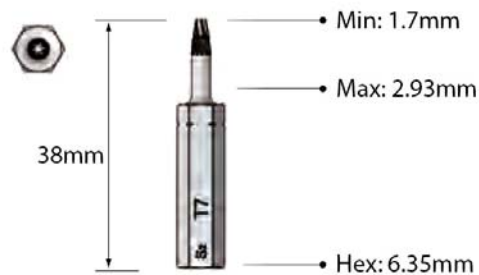
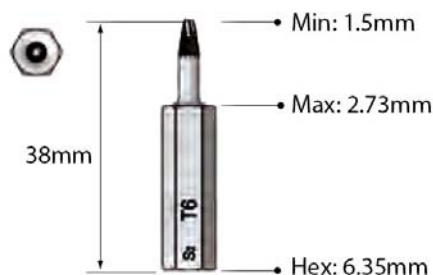
- Special design of torx plus head, twist body with teeth and tap shape.
- High efficiency to remove damage objects as below
 - Hex inside (not stripped)
 - Stripped hex inside
 - Round inside
 - Stripped round inside
 - Torx / torx plus / torx security inside
 - Stripped torx / torx plus / torx security inside
- Wide application

Specification:

- Material: S2
- Hardness: 53-55 degree



Bit socket with butterfly handle



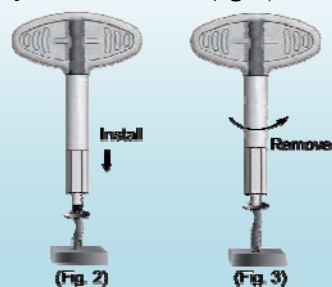
Instructions:

Step 1: Choose a suitable sized extractor and connect to the hex on the bit socket (fig. 1)



Step 2: Install the extractor on the object to be removed (fig. 2)

Step 3: Turn the bit socket for removing the object (fig. 3)



Object is damaged / stripped

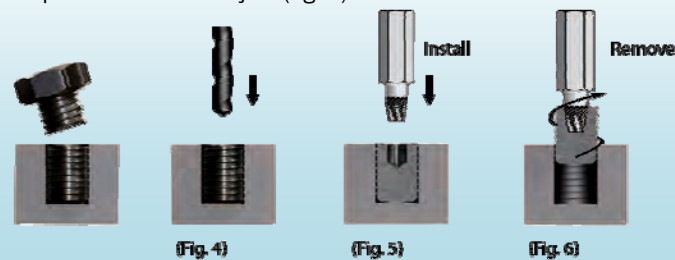
Object is broken or cutted

Step 1: drill a hole on the broken or cutted object (fig. 4)

Step 2: Choose a suitable sized extractor and connector to bit socket.

Step 3: Install the extractor on the object (fig. 5)

Step 4: Remove the object (fig. 6)





KA-3739-4



KA-3739-11



KA-3739-12

Screw Extractor Set

- Remove rusty or stripped screw quickly and easily without drilling pilot hole as required with standard screw extractors.
- Suitable for power and pneumatic drills.
- Chrome molybdenum steel with titanium coating for durability.
- Patent screw extractor design.
- Chuck has standard 1/4" hex shank to fit any drill, impact driver or air tools.
- Works with most types of screw heads.

Contents:

	KA-3739-4	KA-3739-11	KA-3739-12
1- Rotary impact chuck	•	•	•
1- Heavy-Duty impact screw extractor handle 195mm	--	--	•
3-Wonder screw extraction: W1, W2, W3	•	•	•
7-Triangle screw extractor: Tr3-3.5-4-4.5-5-5.5-6mm	--	•	•



KA-3641B Wishbone Lever Tool (Sliding Type)

To push down the wishbone and other suspension parts, e.g. during the disassembly of the drive shaft, during replacing the gaiter or exchange of the wheel bearing. After loosening the ball joint the wishbone must in most cases be pushed down against the bush or stabilizer tension, in order to pull the joint from the support.

Pretty often here problems arise:

- the joint wedges again in the cone, after it was pressed down only briefly with a tire lever
- the ball joint or gaiter get damaged
- the mechanic injures himself or damages suspension parts when the tire lever slips away.

With this lever tool the work can comfortably and surely be accomplished by one person.



- "One piece" design for superior strength-no screws or welds are used even at corner.
- 10 positions adjustable.

KA-3641C Wishbone Lever Tool

To push down the wishbone and other suspension parts, e.g. during the disassembly of the drive shaft, during replacing the gaiter or exchange of the wheel bearing.

After loosening the ball joint the wishbone must in most cases be pushed down against the bush or stabilizer tension, in order to pull the joint from the support. With this lever tool the work can comfortably and surely be accomplished by one person.



Pretty often here problems arise:

- The joint wedges again in the cone, after it was pressed down only briefly with a tire lever.
- The ball joint or gaiter gets damaged.
- The mechanic injures himself or damages suspension parts when the tire lever slips away.



KA-3766 Hydraulic Press Tool Set for Mercedes

- The press tool set with hydraulic cylinder can remove and install suspension ball joints easily and quickly.
- Do not need to dismount the wishbone.
- Time-saving and labor-saving.
- For Mercedes W201, W124 (E-class), W211 (E-class), W219 (CLS), W220 (S-class), W230 (SL) and W163 (ML-class).



KA-3760 6pcs Extra Long Air Hammer Drift Set

- Extra Long, Drift Punch Set
- Includes the six most commonly used sizes.
- Size: 5.2, 6.5, 6.9, 7.7, 9.3, 12.7mm



KA-5325 Air Exhaust Fume Extractor

- This modern, portable, compact exhaust gas extractor is designed to operate in any size workshop and is an ideal alternative to fixed, space consuming, expensive systems.
- Suitable for use on cars, vans, motorcycles, light commercial, it allows the garage mechanic to work on the vehicle with the engine running, without causing pollution of the air or contravening the current workshop regulations.
- Exhaust handling machine.
- The height and elevation is adjustable.
- Designed as a go anywhere extractor, it is mounted on a robust metal stand with simple and easy to adjust height and suction setting.
- The unit is powered by air.
- Working pressure of 5-8 bar.
- Patents Granted:
Taiwan(153477), Japan(3064234),
USA(5.918.647), Germany(299197476)

- Dimension: 250 x 280 x 1230mm
- Weight: 9.14kgs



Flexible Hose



KA-5346 Small Fastener Remover

A 3/4" open end wrench can be used to turn the socket while impacting the fastener. A locking pin in the driver keeps the bit holder in place on the square drive for safe operation. The bit holder can be removed from the driver by depressing the pin. Works faster than hand impact tools. Especially useful removing brake rotor screws. The works with 5/16" hex impact bits. Kit includes Phillips #1, #2, #3, #4 and a straight slot bit.

Contents:

- A. PH1 Driver Bit x 1pc
- B. PH2 Driver Bit x 1pc
- C. PH3 Driver Bit x 1pc
- D. PH4 Driver Bit x 1pc
- E. Slotted Driver Bit x 1pc
- F. Impact Screw Driver x 1pc





KA-5329A Assembly Tool For PDC Holder W/Drill

Introduction:

With the assembly tool, it is possible to install new or replace defective PDC holders on bumpers.

The repair process is described in the workshop manual.

Contains:

- 1 x screw hole punch \varnothing 18.2mm
- 1 x screw hole punch \varnothing 26mm
- 1 x panel drill bit, cylindrical shaft
- 2 x centering pins
- 4 x attachment aids



KA-5329B Assembly Tool For PDC Holder

For replacing defective PDC holders on bumpers.

For retroactive punching of PDC sensor holes.

Contains:

- 1 x screw hole punch \varnothing 18.2mm
- 1 x screw hole punch \varnothing 18.4mm
- 1 x screw hole punch \varnothing 26mm
- 2 x centering pins
- 1 x panel drill bit, cylindrical shaft
- 4 x attachment aids, grey
- 4 x attachment aids, blue
- 4 x attachment aids, green



KA-5344A



KA-5344B

Hole Cutting Tool For PDC Sensor (Park Distance Control)

- This tool is essential to cut out the holes in the bumper for aftermarket installation of parking sensors.
- It is designed to make a hole that fits the sensor perfectly, without any unwanted damage.

KA-5344A

- 17mm
- For Cobra – Aftermarket type

KA-5344B

- 18.2mm
- For VW, Audi, Skoda, Seat, BMW
- OEM Ref. BEA000001



KA-5279 Universal Strut Nut Tool Kit

- Use of this kit guarantees a clean assembly of screw rings when renewing shock absorbers.
- For shock absorber insert nuts for nearly all vehicles including Japanese (Gas Shocks excepted).



KA-3628



KA-3628A

Track-Rod Adjusting Tool

- For loosening and adjusting stubborn Track-Rods.
- Application: Track Rods \varnothing 9~23mm

KA-3628

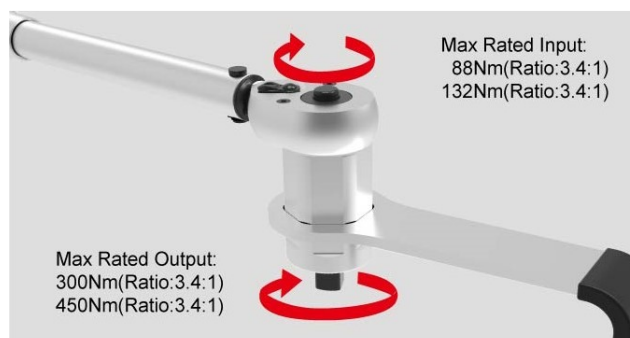
Length: 38.5cm

KA-3628A

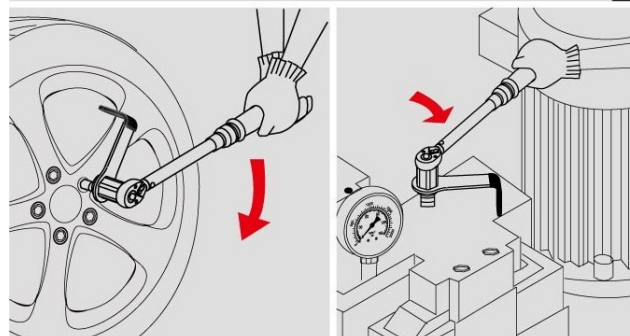
Length: 51.5cm (with extension handle 130mm)

Mini Torque Multiplier

- Patented product.
- Energy-saving tool designed for tire change.
- Small-size, light weight, easy to carry & storage.
- 3.4:1 torque multiplication.
- Accuracy tolerance +/-5%.
- The tool is adapted for tire change of car and van in automotive repair industry.
- Supplied with the rubber-cover reaction bar for tire rim protection purpose.



Item No. (Blister Pack)	Item No. (Blow Case)	Range		Ratio	Input square	Output Square	Weight
		Nm	Ft-lb				
KA-5373-02	KA-5373-02A	300	221	3.4:1	3/8"	3/8"	710
KA-5374-01	KA-5374-01A	450	332	3.4:1	3/8"	1/2"	710
KA-5375-01	KA-5375-01A	600	443	3.4:1	1/2"	1/2"	1100
KA-5375-02	KA-5375-02A	800	590	3.4:1	1/2"	3/4"	1100
KA-5375-03	KA-5375-03A	1200	885	3.4:1	1/2"	3/4"	1130



KA-5433

Camber Adjusting Tool For VAG

- Special 18mm offset wrench for adjustment of rear axle camber.
- OEM Ref. T10179

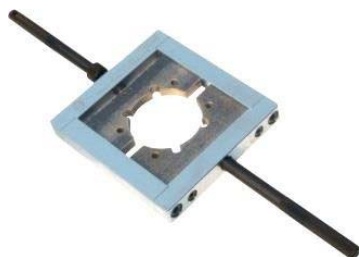


VW	Caddy 2004; Eos 2006; Golf 2004; Golf 2009; Golf Plus 2005; Jetta 2006; Passat 2006; Passat CC 2009; Polo 2002; Polo 2010; Scirocco 2009; Sharan 1996; Tiguan 2008; Touran 2004
Audi	A3 2004; Audi A4 2001; Audi A6 2005; Audi A8 2003; Audi TT 2007
Skoda	Octavia II 2004 >; Octavia III 2013 >; Superb II 2008 >; Yeti 2009 >; Citigo 2011 >
Seat	Alhambra 2011 - >; Alhambra ; Altea 2005; Toledo 2005; Ibiza02/Cordoba03 ; Leon 2006; AlteaXL 2007; AlteaFreerack 2007; Ibiza 2008 - >; Altea 2009; Leon 2009; AlteaXL 2009 ; Altea Freerack 2009; Toledo 2013 ; Leon 2013; Ateca



KA-5404 Truck Thread Corrector

- Truck thread corrector
- Application range: CALLIPER, FUWA, KNORR-BREMSE, PITMAN, ROP, YORK, BENZ, BMW, BPW, DAF, IVECO, MAN ,SCANIA, VOLVO, DAEWOO, FUSO, HINO, ISUZU, MITSUBISHI, NISSAN, TOYOTA.



KA-5415 Universal Axle And Groove Nut Wrench Heavy Duty Design

- For the removal and mounting of axle nuts or grease caps, e.g. on truck or trailer wheel hubs.
- Suitable for octagon or hex nuts, groove nuts, face nuts, round nuts with drilled holes, capstan nuts, etc.
- With 3/4" square drive.
- Clamping range hex: 70-150mm.
- Clamping range groove nut: 80-160mm
- Scope of delivery: 2X adapters round, 6mm 2X adapters round, 8mm 2X adapters round, 8mm 2X adapters square, 10mm



KA-5448 EGR Valve Disassembly Tool For Hyundai / Kia

- Used to disassemble the exhaust gas recirculation (EGR) valve without damaging the parts.
- Suitable for Hyundai / Kia 2.0L or 2.2L diesel R-engine.



- Over time, carbon builds-up occur and interfere with the operation of the EGR valve flap.
- The EGR valve system faults can cause various problems, such as: Loss of power / Excessive smoke / Fluttering on acceleration miss-fire / EGR flap position sensor faults / Poor fuel consumption.

Hyundai	
Tucson / ix35	2009~
Santa Fe / Maxcruz	2009~
Kia	
Sportage (R)	2010~
Sorento (R)	2009~
Carnival	2010~



KA-5449 Rear Axle Beam Bush Tool Set For Opel / Vauxhall

- For dismounting and mounting of the rear axle beam bush.
- Hex.: 17mm
- On car solution - no need to remove the suspension arm.
- Suitable for Opel / Vauxhall Astra H (2004~2014), Meriva B (2010~), Zafira B (2005~2014).



KA-5450 Rear Axle Beam Bush Tool Set For Ford / Mazda

- For dismounting and mounting of the rear axle beam bush.
- On car solution - no need to remove the suspension arm.
- Suitable for Ford Fiesta MK6 (2008~), Mazda 2 MK3 (2007~).



KA-5451 Universal Extender Adapter

The universal extender adapter can loosen tight connection of hex, TX and XNZ. Can use socket or 1/2" ratchet be a handle!!





KA-5452 Universal Support Hook

The universal support hook can be your third hand to hold the steering knuckle or brake caliper, prevent the damage on the oil /brake pipe or wire.

- Adjustable with thumb screw knot.
- Working Range: 200 ~ 520mm



KA-5454

Parking Sensor & Reversing Record Lens Hole Cutter Set

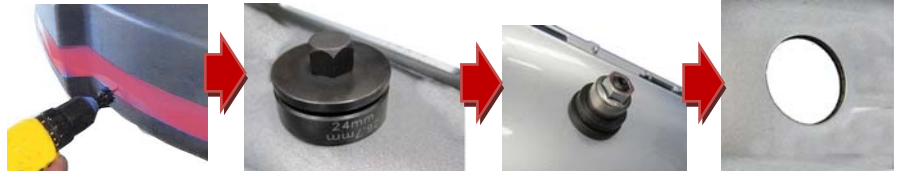
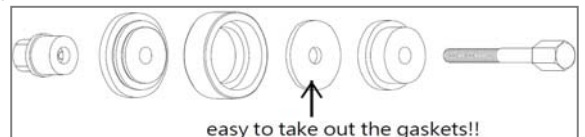
KA-5454 is a designed to let you re-fit the parking sensor & reversing record lens hole after accident damage.

KA-5454 is a outstanding tool set that enable you to cut the hole fast and cleanly.

- Contents:
 - Hole size: 17mm, 18mm, 18.2mm, 19mm, 20mm, 22.5mm, 24mm, 26mm, 26.7mm, 32mm
 - Including 5/16" HSS Drill Bit.
- Cut hole thickness up to 5mm plastics.

Procedure:

1. Drill the plot hole in the new panel.
2. Select the correct die and cutter punch from KA-5454.
3. Put the die behind the panel whilst put the cutter punch on the outer face of panel.
4. Tighten the nut of the screw with socket (12mm)



KA-6991

Shake-N-Brake Air Impact Screw Remover

The air impact screw remover helps in loosening corroded, rusted, dirty, painted, undercoated and overly tightened screws quickly. You can easily turn the screw with the help of the attached handle. The air impact screw remover works well on cars, trucks boats, motorcycles, and farm equipment. The tool works with 5/16" hex impact bits.



KA-2225 Exhaust Doughnut Tools

- Ideal Tools for Removing or Installing exhaust doughnuts on automotive exhaust systems.
- Size: L: 234mm±1mm / Hook:27mm±1mm
L: 200mm±1mm / Hook:44mm±1mm





KA-8406 Rear Toe Adjustment Tool for MINI

- On 1st generation MINI Coopers (2002~2006), the rear toe angle is adjusted by moving the forward central arm bushing mount with the special tool 32 4 200.
- On 2002~2005 modles rear toe is adjusted by an eccentric bolt and plate that secures the lower transverse link to the trailing arm. Once the three mounting bolts are loosened, the central arm has slotted holes which allow for movement.
- 1/2" drive.



KA-8407 Steering Rack Socket for Lexus, Toyota

- Assists in the removal and installation of the steering rack O-Ring.
- Allows steering rack to remain in vehicle for steering rack O-ring repairs without damage.
- Use with 3/8" square drive tools.
- Suitable for: Lexus RX330 / RX350 (2004~2009)
Toyota Highlander (2004~2007)



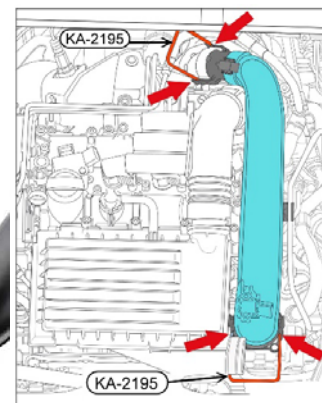
KA-5430C 21mm Double Offset Caster Wrench

- The 14-1/2" 21mm wrench can be used from the bottom side of the vehicle, instead of working through the wheel. Convenient and big saving on the working time!
- Surrounds the entire perimeter of each cam and gives a non-slip work area while moving the hard-to-reach and rusty cams.
- For 1999 and newer GM pickups and vehicles with coil spring front suspensions.
- Adjusts the upper control arm cams on Chevy & GMC vehicles.



KA-2195 Intake Manifold Release Tool (VAG)

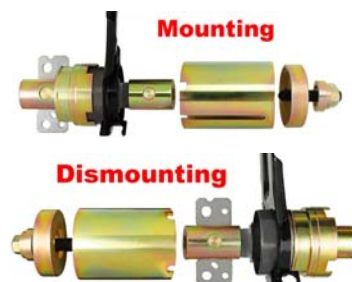
- Used for releasing intake manifold pipes.
- Suitable for 1.0 / 1.2 / 1.4 direct injection engine, turbocharger, petrol
VW Golf 2013~, Jetta 2014~2017
AUDI A3 2013~, Q3
SEAT Leon 2013~, Ibiza 2008~, Ateca
SKODA Octavia 2013~
■ OEM Ref. T10527

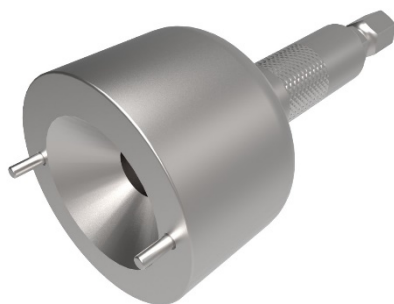


KA-8412 Rear Trailing Arm Bush Tool Set For Ford, Volvo

- For dismounting and mounting of the rear trailing arm bush.
- On car solution - no changing of the entire trailing arm necessary.

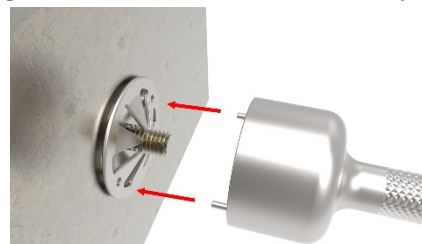
Ford	Volvo
Mondeo 2007-	V60 2010~
Mondeo Turnier 2000~2007	XC60 2010~
S-Max 2006~	V70 2007~
	XC70 2007~
Galaxy 2006~	S60 2010~





KA-4106 Clamping Washer Tool for VAG / Ford

- For quick and safe removal / fitting of clamping washers which are used on underbody heat shields ...etc.
- Applications for: Audi, Seat, Ford, Volkswagen, Skoda.
- The clamping washers are also found on many other vehicle marques.
- 1/4" dr. with quick chuck end for use with 1/4" dr. wrenches, drivers or cordless drills.
- Can compatible with connect clamping discs for VAG.



KA-4112 Steering Wheel Spacer Sleeve Puller Kit (Puller and Drive-In Mandrel)



- Clamping range: 27 - 30 mm
- Drive-in Mandrel for Spacer Sleeves:
- The drive-in mandrel made of brass allows the spacer sleeve to be pushed into the steering column without risk of damage.
- Suitable for vehicle models as from 1988 onwards such as VW Golf (II and III), Jetta, Vento, Polo, Passat, etc.

When replacing steering column switches, it is necessary to firstly remove the steering wheel and then to extract the spacer sleeve from the cone.

The special design of the puller ensures that its collet chuck precisely encompasses the spacer sleeve which enables quick and smooth extraction of the spacer sleeve.



KA-4113 VAG Special Tool Pipe Wrench For Damper Cartridge

- Mounting the damper cartridge Front for Audi 100, Audi 200 and A6 C4 models.
- For opening and closing the cap nut on the strut.
- Drive 1/2 "square drive.



KA-4123 Camber adjustment tool for BMW rear axles

- Ideally suited for adjusting the camber on the rear axle
- The rear wishbones can be moved with this therefore setting the camber
- Application range: BMW 3 series, (E36, E46)

KA-2199 Universal Thread Restoring File

- The universal thread restoring file is designed to renew all 60° machine screw.
- Fractional, metric, NPT and NPS pipe thread sizes of any diameter.
- It will restore right or left hand threads.
- Thread angle: 60°
- Length X size: 9" x 7/8" x 1/8"





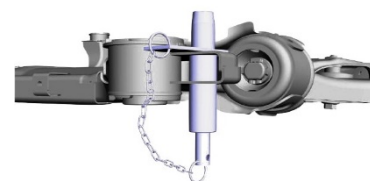
KA-5483 Slide Hammer With Claw Hook

- For use with 3/8" chain.
- 5 Kg slide hammer.



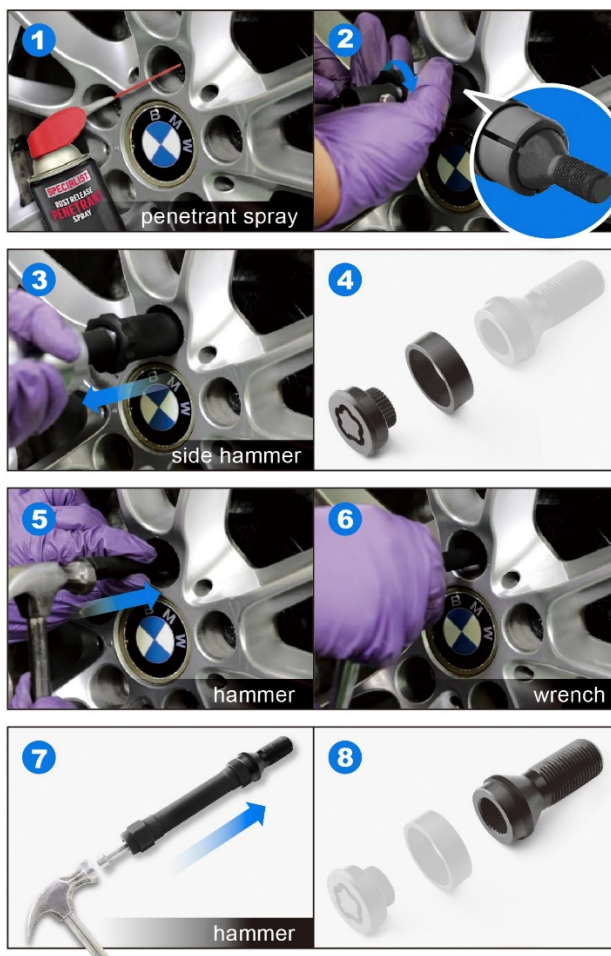
KA-5466 Subframe Alignment Pins

- Ensure correct alignment of subframe, suspension and steering components.
- Application: for a wide range of Ford.
Vehicles-including: C-MAX, COUGAR, ESCORT, FIESTA, FOCUS, FUSION, GALAXY, KUGA, MONDEO, ORION, PUMA, S-MAX, TOURNEO CONNECT, TRANSIT, TRANSIT CONNECT, TRANSIT CUSTOM.
- Equivalent to OEM 205-316A.



KA-5469 Locking Wheel Bolt Removal Tool Kit (Spinning Collar)

- Fits BMW / MINI vehicles equipped with the spinning collar locking wheel bolt.
- To remove the ultra high security locking wheel bolt with spinning collar which is stuck from being overtightened, rounded, stripped or the key is broken / missing.
- M16 x 1.5 (with slide hammer).



McGard 27179SL (M12x1.5)

BMW	Serie 1 (~2011)
	Serie 3 (~2011)
	Serie 5
	Serie 6 (~2010)
	Serie 7 (~2011)
	Serie 8
	X1
	Z1
BMW	Z3
	Z4
	Z8

McGard 27226SL (M14 x 1.25)

BMW	Serie (2011~)
	Serie 2
	Serie 3 (2012~)
	Serie 3-GT
	Serie 4
	Serie 5-GT
	Serie 6 (2011~)
	Serie 7 (2008~)
	X3 (2010~)
	X4
	X5 (2007~)
	X6
MINI	i3
	i8
	Cabrio (R50 2006~)
	Clubman
	Cooper (R56 2006~)
	Cooper S (R56 2006~)
	One (R56 2006~)
	Paceman
	Roadster



KA-6348L Quick-Adjustable Thread Restorer

- Capacity: 5/32" to 1-3/4" (4-45mm) for any pitch.
- Zinc Body, CR-Plated, HSS Blade, HRC 62(±2).



KA-6348S



KA-6348M

Universal Thread Repair Tool

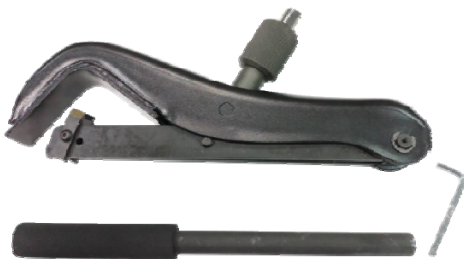
- One tool restores inch or metric RH or LH threads.
- No calibration required.
- Self adjusting to any pitch & size within range.
- Automatically chases good threads to repair the damage.
- 60°, ISO, UNC, UNF, NPT
- 55°, BSW, BSF, BSP

KA-6348S

- 5/32"~3/4" (4~19mm)
- Pipe threads up to 7/16"

KA-6348M

- 11/16"~1-1/2" (17~38mm)
- Pipe threads 3/8"~1-1/8"



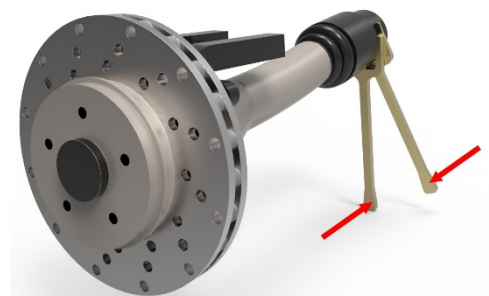
KA-6348J Universal Adjustable Thread Repair Tool

- Quickly adjustable to any thread diameter & pitch within the size range indicated.
- Applicable to most thread standards – ISO, UNF, UNC, NPT, BSW, BSP & more 2 cutting blades (58RC) guided by the existing thread, re-groove the damaged part.
- No prior thread measuring is needed.
- Range: 35~152mm (1-3/8"~6")
- Pipe: 1"~5-1/2"



KA-2210AB Axle Popper Kit

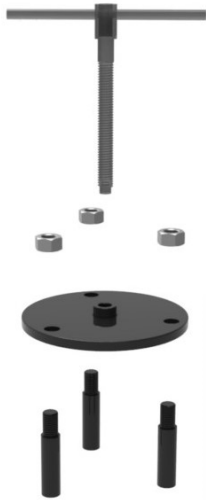
- Fork Design Applying Even Pressure to Both Sides of the Shaft and Allow Removing the Shaft Easier and Safer.
- To release the half shaft:
- Strike the Axle Popper Wedge or use Axle Popper Wedge as a Pry Bar to Release the Half Shaft
- Shim included for use on filling the gap between the half shaft and trans-axle
- Safer than Using Pry Bar
- CONTENT: Fork Shaped Axle Popper, Axle Popper Wedge



KA-2210K Axle Popper Kit

- CONTENT: Fork Shape Pry Tool, Wedge Tool, Shaft (for Air Hammer)
- Fork Design Applying Even Pressure to Both Sides of the Shaft and Allow Removing the Shaft Easier and Safer.
- Tapered on Both Wedge Ends.
- Attach the shaft to Wedge to use with Air Hammer.
- Can be used with KA-2210AB.





KA-3663Q 6 Holes Hub Separator

- Removing the 6 holes HUB rear axle.
- Save Labor and Working time. .
- Application :TOYOTA HIACE 100 series, 200 series, NISSAN CARAVAN E25,series,E26 series.
- P.C.D:139.7mm
- Thread specification:M12X1.5



KA-3663Q2 6 Holes Hub Separator

- Removing the 6 holes HUB rear axle.
- Provides the mechanical advantage.
- For Disc brakes
- P.C.D:139.7mm
- Application: TOYOTA HIACE 100 series,200 series NISSAN CARAVAN E25 series,E26 series



KA-5032B Exhaust Removal Pliers for Removing Rubber Support

- Design to separate the rubber supports from exhaust hanger brackets.
- Squeezes the pliers handles to enforce the rubber support separated from the exhaust hanger easily and labor-saving.
- The tool can be used on all import and domestic car and truck exhaust systems that use the rubber hanger supports.



KA-3827 Strut Support Tool – for McPherson

- Design to support and hold the strut when working on suspension units
- Prevent the strut from moving downwards when dismantling from the suspension arm

Use with Transmission Jack fitted with 30mm Top Shaft.





KA-9073A Smoke Leak Detector Set

A Great Tool to trace any leaks in automotive pipe systems such as air intake, fuel system, exhaust system, vacuum system.

Accessories:

Rubber Pipe Plug



Inflate Ball Stopper



Power Cord



Smoke Tube



Baby Oil (200ml)



Storage Case included

Operation:

Step 1: Connect the 12V Car Battery:

- Clip the **RED** battery to the positive pole (+).
- Clip the **BLACK** battery to the negative (-).

Step 2: Switch ① the power (ON):

The ②Power Indicator turn **GREEN**.

(If you connect the pole wrongly, the **YELLOW** light would on)

- The machine is equipped with protection device , so it will not be damaged if connect pole incorrectly.
- If you are using this machine for the FIRST time, please inject 1-2ml baby oil in ⑤Baby Oil Inlet. Then fill 0.5-1ml for each time.
- Please use Baby Oil ONLY!!

Step 3: Start Heating to Produce Smoke:

Press the ③Start Heating Button, ④Heating Indicator light turns **YELLOW**.

It would reach workable smoke volume after **90** seconds, then press the ③Heating Button again to stop heating.

- The machine would stop automatically after 5 minutes . Repeat Step 4 as needed, and fill baby oil according the smoke.
- Clean the Smoke Tube with dust gun after each use. The residue hardening baby oil cause clogs in tube.





KA-2169 King Pin and Anchor Pin Press Set

- The tool delivers 20 tons of hydraulic force to push out stubborn king pins on large trucks with king pin diameters up to 1-1/4".
- Also able to remove the brake shoe anchor pins on trucks.
- Has wide side arm construction and three pilots {Ø7/8" (22mm) x 4", 6", 8"} and two guide bushing {1-3/8" x 7/8", 1-3/8" x 3-1/4"} allow this unit to work on both straight and tapered kingpins.
- The removal of King Pins can now be done in minutes with relative ease and efficiency.
- Applicable in assembled truck front axle.

Specifications:

20-Ton Hydraulic Cylinder threaded hole size: 3/8" NPT-18N Stroke: 2"	Coupler 3/8" NPT-18N	2pcs Yoke Adaptor 4"-12N & 3/4"-16N	Work Head
Pilot Guide	2pcs Yoke Post 3/4"-16N	2pcs Post Nut, 3/4"-16N 2pcs Clamp Screw, 1/4"-20N	1-1/2" Hex Pressure Screw 1-1/8"-8N
1-3/8" x 3-1/4" Bushing	1-3/8" x 7/8" Bushing	Ø7/8"(22mm) Diameter Pilots Length: 8"	Ø7/8"(22mm) Diameter Pilots Length: 6"
Ø7/8"(22mm) Diameter Pilots Length: 4"	Pressure Screw 1-1/8"-8N	Included Centering Adaptor	Expansion Plug

KA-5454L Dimple Die Set – 9 Sizes/set

- Make a dimple effect on sheet metal to make the panel stronger.
- Enhance the strength of sheet metal & reduce weight.
- Design to dimple the 4.8mm steel.
- Dimple the steel with hydraulic press with press nut.
- Dimple the 3mm steel with bolt only (included)
- KA-5454L includes 9 popular sizes dies.



	Dimple Die Ø12.7mm (1/2") Ø19.1mm (3/4") Ø25.4mm (1") Ø31.8mm (1-1/4")	Dimple Die Ø38.1mm (1-1/2") Ø44.5mm (1-3/4") Ø50.8mm (2") Ø57.2mm (2-1/2") Ø76.2mm (3")
	Dimple Bolt	

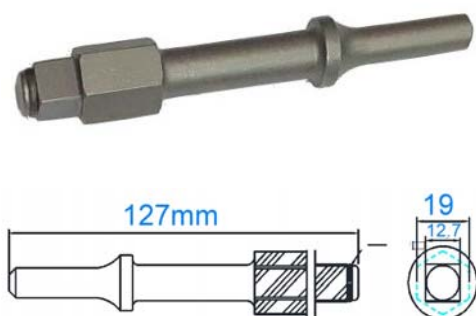
KA-3760SPL Pneumatic Bolt Breaker – Attachment to Air Hammer

Feature:

- Attach shank of this tool to a hammer. Attach the socket at the square drive end.
- The air hammer vibration force removes the stubborn stuck fasteners, Torx bolt and nuts easily.
- Shank: 0.401"(10.18mm-0.15mm).
- Length: 127mm (5")
- 1/2" SQ Dr. to use with Impact Sockets.

How to use?

Attach impact socket and air hammer





KA-5470



KA-5470B



KA-5470C





Universal Locking Wheel Nut Removal Kit

- Very effective and a must have workshop tool.
- Kit includes shroud which protects the wheel against any damage.
- Simple to use master kit has the capability of removing practically any locking wheel nuts.

KA-5470 → Silver finishing of impact driver

KA-5470B → Black finishing of impact driver

KA-5470C → Black finishing of impact driver, including new model of locking wheel nut remover for Ford, Jaguar & Range Rover.

	Blade A	Blade B	Blade C (* Disposable)	Locking Wheel Nut Remover		
						
	<ul style="list-style-type: none"> ■ Fit Most Common Locking Wheel Nuts. ■ Can not use on hardened nuts or studs. 		<ul style="list-style-type: none"> ■ Designed to remove hardened nuts or two size of lock nuts. 	Special for Ford	Special for Jaguar	Special for Range Rover
KA-5470	Included		Included	x	x	x
KA-5470B	Included		Included	x	x	x
KA-5470C	Included		Included	Included	Included	Included

KA-3837 Universal Strut Clamp Spreader

- Unique stepped V-Design distributes the spreading force across the inner face of the clamp.
- Allows the loosened bolts to remain in place.
- The makes for a smooth and controlled expansion of the clamp.
- Exceptionally reduce the chance of breaking the clamp and deliver fast replacement of the new strut legs.



Special V-Shape Design
Operating Range: 4.4~10mm





KA-7176 Ball Joint Remover

- Opening: 19mm, Screw travel: 42mm
- (DROP FORGED) CR-MO



KA-7176A Ball Joint Remover

- Fork: 18mm
- Redesigned to use on imports and any front wheel drive vehicles, including SUV with rack and pinion steering.
- Live center tip on forcing screw swivels to align tool to tie rod stud to ease in removal and prevent damage to stud.



KA-3066 Ball Joint Remover

- Opening: 19mm
- Screw travel: 40mm
- (DUCTILE)



Ball Joint Extractor (Universal)

- For splitting track-rods, anti-roll bar mountings, ball joints, etc.
- Advantage: dimension is infinitely
- Adjustable so providing a wider

Item	A= Jaw Open	B = Max. Opening
KA-6503	22mm	62mm
KA-6503A	17mm	58mm
KA-6503B	32mm	80mm
KA-6503C	45mm	90mm



KA-3065 Ball Joint Remover

- Jaw opening: 19mm (3/4")
- Max. opening: 38mm



KA-6867 Universal Ball Joint Extractor

- For splitting track-rod ends, anti-roll bar mountings, wheel-hub ball joints, etc.
- For VW-Audi, BMW, Fiat, Ford, Mercedes, Nissan, Saab, Opel/Vauxhall, Peugeot, Renault, Rover, Toyota, Volvo
- Jaw open: 22 mm
- 2-Stage up to 50mm



KA-6867A
different bolt type



KA-6658A Universal Ball Joint Separator — JAPAN TYPE

- Heat treated drop forged steel body & bolt for long rough usage
- Spread ball joints easily where space prevents use of direct action method
- Offset lever permits maximum jaw opening in 30mm (1-3/6") & 56mm (2-3/16")
- Jaw open 19mm



KA-5534 Ball Joint Extractor

For splitting track-rod ends, anti-roll bar mountings, wheel-hub ball joints etc...

- Jaw Opening: 20mm
- Opening: 2-stage(50-80mm)
- For OPEL/REKORD, SENATOR, MONZA, VWTRANSPORTER



KA-2930 Ball Joint Remover (Impact Type)

- Used with Impact of Hammer
- **PATENTED**



KA-6554 Universal Ball Joint Puller

- For "CARS"
- Opening: 19mm



KA-6555 Universal Ball Joint Puller

- For "TRUCKS"
- Opening: 19mm



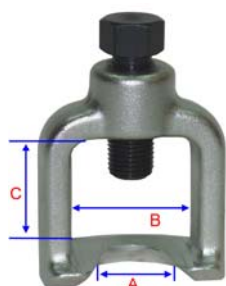
KA-2413 H/D Universal Ball Joint Separator

- Jaw open: 30mm (1-3/16")
- Opening: 20mm ~ 75mm



KA-2183 Hydraulic HGV Ball Joint Separator

- Adjustable size for your convenient to fit different vehicle.
- Jaw opening: 20mm
- Applicable height: 27~55mm



Universal Ball Joint Extractors

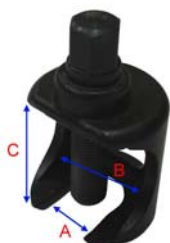
For splitting track-rod ends, anti-roll bar mountings, ball joints etc...

Item No.	a	b	c
KA-5535	18mm	40mm	35mm
KA-5536	23mm	50mm	45mm
KA-5537	29mm	60mm	55mm
KA-5538	40mm	80mm	80mm
KA-5539	46mm	90mm	100mm



KA-2851 Universal Ball Joint Separator

For splitting track-rod ends, anti-roll bar mountings, ball joints etc... Especially in small space conditions like on AUDI, VW, BMW, FORD, MERCEDES (W170, W202, W220 etc), OPEL / VAUXHALL, MITSUBISHI etc...



KA-3580 Ball Joint Extractor

For splitting track-rod ends, anti-rod bar mountings, ball joints etc., especially in narrow space conditions like on BMW E46 or other vehicles.

A Opening	B	C	Max torque	Max capacity		Spindles mm	s w
mm	mm	mm	Nm	t	KN	Thread x length	
24	45	43	80	4	40	M14 x 1.5 x 60	1 7



KA-3290K 5pcs Front End Service Set

Content:

- KA-7180
- KA-1405
- KA-3092 (L)
- KA-6867
- KA-7176 (DROP FORGED)



KA-4016 Ball Joint Service Tools

This press removes/replaces universal joints.

No.A-C frame press for univ. joint removal: removal/replacement of anchor pins. Wt. 9 lbs.

No.4016 – Ball joint removing/installing set for most pressfit ball joints. Wt. 13 lbs., 12 oz.

Conts of Kit 4016



KA-4016A Ball Joint Service Tool

For pressed in lower ball joints on 1971 to current GM cars and some trucks. Includes items listed below:

Pressure screw. 3/4" – 16 thread, 7/8" hex, 8-3/4" long.

Pressure frame. 9-15/16" long with a 6-1/4" throat opening.



KA-4016B

Ball-Joint Installer/Remover Tool for Benz (W220/W211/W230)

- On car maintenance.
- Special design to remove & install the ball joint without removing any parts.
- Applicable: Benz W220/W211/W230



KA-3609 Mercedes Benz Ball Joint Remover / Installer

- For removing and installing the ball joint into the steering knuckle.
- Applicable: W220



KA-4017 Upper Control Arm Bushing Service Set

Now you can easily replace press-in type upper control arm bushings on most rear wheel drive Chrysler, Ford, and GM vehicles. Mechanical screw power does the work. Set includes C-frame, screw assembly, and all adapters needed for quick removal or installation of bushings without removing or damaging the control arm.



KA-4016K 21pcs Ball Joint Service Tool & Master Adapter Set

This set was created specifically to expand the capability of your No.#2030 ball joint service set. It includes all the receiver tubes and removing/installing adapters needed to work on press-fit upper and lower ball joints on most GM, Ford, and Dodge 2- and- 4 -wheel-drive pickups, vans, and sport utility vehicles, through 1997. Also includes the KA-6450 live center forcing screw plug.



KA-3085K Master Ball Joint Adapter Set

Expand the service capability of your KA-4016 ball joint service tool set. Included all the receive tubes and removing/ installing adapters needed to work on most Gm, Ford and Dodge two and for wheel drive pickup vans and sport utility vehicles. Application chant is included.

Works on press-fit upper and lower ball joints. Set also included the KA-4016 1 live center forcing screw plug, and a plastic storage /carrying case.



KA-3122 BMW (E30, E36) Ball Joint Remover / Installer

- For removal and installing the ball joint using a hydraulic press.
- Application: BMW E30, E36



KA-3610 Benz Ball Joint Remover / Installer



KA-7166A Ball Joint Installer & Remover – BMW 3 Series

- A professional quality tool designed for using in situ to enable the easy removal and insertion of press fit control arm ball joints.
- Suitable for using on BMW 3 series(E36) models.
- Fine pitch thread drive screw with thrust bearing.

Ball Joint-Puller Bell VIBRO-IMPACT



KA-3111 25mm



KA-3111A 30mm



KA-3111B 32mm



KA-3111C 39mm



KA-6938 Ball Joint Installer (W123, 126, 220)

For presson ball joint into steering knuckle.



KA-6450 Live Center Forcing Screw Plug

For servicing heavy-duty ball joints, this plug replaces the existing center forcing screw on the KA-4016 C-frame. The KA-6450 is 5/8" shorter overall, giving the C-frame a wider opening to accommodate the larger ball joints found on heavy-duty 3/4 and 1 ton trucks.



KA-3949 3/4"Dr. Ball Joint Socket

Socket and installing ring for replacing the suspension joint on Mercedes M Class front and rear suspension.

Once the joint is fitted, the installing ring supplied with the socket is removed and the ring supplied with the joint, which has thread lock compound, is fitted to secure the joint permanently. Therefore the ring can be re-used again and again.



KA-3980 BENZ Steering Torque Rod Joint Installer / Remover

- Special design with self-locking nut to remove and install the torque strut at front axle.
- Bore size: M14 x 1.5
- Application: W171. W203. W209



KA-2064 2 Way Hydraulic Ball Joint Separator

- Specially designed to be operated manually or by 12Ton hydraulic ram.
- Features a step down tread adapter that allows fitting of the manual thrust screw or 12Ton hydraulic ram supplied.
- For splitting track-rod ends, anti-roll bar mounting and ball joint

Specification:

- Jaw opening: 30, 34, 40mm
- Thrust screw lengths: 100, 80mm
- Pivot rod length: 125mm



KA-1240K2 Ball Joint Remover Tool (For HGV Cars)

- Jaw opening capacity: 70mm
- Jaw width: 36mm
- Material SCM 440



KA-1240K1 12tons Hydraulic Ball Joint Remover Tool

- Hydraulic power: 12tons
- Hydraulic Ram Size: Ø38mm x L190
- Jaw opening capacity: 70mm
- Jaw width: 36mm
- Material SCM 440



KA-1240KS1 Hydraulic Ball Joint Remover Tool

- Hydraulic power: 2tons
- Hydraulic Ram Size: Ø22mm x L90
- Jaw opening capacity: 22mm
- 2-Stage of jaw up to 50mm
- For splitting track-rod ends, anti-roll bar mountings, wheel-hub ball joints, etc.
- For VW-Audi, BMW, Fiat, Ford, Mercedes, Nissan, Saab, Opel/Vauxhall, Peugeot, Renault, Rover, Toyota, Volvo



KA-1240KS 2-Way Hydraulic Ball Joint Remover Tool

- Hydraulic power: 2tons
- Hydraulic Ram Size: Ø22mm x L90
- Jaw opening capacity: 22mm
- 2-Stage of jaw up to 50mm
- For splitting track-rod ends, anti-roll bar mountings, wheel-hub ball joints, etc.
- For VW-Audi, BMW, Fiat, Ford, Mercedes, Nissan, Saab, Opel/Vauxhall, Peugeot, Renault, Rover, Toyota, Volvo



KA-1240K 12tons 2-Way Hydraulic Ball Joint Remover Tool (for HGV Cars)

- Hydraulic power: 12 tons
- Jaw opening capacity: 70mm
- Jaw width: 36mm
- For separating HGV ball-joint. Strengthened fork and lever allows for greater force to be applied.
- Remove ball joints easily where space prevents use of direct action method.
- Material SCM 440



KA-1240 12tons Hydraulic Ram

- Hydraulic power: 12tons
- Hydraulic Ram Size: Ø38mm x L190
- Maximum power with minimum effort



KA-3063 5pcs Tie Rod/Ball Joint Pitman Arm Tool Kit

(Slide Card packing)

- Size: 1-1/8" (28.mm), 11/16" (17.4mm), 15/16" (23.8mm)

OPERATING INSTRUCTIONS:

1. Assemble derired handle to fork.
2. Remove cotter pin (if equipped) and nut frim tie rod, ball joint or pitman arm stud)
3. Insert tines of separator between parts.
4. Strike end of separator with hammer or attach air hammer and apply air pressure to separate.



KA-6551
Blow Case packing



KA-6321 16" Tie Rod Separator

- opening 21/32" (18mm)

KA-6320 12" Ball Joint Separator

- opening 15/16" (24mm)



KA-3064 Tie Rod End Remover

- Insert fork between tie rod and main body. Hammer the rod separator to loosen or remove vehicle tie rod.
- Opening: 19mm
- Length: 200mm

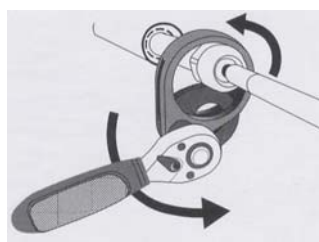
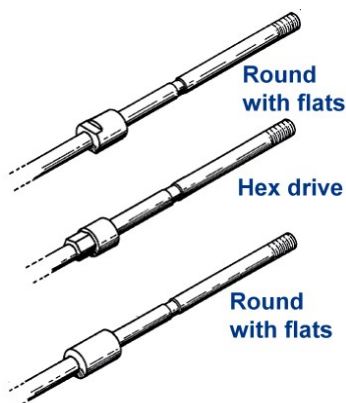


Heavy Duty Wrack Wrench

- Suits multiple rack ends and sizes (hex drive, round with two drive flats, round with no drive flats).
- Use on vehicles with limited access to avoid need to remove rack assembly.
- New larger size provides coverage for domestic and import light TURCK and SUV.
- Fixed position rings provide added strength.
- Patented cam design increase force as load is applied.
- Universal design suits rack end diameters from 25mm to 55mm.
- 1/2" square drive.
- This high quality wrack wrench will help you ensure your car's performance.

KA-5348 Application: 25~55mm

KA-5348A Application: 25~45mm



Service all inner tie rod ends.



Prevents damage to rack components.
Use for removal or installation



KA-5140 5pcs Tie Rod Adjusting Tools

Unique design permits 360 rotation of the adjusting sleeve, even where space is limited. 1/2" sq. drive allows use of ratchet or breaker bar.

- A - Tie rod adjusting tool for compact cars with 3/4" dia. Adjusting sleeves
- B - Tie rod adjusting tool for compact cars with 7/8" dia. Adjusting sleeves.
- C - Tie rod adjusting tool for compact cars with 1 1/8" dia. Adjusting sleeves.
- D - Tie rod adjusting tool for compact cars with 1 7/16" dia. Adjusting sleeves.
- E - Tie rod adjusting tool for compact cars with 1 3/4" dia. Adjusting sleeves.



KA-5520K Inner Tie Rod Tool

- Works on inner tie rods with inaccessible wrench flats
 - Utilizes 7 crows feet
- Size: 1-3/16", 1-1/4", 1-5/16", 1-7/16", 14mm, 17mm, 33.6mm



KA-6001 Inner Tie Rod Tools

For installing and removing the inner tie rod without removing the rack from the car. Long hollow socket slips ringt over the tie rod to easily reach the nut. Two sizes to fit most applications.

KA-6001A has 1-3/16" hex. Fits some Ford, Renault

KA-6001B has 1-5/16" hex. Fits GM, Chrysler, General, Motors and some Fords.



KA-3091 Inner Tie Rod Removal Set

Remove and install inner tie rods without removing steering gear. Adapters fit into the tie rod socket. 1/2" drive ratchet fits drive end. Kit services both old and new style inner tie rods. Use KA-3091 socket alone to work on older Ford and Chrysler vehicles. Use socket and 1-3/16" adapter for Ford FWD vehicles with rack and pinion power steering with new style tie rods. Use socket and 1-5/16" adapter for Ford FWD and most Chrysler vehicles with rack and pinion power steering with new style tie rods. The socket with the 1-7/16" adapter services GM and Chrysler cars with Saginaw steering gear.



KA-6679 Tie Rod Adjusting Tool

Permits 360° rotation of sleeve for required adjustment. Four-position feature lets you locate tool to grip sleeve properly...even when access is limited. Universally services most models of compact and standard-size passenger cars and light trucks.



Inner Tie Rod Tool

- Designed specifically for removal of the direction of the steering rod.
 - Special design / use 1 / 2 "Square drive.
 - Used with extension rods.
 - Applicable to various vehicles
- Benz ,Bmw ,Toyota ,Hona ,Ford ,Nissan ,etc ...

KA-2929 33-42mm

KA-2929C 42-50mm



KA-2929A Multi-Purpose Inner Tie Rod Tool

The master tie rod tool easily replaces inner tie rod ends without removing the rack & pinion.

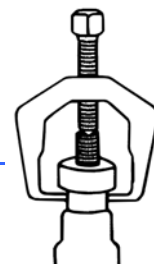
- Capacity: 33-42mm





KA-1405 Pitman Arm Puller

- For the safe easy removal of pitman arm assembly from compact automobiles.
- Forged, heat-treated yoke with extra heavy center screw.
- Opening: 28mm (1-3/32")
- Pull travel: 45mm (1-49/64")



KA-1406 Pitman Arm Puller

- Redesigned heavy duty tool to be used to remove pitman arms from late model cars and light trucks.
- Yoke is forged from high grade alloy steel.
- Heat treated.
- Opening: 33mm (1-5/16")
- Pull travel: 64mm (2-1/2")



KA-7180 Pitman Arm Puller

- The KA-7180 Pitman arm puller is designed to handle the toughest pitman arm pulling jobs on passenger cars and light trucks. This puller features special forged jaws shaped to fit the job, ensuring a positive grip and leaving your hands free for the pulling job. To use, simply remove the retaining nut, place the puller jaws behind the Pitman arm and tighten the forcing screw. Mechanical power does the rest!
- Opening: 34mm (1-3/16")
- Pull travel: 66mm (2-1/2")



KA-3092 Outer Tie Rod Remover

- Works on imports and domestics; front or rear wheel drives; and cast or stamped steel steering knuckles. This one's a must when working on outer tie rods. Its versatility is a big time and money saver. You can apply up to 5 tons of force to this puller to break the tie rod free from the steering knuckle without damaging either. The special design of this puller also helps prevent the jaws from slipping on the steering knuckle when force is applied.
- H:100mmL (4")
- Opening: 32mm (1-1/4") ~ 63mm (2-1/2")
- Pull travel: 52mm (2") ~ 56mm (2-1/4")
- Handles up to 5 tons of force

KA-3092A Outer Tie Rod Remover

- H: 75mm (S)



KA-7163

KA-7164

- Designed to handle the toughest Pitman arm pulling jobs.
- They're adjustable and have specially forged jaws shaped to fit the job. They have two clamp bolts that lock the jaws on the Pitman arm for pulling, ensuring positive grip and leaving hands free for the pulling job. KA-7164 includes adapter for added versatility. Both pullers will perform many other pulling jobs.
- Reach: 2-1/4", Clearance: 2-3/8" & Opening 1-9/32"

KA-7163 Pitman Arm Puller

(Passenger cars and light trucks to 3/4 ton)

KA-7164 Pitman Arm Puller

(Medium and heavy trucks)



KA-6347 Inner Tie Rod Crimped Tool

Fits GM & Chrysler vehicles w/ saginaw. Crimp tie rod hosing to flats over the rack, saving working times and preventing it from coming loose.

KA-2847 Universal Tie Rod Stabilizer Set

- This tool set is designed to perform alignment up to the point of setting center tie rod ends in their sockets when setting toe-in for all common type passenger cars and light trucks on front wheels.
- This will help to adjust the tie rod for proper toe-in angles.
- Would like to obtain a straight steering wheel, insuring proper steering performance.

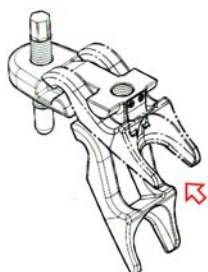
Instruction:

1. Always refer to the manufacture's service when making a wheel alignment for correct alignment procedures and safety precautions.
2. Because the both tie rods are adjusted to correct toe, Strongly recommended use stabilizers in pairs.
3. Install the one stabilizer on the tie rod end and another on the steering knuckle end. Tighten stud until plane of tie rod end top matches corresponding part.
4. Toe usually is increased or decreased by turn both tie rod sleeves to lengthen or shorten the tie rods.
5. Adjust this tie rod until is at desired angles.
6. Tighten tie rod sleeves lock nut.
7. Remove the stabilizers form tie rod.
8. Road test for vehicle.

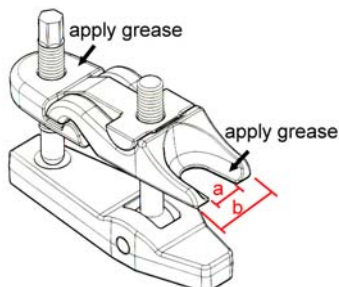


KA-6650 Ball Joint Remover

- Innovative quick change and simple action for suitable fork
- Enable operator to select correct jaw size without taking entire extractor to the vehicle
- Adjustable opening angle
- Jaw opening: 20, 22, 24, 27, 30 mm
- Thrust Screw Length: 100mm
- Pivot Rod Length: 125mm



Apply grease to the tool
This will ease installation of the tool and prevent damage to the pressure bolt threads!!



Specification

Fork 1	a=20mm	b=55mm
Fork 1	a=22mm	b=55mm
Fork 1	a=24mm	b=55mm
Fork 1	a=27mm	b=55mm
Fork 1	a=30mm	b=55mm

KA-7667 Hydraulic Press Tool Kit

This press tool set allows quick and easy removal and replacement of the ball-joint, and can be performed on the vehicle within a few minutes.

With different push rod sets, the supporting joints of vehicles can be changed. The disassembly of the complete axle or the control arms is not necessary.



- Application for BMW E36
 - Hydraulic spindle 12 ton
 - 1. Hydraulic cylinder with extension
 - 2. Universal pressing frame
 - 3. Adapter & Push rod sets.
- a: d:115mm
b: 250mm
c: 355mm



KA-4440 Universal Steering Knuckle Spreader Tool

- This product is 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.
- Made of durable chrome-moly steel for added strength
- Pin size: Ø7.7, Ø9.7, Ø9.8, Ø12.3
- Application: Audi / BMW / Citroen / VW Golf / Passat / Ford / Skoda / Seat / Renault / Peugeot / and many Japanese vehicles.



KA-4440A Universal Steering Knuckle Spreader Tool For Audi, VW

- Designed for twin ball joints as fitted to Audi and VW control arms.
- Spreads the steering knuckle. This enables the removal and refitting of the shock absorbers without the risk of damage to the aluminum or cast iron knuckle.
- Fully adjustable and is suitable for steering knuckles with either a centralized or eccentric slot.
- Pin size: Ø9.8, Ø12.3



KA-4440B Multi-Steering Knuckle Spreader Tool Kit

- Spreads the steering knuckle. This enables the removal and refitting of the shock absorbers without the risk of damage to the aluminum or cast iron knuckle.
- Fully adjustable and is suitable for steering knuckles with either a centralized or eccentric slot.
- Wide range of vehicle applications.

Instruction:

Designed for hubs with clamping style struts (A) and ball joint mounts (B)

1. Remove hub clamp bolt.
2. Select the correct size pins to match bolt holes.
3. Set up the spreader as in fig.1
4. Slide the pins into the bolt hole.
Position tool on car and secure arms and pins with grub screw.
5. Expand hub by using a spanner or socket and wrench screw until allows movement of the ball joint or strut.

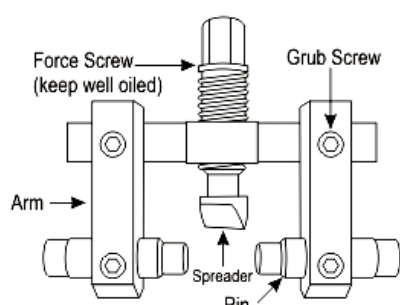


fig.1



Use for aluminum hubs



Use for cast iron hubs

A



B





KA-1340 Hydraulic Ball Joint Separator

- Fork and lever Material: SCM440
- Jaw opening capacity: 56mm
- Jaw width: 22mm
- Hydraulic ram: 8 Ton



KA-3111A-HYD Hydraulic Ball Joint Separator

- Material: SCM440
- Jaw opening capacity: 58mm
- Jaw width: 30mm
- Hydraulic ram: 8 Ton



KA-2081 Ball Joint Separator For BMW(E39)

- This tool design for removal BMW (E39) 24mm ball joint.
- For splitting track-rod end, anti-roll bar mountings, ball joints...etc.
- Size: 24mm



KA-2076 Inner Tie Rod Tool

- This tool use for removing & tightening tie rod.
- Suitable for rods which do not have place for inserting open spanner.
- Also all work can be done without lifting car. Due to you can work from die.
- For easy and smooth operation use 1/2" ratchet for both direction.
- Size: Ø28 ~ Ø36.5mm.



Universal Truck Ball-Joint Extractor

With three interchangeable forcing forks for universal application to eccentric rods and tie rods on nearly all makes of vehicles, e.g. DAF, Iveco, MAN, Mercedes, Skania, Volvo...etc

KA-5191A Opening C: 25, 32, 48mm

KA-5191B Opening C: 40, 50, 57mm

KA-5191AB Opening: C: 25, 32, 40, 48, 50, 57mm



KA-6292KN 6pcs Ball Joint Puller Set – Screw Type

- For Audi,, BMW, Ford, Chrysler, Opel Saab, Volvo, VW, Nissan, Toyota..
- Contents:

	A: φmm	B: mm
KA-5532	23	55
KA-5533	28	55
KA-6292C	34	63
KA-3066	16	45
KA-7176	19	50
KA-5533L	28	74



- KA-5533L suits for BMW 7 series, BENZ S series



KA-6292K Ball Joint Extractor Set

- For Audi,, BMW, Ford, Chrysler, Opel Saab, Volvo, VW, Nissan, Toyota..
- Contents:

	A: φmm	B: mm
KA-5532	23	55
KA-5533	28	55
KA-6292C	34	63



KA-5273 Ball Joint Tool for Audi

- For holding the lower ball joint when removal and installation on Audi A4/A5/A6/A7/Q5.



KA-6599 Volvo Ball Joint Press Tool

- Special designed for the lower control arm ball joint mounting and dismounting.
- For cars with aluminum control arms and steel wishbones alike.
- M14 x 1.5, M12 x 1.75, M14 x 2.0
- Suitable for: Volvo S60(2000-2009), S80(1998-2006), V70/XC70(1999-2007), XC90 (2002-2014)



1 Remove the ball joint bolts.

2 Install the adapter on the ball joint.
Tap loose the ball joint.

3 Install the new ball joint loosely using the guide bolts.

4 Press up the ball joint against the seat with press tool.
Drive in the ball joint with the hammer.



KA-3749 Hydraulic Press Tool Set For Volvo

- Enables safe and quick removal and installation of ball joints on suspension.
- Ball joints can be replaced directly on the car without dismantling the wishbone.
- For ball joints which is heavily corroded also can be replaced easily.
- Suitable for Volvo S40 / V40 front axle wishbone.
- Contents:
 - 17t hydraulic cylinder; 2 adapters; Press frame
 - M20 x 350mm long spindle
 - Press sleeve short: Ø 38mm, Ø54mm
 - Press sleeve long: Ø50mm, Ø54mm



KA-3750 Universal Tool For Silent Blocks and Joints Bearings

- Enables safe and quick work in replacing silent blocks and joint bearings with Ø40-71mm.
- Very tight-fitting or corroded parts can be easily removed by the 17t hydraulic cylinder.
- Can be used to replace the ball joints with an additional press frame.
- Vital and basic tool set for chassis repair.
- Contents:
 - 17t hydraulic cylinder; 2 adapters
 - 570mm long M10 spindle with nut
 - 570mm long M14 spindle with nut
 - Press sleeve short: Ø40mm, Ø50mm, Ø58mm, Ø66mm, Ø70mm, Ø80mm
 - Press sleeve long: Ø50mm, Ø60mm, Ø68mm, Ø76mm, Ø80mm

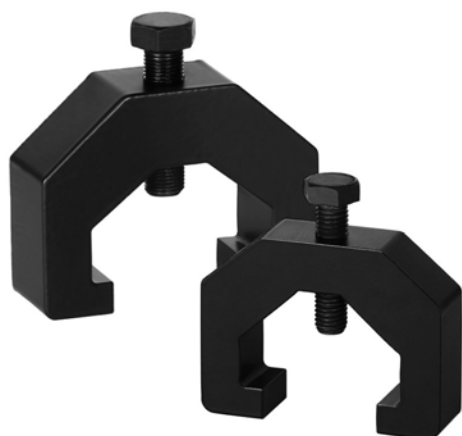


KA-5330K BMW Ball Joint Puller

- Size: 24mm, 27mm, 31mm, 36mm
- For quick and easy separation of ball joint connections.
- Application: BMW E38, E39, E52, E53, E60, E61, E70, E83, E90, E91, E92, R50, R52, R53, RR1, RR2, X5.
- 24mm can use for mercedes E-Class(W211), CLS(W219), S-Class(W220) and SL(W230), Porsche 996, Audi A4, Audi A6 carrera lower suspension ball joint
- 31mm is particularly useful for control arms from steering knuckle. Special for E53, E83
- 36mm can be used on BMW(E70)

Steering Drop Arm Puller for Land Rover

- This tool is designed for the removal of the steering drop arm from the steering box.
- Over time, the steering drop arm and the steering box splines can corrode together, making it difficult to remove the steering drop arm.
- Using this tool will ensure your steering box splined shaft & oil seal will remain intact.



KA-5386A 19mm
For the series 2, 2A & 3.

KA-5386B 24mm
For the Defender, 90, 110, 130(1987~2006) 3 & 4 bolt steering boxes.





KA-5382

Tie Rod End (Ball Joint) Boot Installer

- Installing of the tie rod end boots (press fit type) for passenger cars.
- It can be used for ball joint boots.
- Does not damage the boots.
- ID.Ø (OD.Ø): 34(44), 36(46), 37(47), 38(48), 42(52), 45(55), 48(58), 53(63)

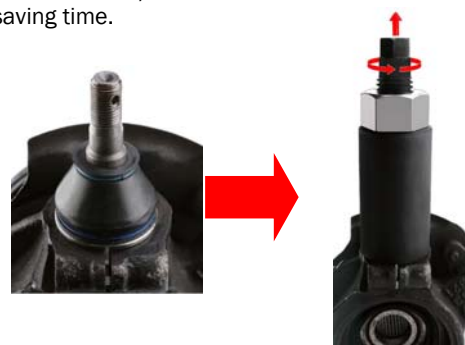


KA-5446 Ball Joint Removal Tool For Subaru / Saab

- Removal of stubborn front suspension ball joints for Subaru / Saab vehicles.
- Will not damage the suspension knuckle, and saving time.
- 19mm / 37mm



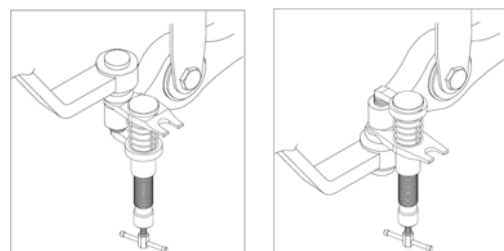
Subaru	
Outback	1994~2014
Forester	1998~2015
Impreza	1993~2014
Legacy	1994~2014
Tribeca	2006~2012
Baja	2003~2006
Saab	
9-2X	2005~2006



KA-6992 Hydraulic Ball Joint Puller

The special design and function for dismounting the ball joint on passenger cars. Both of the tools can switch position in tight areas of the wheel suspension. The jaw opening also can be turn to fit ball joint size.

- A. Capacity force: 7 ton
- B. Jaw opening: 25, 32mm
- C. Fit range: 60~72mm



KA-3796

Heavy-Duty Bearing Cup Installer

- Quickly and easily installs bearing cups on bolt-retained universal joints. Fits series 1610 to 1880 and nearly all other heavy-duty truck and machine type u-joints with bolt-retained bearing cups.
- Automatically aligns bearing cups during installation.
- Eliminates the possibility of damage to the needle bearing.



KA-3796A Automotive Yoke Puller

Simplifies and expedites the removal of automotive yokes on drive shafts, transmissions and rear-end differentials without damage to the yokes.





KA-5459HD Heavy Duty Yoke Puller

Simplifies and expedites the removal of heavy-duty yokes on drive shafts, transmissions and rear-end differentials without damage to yokes or other components.

Manufactured from high-grade steel for strength and durability

Engineered for use with a 1" impact tool.

Capable of generating over 25,000 lbs of pulling power.

To prolong the life of the forcing screw, the pull bar is precisely milled with a chamfer. The caps are designed with flexibility in mind to service an extensive range of class 6-8 trucks.

Application:

Yokes with a bearing diameter between 1 7/8" and 2 3/16"

Spicer and Meritor 1610, 1710, 1760, 1810 Series

Meritor/Rockwell RPL 20, 25 Series



KA-5440 Heavy-Duty Truck U-Joint Puller

- Quickly and easily removes sealed U-Joint cups.
- Engineered for use with up to a one-inch impact wrench providing the ultimate "brute strength" for disassembling drivelines.
- Eliminates dangerous vice and socket, or hammering method.
- Does not damage the driveshaft, yokes, joints, or bearing cups.
- To work with U-Joint bearing cups from 1.5" to 2.2" and will fit virtually all class 7 and 8 Trucks and Machinery.
- Fits all Spicer drivelines 1610, 1710, 1760, 1810, 1880 Spicer SPL 140, 170 and 250 "Life Series" Meritor (Rockwell) 16N, 17N, 18N, 1710 Meritor RPL 20 and 25 "Permalube" Series.



KA-5440A Intermediate U-Joint Puller

- U-Joint puller designed to fit drivelines 1500 series and under.
- Removes sealed U-Joint cups in minutes.
- Does not damage the driveshaft, yokes, joints, or bearing cups.
- Great for intermediate trucks, school buses, farm and light industrial vehicles.
- Fit U-Joints with bearing cups 1.25" to 1.7" O.D.
- Newly designed to fit Spicer SPL 90 & 100 series drivelines.
- OEM No.: Tiger tool 10104.



KA-5440B Automotive U-Joint Puller

- U-Joint puller designed to fit cars, light-duty trucks and farm machinery.
- Fits U-Joint with bearing cups 1.0" to 1.25" O.D.
- Eliminates dangerous vice and socket, or hammering methods.
- Removes sealed U-Joint cups in minutes.
- Does not damage the driveshaft, yokes, joints or bearing cups.
- OEM No.: Tiger tool 10105.



KA-4101 Ball Joint Adapter Set for Lexus / Toyota



- This set is used in conjunction with the C-frame to remove and install ball joints on select Lexus and Toyota vehicles.
- Set contains adapter for use on:
Lexus - 2003~2009 GX470
Toyota - 2003~2017 4 Runner, 2007~2014 FJ Cruiser.



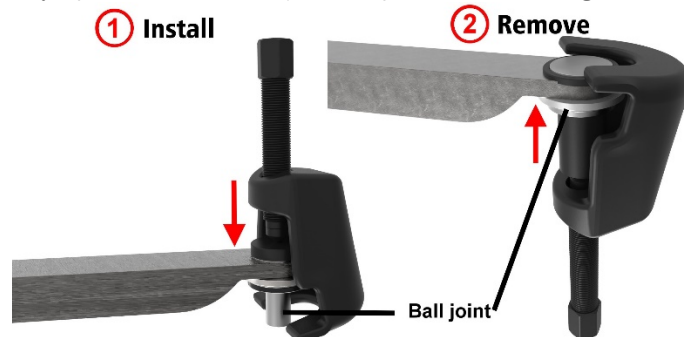
KA-3830 Adjustable Ball Joint Separator

- Used for removing many ball joints and tie rod ends.
- Features a rust resistant finish.
- A handle for use with hammer.
- Adjustable jaws width: 18mm to 43mm.



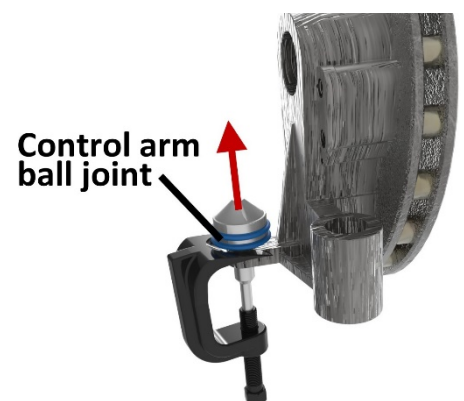
KA-2212 Ball Joint Service Kit

- Special designed for the removal and installation of press fit parts ball joints, without having to resort to makeshift methods.
- The ball joint service kit is applicable to Sportsman XP, RZR and Ranger models.
- Made from high quality steel that will resist the high pressures involved with ball joint service.
- This tool exactly squeezes the new ball joint into place without damage.



KA-2213 Lower Arm Ball Joint Separator

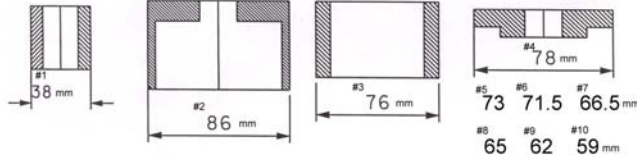
- Forged steel body and lever provide an excellent performance and long usage.
- This press segregates the lower control arm ball joint from the steering knuckle.
- Jaw open: 60mm
- Works on many Ford, Lincoln.
- Works on Mercury Milan model years 2006, 2007, 2008, 2009, 2010 and 2011.
- Works on Montego model years 2005, 2006 and 2007.





KA-5043 FWD Front Wheel Bearing Tool

- Presses wheel bearing and hub in & out on "VW GOLF" & "AUDI" cars
- 10pc: 38 - 59 - 62 - 65 - 66.5 - 71.5 - 73 - 76 - 78 - 86mm



KA-5043V 4-WD Front Wheel Bearing Tool

Presses wheel bearing and hub in & out on "VW GOLF" cars



KA-3341 Mercedes BENZ Rear Wheel Bearing Remover & Installer

This precision machined tool is used for removing and replacing the rear wheel bearing found on Mercedes Benz rear axles. This tool is also used for the rear axle flange.

- Suits Mercedes Benz models: 124, 129, 201 & 202.



KA-3583 Wheel Hub / Wheel Bearing Tool Set

For installing and removing the wheel hub / wheel bearing of built-in parts.

- Vehicle types with wheel hub 72 mm: AUDI A2 since 2000, SKODA Fabia since 2000, VW Polo since 2002, Fox since 2005, SEAT Ibiza since 2002



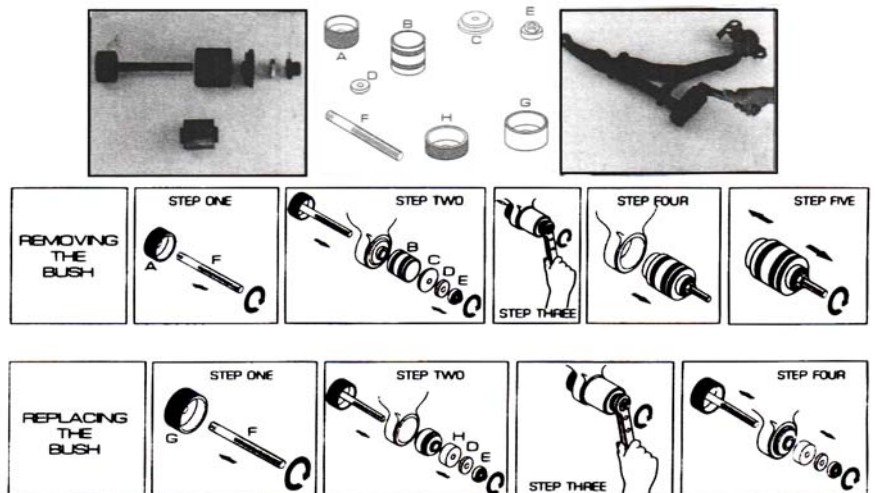
KA-6927 Axles Wheel Bearing Extractor / Installer

- To replace front wheel bearings without removing the steering knuckle & strut assembly.
- We don't remove the spindle assembly and no alignment of front end after the job is done.
- Application: Mercedes Benz, BMW, Toyota, VW, March, Ford, Volvo.



KA-5527K Rear Suspension Tool (FOR GM VECTRA)

- Removing and replacing those stubborn upper and lower rear trailing arm bushes on GM vectra's.



KA-6655C Rear Wheel Bearing Remover / Installer (C-CLASS)



- Designed R & R of rear wheel bearing located in wheel carrier.
- Also for installation of the rear axle shaft flange.
- Applicable: Models W202.



KA-6655E Rear Wheel Bearing Remover / Installer (E-CLASS)



- Designed R & R of rear wheel bearing located in wheel carrier.
- Also for installation of the rear axle shaft flange.
- Applicable: Models W210



KA-6655S Rear Wheel Bearing Remover / Installer (S-CLASS)



- Designed for R & R of rear wheel bearing located in wheel carrier.
- Also for installation of the rear axle shaft flange.
- Applicable: Models W140



KA-7186 Metal Clad Bushing R&R Kit

Needed for the efficient R&R of rear axle thrust rod bushings found on late model rear axle wheel carrier assemblies. Incorporating a thrust bearing to ease the pulling / pushing action, reduces the wear & tear of the tool ensuring longevity. This bushing tool comes complete with all the proper components to efficiently get the job done right.
Applicable: CHASSIS-W124, W129, W140, W201, W202, W210



KA-6924 Bush Extractor

Extractor for replacing of the differential mounting metallic bushes in the rear sub-frame of Mercedes type: 124.
Replacing mounting bushes without removal of the differential.



KA-2873 Bush Extractor

- Used for R&R of rear wheel bearing located in wheel carrier.
- This tool can also be used to install the rear axle shaft flange.
- Applicable: VW, T4

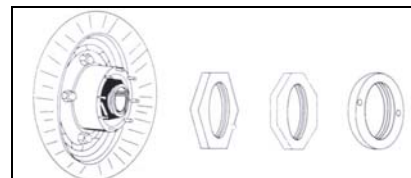
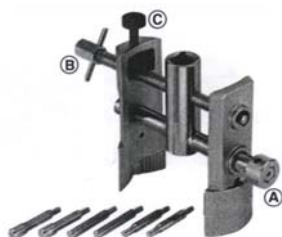


KA-4419K Adjustable Wheel Bearing Lock Nut Wrench

- Adjustable jaws with locking feature to suit both hexagon & octagon wheel bearing lock nuts.
- Includes three sets of pins to suit lock nuts with pin holes.
- Capacity: 6pt lock nuts: 1.3/4" to 5.1/4" (49-135mm) across the flats
8pt lock nuts: 1.3/4" to 5.5/8" (48-143mm) across the flats
pin diamwtwrs: 1/4"(6mm), 5/16"(8mm), 3/8"(10mm).

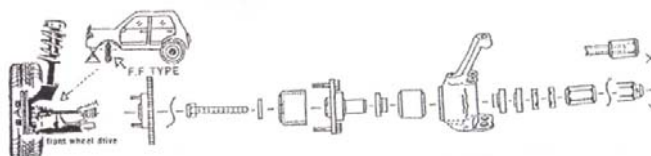
Please lubricate all threads before using.

- First loosen the locking screw (C).
- Then adjust the jaws with adjusting screw (A) to the required size.
- Once you have adjusted the jaws to the required size tighten locking screw (C), and then adjust forcing screw (B) until it is tight.
The jaws are then locked into place and the tool is ready for use.
- Place wrench over the nut and use a power bar tool loosen or use a torque wrench for installing to manufactures specifications. (Note not to be used with impact wrenches.)
- Max. torque: 500F/LBS (69MKG)
- Capacity: 6PT Lock nuts: 1.3/4" to 5.1/4" (49-135mm) across the flats
8PT Lock nuts: 1.3/4" to 5.5/8" (49-143mm) across the flats
Pin diamwtwrs: 1/4"(6mm), 5/16"(8mm), 3/8"(10mm)



KA-7314K Front Wheel Drive Kit

universal front hub & bearing installer

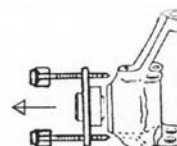


KA-7315K Front Wheel Drive Kit

- Universal front hub & bearing installer (puller)
- Adapter 55.5 - 84mm
- Spindle 295mm



M14X1.5X3PC M12X1.5X3PC



22.225 mm 7/8" →	A	A 1	55.5 mm	2 - 3/16"
		A 2	59 mm	2 - 11/32"
		A 3	62 mm	2 - 7/16"
		A 4	65 mm	2 - 9/16"
22.225 mm 7/8" →	B	A 5	66 mm	2 - 19/32"
		A 6	71.5 mm	2 - 13/16"
		A 7	73 mm	2 - 7/8"
69.00 mm 2-23/32" →	C	A 8	78 mm	3 - 3/32"
		A 9	84 mm	3 - 5/16"
22.225 mm 7/8" →	D	B	38 mm	1 - 1/2 "
		C	76 mm	3 "
		D 1	86 mm	3 - 13/32"
		D 2	91 mm	3 - 19/32"



KA-3947 Front Wheel Drive Bearing Service Set

The set includes all the special receiving cups, adaptors and pulling attachments for servicing front wheel bearings on later model Audi, Ford, GM, Opel, Volkswagen, etc.

KA-7167A 24pc Fwd Front Wheel Bearing Tool

Remove and replace front wheel bearing with the steering knuckle and strut assembly still on the vehicle!

That makes the whole job easier, and eliminates the need for a front end alignment after the service work is done.

Use with a slide hammer and front hub puller. Works on both domestic and import front wheel drive cars and light trucks.

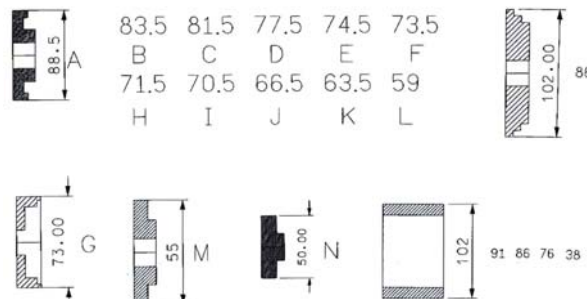
Material: CR.V Steel

21pc size: 38 - 50 - 55 - 59 - 63.5 - 66.5 - 70.5 - 71.5 73 - 73.5 - 74.5 - 76 77.5 - 81.5 - 83.5 - 86 - 86 - 88.5 - 91 - 102 - 102mm

1pc: Nut

1pc: Screw

1pc: Washer



KA-2848K Bearing Tool Kit

■ CR.V

■ For bearing remover & installer



Dics #	Diameter	Dics #	Diameter	Dics #	Diameter
KA-2848-18	18 mm	KA-2848-35	35 mm	KA-2848-52	52 mm
KA-2848-19	19 mm	KA-2848-36	36 mm	KA-2848-53	53 mm
KA-2848-20	20 mm	KA-2848-37	37 mm	KA-2848-54	54 mm
KA-2848-21	21 mm	KA-2848-38	38 mm	KA-2848-55	55 mm
KA-2848-22	22 mm	KA-2848-39	39 mm	KA-2848-56	56 mm
KA-2848-23	23 mm	KA-2848-40	40 mm	KA-2848-57	57 mm
KA-2848-24	24 mm	KA-2848-41	41 mm	KA-2848-58	58 mm
KA-2848-25	25 mm	KA-2848-42	42 mm	KA-2848-59	59 mm
KA-2848-26	26 mm	KA-2848-43	43 mm	KA-2848-60	60 mm
KA-2848-27	27 mm	KA-2848-44	44 mm	KA-2848-61	61 mm
KA-2848-28	28 mm	KA-2848-45	45 mm	KA-2848-62	62 mm
KA-2848-29	29 mm	KA-2848-46	46 mm	KA-2848-63	63 mm
KA-2848-30	30 mm	KA-2848-47	47 mm	KA-2848-64	64 mm
KA-2848-31	31 mm	KA-2848-48	48 mm	KA-2848-65	65 mm
KA-2848-32	32 mm	KA-2848-49	49 mm	KA-2848-74	74 mm
KA-2848-33	33 mm	KA-2848-50	50 mm		
KA-2848-34	34 mm	KA-2848-51	51 mm		
Disc Driver Handle 12 x 220mm					
Disc Driver Connector Screw 12 x 40mm					

KA-6965 Extra Large Custom Built Bush / Bearing / Seal Driver Set

This extra large driver set allows you to build your own custom bushing driver. Select the required sizes and assemble your driver tool. Discs are 70mm through to 150mm in 5mm increments. Discs are connected with a shaft and screw which connects to the driver handle. Build to suit the required seal bush or bearing job. Supplied in metal case.



Dics #	Diameter	Dics #	Diameter	Dics #	Diameter
KA-6965-70	70 mm	KA-6965-100	100 mm	KA-6965-130	130 mm
KA-6965-75	75 mm	KA-6965-105	105 mm	KA-6965-135	135 mm
KA-6965-80	80 mm	KA-6965-110	110 mm	KA-6965-140	140 mm
KA-6965-85	85 mm	KA-6965-115	115 mm	KA-6965-145	145 mm
KA-6965-90	90 mm	KA-6965-120	120 mm	KA-6965-150	150 mm
KA-6965-95	95 mm	KA-6965-125	125 mm		
Disc Driver Handle 10.3/4" x 3/4" (273 x 19mm)					
Disc Driver Connector Screw					

KA-6965A Extra Large Custom Built Bush / Bearing / Seal Driver Set

■ For bearing remover & installer

■ Disc Driver Handle 270 x 30mm

■ Disc Driver Connector Screw 12 x 55mm, 12 x 40mm

■ Adapter size: 70-75-80-85-90-95-100-105-110-115-120-125-130-135-140-145-150mm





KA-3038 Seal Driver Set

Quickly drivers seals without damage.
Sixteen adapters for seals up to 3 3/8 diameter
Includes special adapters for SHIELDED seals.

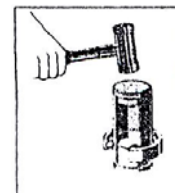


KA-2849K Bearing Fitting Tool Kit

Made of shock-resistant polyacetale, this light model is designed to be taken along and used out in the field.

Impact ring: 10 – 50 mm

Impact sleeves: 18 – 32 – 52 mm



KA-2913K

Universal Bearing Bushing Extractor Use W/Hydraulic Press



KA-2809 Universal Impact Driver & Installer Set

This kit is designed for easy removal of bearing, bushing, gear or other component from the shaft, and easy installation of a component into a housing or bore. A slot for contain shaft design. This kits contains various diameter with different diameter, a driver, a short handle and a long handle.



KA-1320K Wheel Bearing Extractor

- For installing and removing wheel bearings as well as for installing wheel hubs.
- Change of built-in wheel bearings.
- Removing the strut unit as well as camber adjustment are not necessary.
 - time-saving (approx. 30 min).
 - money-saving repair for the customer
- Vehicles with Anti-Lock Braking System (ABS):
 - Due to the recess at the housing dismounting the ABS-sensor is not necessary.
 - No risk of damaging the ABS-sensor
 - Money and time-saving
- Centring and due to calotte (spherical recess) at the housing.
- ring-ciamping (DBGM-German registered utility model) developed retains the thrust washer on the centring bushing when installing and removing the wheel hub.
- Higher axial forces in spite of lower application (due to high-capacity threaded spindle with special trapezoidal fine thread in conjunction with the axial cylinder roller bearing).
- Optimal centring when inserting the wheel hub into the new wheel bearing.
- Application: VW,AUDI, SEAT, SKODA, OPEL FORD RENAULT, PEUGEOT, CTTROEN(PSA), MERCEDES-BENZ, BMW

KA- 2891 Bearing Positioning Tool Set

The Bearing Positioning Tool Set provides a convenient way to contact closely and smoothly with the upper inner edge of a bearing so that hammering force can be applied evenly to enable the bearing to be smoothly and quickly assembled and positioned in the insert hole of an axle.

It includes a grip having an inner end fixed with a combining rod with a combining hole and 6 pieces heavy duty positioning press blocks with different diameters in order to match different-sized bearings. There are 3 pieces positioning press blocks are formed with two different diameters.

Press Block Sizes: (Material: Nylon + Fiber)

1.555" (39.5mm), 1.752" (44.5mm),

1.968" (50.0mm), 2.322" (59.0mm),

2.48" (63.00mm), 2.559" (65.0mm)

2.922" (76.0mm), 3.189" (81.0mm)

PATENT PENDING: U.S.A., TAIWAN.



Set contains nine sizes :

1.555"(39.5mm)、1.752"(44.5mm)、1.968"(50.0mm)、2.322"(59.0mm)、2.48"(63.0mm)、2.559"(65.0mm)、2.834"(72.0mm)、2.992"(76.0mm)、3.189"(81.0mm)

In using, as shown in Figs. 1-3, firstly, pick out a positioning press block 2 with a suitable diameter and circumference according to the size of the inner diameter of a bearing (B) to be assembled.

Next, the combining rod 10 of the grip 1 is inserted through the central insert hole 20 of the positioning press block 2 and then the combining member 3 is threaded to combine with the combining threaded hole 11 of the grip 1 to fix the positioning press block 2 in position.

In operating for positioning the bearing (B), as shown in Figs. 2 and 3, firstly, the positioning press block 2 has its first fitting member 21 (or the second fitting member 23) closely contacting with the inner wall (B10) of the bearing (B) and its first holding edge 22 (or the second holding edge 24) closely and horizontally resting on the upper edge (B11) of the bearing (B)

Next, the bearing (B) is driven into the insert hole (A) of an axle by striking the hammering end 12 of the grip 1 with a hammering tool. Thus, since the positioning press block 2 has its first fitting member 21 and its first holding edge 22 respectively and horizontally contacting closely with the inner wall (B10) and the upper edge (B11) of the bearing (B): therefore, the bearing (B) can smoothly and quickly be assembled and positioned in the insert hole (A) of an axle

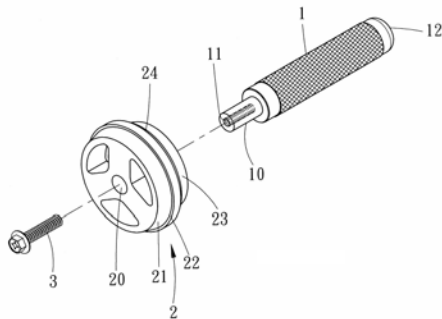


FIG.1

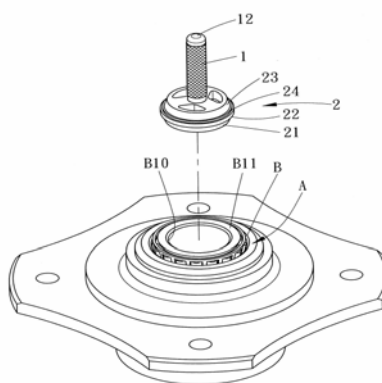


FIG.2

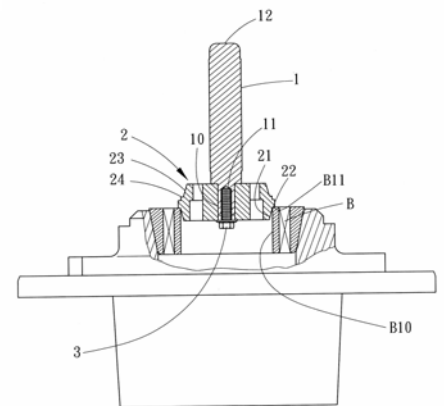


FIG.3



KA-8200 Rear Bush Removal Tool

For the removal and installation of the rear bushes on FORD fiesta and KA from 1996 onwards without removing the suspension trailing link.



KA-3128 BMW (E30, E36, E46) Bush Extractor

- Used for R&R of rear wheel bearing located in wheel carrier.
- Application: BMW E30, E36, E46



KA-3136 BMW (E32, E34) Bush Extractor

- Removal and replacement tool for metallic bushes on upper sub-frame.
- Application: BMW E32, E34



KA-6925 Bush Remover / Installer

To remove and replace the metallic bushes on rear axles Mercedes type 201/124/202/140/129/210. KA-6925 incorporates an axial bearing and also incorporates a pressure piece which ensures the correct position of the new metallic bushes when replaced.



KA-3137 BMW (E38, E39) Bush Remover / Installer

- Removal and replacement tool for metallic bushes on rear axles.
- Application: BMW E38, E39



KA-3129 BMW (E34) HUD Remover / Installer

- Designed for professional removal and installation of rear wheel hub.
- Applicable: E34



KA-4039 9pcs Heavy-Duty Bushing Remover and Insert Kit

Size: from 1-5/16" x 7/16" through 1-3/4" x 1-7/8" (33.3mm x 11.1mm trough 44.5mm x 47.6mm).



KA-4039A 22pcs Bushing Remover and Insert Kit

- Sizes from 3/8" x 7/16" through 1-1/4" x 1-3/8" (9.5mm x 11mm through 31.8mm x 34.9mm)
- 3pcs drivers and driver nut



Bushing Driver Set

- Adaptors held on drivers with knurled nut.
- Fit all remaining bushing.

KA-5129 (Metric)

- Size: 10-12-14-15-16-18-19-20-22-25-26-28-30MM
- Driver Handle: 115 & 140 & 160mm(L)

KA-5129A (Inch)

- Size: 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"
- Driver Handle: 115mm & 140mm & 160mm(L)



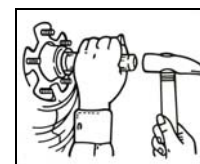
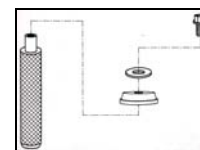
KA-5125 Universal Bearing & Seal Driver Set

- Have the proper-size driver for any seal, bearing, or bushing installing job. These sets include discs and handles you assemble to provide a pilot (to prevent cocking), a spacer (so force is applied on the proper area), and a driver (for even force distribution). Discs range in size from 1/2" thru 4-1/2" in diameter, in 1/16" increments.
- Contents dis 12 pcs: 5/8", 3/4", 7/8", 1", 1-1/8", 1-1/4", 1-3/8", 1-1/2", 1-5/8", 1-3/4", 1-7/8", 2"
Cap screw 4pcs: 1/4"x 3/4", 1/4"x1-1/4", 1/4"x1-3/4", 1/4"x2-1/4"
1pcs hand.
1pcs hex key wrench



10pc Bearing Race & Seal Driver Set

39,50mm (1,565")	z.B. e.g. Hinterachse, Äußeres Lager. Rear axle, outer beaning: Golf I , II ,III -1997, Passat, Seat Ibiza, Jetta-1997
44,50mm (1,750")	z.B. e.g. Hinterachse, inneres Lager. Rear axle, inner bearing: Audi 80 – 1994, Audi A4, DB-201 (190), DB-210 (E/C-class)
50,00mm (1,965")	z.B. e.g. Hinterachse, inneres Lager. Reat axle, inner bearing: Golf I , II ,III -1997, Passat, Seat Ibiza, Jetta –1997 Audi 80 – 1994, Ford Escort 91-95 Fiesta 89-96, Ford KA 1997 -
59,00mm (2,325")	z.B. e.g. Polo 1978-1995 Vorderachse, Front axle: DB-201 (190) DB-210 (E/C-class)
63,00mm (2,470")	z.B. e.g. Vorderachse: Fornt axle: Golf I , II ,III -1997 Passat, Seat Ibiza, Jetta - 1997
65,00mm (2,555")	z.B. e.g. Vorderachse: Front axle: Golf II , Seat Ibiza, Cordoba, Passat – 1996 (normales Fahrwerk 50-60PS), Polo
72,00mm (2,830")	z.B. e.g. Vorderachse: Front axle: Golf II , Seat Ibiza, Cordoba, Passat-1996 (Fahrwerk Plus ab 110 PS), Audi A4/A6, Passat 1997-
76,00mm (2,995")	
81,00mm (3,180")	z.B. e.g. Vorderachse: Front axle: Audi A4/A6 1996 – für stärkere Motori- sierungen VW-T4 Bus 1992-



KA-3039



KA-3039A (Color finish)



KA-3039R (economy type)

Press and Pull Sleeve Kit

Universal tool set for extracting and drawing in: silent bearings, hydraulic bearings, bearing bushes, ball bearings, shaft seals, rubber bearings, ect.

Fully universal application. Ideal for different vehicles. Cars + HGVs.

Depending on requirements, the particular sleeves can also be individually reworked(e.g. recess, etc.)

Application also with workshop press + press frame.

KA-3976A (24pcs / set)



■ 20pcs sleeves (ØOD x ØID)

A. 44 x 34mm	H. 58 x 48mm	O. 72 x 62mm
B. 46 x 36mm	I. 60 x 50mm	P. 74 x 64mm
C. 48 x 38mm	J. 62 x 52mm	Q. 76 x 66mm
D. 50 x 40mm	K. 64 x 54mm	R. 78 x 68mm
E. 52 x 42mm	L. 66 x 56mm	S. 80 x 70mm
F. 54 x 44mm	M. 68 x 58mm	T. 82 x 72mm
G. 56 x 46mm	N. 70 x 60mm	

■ 4pcs puller – spindle

1. M16 x 350mmL + Nut	2. M14 x 350mmL + Nut
3. M12 x 350mmL + Nut	3. M10 x 350mmL + Nut

KA-3976B (27pcs / set)



■ 22pcs sleeves (ØOD x ØID)

A. 44 x 34mm	I. 60 x 50mm	Q. 76 x 66mm
B. 46 x 36mm	J. 62 x 52mm	R. 78 x 68mm
C. 48 x 38mm	K. 64 x 54mm	S. 80 x 70mm
D. 50 x 40mm	L. 66 x 56mm	T. 82 x 72mm
E. 52 x 42mm	M. 68 x 58mm	U. 85 x 75mm
F. 54 x 44mm	N. 70 x 60mm	V. 90 x 80mm
G. 56 x 46mm	O. 72 x 62mm	
H. 58 x 48mm	P. 74 x 64mm	

■ 5pcs puller – spindle

1. M16 x 350mmL + Nut	2. M14 x 350mmL + Nut
3. M12 x 350mmL + Nut	4. M10 x 350mmL + Nut
5. M18 x 350mmL + Nut	

KA-3976BS (22pcs / set)



■ W/O 5pcs Puller Spindle

■ sleeves (ØOD x ØID)

A. 44 x 34mm	I. 60 x 50mm	Q. 76 x 66mm
B. 46 x 36mm	J. 62 x 52mm	R. 78 x 68mm
C. 48 x 38mm	K. 64 x 54mm	S. 80 x 70mm
D. 50 x 40mm	L. 66 x 56mm	T. 82 x 72mm
E. 52 x 42mm	M. 68 x 58mm	U. 85 x 75mm
F. 54 x 44mm	N. 70 x 60mm	V. 90 x 80mm
G. 56 x 46mm	O. 72 x 62mm	
H. 58 x 48mm	P. 74 x 64mm	

KA-3976C (26pcs / set)



■ 20pcs sleeves (ØOD x ØID)

A. 44 x 34mm	H. 58 x 48mm	O. 72 x 62mm
B. 46 x 36mm	I. 60 x 50mm	P. 74 x 64mm
C. 48 x 38mm	J. 62 x 52mm	Q. 76 x 66mm
D. 50 x 40mm	K. 64 x 54mm	R. 78 x 68mm
E. 52 x 42mm	L. 66 x 56mm	S. 80 x 70mm
F. 54 x 44mm	M. 68 x 58mm	T. 82 x 72mm
G. 56 x 46mm	N. 70 x 60mm	

■ 2pcs disc

■ 4pcs puller – spindle

1. M16 x 450mmL + Nut	2. M14 x 450mmL + Nut
3. M12 x 450mmL + Nut	4. M10 x 450mmL + Nut

KA-3976D (26pcs / set)



■ 20pcs sleeves (ØOD x ØID)

A. 44 x 34mm	H. 58 x 48mm	O. 72 x 62mm
B. 46 x 36mm	I. 60 x 50mm	P. 74 x 64mm
C. 48 x 38mm	J. 62 x 52mm	Q. 76 x 66mm
D. 50 x 40mm	K. 64 x 54mm	R. 78 x 68mm
E. 52 x 42mm	L. 66 x 56mm	S. 80 x 70mm
F. 54 x 44mm	M. 68 x 58mm	T. 82 x 72mm
G. 56 x 46mm	N. 70 x 60mm	

■ 1pc labor-saving nut

■ 4pcs puller – spindle

1. M16 x 450mmL + Nut	2. M14 x 450mmL + Nut
3. M12 x 450mmL + Nut	4. M10 x 450mmL + Nut



Labor-saving nut



Bearing Separators

Designed for removing Generator Gears, Bearings, Bearing Cones and similar parts, where ordinary puller jaws will not reach. The knife edges are flush on one side to get behind the work for easy pulling.

KA-1001A	Spread: 10~30mm
KA-1001	Spread: 30~50mm
KA-1002	Spread: 50~75mm
KA-1003	Spread: 75~105mm
KA-1004	Spread: 105~150mm
KA-1005	Spread: 150~200mm



KA-7169 Bearing/Puller Set

This handy all in one kit takes all your current bearing separators and pulley puller and combines them into one set packed in a blow-molded carrying case

NO.	Spread	THREADS
KA-7169-1	6~25mm	5/16" - 18
KA-7169-2	30~50mm	3/8" - 16
KA-7169-3	50~75mm	5/8" - 18
KA-7169-4	105~150mm	5/8" - 18
KA-7169-5	150~225mm	9/16" - 20



KA-1307 Hydraulic Bearing Separator Kit

CONTENTS:	1023-1 10ton hyd. Ram	1pc
	1004 Bearing separator 4"-6" (100-150mm)	1pc
	1307-3 Bolt 5/8"x11NCxL216x16mm	2pcs
	1307-4 Main rod 21mmxL7"x5/8"x11NC	2pcs
	1307-5 Extension rod 21mmxL7"x5/8"x11NC	2pcs
	1307-6 Beam	1pc
	1307-7 Adapter	1pc
	1307-8 Blow case	1pc



KA-1308 Hydraulic Bearing Separator Kit

CONTENTS:	1023-1 10ton hyd. Ram	1pc
	1003 Bearing separator 75~105mm	1pc
	1308-4 Main rod	
	Hex bar 19mmxL10"x5/8"-1.75p	2pcs
	1308-5 Extension rod	
	Hex bar 19mmxL10"x5/8"-1.75p	2pcs
	1308-6 Beam	1pc



KA-1310 Bearing & Puller Separator Kit

CONTENTS:	1003 Bearing separator 75~105mm	1pc
	1310-2 Beam	1pc
	1310-3 Forcing Screw Ø18.65-10TxL292mm	1pc
	1310-4 Nut	1pc
	1310-6 Main rod	
	Hex bar 19mmxL8" xØ15.24-1.75P	2pcs
	1310-7 Extension rod	
	Hex bar 19mmxL8" xØ15.24-1.75P	2pcs



KA-1311-3 Bearing & Puller Separator Kit

Bearing separator 30~50mm



KA-1311-1 2pc Bearing & Puller Separator Kit

KA-1001 Bearing separator 1-1/4" - 2" (30-50mm)

KA-1002 Bearing separator 2" - 3" (50-75mm)

- This combination set includes our two most popular bearing "splitters" (2" and 3"), four sets of hex push-puller legs and a bar type puller head with a 9/16" forcing screw. Separator tools are used with bar puller and legs for a wide variety of pulling jobs.
- The 5" puller cross-bar with a 6-1/4" forcing screw or each of the bearing separators may also be used separately or in combination with other pullers or tools.



KA-1311-14A 14PCS Bearing & Puller Separator Set

KA-1001 Bearing separator 1-1/4" - 2" (30-50mm)

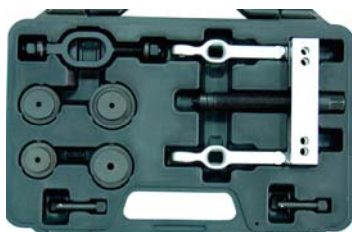
KA-1002 Bearing separator 2" - 3" (50-75mm)

- Pullout the bearing with the H-type beam and bolts.
- Bearing separator KA-1001 and KA-1002 inside.



KA-1311-14 14PCS Bearing & Puller Separator Set

- for removing bearings, internal rings and other tightly and narrowly mounted parts.
- Include 2 splitting knives: 32-56 mm and 56-78 mm.



KA-6400K Truck Differential Side Bearing Puller

Narrow jaws slip into housing grooves in back of bearing and let jaws seat and pull along with inner race. Jaws are locked onto bearing by clamp bolt. Four centering plates included.

Adaptor: 1-1/2"-2" DIA.

1-21/32" - 2-1/8" DIA.

1-27/32" - 2-1/2" DIA.

2-3/8" - 3-1/16" DIA..

spread: 3-1/2" to 5-1/2"

Reach: 1-3/4"

Preach: 1-3/4"

Pressure screw: 3/4" - 16mm x 6-11/16"



KA-6402K A/C Clutch Pulley Puller Set

- For removal of stubborn air conditioning clutch pulleys. Also can be used on many alternator, generator, power steering and crankshaft pulleys, harmonic balancers, and fiber timing gears.
- Set includes drop-forged components: one 3/4"-16x5" live center forcing screw, 5-1/2" crossbar with 3 spread settings, two pair of jaws, and a clamp bolt.
- Spread: 3" to 5", Reach: 1" to 5"



KA-6525K Differential Side Bearing Puller

- For a wide range of pulling jobs, including: bearing, alternators, generators, power steering and crankshaft pulleys, timing gears, and harmonic balancers.
- Spread: 2-3/8" to 3-3/8" & 3-1/2" to 5-1/2"
- Reach: 1-5/8" & 1-3/4"
- Set includes drop-forged components, which can be used in a variety of combinations.



KA-6403 Pitman Arm Puller

Handle many pitman arm applications plus a wide range of general pulling job.
 Spread: 2-5/8" to 3-3/8"
 Reach: 2-1/4"
 Pressure screw: 3/4"-16mm



KA-6401K Truck Differential Side Bearing Puller

Narrow jaws slip into housing grooves in back of bearing and let jaws seat and pull along with inner race. Jaws are locked onto bearing by clamp bolt. Four centering plates included.
 Adaptor: 13/16" - 1-11/32" DIA.
 1-1/8" - 1-1/2" DIA.
 1-1/8" - 1-5/8" DIA.
 1-1/2" - 1-5/8" DIA..
 spread: 2-5/8" to 3-3/8"
 Reach: 1-5/8"
 Pressure screw: 3/4" - 16mm x 6-11/16"



KA-6522K Flange Type Axle & Rear Axle Bearing Puller Kit

- Axle: 130mm bolt circles range 4-1/2" to 5-1/2"
- Hammer: 5lbs
- T bar: 24"
- Rear axle bearing puller fit bearing tube
 - KA-3071-1 I.D 1" to 1-7/8"
 - KA-3071-2 I.D 1-5/16" to 2-3/8"
 - KA-3071-3 I.D 1-3/8" to 2-7/8"



KA-6523K External & Rear Axle Bearing Puller Kit

- External capacity: 15-80mm
- Hammer: 5LBS
- T bar: 24"
- Rear axle bearing puller fit bearing tube
 - KA-3071-1 I.D 1" to 1-7/8"
 - KA-3071-2 I.D 1-5/16" to 2-3/8"
 - KA-3071-3 I.D 1-3/8" TO 2-7/8"



KA-6524K H/D Internal & External Bearing Puller Kit

- Hammer: 5LBS
- T bar: 24"
- Puller capacity
 - KA-6524-1 Internal 15-30mm
 - KA-6524-2 Internal 30-80mm
 - KA-6524-3 External 15-80mm



KA-3294K 5pcs Slide Hammer Gear/Bearing Puller Set

Drop forged chrome vanadium steel puller arms with locking/ gripping feature. Set includes 3 sets of 100mm triple leg pullers with locking feature which clamps the jaws firmly inside/ outside the gear or bearing. Includes 2.5lb slide hammer. Supplied in carry case.

- Internal pullers: 100mm triple leg - Ø15-40mm, Ø29-100mm
- External pullers: 100mm triple leg - Ø20-130mm



KA-3105 Slide Hammer Puller Set

- For pulling wheel nut bearings.
- Thread size of inner thread on sliding hammer is BSW 12G.
- Thread size of inner thread of pulling foot is BSW 3/4".
- Total length with assembled pulling foot is approx. 51cm
- Thread adaptor BSW 12G x BSW 3/4" included



KA-6663 Hydraulic Hub Puller

- Axle 1pc drop forged
- Axle center hold: 29.4mm
- Hydraulic ram: Ø 30.9mm
- Capacity: 6 ton
- Adapter: 1pc



KA-6663C Front Hub Puller

- Pulls 4 bolts or 5 bolts front hub with center forcing screw.
- Professional quality makes job to be easy.



KA-3315 Universal Hub Puller

Readily adjustable sliding legs to pull wheel hubs more quicker & easier where the bolt circle does not exceed 7-1/2" (190.2mm), also removers press-fit rear brake drums. Five legs should be used on Cadillac & Jeep hubs (extra legs available separately). Provides a straight pull, will not distort wheel lugs. Striking handle & puller screw included.



KA-1312 Rear Axle Puller

- 4-5-6 Bolt
- Center screw: 5/8" x 18T x 5-1/2"L
- P.C.D: 4-1/4" ~ 5-9/16" (108~140mm)



KA-1314 Front Wheel Hub Puller

- 4-5-6 Bolt
- Center screw: 5/8" x 18T x 5-1/2"L
- P.C.D: 3-3/4" ~ 4-1/2" (95~115mm)



KA-3056 Front Hub Puller

- F.F Type
- P.C.D: 4~6-1/4" (100~158mm)



KA-3056A Universal Wheel Hub Puller

- 3 Bolt & 6 Bolt
- P.C.D: 3-1/8"~6" (80~150mm)



**KA-3055
Wheel Puller**

- 205. 167. 110 95~142mm



**KA-3057
Front Hub Puller**

- F.F Type
- 3-5/8" ~ 5-1/4" (92~133mm)



**KA-6663A
Universal Hydraulic Hub Puller**

- Hub Puller (Pitch 110~170mm drop forged)
- Forcing screw (Ø38mm-16T/inch x L320mm)



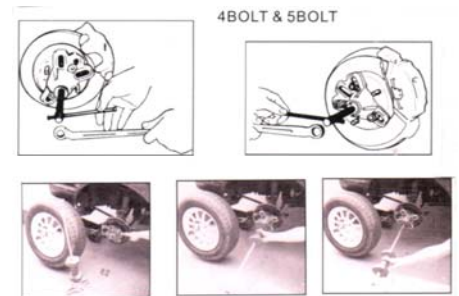
**KA-6663B
Universal Hydraulic Hub Puller**

- Hydraulic ram Ø37.7mm
- Hub puller (Pitch 110-170mm drop forged)
- Capacity: 10ton



KA-3067 Front Hub Puller

- F.F Type
- 4"~4-1/2" (100~115mm)



KA-3332 Slide Hammer Pullers With Cup Pulling Attachments

These pullers combine a basic slide hammer unit with a internal pulling attachment. Ideal for removing bearing cups, outer and oil seals from blind holes. Upon removal of the internal pulling attachment, the basic slide hammer unit, which has 5/8"-18 threaded end, may be used with various adapters for a multitude of pulling jobs.

Range: 38mm - 160mm



KA-2206 Adjustable Blind Inner Bearing Slide Hammer Puller

- Used for removing many bearings and bushings.
- Features a rust resistant finish.
- A handle for use with hammer.
- Adjustable jaws width: 12.5mm to 53mm.





KA-3307



KA-3308

Simply secure shaft through opening in adapter to remove the half shaft from CV joints on most FWD vehicles.

KA-3307 Flange Type Axle Puller

KA-3308 Front Wheel Drive Axles Puller



KA-3054 Slide Hammer Puller

- Pulls 4 bolts front hub easily with the 10 lb slide hammer
- Heavy-duty tool for rugged jobs



KA-1311 Rear Axle Puller

This tool can be used as a regular wheel puller or hub puller. The bolt circles range is from 4-1/2" to 5-1/2" which covers all major cars, and small trucks with flange type axles. Fits 4, 5, and 6 bolt stud designs. Equipped with 5lb. hammer and 24" long rod. Thread size 5/8"x18T



KA-1313 Axle Puller

- Axle: 110mm
- T-bar: 5/8" x 15 1/2" x 18T/inch
- 5 Lbs hammer: castiron



KA-3306C Slide Hammer With Threaded End

9lb.(4kg) Slide hammer only for use with many different attachments
With TW17 x 10 threaded. 26"(660mm)



KA-3331 Internal Pulling Attachment

- Designed to use with a push-puller or slide hammer assembly
- Capacity:
Range: 38 - 160mm



KA-3331A Internal Pulling Attachment

- Designed to use with a push-puller or slide hammer assembly
- Capacity:
 1. Jaw spread: 2"-5"
 2. Reach: 3"



KA-1407 Front Wheel Drive Axle Puller Adapter

Use to remove the axle assembly when servicing front wheel drive vehicles. For use with Axle puller with 5/8"-18 thread.



KA-1316 Slide Hammer Kit

1317-1	T-bar	1pc
1317-2	5lbs hammer	1pc
1317-3	Jaw	3pc
1312	Axle puller (130mm holo to holo)	1pc
1317-4	Grip wrench adapter	1pc
1317-5	Nut	1pc
1317-6	2 Jaw head	1pc
1317-7	3 Jaw head	1pc
1317-8	Screw & nut	3pc
1317-9	Attachment	1pc
1317-11	Tapping screw	1pc
1317-12	Hook	1pc



KA-1317 Slide Hammer Kit

1317-1	T-bar	1pc
1317-2	5lbs hammer	1pc
1317-3	Jaw	3pc
1312	Axle puller (drop forged carbon steel)	1pc
1314	Axle puller (drop forged carbon steel)	1pc
1317-4	Grip wrench adapter	1pc
1317-5	Nut	1pc
1317-6	2 Jaw head	1pc
1317-7	3 Jaw head	1pc
1317-8	Screw & nut	3pc
1317-9	Attachment	1pc
1317-11	Tapping screw	1pc
1317-12	Hook	1pc
1317-13	Bolt	1pc



KA-7171 8 Way & 10 Way Slide Hammer Puller Set

Slide Hammer with multiple attachments including 2/3 Jaw Internal and External Pullers, Rear Axle Puller, Locking Plier Adaptor, Puller Hook and Dent Puller



KA-7170 Front Wheel Drive Service Set

A handy collection of just what you need to service CV joints and axles. Includes CV joint puller set, plus the front hub installer, front hub puller, and rear axle pulling plate. The fits into the front hub of Escort/Lynx, Tempo/Topaz, and Taurus/Sable cars. Attaches to the slide hammer assembly to service axles with bolts and studs up to 9/16" diameter, and will fit 4- or 5-bolt stud circles from 4-1/4" to 5-9/16"



KA-7172 Master Fwd Front Wheel Bearing Tool Set

This is the same great adapter set as in the KA-7167, but also includes slide hammer puller, front hub remover, and front axle installer. Works on either domestic or import front wheel drive cars and light trucks.



Universal Hub Puller

- KA-1513** Size: 90-140mm / 3-1/2" - 5-1/2"
130-180mm / 5-18" - 7-1/16"
- KA-1514** Size: 130-180mm / 5-1/8" - 7-1/16"
- KA-1515** Size: 90-140mm / 3-1/2" - 5-1/2"



KA-6649 Separator Hydraulic Ram & Universal Hub Puller Kit

Has readily adjustable sliding arms to pull wheel hubs quickly and easily. Maximum reach is 7-1/2" bolt circle. Provides a straight pull - will not distort wheel lugs. Five legs should be used on Cadillac and jeep hubs (extra legs available separately).

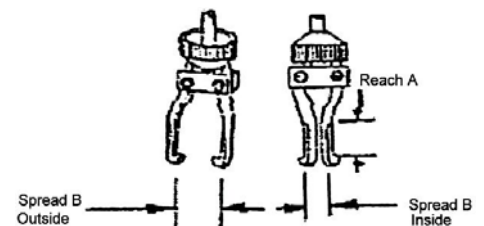
- Hydraulic ram: Ø37.7mm
- Ram extension rod: Ø1" x 2" (L)
- Striking handle: 8"
- Hub puller legs: 5pcs



KA-5525K 2 & 3 Jaw Gear Puller Set

Contents:

- 3pcs adjustable reversible jaws 123mm(4-7/8")
- 3pcs adjustable reversible jaws 47mm (1-7/8")
- 3pcs adjustable reversible jaws 32mm(1-1/4")
- 1pc Forcing screw
- 1pc 2-way YOKE
- 1pc 3-way YOKE
- 1pc Reversible adjusting nut
- 3pc screw & nut



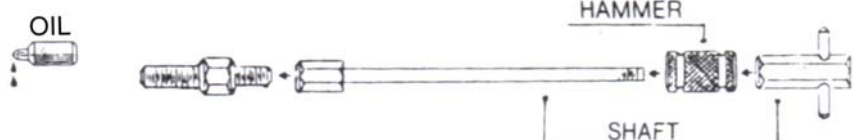
KA-2491 Slide Hammer Puller (3 Bolt & 6 Bolt)

- Slide hammer 920g
- 80~150mm(3-1/8" ~ 6")



KA-2492 Slide Hammer Puller (4 Bolt & 5 Bolt)

- Slide hammer 920g / 100mmL
- 92~133mm (3-5/8" ~ 5-1/4")
- Shaft: 400mL / 665g





KA-2124K Bearing Puller Tool

8-10-12-15-17-20-25-30-32mm



KA-6886K Bearing Puller Tool Kit (8~25mm)

Contents:

Frame	Leg Range: 26-66m/m		
Center Bolt	8m/m(M) x 90m/m(L) P:1.25m/m		
Center Nut	8m/m(F) x 15m/m(L) x 14m/m(Hex) P:1.25m/m		
Space Collar x 2pcs.	22m/m(O.D.) x 8.2m/m(I.D.) x 20m/m(L)		
	22m/m(O.D.) x 8.2m/m(I.D.) x 8.6m/m(L)		
Attachment	8m/m - 11m/m	45m/m(L)	Hex: 14m/m
Attachment	10m/m - 13m/m	45m/m(L)	Hex: 17m/m
Attachment	12m/m - 15m/m	45m/m(L)	Hex: 17m/m
Attachment	15m/m - 17m/m	45m/m(L)	Hex: 17m/m
Attachment	17m/m - 20m/m	45m/m(L)	Hex: 19m/m
Attachment	20m/m - 24m/m	45m/m(L)	Hex: 26m/m
Attachment	25m/m - 29m/m	45m/m(L)	Hex: 26m/m
Tapered Bolt x 2pcs	8m/m(F) x 12m/m-P1.25(M) x 54m/m(L) Hex: 14m/m		
	8m/m(F) x 16m/m-P1.50(M) x 63m/m(L) Hex: 17m/m		
Adapter x 2pcs	1/2"-12T(F) x 8m/m-P1.25(M) Hex: 21m/m		
	5/8"-11T(F) x 8m/m-P1.25(M) Hex: 21m/m		



KA-2432 Bearing Hole Puller Kit

Part No.	Size	Description
2432-1	Shaft	Slide Hammer Shaft 390MM/L
2432-2	Hammer	Hammer Weight 100mm/L-2, 15lb(940g)
2432-3	8mm	5/16" to 13/32" (8-10mm)
2432-4	10mm	13/32" to 15/32" (10-12mm)
2432-5	12mm	15/32" to 9/16" (12-14mm)
2432-6	15mm	19/32" to 11/16" (15-17mm)
2432-7	17mm	11/16" to 25/32" (17-20mm)
2432-8	20mm	25/32" to 15/16" (20-24mm)
2432-9	25mm	1" to 1-1/8" (25-29mm)
2432-10	30mm	1-3/16" to 1-1/4" (30-32mm)



KA-1570 Blind Bearing Puller Kit (10-32mm)

1570A Shaft 400mm L
 1570B Hammer 100mm L
 1570C Attachment 10-14mmØ
 1570D Attachment 15-19mmØ
 1570E Attachment 18-25mmØ
 1570F Attachment 25-32mmØ

- For pulling jobs requiring an internal pull, such as pilot bearings.
- Set includes four collets which fit a wide range of applications. Select the appropriate sized collet by comparing it with the application. Insert the collet, expand it to fit the hole, then attach the slide hammer assembly.



KA-3298K Mini Bearing Separator Kit

- Forcing screw 1/4" - 20T x L102mm
- Beam
- Main Rod 2pcs (Hex bar 8mm x L85mm x 1/4" - 20T)
- Extension Rod 2pcs (Hex bar 8mm x L40mm x 1/4" x 20T)
- Bearing separator Spread range: 10mm-30mm (SCM415 drop forged)
- Jaw 2pcs (L82mm)



KA-7715K Universal Hub Pullers

For all cars and commercial vehicles. Fits hub circles up to Ø250mm.
Revolving end parts of legs ensure that no damage can be done to studs, axle or inner parts of the wheel.



KA-6312



KA-6312A

Universal Bearing Packer

Fast, Efficient, Thorough.
Simply place the bearing between the plastic cones, tighten, and apply grease through the fitting on the end of the threaded shaft. Forces out old grease and evenly injects fresh grease. Cone diameter is 5"

KA-6312

Material: Steel

KA-6312A

Material: POM



KA-6338 Truck Bearing Packer

Suit for packing bearings on light and heavy trucks, tractors etc.
simply place the bearing between the cones, tighten, and apply grease through the fitting on the end threaded shaft. Forces out old grease and evenly injects fresh grease.
Capacity: 6-1/2" (165mm)



KA-1512 Universal Hub Separator



KA-1511 UNIVERSAL HUB SEPARATOR



KA-6662 Long Jaw Bearing Puller

(10-32mm)
 1570A Shaft 400mm L
 1570B Hammer 100mm L
 1570C Attachment 10-14mmØ
 1570D Attachment 15-19mmØ
 1570E Attachment 18-25mmØ
 1570F Attachment 25-32mmØ

- For pulling jobs requiring an internal pull, such as pilot bearings.
- Set includes four collets which fit a wide range of applications. Select the appropriate sized collet by comparing it with the application. Insert the collet, expand it to fit the hole, then attach the slide hammer assembly.



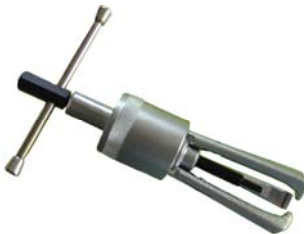
KA-3296 Hydraulic 6" Jaw Locking Puller

- Hydraulic ram 1pc
- Chuck 1pc
- 6" jaw 3pcs



KA-3297 Hydraulic 8" Jaw Locking Puller

- Hydraulic ram 1pc
- Chuck 1pc
- 8" jaw 3pcs



KA-6553 Fast Fit Micro Puller

- For rapid removal of small bearings
- Capacity: 1 ton
- Spread: 19~45mm (3/4" to 1-3/4")
- Reach: 73mm (2-7/8")



KA-2534 3-Jaw Cone-Type Puller

- Reversible jaws allow to handle of both internal and external pulling jobs.
- 3-jaw allows assembly of puller to suit the job at hand.
- Tying the cone on the puller head locks jaws on parts to be removed safely.
- Capacity - Puller reach: 2-7/8"
- 3-jaw spread - Inside: 1-1/2" to 4-3/4"
 Outside: 1" to 4-1/2"



KA-6716 Internal Puller
 15~30mm



KA-6717 Internal Puller
 30~80mm



KA-6718 External Puller
 15~80mm



KA-1401 Pulley Puller

- Removes pressed-on 1 or 2 groove alternator or power steering pulleys
- Also removes alternator bearings
- Designed to allow jaws to be moved into two positions for most size alternators
- Opening: 50mm (2")






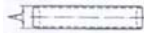

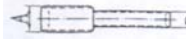



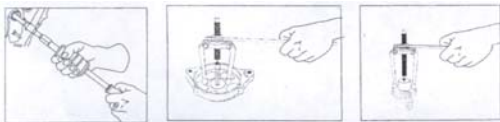
KA-1404 Pilot Bearing Puller (3 Jaw)

Used for removing flywheel pilot bearings on cars, trucks, and tractors where working space is limited. Also very useful impelling bearings, and bushings on motors, generators, starters and magnetos. Steady pull with the screw type puller allows removal without shock to the bearing or housing, thus reducing the possibility of damage.
Capacity: 1/2" - 2"

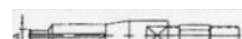







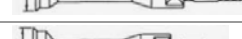

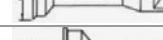
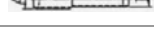

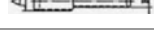


KA-3337K Bearing Puller Tool Kit (8~34mm)

INDICATE	RANGE	
	Min A max 8mm ~ 11mm	
	Min A max 12mm ~ 17mm	
	Min A max 18mm ~ 23mm	
	Min A max 24mm ~ 29mm	
	Min A max 30mm ~ 34mm	
	A size	M10x1.5P
	B size	M8x1.25P
	A size	M10x1.5P
	B size	M6x1.0P

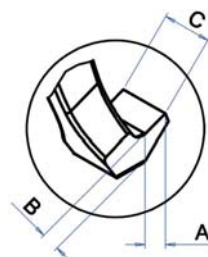
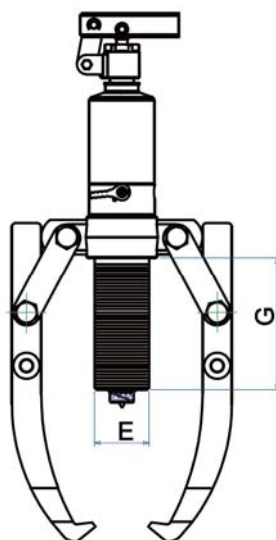
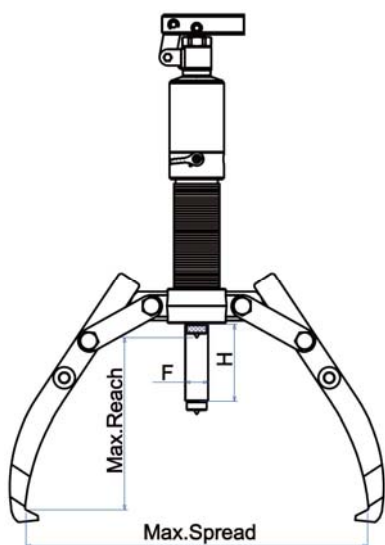


KA-3337KA Bearing Puller Tool Kit (8mm ~ 58mm)

INDICATE	RANGE	INDICATE	RANGE
	Mix A max 8mm~11mm		Mix A max 45mm
	Mix A max 12mm~17mm		Mix A max 50mm
	Mix A max 18mm~23mm		Mix A max 55mm
	Mix A max 24mm~29mm		A size M10 x 1.5P
	Mix A max 30mm~34mm		B size M8 x 1.25P
	Mix A max 35mm		A size M10 x 1.5P
	Mix A max 40mm		B size M6 x 1.0P

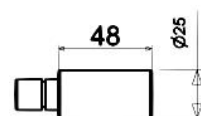
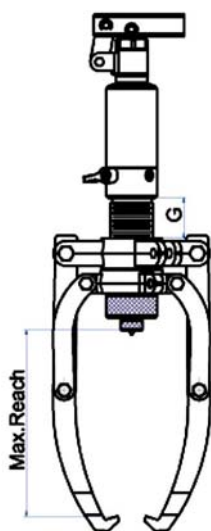
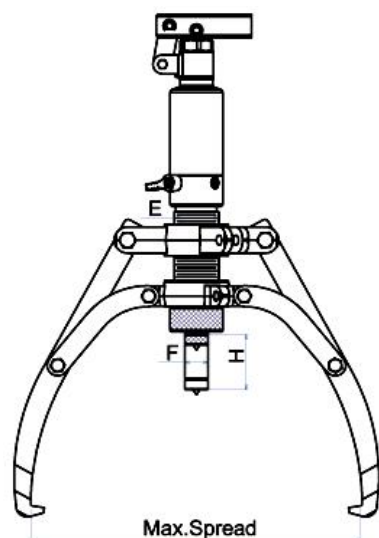


Hydraulic Puller

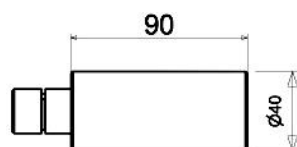


Max. Ton	Item No.	Reach (Max. mm)	Spread (Max. mm)	Stroke(mm)	Jaw Tip (mm)			Pump Tip (mm)			Weight (kg)
				H	A	B	C	E	F	G	
4 Ton	KA-HP-4	185	255	60	11	6	22	42	22	84	4.5
4 Ton	KA-HP-4SD	165	260	55-105	11	6	22	42	25	55	7.2
6 Ton	KA-HP-6	220	330	70	13	10	22	45	23	94	5.5
6 Ton	KA-HP-6IN	165	260	82-130	11	6	22	42	25	85	7.5
6 Ton	KA-HP-6INL	195	300	82-180	11	10	25	42	25	85	8.1
8 Ton	KA-HP-8	230	350	85	11	10	25	50	25	122	6.5
8 Ton	KA-HP-8IN	210	355	82-160	11	10	25	50	28	85	8.6
8 Ton	KA-HP-8INL	240	380	82-240	14	10	29	50	28	85	9.7
12 Ton	KA-HP-10	270	375	85	14	10	29	60	28	118	8.0
15 Ton	KA-HP-15IN	240	380	82-180	14	10	29	60	35	85	11.7
15 Ton	KA-HP-15INL	320	410	82-280	30	28	33	60	35	85	27.1
20 Ton	KA-HP-20	360	520	111	20	27	33	80	40	160	22
30 Ton	KA-HP-25	360	550	111	20	27	38	98	50	155	32

2/3 Way Hydraulic Puller



B1128
Extension Rod for 4, 6, 8 & 12
tons pullers



B1129
Extension Rod for 20 & 30 tons
pullers

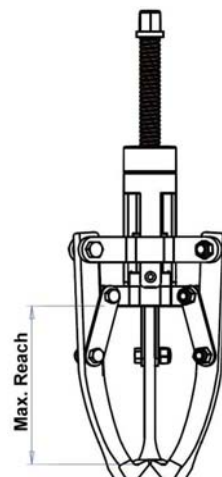
Max. Ton	Item No.	Reach (Max. mm)	Spread (Max. mm)	Stroke(mm)	Jaw Tip (mm)			Pump Tip (mm)			Weight (kg)
				H	A	B	C	E	F	G	
4 Ton	KA-HPE-4	190	315	60	13	10	22	42	22	40	8.0
6 Ton	KA-HPE-6	230	390	70	13	10	22	45	23	50	9.8
8 Ton	KA-HPE-8	280	460	85	13	13	27.5	50	25	70	11.7
12 Ton	KA-HPE-10	300	515	85	15	16.5	29	60	28	70	14.8
20 Ton	KA-HPE-20	325	520	111	20	27	33	80	40	62	25.7
30 Ton	KA-HPE-25	415	520	111	20	27	38	98	50	85	36.0



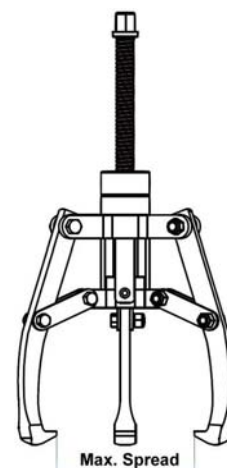
2 Jaw Easy Puller



3 Jaw Easy Puller



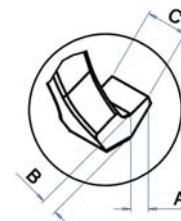
Max. Reach



Max. Spread

2 Jaw Easy Puller

Model No.	Capacity	Max Reach (mm)	Max Spread (mm)	Shaft Diameter	Jaw Tip (mm)			Weight (kg)
					A	B	C	
KA-7618	2 TON	80	120	Ø5/8"x11T	8	6	15	0.9
KA-7620	5 TON	160	250	Ø3/4"x10T	11	10	25	3.1
KA-7621A	10 TON	230	380	Ø7/8"x14T	14	10	29	6.7



3 Jaw Easy Puller

Model No.	Capacity	Max Reach (mm)	Max Spread (mm)	Shaft Diameter	Jaw Tip (mm)			Weight (kg)
					A	B	C	
KA-7617A	2 TON	80	120	Ø5/8"x11T	8	6	15	1.3
KA-7619A	5 TON	160	250	Ø3/4"x10T	11	10	25	3.7
KA-7621	10 TON	230	380	Ø7/8"x6T	14	10	29	8.8

SIMPLE AND EASY PULLING JOB

Equipped with Screw-Operated Jaws, the unique "patent-pending" Easy Pullers are dedicated for the absolute user-friendly and safe dismounting job in the market today. The most simple and efficient design, Screw-Operated jaws enable the users to position the puller on the part quickly and correctly even by one hand operating as well.

USER-CONVENIENTLY:

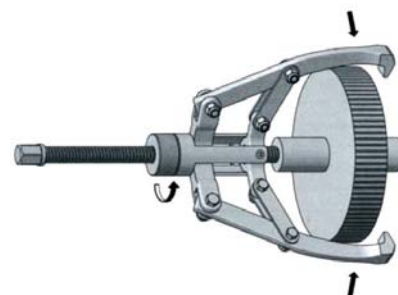
- Absolutely user-conveniently design of screw-operated and self-positioning jaws, locking on the part with just one hand operating only.
- 3 fixed jaws and/or 2 fixed jaws for easily positioning and centring without miss.
- Available in three sizes (3-jaws and 2-jaws type each) with a maximum pulling force of 2, 5 and 10 tons for user's needs.

SAFE:

- Self-locking jaws eliminate the puller jaw slipping off under loading and/or parts dismounted after.

SAVING COST:

- Service life of puller is extended by the forged and durable parts.
- Self-positioning & centring prevent the damage to the shaft as well.
- Conveniently positioning, efficiently pulling save on labor and operating time.





KA-1023 10 Ton 3 Functions Hyd Gear Puller Kit

Functions: A. 3 jaw = 4", 6", 8"

B. separate bearing puller

C. 2 jaw = 4", 6", 8"

Contents:	1023-1 10 ton hyd ram	1pc
	Ø37.7mmx160mmx16T(INCH)	
	1023-2 4" Leg	3pcs
	1023-3 6" Leg	3pcs
	1023-4 8" Leg	3pcs
	1023-5 Twin head	1pc
	1023-6 Triple head	1pc
	1023-7 Sent pop 1"x1-1/4"	1pc
	1023-8 Extension rod 1"x2"	1pc
	1023-9 Extension rod 1"x4"	1pc
	1023-10 Main rod 8"x1.75p	2pcs
	1023-11 Extension rod 8"x1.75p	2pcs
	1023-12 Beam	1pcs
	1023-13 Bearing separator & bolt	1pc
	Capacity:75mm-105mm bolt 5/8" x 18T	
	1023-14 Nut	1pc
	1023-15 Metal Box	1pc



KA-1020 10 Ton Multi Purpose Hyd Gear Puller Kit

Contents:	1020-1 10 Ton hyd ram	1pc
	1020-2 Combination cross head	1pc
	1020-3 Combination leg	3pcs
	1020-4 Steel plate	6pcs
	1020-5 Extension rod 1" x 1-1/4"	1pc
	1020-6 Extension rod 1" x 2"	1pc
	1020-7 Screw nut & washer	6pcs



KA-2507 Mechanical Grip Puller

- 3 Jaw L: 3-1/4" & 5-1/2"
W: 7"
- Capacity: 5 ton



2 Jaw Reversible Gear Puller

KA-6643	3"
KA-6644	4"
KA-6645	6"

3 Jaw Reversible Gear Puller

KA-6646	3"
KA-6647	4"
KA-6648	6"



KA-1422 4 Ways 2 Ton 3" Reversible Two-Jaw Puller

Very versatile puller, designed for maximum safety and utility. Reversible jaws have wide face on one end, narrow face on other.



KA-1854

4 Ways 2 ton 3" Reversible Combination 2 & 3 Jaw Gear Puller

This reversible combination 2 and 3 jaw puller is a 2 jaw and can easily be converted into a 3 jaw puller, which provides a three point grip, thus more stability. A 3 jaw puller is needed where certain clearance problems exist.



KA-1858

8 Ways 5 ton 6" Reversible Combination 2 & 3 Jaw Gear Puller



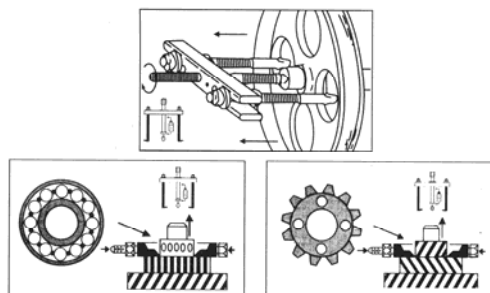
KA-1423

4" Reversible Combination 2 & 3 Jaw Gear Puller



KA-7312K Gear Puller Set

7mm ~ 75mm (9/32" ~ 3")



KA-7313L4 10" Twin-Leg Gear Puller

- ★ Leg Length: 10"
- ★ Leg Claw Width: 8,10mm



1. For pulling the external and internal gear, bearing ...etc.
2. Easily remove internal and external gears.
3. It features Forged-Steel construction, reversible legs, interchangeable cone and flat tips, and includes lubricating oil.

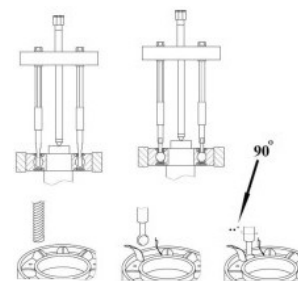
Feature:

- Forged-Steel construction for strength and durability.
- Reversible legs for both internal and external applications.
- Interchangeable cone and flat tips for versatility.
- Lubricating oil included.

Puller Kit

This kits is different from other bearing separators.

When obstruction is round external. And internal DIA. of bearings, it can be used on the confined space to damage the protecting cover of bearing and easily remove bearing.



KA-2578K



KA-2579K



KA-2580K



KA-2578KB



KA-2579KB



KA-2580KB

Model No.	Adjust Range	Bearing Range	Jaw Size
KA-2578K	20 ~ 95mm	6004 - 6010	6 / 4
		6201 - 6206	5.5 / 6 / 8
		6300 - 6304	6 / 8
KA-2578KB	25 ~ 95mm		5.5, 6, 7.5mm x 2
KA-2579K	35 ~ 120mm	6207 - 6211	11 / 12.5 / 15
		6305 - 6308	11 / 12.5
KA-2579KB	40 ~ 110mm	6403 - 6405	11 / 12.5 / 15
			9, 11, 12.5 x 2
KA-2580K	56 ~ 220mm	6021 - 6032	15 / 17.4 / 20
		6212 - 6230	15 / 17.4 / 20 / 25.2 / 30
		6309 - 6321	17.4 / 20 / 25.2 / 30 / 36.4
		6406 - 6417	15 / 17.4 / 20 / 25.2 / 30 / 36.4
KA-2580KB	70 ~ 190mm		16, 19, 22, 25, 28, 32 x 2



Bearing Puller Tool

- This is kind of bearing disassembly tool for amateur cars, electric tools and electric products.

KA-7657 Disassembly out-wheel capacity (35mm-80mm)

Hook length 160mm

Highest loading capacity 1.8ton

KA-7657A Disassembly out-wheel capacity (24mm-55mm)

Hook length 100mm

Highest loading capacity 1.3ton

KA-7657B Disassembly out-wheel capacity (19mm-35mm)

Hook length 50mm

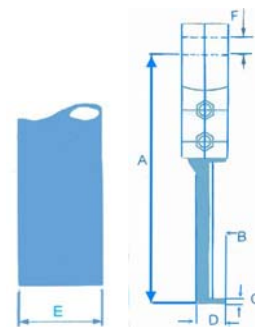
Highest loading capacity 1 ton



2 - Arm Universal Puller

- 1 beam 2-ram
- 2 puller legs
- 1 spindle

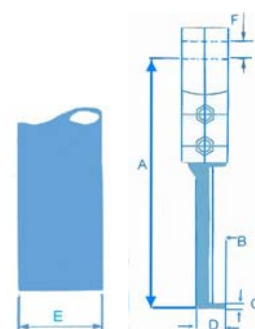
ITEM NO.	A	B	C	D	E	F
KA-7613	100mm	6	2	13	27	7
KA-7615	200mm	6	2	13	27	7
KA-7617	250mm	6	2	13	27	7



2 & 3 - Arm Universal Puller

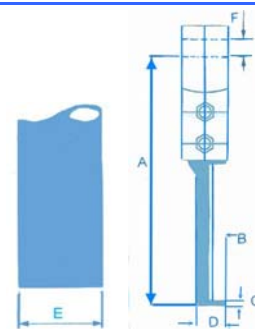
- 1 beam 2-ram
- 1 beam 3-ram
- 3 puller legs
- 1 spindle

ITEM NO.	A	B	C	D	E	F
KA-7606	100mm	6	3.6	13	27	7
KA-7608	200mm	6	3.6	13	27	7
KA-7610	250mm	6	3.6	13	27	7



2 & 3 Arm Universal Puller

ITEM NO.	A	B	C	D	E	F
KA-7607B	150mm	8	5	14	40	7
KA-7609B	220mm	8	5	14	40	7
KA-7611B	300mm	8	5	14	40	7



KA-7619 2-Arm Universal Puller Set

- The puller legs are made in different sizes for narrow spaces.
- Designed to be hung up on workshop walls
- 1 Beam 2 Arms
- 1 Spindle
- Available clamping depth:
 - 2 Puller legs 100mm (Item No: KA-7613L)
 - 2 Puller legs 200mm (Item No: KA-7615L)
 - 2 Puller legs 250mm (Item No: KA-7617L)



KA-7612 12pcs 2 & 3 ARM UNIVERSAL PULLER SET

- The puller legs are made in different sizes for narrow spaces.
- Designed to be hung up on workshop walls
- 1 Beam-2 Arms
- 1 Beam-3 Arms
- 1 Spindle
- Available clamping depth:
 - 2 Puller legs 100mm (Item No: KA-7606L)
 - 2 Puller legs 200mm (Item No: KA-7608L)
 - 2 Puller legs 250mm (Item No: KA-7610L)

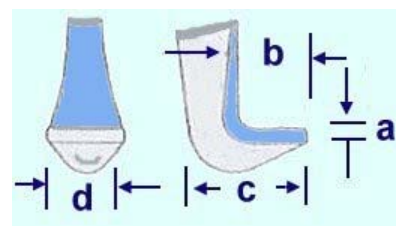
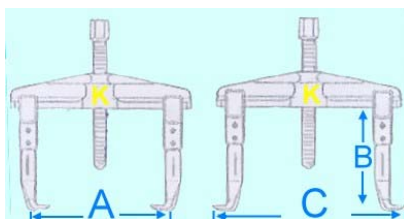


KA-7612A 13pcs 2 & 3 Arm Universal Puller Set

- 2-Arm and 3-Arm puller yoke: spread Ø 40-125mm
- 9 puller legs, reach: 100 - 210 - 255mm
- 2 thrust bolts with 17mm hexagon: 1 x 165mm long, 1 x 280mm long

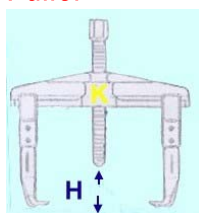


2-Arm Puller



ITEM NO	A min. - max	B mm	C min. - max	Max. Torque NM	Max Capacity		Claw Size			
					ton	kn	a	b	c	d
KA-7620A	25-70	45	--	--	--	--	--	--	--	--
KA-7620B	25-90	100	70-130	80	80	45	3	13	25	20
KA-7620C	25-130	100	80-180	80	80	45	3	13	25	20
KA-7620D	50-160	150	105-220	150	150	65	4	16	35	25
KA-7620E	60-200	150	120-270	150	150	65	4	16	35	25
KA-7620F	80-250	200	160-330	320	320	110	5	25	54	35
KA-7620G	80-350	200	160-420	320	320	110	5	25	54	35
KA-7620H	110-520	200	195-600	360	360	130	5	25	54	35
KA-7620I	170-640	225	260-715	400	400	180	10	33	55	50

Puller



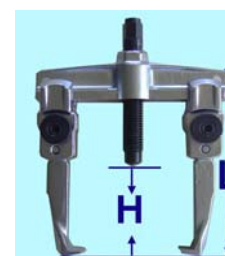
ITEM NO.	A min.-max mm	H mm	C min.-max	Max. torque Nm	Max. Capacity	
					ton	kn
KA-7718A	20-80	85	90-140	80	2	20
KA-7718B	20-120	85	90-180	80	2	20
KA-7718C	20-160	140	130-250	150	6	60
KA-7718D	20-200	140	130-290	150	6	60
KA-7718E	25-250	170	180-380	320	15	150
KA-7718F	25-350	270	180-480	320	15	150

Spare Legs

■ Supplied individually without mounting pins.



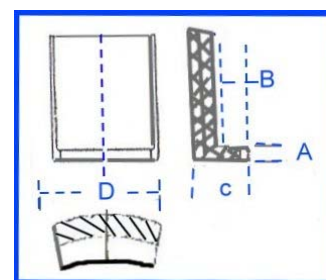
ITEM NO.	MODEL			H mm	L mm
	T2	T6	T15		
KA-7719-1	•			85	125
KA-7719-2	•			185	225
KA-7719-3	•			235	275
KA-7719-4		•		140	185
KA-7719-5		•		280	335
KA-7719-6			•	170	250
KA-7719-7			•	270	315
KA-7719-8			•	370	445
KA-7719-9			•	470	545





KA-7622 2 Wide-Legs Puller

- Capacity: Ø40mm to Ø180mm
- Reach 245mm
- Max. Pulling Force 70 Kn



Puller

2-arm with sharp pointed claws to be used in confined areas.
The edged claws are sharp pointed

ITEM NO.	mm	mm	Max. Torque Nm	Max Capacity Ton Kn	A	B	C	D
KA-7623A	6-100	70-85	45	2.5 25	2.5	4.5	8.5	23
KA-7623B	10-140	85-120	65	2.5 25	3.5	5	11	31
KA-7623C	15-140	125-155	75	4.5 45	3.5	5	11	31



Puller

2-arm with sharp pointed claws to be used in confined areas.
The edged claws are sharp pointed

ITEM NO.	mm	mm	Max. Torque Nm	Max Capacity Ton Kn	A	B	C	D
KA-7624A	6-100	70-85	18	1.0 10	2.5	4.5	8.5	11
KA-7624B	10-140	85-120			3.5	5	10	
KA-7624C	15-140	125-155	50	2.5 25	3.5	5	11	12



KA-7625 Puller / Remover

- Puller grips crankshaft pulley grooves firmly.
- Puller Capacity: Ø130mm to Ø156mm
- Groove pitch 3.56mm



KA-7626A Farm and Shop Pullers With 8 Multi-Purpose Jaws

Jaw Type				
A	80mm	3-1/8"	Short, broad jaws with slots for cap screws: used for pulling off parts with tap holes	
B	120mm	5"	Medium-length, broad jaws with sharp talons	
C	180mm	7-13/16"	Long, broad jaws with sharp talons	
D	180mm	7-13/16"	Long, slender jaws for inside pulling and working in confined spaces	



KA-7723K General Engineering Kit

■ A complete set for normal pulling power for all general engineering applications

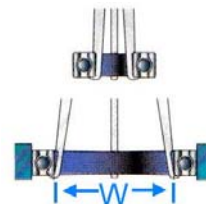
Features:

1. Wide-legged outside pullers KA-7622 40~180mm
2. Bearing inside puller 32~70mm
3. Beam
4. 30 ton Jack KA-7725
5. 15pc spreaders



Inside Pullers

Item no.	mm	mm
KA-7627A	23 - 130	140
KA-7627B	50 - 170	190



Outside Pullers

Item no.	mm	mm
KA-7628A	7 - 140	147
KA-7628B	10 - 180	200
KA-7628C	20 - 260	250



KA-2073 2 & 3 LEG Gear Puller & Bolt Type Puller Set

- Size: 30~125mm (2 Leg)
30~100mm (3 Leg)
- Plate Size: W150 x D145 x H15mm
- Leg Size: L150mm x W16 x D14 x T4~8mm
- Center Bolt: 150mm
- Bolt Size: 3/8-16 x L180mm -3pcs
5/16-18 x L80mm -3pcs
M8-1.25 x L80mm -3pcs
M10-1.5 x L80mm -3pcs



2 LEG Type



3 LEG Type



Bolt Type



KA-7632 Counter Stays

To obtain firm connection between extractor and pulling device center screw of pulling device is screwed into nut of extractor.







KA-7633 Counter Stays

To obtain firm connection between extractor and pulling device center screw of pulling device is screwed into nut of extractor.



Mechanical Puller



for separators and thread adaptors

ITEM NO.	 mm	 mm	ITEM NO.	 mm	 mm
KA-7634A	100	110	KA-7634E	260	260
KA-7634B	130	110	KA-7634F	355	260
KA-7634C	165	185	KA-7634G	530	260
KA-7634D	205	185			



Hydraulic Puller





for separators and thread adaptors

ITEM NO.	 mm	 mm
KA-7635A	165	185
KA-7635B	205	185
KA-7635C	260	260
KA-7635D	355	260
KA-7635E	530	260



Mechanical Puller



for separators and thread adaptors

ITEM NO.	 mm	 mm	ITEM NO.	 mm	 mm
KA-7636A	45-110	110	KA-7636D	85-295	315
KA-7636B	55-140	155	KA-7636E	120-350	305
KA-7636C	60-215	200	KA-7636F	140-435	320



Hydraulic Puller

for separators and thread adaptors

ITEM NO.	 mm	 mm
KA-7637A	60-215	200
KA-7637B	85-295	315
KA-7637C	120-350	305
KA-7637D	140-435	320



KA-7629 Steering Arm Puller

For the removal of steering arm gears, ball bearing etc. clamping device will press legs securely behind parts to be withdrawn. especially for inner rings of wheel bearing at the front axle of VW



KA-7630 Steering Arm Puller

For the removal of steering arm gears, ball bearing etc. Clamping device will press legs securely behind parts to be withdrawn. Especially for extracting the inner bearing ring at VW-Audi cars.



2 Arm Standard Puller

ITEM NO.	mm	mm	Claw size mm			
			a	b	c	d
KA-7631A	15 - 85	100	3	12	22	22
KA-7631B	15 - 125	100	3	12	22	22
KA-7631C	20 - 160	150	4	18	30	29
KA-7631D	20 - 200	150	4	18	30	29
KA-7631E	40 - 250	200	6,5	23	43	38
KA-7631F	40 - 350	200	6,5	23	43	38
KA-7631G	40 - 530	200	6,5	23	43	38



KA-7638 2-Arm Counter Stay Device Set

With: thread adaptor of one each
M4, M5, M6, M8, M10, M12
LEGS: L-130mm
Spindle: L-150mm
↔ 35-75mm



KA-7639 2-Arm Counter Stay Device Set

With: thread adaptor of one each
M8, M10, M12, M14, M16, M18
LEGS: L-185mm
Spindle: L-200mm .
↔ 60-130mm



KA-7640 2-Arm Counter Stay Device Set

With: thread adaptor of one each
M14, M16, M18, M20, M22, M24
LEGS: L-300mm Spindle: L-300mm
↔ 60-210mm



Thread Adaptors Set

KA-7641A – M4, M5, M6, M8, M10, M12

KA-7641B – M8, M10, M12, M14, M16, M18

KA-7641C – M14, M16, M18, M20, M22, M24

Each set consists of 1 pair of thread adapters per kind of thread as well as 1 pair of connecting nuts for being fixed to the pulling bolt.



Hydraulic Presses

ITEMNo.	Max. torque	Stroke mm	Max. capacity
KA-7646A	60Nm	8	8 ton
KA-7646B	70Nm	12	15 ton



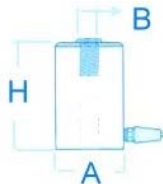
KA-7724 120 -Tonne Jack With Mechanical Screw

- Travel 15 mm.
- Shear-pin rating 550 Nm.
- Plunger Ø 80 mm. Bore Ø 47 mm.
- Head height 105 mm. Length 500 mm.
- Force = 120 tonnes.
- 36 mm hexagonal screw.



KA-7725 30-Tonne Jack With Mechanical Screw

- Travel 5 mm.
- Shear-pin rating 110 Nm.
- Supplied with 2 shims 25 and 50 mm.
- Plunger Ø 33 mm.
- Length 260 mm, head height 35 mm.
- Force 30 tonnes.
- 19 mm hexagonal screw.



UWG Hollow jacks

- For use with pullers.
- Plunger with tapped through-hole to take a centre screw for pressure or pulling applications.
- Actuated by 700 bar pump.
- Caps clip into plunger, allowing use as lifting jack.

ITEM NO.	Force KN	Travel mm	H mm	A mm	B mm	Oil capacity cm ³
KA-7726A	200	50	160	100	23.8	141.5
KA-7726B	300	60	177	115	29.0	257.4

Centre Screw For UWG Jacks

ITEM NO.	Length mm	Hexagonal Drive	Ø mm
KA-7727A	590	21	27x300
KA-7728B	780	25	33x350





Puller With Yoke Special-Purpose Legs For Gearbox Bearings

KA-7651

↔ 10-85mm ↑ 120mm

KA-7652

↔ 10-85mm ↑ 180mm



KA-7654 Separating Puller

For a wide range of applications in which ordinary pullers would not be suitable. With particularly space-saving arms for work in confined spaces.



40 - 145



270



KA-7653 Puller Sets

- KA-7634B 1 Pulling Unit

Mechanical: ↔ 130mm, ↑ 110mm

- 1 Pair Extensions

Extensions: Length 100mm

- 1 Separator

Separators with pressure beam: Opening 12-75mm



Special Steering Wheel Puller

- For Opel, Ford and many other cars.
- Long and short pulling arms.
- Long pulling arm. Length: 135mm
- Short pulling arm. Length: 87mm
- ↔ 90mm max

KA-7650

puller surface: Black Finished

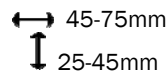
KA-7650A

puller surface: Chrome Finished

KA-7648K Expansion Type Puller Kit

Contents:

- 2pcs counter stays
KA-7642A & KA-7642C
- 7pcs internal extractor
KA-7643D, KA-7643F, KA-7643I KA-7643J
KA-7643K, KA-7643M KA-7643Q
- 1pc KA-7645 pulling chuck
- 1pc battery term puller KA-7620
- 2pcs universal puller
KA-7620A 20~90mm
KA-7620C 50~160mm



KA-7649K Universal Puller Kit

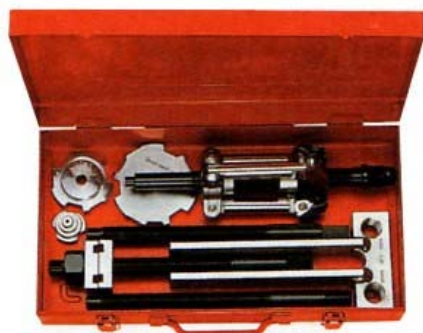
Contents:

- 2pcs universal-puller
KA-7620A 20~90mm
KA-7620C 50~160mm
- 2pcs pair extended-leg
KA-7621-3 200mm
KA-7621-7 300mm
- 1pc hydraulic press KA-7646B 15TON
- 1pc separator 35~115mm



KA-7689 Puller And Beam Kit

- Comprising:
 - 1 puller
 - 1 beam
- Spread Ø 70 to Ø 160 mm



KA-7690 Beam For Pullers

For pullers KA-7691 & KA-7721K



KA-7691 Puller

- Spread Ø 70 to Ø 160 mm.
- Spreader application sizes:
 - 70~100 mm
 - 100~136 mm
 - 130~160 mm



KA-7692 Hydraulic Screw

- Force 100 kN.
- Thread length 300 mm.
- Plunger travel 14 mm



KA-7693 Hydraulic-Screw Outside Puller

- Force 100 kN.
- Min./max. spread 15/250 mm.
- Reach 250 mm.
- Supplied with 3 long legs.



KA-7694 Puller With Yoke

- min-max: 10~150 mm
- 160 mm
- 60 kN



KA-7695 High-Capacity Puller

- Min./max. spread 30/460 mm.
- Reach H 360 mm.



Pullers With 2 Slim Legs

- Puller with 2 slim legs and self-gripping spring mechanism.
- Designed for battery terminals.

KA-7739A W: 0-35 mm H: 40 mm

KA-7739B W: 0-45 mm H: 60 mm



KA-7750K 2pcs Flange Spreaders

These flange spreaders allow for fast and safe detachment of the DIN flange on pipings, e.g. when defective seals need to be replaced.

- 1 piece of flange spreader
- 2 piece of claws
- 1 piece of spindle with wedge - M24 x 1.5



KA-7697 Slide Hammer

- Thread M22 x 200.
- Length 760 mm.



KA-7700 Slide Hammer

- Thread M16 x 200.
- For use with pullers.
- Length 660 mm



KA-7701K General Engineering Puller Kit

- For bearings Ø 18 to 50 mm.
- Comprising:
 - 4 expansion pullers.
 - 1 slide hammer.



KA-7702K Light-Engineering Puller Kit

- For bearings Ø 6 to 18 mm.
- Comprising:
 - 4 expansion pullers.
 - 1 slide hammer.



KA-7703K "High-Force" Puller Set

- For bearings Ø 30 to 60 mm.
- Comprising:
 - 3 expansion pullers.
 - 1 beams.



KA-7704K Puller Kit

- Comprising:
 - 1 beam puller FT-079-40-110B
 - 1 separator
 - 8 sets of male adaptors threaded M4-M5-M6-M8.
 - 2 female adaptors.
- Separator capacity Ø 5 to Ø 60 mm.
- Beam spread Ø 40 to Ø 110 mm.
- Max. reach 180 mm.



Self-Gripping Pullers

- Spread 80, 150, 200 mm.
- Chrome finish.
- Can be used with slide hammer.

KA-7736A 80mm

KA-7736B 150mm

KA-7736C 200mm



Self-Gripping 3-Leg Pullers

- Range of pullers spreads of 80, 150, 200 mm.
- Chrome finish.
- Spare legs and accessories.
- Can be used with slide hammer.

KA-7737A 80mm

KA-7737B 150mm

KA-7737C 200mm



3-Leg Pullers

KA-7738A Short-reach Puller

- Spread Ø 25 mm to Ø 170 mm.
- Effective length 160 mm.
- Shear pin prevents torque exceeding allowable limit.

KA-7738B Long-reach Puller

- Spread Ø 25 mm to Ø 260 mm.
- Effective length 280 mm.
- Shear pin prevents torque exceeding allowable limit.



KA-7746 Light-Engineering Set

- 1 outside puller
- 4 expansion pullers 6 to 18 mm.
- 1 beam puller



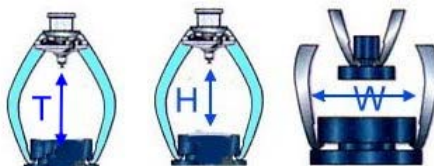
KA-7747 Inside/Outside Puller Kit

- Comprising:
 - 1 puller
 - 3 inside legs
 - 2 puller accessories
- Spread:
 - outside Ø 7 to Ø 140 mm
 - inside Ø 23 to Ø 130 mm
- Reach 140 mm



KA-7740 Hydraulic Outside Puller

- Force 20 ton.
- Includes 3 outside-gripping legs and hollow jack with screw.
- W min-max: 100-360 mm, H: 265 mm, T: 200 Kn



KA-7741 Hydraulic Outside Puller

- Force 30 ton.
- Includes 3 outside-gripping legs and hollow jack with screw.
- W min-max: 100-530 mm, H: 395 mm, T: 300 kN



KA-7742 Outside Puller

- Force 20 ton.
- 3 outside-gripping legs.
- Complete with screw extension.
- W min-max: 100-360 mm, H: 400 mm, T: 200 kN



KA-7743 Outside Puller

- Force 30 ton.
- 3 outside-gripping legs.
- Complete with screw extension.
- W min-max: 100-530 mm, H: 550mm, T: 300 kN



KA-7713 Hub-Nut Protractor Socket

FIAT Croma/Tempra, LANCIA Thema

- 3/4" square drive.
- 36 mm 6-point.



KA-7744 Bearing Extractor Set (Universal)

For pilot bearings, generator bearings, etc. With range from 10 - 30 mm diameter.

Application: For passenger cars and trucks (lorries)

The collets are manufactured from a special high grade steel to ensure proper functioning of the tool.

Consists of:

- Spreader 5 mm
- Spreader 6 mm
- Slide Weight
- Jaws 10 mm
- Jaws 12 mm
- Jaws 15 mm
- Jaws 17 mm
- Jaws 20 mm
- Jaws 25 mm
- Jaws 27 mm
- Jaws 30 mm

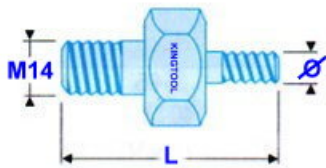


KA-7745 Guide Sleeve Puller

Guide sleeves can be pulled out and knocked in without incurring any damage. The puller works on the principle of an internal collet chuck.

In engine and gearbox engineering, so-called guide sleeves are used for accurate fixing of the housing halves. These guide sleeves should therefore not be installed or removed with tongs or a hammer.

- Slide hammer
- Internal collet chuck Ø 5 mm
- Internal collet chuck Ø 6 mm
- Internal collet chuck Ø 7 mm
- Internal collet chuck Ø 8 mm
- Internal collet chuck Ø 9 mm
- Internal collet chuck Ø 10 mm



Beam Puller Accessories

Male Adaptors

ITEM No.	Ø mm	L Mm
KA-7710A	4	33.5
KA-7710B	5	35.5
KA-7710C	6	36.5
KA-7710D	8	39.5
KA-7710E	10	42.5
KA-7710F	12	46.5
KA-7710G	14	48.5

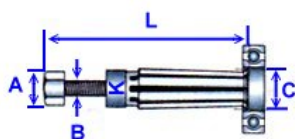


Female Adaptors To Fit Male Adaptors

ITEM No.	Ø mm
KA-7711A	10
KA-7711B	16
KA-7711C	1/2

Expansion Pullers

- More impact-resistant and durable.
- Multiple blades, more flexible and less prone to deformation.
- Easier to use.
- Increased spread.



ITEM No.	C mm (min)	C mm (max)	L mm (max)	A mm	B mm
KA-7712A	6	8	76	12	M8
KA-7712B	8	10	76	12	M8
KA-7712C	10	13	88	12	M8
KA-7712D	13	18	100	12	M8
KA-7712E	18	22.5	112	17	1/2"
KA-7712F	22.5	30	139	17	1/2"
KA-7712G	30	38	158	22	1/2"
KA-7712H	38	50	190	1-1/4"	1/2"
KA-7712I	50	60	190	1-1/4"	1/2"
KA-7712J	70	110	169	10	G 3/8"



KA-7716K Ball Race Extractors

Schedule of 46 commonly used ball races with extractor sizes to fit.



KA-7717K Ball Bearing Extractor Sets

- Extractors
- Sets of Pulling Legs
- Supporting Pin



KA-7714 Deep-groove Ball Bearing Tool Set

- 2 extractor
- 5 sets of arms
- 1 set of spacer rings (13 ea.)



KA-3923 Fuller Transmission Yoke Puller

Removes truck transmission output shaft end yokes. Supplies 10 tons of mechanical force.

Forcing screw: 3/4" UNF x 11-1/2"(290mm) long



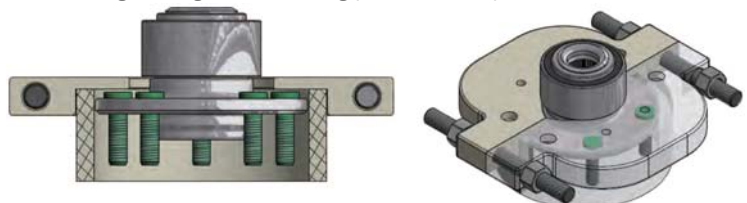
KA-3925 Push-Puller

The Push-Puller is designed to quickly remove or install gears, bearings, pulleys, couplings, sprockets, shafts, and other press-fitted parts without damage to the part. A variety of adapters, attachment, and legs may be used with the push-puller to apply either pushing or pulling force.



KA-1066 Wheel Bearing Tool

- Tool designed for removing and installing front wheel bearings on Ford, Mazda and Volvo.
 - Ford: Focus(2004-), C-Max(2003-2007 and 2007-)
 - Mazda 3(BK) 1.4, 1.6, 1.6DI Turbo(2003-)
 - Volvo C30(2006-), C70 Cabriolet(2006-), S40(2004-), V50(2004-)
- Tool works as a stabilizing seat to remove or install wheel bearing without causing scratches on the knuckle and bearing or deforming the wheel bolts.
- The height of the wheel hub holders are specially designed to prevent the wheel bolts from being damaged while being pressed on a press machine.





KA-3957 Ball Bearing Extractor Set

With four line sliding hole circle plate O.D. dia. 100mm
M8 x 100mm x 3pcs
M8 x 150mm x 3pcs



KA-3950 Ball Bearing Extractor Set

- Using the ball bearing extractor, the removal of shaft-mounted ball bearings in a housing is now possible without any problems.
- Due to its great degree of functionality combined with the simplified handling, this novel design makes a PLUS in effectiveness and productivity possible.
- This tool is distinguished by its extreme user-friendliness: The hooks are fixed in the slot.
- The self-locking arrangement means that the force applied is 100% utilised. Secure at all times against slipping off - and a straight pulling force for precise working.



KA-6350 Balancer Puller / Installer Instructions

- For easy removal of most harmonic balancers and drive pulleys which are press-fitted onto the crankshaft. A bearing-centered circular 2/3-way and an assortment of metric and fractional bolts and adapters provide wide coverage.
- A heavy-duty, 3/4" dia. Forcing screw is internally threaded to fit the eight adapters to install harmonic balancers. Adapter sizes included: M16x2.0, M14x1.5, M12x1.5, 3/4"-16, 5/8"-18, 9/16"-18, 1/2"-20 and 7/16"-20.
- A blow-molded plastic storage case keeps set contents organized and protected from loss.



KA-6350A Master Harmonic Balancer Puller Replacer Set

A professional tool set for balancer replacement. includes eight imperial and metric adaptors, plus an end cap adaptor.

- Built-in bearing makes balancer replacing job easy and damage-free.
- 4-slot puller plate plus 9 threaded adapters to balancers on most engines.
- Special 1/4" shoulder bolts and a 2" extension piece are included to suit Holden 3800cc V6 Commodore engines. The pulling plate, fitted with its needle race thrust bearing removes or replaces the pulley by the position of the thrust nut.
- Includes five sets of three fixing bolts: 2x1/4"UNF, 5/16"UNC, 3/8"UNC, 3/8"UNF
- Installing Adaptor Sizes: 7/16", 1/2", 9/16", 5/8" & 3/4"UNF 12x1.5mm, 14x1.5mm & 16x2.0mm



KA-6350B



KA-6687 Miscellaneous Harmonic Balance Installer

Includes eight adapters for use on a wide range of engines. Adapters sizes are 7/16"-20, 1/2"-20, 9/16"-18, 5/8"-18, 3/4"-16, M12x1.5, M14x1.5 and M16x2.0.



KA-7036 Pulley Puller Instructions

(For puller removing & installing)



KA-1008 9pcs Harmonic Balancer Puller

Yoke 1 Piece (Ductile)

Bolt 1 Piece (Ø15.5mm x L 140mm x 11t/inch)

Adapter 1 piece

Screw

3 Pieces 3/8" x 24NF x 3"

3 Pieces 3/8" x 16NC x 3"



KA-1009 9pcs Harmonic Balancer Puller

Yoke 1 Piece (Drop Forge Carbon Steel)

Bolt 1 Piece (Ø10.9mm x L 125mm x 12t/inch)

Adapter 1 piece

Screw

2 Pieces 5/16" x 24 x 3"

2 Pieces 3/8" x 16NC x 3"

2 Pieces 5/16" x 18NC x 3-1/2"



KA-1018 18pcs 2-In-1 Harmonic Balancer Puller

Yoke 1 Piece (Big Ductile)

Yoke 1 Piece (Small Drop Forged)

Bolt

1 Piece (Ø15.5mm x L 140mm x 11t/inch carbon steel)

1 Piece (Ø10.9mm x L 125mm x 12t/inch)

Adapter 2 piece

Screw

2 Pieces 5/16" x 24 x 3"

2 Pieces 3/8" x 16NC x 3"

2 Pieces 5/16" x 18NC x 3-1/2"

3 Pieces 3/8" x 24NF x 3"

3 Pieces 3/8" x 16NC x 3"



KA-7307 37pcs Bolt-Type Puller Set

- Designed for use on harmonic balancers, crank shaft pulleys, steering wheels and gear pulleys.
- Can be used on tapped holes or on flywheels from electric and 2-cycle motors.



KA-1013A

13pcs Harmonic Balancer Remover

- 2 of 3/8" x 16 x 4"
- 3 of 5/16" x 18 x 2"
- 3 of 3/8" x 24 x 2"
- 2 of 10mm x 1.5 x 3"
- Small pointed tip
- Flat tip
- Long center bolt
- Yoke



KA-1013

Packing: Slide Card



KA-1046 46pcs Harmonic Balancer Remover & Replacer Set

- For removal and installation of harmonic balancers on most automotive and light truck applications.
- Master set includes necessary bolts and adapters for most applications.
- Bilingual instructions
- Replacement parts available
- Cap screws can be positioned to handle bolt-circlediameters from 1-1/2" to 4-5/8" includes 3 each of the following cap screw sizes: 1/4"-28x3", 3/8"-24x1-1/2", 3/8"-16x2", 3/8"-16x3", 3/8"-16x4-1/2", 5/16"-24x3", 5/16"-18x3-1/2", 5/16"-18x6, M8x1.25x45mm, M8x1.25x65mm, M8x1.25x65mm, M8x1.25x90mm, M10x1.5x35mm



KA-8347 Puller For Ribbed Drive Pulley

- Universal design for clamps onto any ribbed pulley.
- This tool can use for crankshafts, alternators, air conditioning units and water pumps.



KA-3043 4-WD Spindle Puller Remover

Puller (first spindle thread size 2" - 16, 1-5/8" - 16, 38mm - 1.5) * 141mmL



KA-2908K Universal Pulley Puller Set

- For pulling and installing of belt pulleys at power steering pumps, generators, fan wheels, etc.
- 2 cross beams: 140 mm and 230 mm long.
- 2 pairs of straight pullers: length 60 mm and 110 mm.
- 1 pair of specifically formed pullers: length 60 mm.
- All pullers and cross beams can be combined.



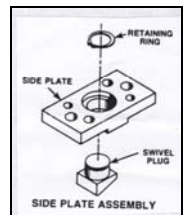
KA-6693K U-Joint Service Set

(For Spicer and Rockwell Universal Joints)

This service tool removes stubborn, corroded bearings easily, without damaging U-joint components, even in limited space. The tool applies up to 7 tons of force to separate yoke assemblies and remove bearings. U-joint service tool is far superior to sledgehammer methods.

- Works on Meritor 16N, 17N, 18N, and 1710 series.
- Includes plastic storage box, No.1036 2-jaw puller, and instructions.

Content: 93K-1 Puller, 93K-9 Leg(5/16-24 UNF), 93K-10 Journal Caps, 93K-3 Side Plates Assy, 93K-11 Bridge Plate, 93K-8 Leg(3/8-24 UNF), 93K-5 Retaining Ring, 93K-2 Journal Caps(1800), 93K-6 Swivel Plug, 93K-7 Leg(7/16-20 UNF), 93K-4 Side Plate, 93K-12 Cap Screw (7/16-20 UNF)



KA-3960 Universal Puller Set For Wheel bearing Cage

3 arm design for better Gripping under the smallest work column, and evenly of consistent force apply to gripping the bearing ring.

To turn the spindle to engaged bearing shell and remove it safely.
Delivery: puller arms and spindle clamp chain wrench SW6

Technical data:

- Spindle Length: 200 mm
- Spindle M20 x 1.5
- pressure mushroom Ø : 34mm insert secured with o-ring
- Arm width: 27mm
- Off length: 98mm
- Weight: 2642g



Feature:
Improved & Matched the
Steering Bearings better!!

Strengthen Occlusion !
Labor Saving !



KA-4516UL Universal 3-Jaw Bearing Remover

Saves time! Fit Bearing Well! Evenly Distribute the Force

- Special Designed to disassemble the bearing internal shell.
- Made with Conical Tension Screw to evenly distribute the tension force in right proportion.
- Self-Centering Jaw Puller
- Central Adjustment Screw for different radii.
- Great for Confined Spaces.
- Extremely Robust Spindle with Inductively Hardened Thread.
- Made with High-Grade Steel.

Specification:

- Range: 10-125mm
- Jaw Length: 96mm
- Screw: M20 x 1.5 x 235mm
- Weight: 4 kg



Use with Open-End Wrench
to increase the Point to
Make Turning easier!!



KA-4030 Expansion-Type Puller Kit

Contents:
7- Internal Extractors
2- Pullers: Large & small
1- Sliding Hammer



KA-4031 Expansion-Type Puller Kit

Contents:
10- Internal Extractors
1- Pullers: Small
1- Sliding Hammer



KA-3113K Sockets For Ball Bearing Nuts Inner Teeth

Part No.	⊙	↔
KA-3113-1	10 x 0.75	60
KA-3113-2	12 x 1	60
KA-3113-3	15 x 1	60
KA-3113-4	17 x 1	60
KA-3113-5	20 x 1	60
KA-3113-6	25 x 1.5	60
KA-3113-7	30 x 1.5	60
KA-3113-8	35 x 1.5	60
KA-3113-9	40 x 1.5	60
KA-3113-10	45 x 1.5	60



KA-3112K Sockets For Ball Bearing Nuts Outer Teeth

Part No.	⊙	↔
KA-3112-1	10 x 0.75	60
KA-3112-2	12 x 1	60
KA-3112-3	15 x 1	60
KA-3112-4	17 x 1	60
KA-3112-5	20 x 1	60
KA-3112-6	25 x 1.5	60
KA-3112-7	30 x 1.5	60
KA-3112-8	35 x 1.5	60
KA-3112-9	40 x 1.5	60
KA-3112-10	45 x 1.5	60
KA-3112-11	50 x 1.5	60



KA-3726 Socket For Ball Bearing Nuts Inner Teeth

- For gentle removing and installing Din 981 KM locknut
- 1/2" drive, length 60mm
- 3/4" drive, length 68mm

1/2": KM 4, 5, 6, 7, 8
3/4": KM 9, 10, 11, 12



KA-3726A Socket For Ball Bearing Nuts Outer Teeth

- For gentle removing and installing Din 981 KM Locknut
- 1/2" drive, length 60mm
- 3/4" drive, length 68mm

1/2": KM 4, 5, 6, 7, 8
3/4": KM 9, 10, 11, 12





KA-3637 Suspension Bush Tool

- Volkswagen Polo 2002
- Special tool for replacing the front suspension bushes on Volkswagen Polo from 2002 onwards. Replacements are available for the Bolt and Bar which are considered consumable.



KA-3990 Subframe Bush Remover (Ford mondeo)

A specially designed tool for removing and installing the rear subframe on a ford mondeo



KA-2043 Rear Sub-Frame Bush Tool – BMW 5 Touring

- Bush replacement tool for use on rear axle carrier bushes(33311094036) as used on BMW 5 series touring models(E38/E39)
- The tool features a fine pitch thread and thrust bearing to enable the rear sub-frame bush to be removed/inserted – without removing the rear sub-frame assembly from the vehicle



KA-2044 Rear Sub-Frame Bush Tool – BMW X5

- Bush replacement tool for use on rear axle carrier bushes(33311093662) as used on BMW X5 series models
- The tool features a fine pitch thread and thrust bearing to enable the rear sub-frame bush to be removed / inserted – without removing the rear sub-frame assembly from the vehicle



KA-2045 Rear Sub-Frame Bush Tool – BMW E39 5 Series

- Bush replacement tool for use on rear axle carrier bushes(33311091422) as used on BMW E39 5 series saloons
- The tool features a fine pitch thread and thrust bearing to enable the rear sub-frame bush to be removed / inserted – without removing the rear sub-frame assembly from the vehicle



KA-2047 Track Control Arm Bush Tool

Fine pitch thread with thrust bearing enables the rear bush to be removed from the front track control arm on VW Polo III / Skoda Fabia / Seat models



KA-2048 Rear Axle Bush Tool – Ford Fiesta

- Remove / Install Fiesta IV rear axle mounting bushes
- Can be used in situ –no need to remove trailing link assembly from vehicle
- Applications: Ford Fiesta IV 1996 on wards



KA-2049 Bush Removal Tool – Ford Mondeo

- Remove / Install rear sub-frame bushes on Mondeo
- Can be used in situ – no need to remove sub-frame from vehicle
- Applications: Ford Mondeo 2001 on wards



KA-2052 Rear Trailing Arm Bush Tool – BMW 3 Series

- For the easy removal and insertion of the rear trailing arm bushes(33321097009) as fitted to BMW 3 series models –E36, E46 & E46 compact.
- Suitable for removing ORIGINAL BUSHES and removing & installing NEW STYLE “SLOTTED” bushes(33321097009) –in situ without removing the rear trailing arm.



KA-2053 Rear Ball Joint Tool – BMW 5 & 7 Series

- For the easy removal and insertion of the press fit rear suspension joints(33326767748) as fitted to BMW E39 5 series & E38 7 series models.
- Designed for using in situ –on the vehicle.



KA-3709 Rear Axles Bush Remover / Installer

Application range: VW Polo, Fox, Seat Ibiza, Cordoba Y Skoda Fabia ref.
OEM: T10030, T30035, 3301 Y 473



KA-3671 Wheel Hub Removal and Installer Tool Set

For removal and installation wheel hub / bearing unit for the **VW T5** Transporter.

Contents:

- Cross beam with threaded ring.
- 2pcs - Tension bar set
- 2pcs - Half shell mount
- 2pcs - Half shell set. Removal.
- 2pcs - Half shell set. Installation.
- Pressure piece removal.
- Pressure piece installation.
- Trapezium threaded spindle with 2 x thrust bearing + nut.
- Special spindle grease.



KA-3674A - Ø 72mm



KA-3674B - Ø 66mm



KA-3675 - Ø 62mm

Half Shell Coupling Bearing

- For the new VAG models with wheel housings/hub unit.
- Required for the correct installation.
- Fast & Efficient - faster execution at workshop press than at the vehicle ideally suited for Wheel bearing diameters 72 mm (15" -undercarriages).
- The extension of the wheel housing takes place by means of the available workshop facility.
- 3pcs fixing screw for half shell.

	Color	Wheel bearing diameter	Fixing screw (3pcs)	Application
KA-3674A	Black	Ø 72mm	M14 x 1.5	VW Polo, Skoda Fabia
KA-3674B	Chrome	Ø 66mm	M14 x 1.5	Audi A2, Skoda Fabia, VW Polo, Fox, Seat Ibiza
KA-3675	Anodized	Ø 62mm	M12 x 1.5	VW Lupo, Audi A2 1.2L



KA-3672 15pcs Wheel Bearing Tool Set for VAG

- For the new VAG models with wheel housings/hub unit.
- Required for the correct installation.
- High time saving - faster execution at workshop press than at the vehicle.
- Ideally suited for Wheel bearing diameters 62 mm / 66 mm / 72 mm (13" , 14" , 15" -undercarriages).
- The extension of the wheel housing takes place by means of the available workshop facility.
- Application range: VW-Polo new, Audi A2, Skoda Fabia, Seat Ibiza



KA-3673 Wheel Hub Tool Set

- For compact wheel hub
- Bearing unit Ø 72mm

Advantages:

- Professional fitting direct on the vehicle (removal with existing wheel hub extractor or universal sliding hammer).
- Minimum working effort - high time saving.
- Simple and safe handling.
- Can also be optionally used with a workshop press.
- Possible extensions for bearing unit Ø 62+66mm ,Due to the modular system
- Application range: Audi A2 ,Skoda Fabia , VW Polo ,FOX, Seat Ibiza



KA-3673A Compact Wheel Hub Tool Set

- Tool set for compact wheel hub.
- Bearing unit,
- Bearing unit Ø 78mm.
- Application range: Ford Focus (>bj. 2004), C-Max (>bj. 2003), Mazda 3 1.4i 1.6i 2.0i 1.6DI (>bj. 2003), Volvo C30 (>bj. 2006), Volvo C70 (>bj. 2006), Volvo S40/V50 (>bj. 2004)



- Ø 72mm

KA-2058C

KA-2058CK

Blow Case + EVA

Blow Case w/o EVA



- Ø 85mm

KA-2058D

KA-2058DK

Blow Case + EVA

Blow Case w/o EVA



- Ø 62mm & Ø 66mm

KA-2058AB

KA-2058ABK

Blow Case + EVA

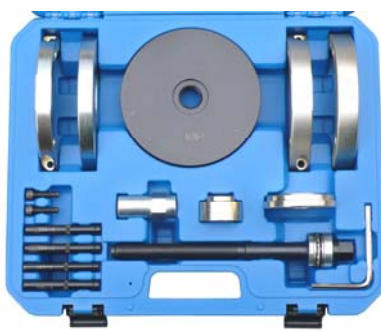
Blow Case w/o EVA



- Ø 78mm

KA-2058EK

Blow Case w/o EVA



- Ø 82mm

KA-2058FK

Blow Case w/o EVA



KA-2058K

- Ø 62, Ø 66, Ø 72, Ø 85mm

Wheel Hub / Wheel Bearing Tool Set

- For removing and installing the wheel hub or wheel bearing of built-in parts on cars.
- The design can prevent damage to the new wheel bearing because it provides safe and accurate centering and alignment when changing wheel bearings.
- Suitable for cars with Ø62, Ø66, Ø72, Ø78, Ø82, Ø85mm wheel bearings.

Wheel bearing diameter		Application
KA-2058AB, KA-2058ABK	Ø62mm & Ø66mm	Audi, VW
KA-2058C, KA-2058CK	Ø72mm	Audi, VW, Skoda, Seat
KA-2058D, KA-2058DK	Ø85mm	VW T5 and Touareg
KA-2058EK	Ø78mm	Ford: Focus, Focus CMAX Volvo: C30, C70, S40, V50 Mazda: M3
KA-2058FK	Ø82mm	Ford: Focus 2(2007-), Focus 2.5RS(2007-), Focus 205 RS500(2007-), Mondeo 4(2007-)
KA-2058K	Ø62mm & Ø66mm & Ø72mm & Ø85mm	Audi, VW, Skoda, Seat, Touareg

Operation for
KA-2058AB/KA-2058ABK/KA-2058C/KA-2058CK/KA-2058D/KA-2058DK/KA-2058K

Operation for KA-2058EK/KA-2058FK

Extraction:



Insertion:



Extraction:



Insertion:





KA-2059



KA-2059A

Wheel Hub Puller Set

- For wheel hubs, half shafts, brake drums, etc
- This set with the 4.3kg slide hammer can remove wheel hubs, half shafts, brake drums, drive shafts directly in the car.
- A mechanical spindle can press out drive shaft.
- Suitable for VW, Audi, Alfa Romeo, Ford, Citroen, BMW, Mazda, Fiat, Mercedes Benz, Seat, Opel, Peugeot, Renault, Skoda, Porsche, etc.
- Bolt size: M12 x 1.5, M14 x 1.5
- Spindle standard: Inner thread: 2-1/4" -14uns
Range: 90-130mm
Outside diameter: 160mm

Thread size

	KA-2059	KA-2059A
Wheel bolt-system	M12 x 1.5 M14 x 1.5	M12 x 1.25 M12 x 1.5 M14 x 1.5
Wheel nut-system	--	M12 x 1.25 M12 x 1.5

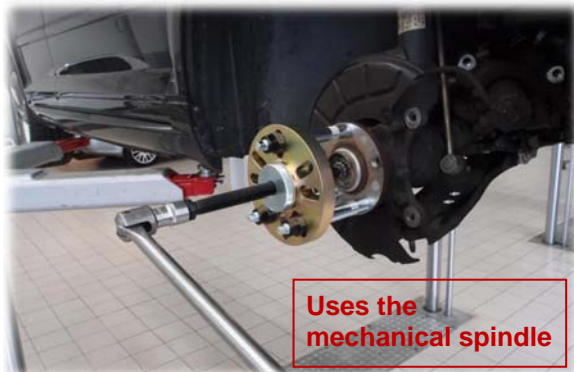


Wheel bolt-system



Wheel nut-system

Press half-shafts out:



Uses the
mechanical spindle



Uses the 17 ton Hydraulic Cylinder
(the hydraulic cylinder is optional equipment)

Pull the wheel hub:



↑↓ Remove the Hub
using a slide-hammer.





KA-5172 Wheel Bearing Tool Set

- Suitable for VW, Audi, Seat, Ford, Opel, BMW, etc.
- For wheel bearing diameter 60-85mm
- This tool set is for the precise, quick and professional removal and replacement of wheel bearings.
- The design can prevent damage to the new wheel bearing because the press pieces enable safe and accurate centering and alignment when changing wheel bearings.



KA-5172A Professional Wheel Bearing Tool Set For Mercedes

- Tool set for Mercedes e.g. 190series(W201), A-Class(W168, W169), B-Class(W245, W124), C-Class(W202, W203), E-Class(W210), M-Class(W163, W164), S-Class(W140), V-Class(W639)
- This tool can safe, quick and professional replacement and removal of wheel bearing.
- Minimum working effort – high time saving.
- Simple and safe handing.
- Spindle thread: M20 x P2.5



KA-5172B Professional Wheel Bearing Tool Set For VW/Audi

- Tool set for VW-Audi e.g.A3(8L), Audi A4(B5), A4 Quattro (B6) rear axle, A6 (4A, 4B), A8 (4D, 4E), TT (8N, 8J); VW Polo (6N), Golf (II, III, IV), Passat, Sharan, T4
- This tool can safe, quick and professional replacement and removal of wheel bearing.
- Minimum working effort – high time saving.
- Simple and safe handing.
- Spindle thread: M20 x P2.5



KA-5172C

Professional Wheel Bearing Tool Set For Peugeot / Citroen/ Renault

- Tool set for Peugeot - Citroen - Renault
- This tool can safe, quick and professional replacement and removal of wheel bearing.
- Minimum working effort – high time saving.
- Simple and safe handing.
- Spindle thread: M20 x P2.5



KA-2065 Universal Bearing Cup Installer

Heat-treated drop forged steel body for long life usage

- Total length: 520mm
- Max. opening: 180mm
- Mini opening: 85mm
- Material S45C



KA-2070 VW, AUDI Bush Remover / Installer

- Special design to remove and install the bush.
- Applicable: VAG series.



KA-2071 4 Ton Truck Front Hub Puller

- Suits to 6, 8, 10 bolt (6, 8 bolt: JIS, 10 bolt: ISO)
- Pin Circle Diameters: 222.25mm~335mm
- Hub bolt size M20 x P1.5, M22 x P1.5, M24 x P1.5



"R" side hex nuts (c.w.)



"L" side hex nuts (c.c.w.)



KA-2072 Rear Housing Nut Wrench

- Suits for 48 to 210mm pin circle diameters.
- Includes three pairs of pin legs: 5.5mm, 6.5mm, 9mm



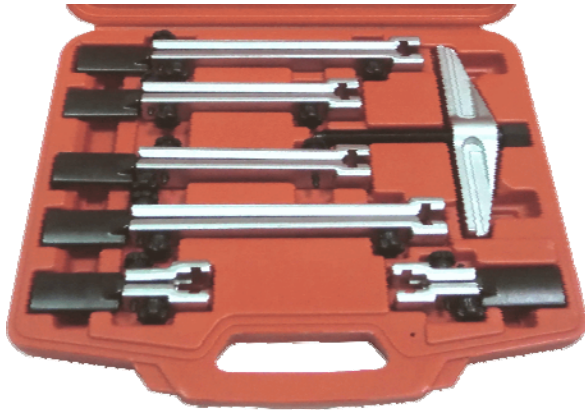
KA-3344 Thin Type Two Jaws Bearing Remover

- Special design for removing the bearing in narrow space.
- Working depth: 93mm
- Jaws thickness: 1.5mm
- Applicable bearing dimension: $\varnothing 30 \sim 90\text{mm}$.



2-Arm Universal Puller Set – Quick Adjustable Type

KA-7619S

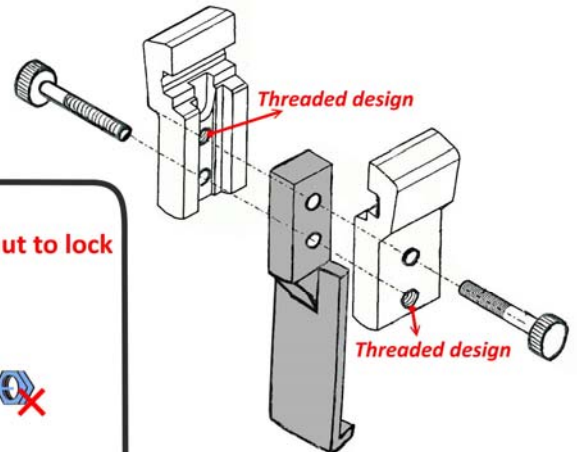
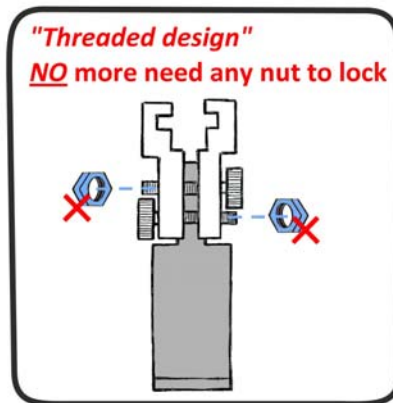


- The puller legs are made in different sizes for narrow spaces.
- Designed to be hung up on workshop walls
- 1 Beam 2 Arms
- 1 Spindle
- Available clamping depth:
 - 2 Puller legs 100mm (Item No: KA-7613LS)
 - 2 Puller legs 200mm (Item No: KA-7615LS)
 - 2 Puller legs 250mm (Item No: KA-7617LS)

Quick Adjustable Type

Feature:

- A hand opera to screw the Locking screw
- Allows loosening and adjusting the puller leg no more need to using wrench.
- Quick-Adjustable / Loosening the puller leg
- Convenience
- Save time



Compare:

NEW TYPE



Only a hand operation
Quickly loosening/adjusting the puller leg

OLD TYPE



- Used a wrench to loosening/adjusting the puller leg.
- Waste time
- Inconvenience



KA-5184 Universal Axle and Slotted Nut Wrench

For the removal and installation of most common axle nuts, e.g. hexagon nuts, octagon nuts, slotted nuts, face nuts, round nuts with drilled holes, round nuts with pin holes...etc.

Contents:

Vario nut and cap key

Round adapter: 2pcs -6mm, 2pcs -8mm, 2pcs -10mm

Square adapter: 2pcs -6mm, 2pcs -8mm, 2pcs -10mm



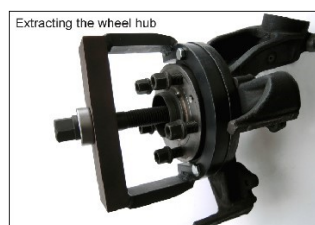
KA-5189 Original Hub Master

- Designed to accurately and efficiently Extract or Install Hubs and singular Wheel Bearings of spindle assemblies
- A self centering mechanism under load.
- Easy R&R of Rear Wheel Drive European vehicles.
- Wide application range of Front Wheel Drive vehicles.
- Available as vehicle specific Sub-Kits (non Master Kit).
- Complete easy to follow instructions.

Application:

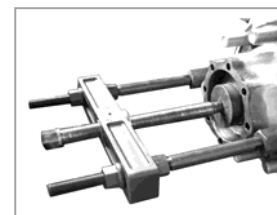
Rear Wheel Drive = Mercedes, Porsche, BMW.

Front Wheel Drive = VW, Audi, Chrysler, Ford, Saturn,
Toyota / Lexus, Nissan / Infiniti,
Honda / Acura, Mazda, Hyundai /
Kia



KA-2088 Universal Wheel HUB Extractor

- Universal wheel HUB extractor.
- Variable for bolt diameter up to 300mm.
- Universal for bolts up to max Ø 22mm.
- Application range: General Truck Repair Tool



Contents:

Thread Adaptor Specification:	
KA-2088-01	M18 x P1.5 x 65mm/L – 2pc
KA-2088-02	M20 x P1.5 x 65mm/L – 2pc
KA-2088-03	M22 x P1.5 x 65mm/L – 2pc
KA-2088-04	M24 x P1.5 x 65mm/L – 2pc
KA-2088-05	M30 x P1.5 x 65mm/L – 2pc
Pressure Plate	
KA-2088-06	Ø 95mm / 65mm x 30mm/H – small x 1pc
KA-2088-07	Ø 110mm / 85mm x 30mm/H – large x 1pc



KA-2096 Drive Shaft Insertion Tool

These vehicles have strict tolerances between the drive shaft splines and the wheel hub, we must use special tools like KA-2096 for assembly work.

This insertion tool can be simple and quickly put the drive shaft fitted into the wheel hub.

With wide application in various specifications for drive shaft.
Mainly used for VW-Audi (Touareg etc.), Mercedes, BMW, Porsche (Cayenne etc.), Peugeot, Renault, Opel/Vauxhall, etc.

Contents:

1pc – shoulder nut

2pc – housing: ØOD39 x ØID29mm, ØOD46 x ØID36mm

7pc – Inner thread: M16 x 1.5, M18 x 1.5, M20 x 1.5,
M22 x 1.5, M24 x 1.5, M27 x 1.5,
M30 x 1.5

2pc – outer thread: M14 x 1.5, M16 x 1.5



KA-2097K

Hydraulic Cylinder Operation Repair Tools



For Drive Shafts, Wheel Hubs, Bearings, etc

Parts No.	Description
KA-2097-1	A 18 t hydraulic cylinder
KA-2097-1A	Coupling hose side 3/8" NPT
KA-2097-2	Pull spindle, M20xP2.5, Length:570mm
KA-2097-3	Pressure spindle, M20xP2.5, Length:350mm, O-ring
KA-2097-4	Adaptor for hydraulic cylinder, O-ring
KA-2097-5	Adapter 2-1/4" -14UNS to 2-1/4"-14UNS
KA-2097-6	Pressure Piece
KA-2097-7 PAT.	Adapter plate, PCD-Ø100mm & 152mm side for 572-1 & 5178-1 PCS- Ø120mm & side for 585-1
KA-2097-8	Double headed nut Ø29mm & 29.9mm
KA-2097-9	Retainer adaptor for KA-2097-8 Ø29.9mm side

- This tool set is designed for hydraulic operation.
- A 18t hydraulic cylinder(KA-2097-1)
- New designed of the disk (KA-2097-7) will be able to operate KA-2058K & KA-2058EK series by hydraulic.
- Two specially designed adapter (KA-2097-8, KA-2097-4), accurate and safe guidance of the hydraulic cylinder and the clamping nut fixed on the wheel hub bearing tool set the center.
- A kit designed to demolition of the universal joint drive shaft / drive shaft (KA-2097-6 pressure piece, KA-2097-5 adapter, KA-2097-3 pressure spindle, KA-2097-2 pull spindle)

KA-2097-1 Hydraulic cylinder 18T



Applications:

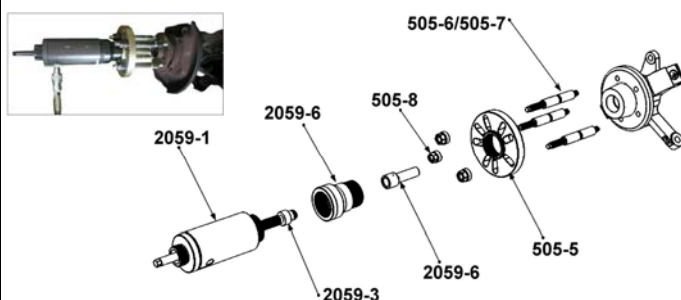
This tool can be in conjunction with other repair tool to use (eg, KA-5172, KA-5172A, KA-5172B, KA-5172C, KA-2059, KA-2058K, KA-2058EK series), will be able to remove and replace the drive shaft, wheel hubs and wheel hub bearings...

Technical Data:

Maximum admissible force:	18 t
Maximum stroke:	45mm
Cylinder outer diameter:	80mm
Cylinder overall length:	202mm
Cylinder weight:	5.1kg
Hydraulic fluid connection thread:	3/8"NPT -18
Pressure side of retaining thread:	2-1/4" -14 UNS
Pulling side of retaining thread:	M42 x P2
Thread in tubular piston:	M20 x P2.5

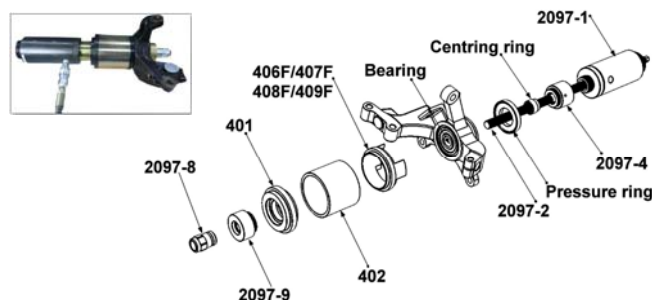
KA-2097-1 applications in KA-2059

Pressing out the drive shaft using 18 ton Hydraulic Cylinder with KA-2059 puller set



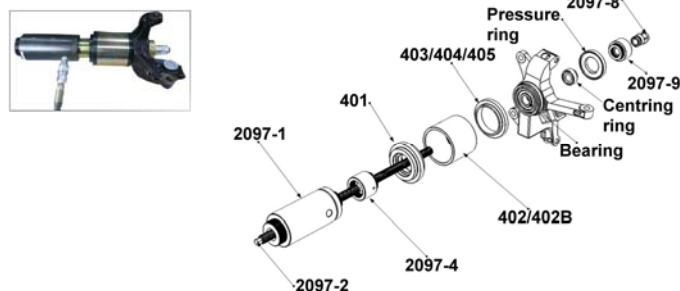
KA-2097-1 applications in KA-5172C

Wheel bearing removal and install (hydraulic)



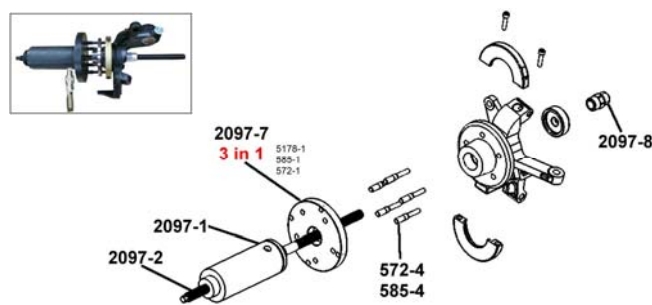
KA-2097-1 applications in KA-5172, KA-5172A, KA-5172B

Wheel bearing removal and install (hydraulic)



KA-2097-1 application in KA-2058K, KA-2058EK

Wheel hub removal and install (hydraulic)





KA-6697K Universal Wheel Bearing Tool Set

- Easy & Efficiency to install and removal wheel bearing
- Removal and installation of flanges and wheel bearing without removing suspension struts or wheel hubs from the vehicle.
- Application: VW Opel, Citroen, Honda Fiat Seat Toyota, Porsche, BMW, Volvo



KA-3342 Hub Slide Hammer Puller With Outsize Hammer

Extra large internal hole for European car.
Coverage with five oval-shaped holes to meet different size of hubs.
Increasing the power of pulling with both hands held outsize slide hammer.
Hammer weight: 6.3kgs.



KA-3343 4 Holes Slide Hammer Puller With Outsize Hammer

Special designed to pulls 4 bolts front hub easily with outsize hammer.
Increasing the power of pulling with both hands held outsize slide hammer.
Hammer weight: 6.3kgs



KA-2167

Universal Remove And Install Sleeve Kit (6pcs/set)

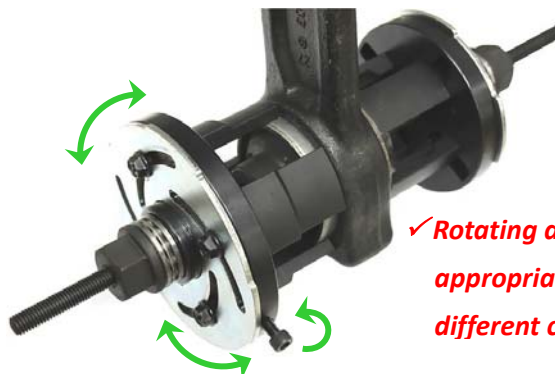
Universal application of step disc fits many kinds of different vehicles.
Easy work to remove and install for bearing bush & silent bearing.

Contents:

- 2pcs adjustable sleeve
- 4pcs spindle: M10 x P1.5 x 350mmL
M12 x P2.0 x 350mmL
M14 x P2.0 x 350mmL
M16 x P2.5 x 350mmL

Application: for various vehicles, Benz, BMW, Toyota, Honda, Ford, Nissan...etc.

* Do not force to use it, it may be damaged!!



✓ **Rotating adjustable design, adjust the appropriate size in accordance with the different cars.**

KA-2161 Inner Bearing Race Puller Set

- Removal of the hub leaves the inner race on the hub. The race is impossible to remove without the correct tool.
- KA-2161 gives quick and easy removal of inner bearing races bearing of diameters from 44mm ~ 72mm within minutes of time without risk of damage or injury.
- For VW-Audi, BMW, Ford, Fiat, Mercedes, Opel, Renault, Seat Skoda, Porsche, Volvo.

Content:

Puller Tool Body

No.	Description
1	Chuck
2	Chuck
3	Chuck
4	Handle
5	Special Ring Spanner 36mm
6	Spindle with pin (M20 x 1.5)
7	Pressure Piece for Hubs
8	Pressure Piece for Hubs

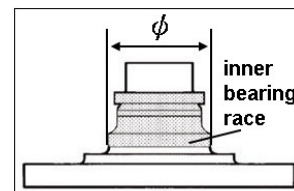
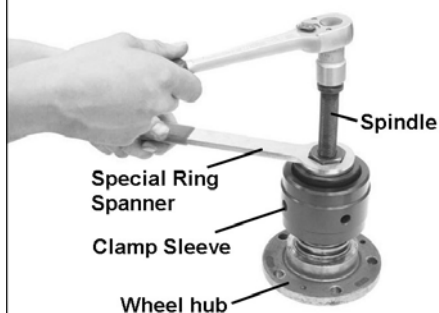


Inner bearing Race Pull Set

No.	Collet Chuck Size	Application
9	Ø44 – Ø48mm	Lancia Cappa, Renault
10	Ø48 – Ø52mm	Ford Transit, T330
11	Ø52 – Ø56mm	VW-Audi, Seat, Skoda
12	Ø56 – Ø60mm	Mercedes W168
13	Ø60 – Ø64mm	Mercedes W201, W202, W210, W214, BMW, Peugeot
14	Ø64 – Ø68mm	Mercedes W163, W140, W169, W211, W220, W245, W124T
15	Ø68 – Ø72mm	VW Touareg, Porsche Cayenne

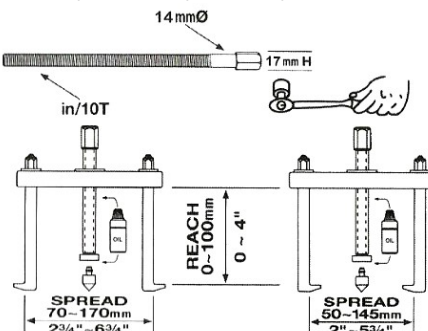


Inner bearing race being removed



KA-6583 Bearing Separator Puller Kit

- Gear pulling, bearing pulling and separating, timing gear pulling, steering wheel pulling, and more.
- Also be used to pull sprockets and pulleys with tapped hole size 5/16"-18, 3/8"-16, 3/8"-24, M8*P1.25.



EXTENSION ROD



Universal Puller

- Designed to quickly and easy to gripping bearing.
- The three jaws can quickly adjust at same time while gripping the bearing.
- Force: more than 1.5 ton


KA-3731S

Shorter jaw
Suits for narrow space


KA-3731A

Universal jaw
Suits for most bearing


KA-3731B

Angle jaw
Suits for smallest bearing


KA-3731L

Long jaw
Suits for narrow space


KA-3731AL

Universal jaw & Large spread
Suits for most bearing


KA-3731LL

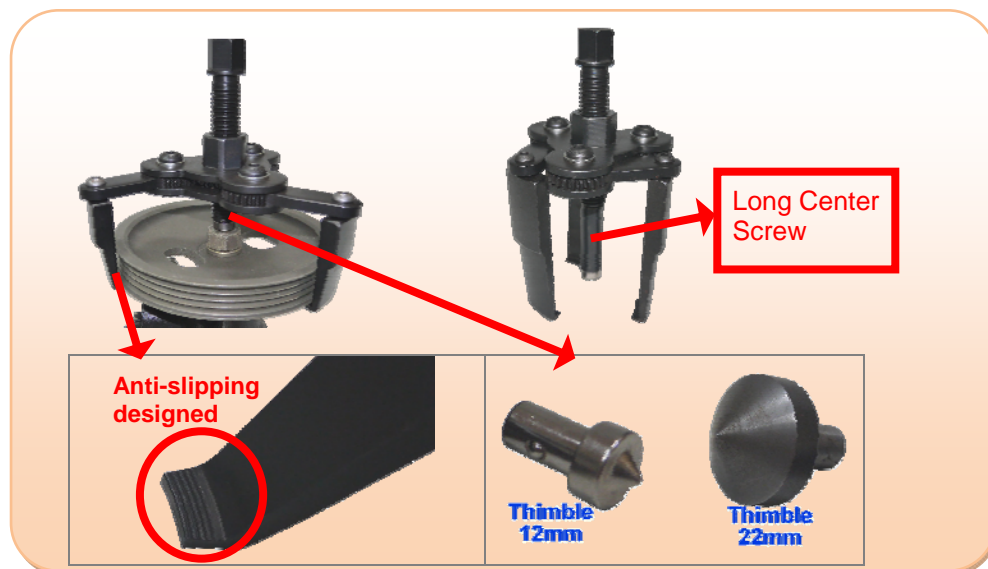
Long jaw & Large spread
Suits for bigger bearing in narrow space

Specification:

	KA-3731S	KA-3731A	KA-3731B	KA-3731L	KA-3731AL	KA-3731LL
Claw High (mm)	30	55	63	100	55	100
Claw Length (mm)	8	8	8	8	8	8
Min/Max. Spread (mm)	65-135	65-135	26-94	65-135	125-180	25-180
Force (kg)	1500	1500	1200	1500	1500	1500
Center Screw Length (mm)	50	100	100	150	100	150
Jaw Length (mm)	30	55	63 (Angle)	100	55	100
Thimble (small)	ODØ 12mm	ODØ 12mm	ODØ 12mm	ODØ 12mm	ODØ 12mm	ODØ 12mm

Option:

1. Large Thimble (OD Ø22mm)
2. Extension rod
3. Extension rod for jaw



Front Lower Control Arm Bushing Tool for Honda and Acura

- Designed to remove and replace the large hydro-bushings on the front-axle lower control arms for nearly all Honda vehicles.
- Using on car, saving valuable time and effort and avoiding potential damage to other suspension joints & components.



KA-7276A

Black socket

ID: 68mm; OD: 76mm

Golden Socket

ID: 56mm; OD: 64mm



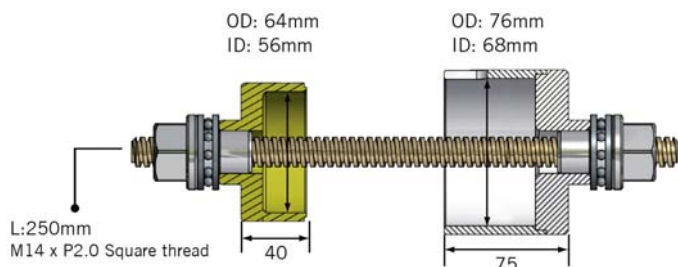
KA-7276B

Black socket

ID: 76mm; OD: 84mm

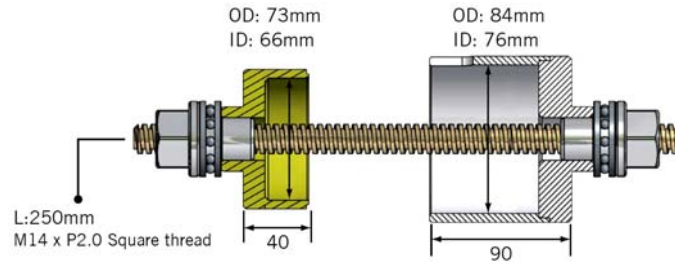
Golden Socket

ID: 66mm; OD: 73mm



Application:

Acura	EL 2001-2005, MDX 2001-2006, RSX: 2002-2006, TSX 2004-2008, TL 2001-2003
Honda	Accord 2003-2007, Civic 2000-2008, CRV 2001-2006, Element 2004-2011, Odyssey 1999-2004, Pilot 2001-2007



Application:

Acura	TL 2004-2008
Honda	Accord 2003-2012, Civic 2009-2010, Odyssey 2005-2010

Specification:



Spindle

Size	M14 x P2.0
Material	Steel-SCM440
Hardness	35 - 38
Surface finish	Phosphate(Black)



Black socket with window

Material	Steel-S45C
Hardness	68-72
Surface finish	Phosphate(Black)

Check balanced installation work



Nut with bearings

Size	M14 x P2.0
Hex	27mm
Material	Steel-SCM440
Hardness	43 - 41
Surface finish	Phosphate(Black)

Golden socket

Material	S45C
Hardness	38 - 43
Surface finish	Golden Zinc

Instructions:

- Connect the spindle, golden socket, bush object and the black socket.
- Use open two wrenches 27mm to remove the damaged bush.



Install:

- Connect the spindle, golden socket, new bush and the black socket.
- Use open two wrenches 27mm to install the damaged bush.

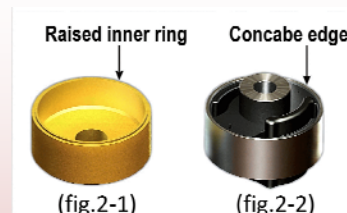


What's Special?

- Traditional design of golden socket hardly to grip this HONDA bushing well since the bush's special design. (fig.1)
- New design with inner side ring(fig.2-1) can grip bushing(fig.2-2) firmly. (fig.3 & fig. 4)
- New design avoid any unbalance work for removal or even installation.

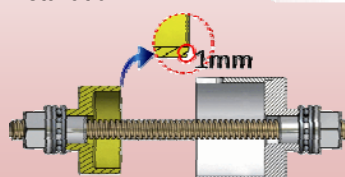


(fig.1)

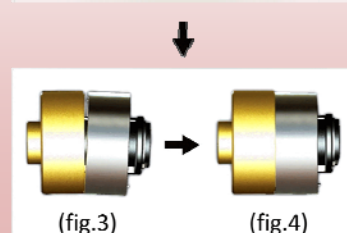


(fig.2-1)

(fig.2-2)



- Socket with inner side ring helps hold bushings firmly



(fig.3)

(fig.4)



2 Arm

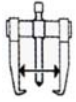
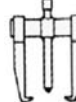


3 Arm



2 Arm / 3 Arm Pullers

Well known design for all pulling work. Strongly made yet light and simple to operate. Unique self-locking system ensures non-slipping of jaws - the harder the pull the tighter the grip. The pulling legs with jaws on both ends have one thin and small jaw each for use in tight places.

	Item No.	 (mm)	 (mm)	Size
2 Arm	KA-5280A-100	50-100	70	4"
	KA-5280A-150	60-150	120	6"
	KA-5280A-200	80-200	175	8"
	KA-5280A-300	120-300	215	12"
3 Arm	KA-5280B-100	50-100	70	4"
	KA-5280B-150	60-150	120	6"
	KA-5280B-200	80-200	175	8"
	KA-5280B-300	120-300	215	12"



KA-2356 Replaceable Plate Front Hub Puller

- P.C.D 94-145mm (3, 4, 5, 6) bolt / carbon Steel
- Universal application for removing front hubs on front wheel drive cars.



4, 5 Bolt Plate



3, 6 Bolt Plate



KA-3613 Needle Bearing Extractor Sets

Also for ball bearing and bushings.

For bores: dia. 12, 15, 18 mm.

For cars: Audi, BMW, Citroen, Fiat, Ford, DB, Opel, Peugeot, Porsche, Renault, Rover, Saab, Volvo, VW, Nissan, Datsun, Toyota...

Contents: Pair of legs, 3 distance wedges, 1 slide hammer with holder.

12mm for BMW, Opel

15mm for Audi, DB, Ford, Opel, Porsche, VW

18mm for Audi

KA-5296 Pulling Device for Silentbloccs

- Suits for Mercedes E-Class (W211) rear axle sub-frame.



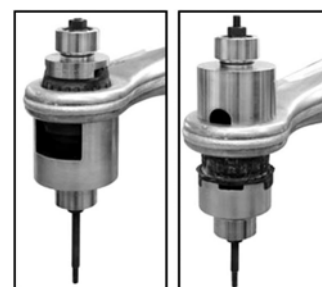
KA-5296 Pulling device for Mercedes Benz W211, mechanical

Part No.	Description	Qty
KA-5296-10	Retainer adaptor for mechanical spindle	2
KA-5296-16	Pulling spindle M14	1
KA-5296-19	Axle-bearing	2
KA-5296A	KA-5296A set of rubber for bearing sleeve Ø75.5 / Ø90 (W211)	1
KA-5296B	KA-5296B set of sleeves for differential bearing Ø66 (W211)	1
KA-5296C	KA-5296C set of sleeves for suspension arm / wishbone Ø51 (W211)	1



KA-5296A set of rubber for bearing sleeve Ø75.5 / Ø90 (W211)

Part No.	Description	Q'ty
KA-5296-1	Support sleeve	1
KA-5296-2	Support sleeve	1
KA-5296-7	Press piece	1
KA-5296-9	Extension for adaptor 50mm with O-ring	1
KA-5296-13	Support sleeve	1
KA-5296-14	Press piece	1
KA-5296-15	Press piece	1
KA-5296-17	Mandrel	1
KA-5296-18	Press piece	1
KA-5296-20	Tension segment	1



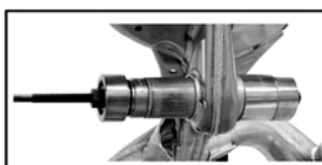
KA-5296B set of sleeves for differential bearing Ø66 (W211)

Part No.	Description	Q'ty
KA-5296-3	Press / Support Sleeve long Ø80	1
KA-5296-5	Support ring	1
KA-5296-6	Support sleeve	1
KA-5296-12	Press Sleeve	1



KA-5296C set of sleeves for suspension arm / wishbone Ø51 (W211)

Part No.	Description	Q'ty
KA-5296-4	Press / Support sleeve long Ø60	1
KA-5296-8	Press piece	1
KA-5296-9	Extension for adaptor 50mm with O-ring	1
KA-5296-11	Press / Support sleeve short Ø60	1



Universal Seal Installer

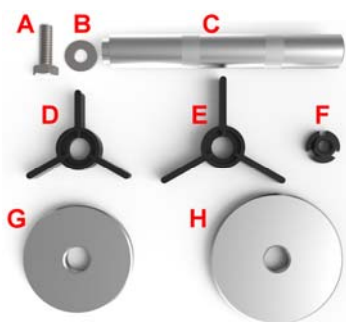
The arms of the spider keep the seal centered during installation. Another benefit to this tool is the spider can be trimmed to fit seals. The long handle provides good flexibility when installing the pinion seals.

KA-5310A Application: 32~60mm (1-1/4" ~ 2-3/8")

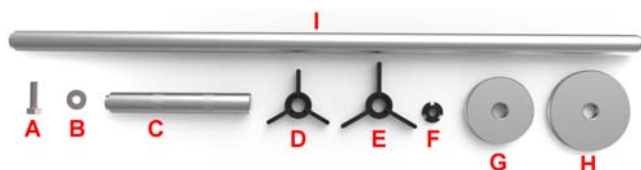
KA-5310B Application: 32~60mm (1-1/4" ~ 2-3/8")

KA-5310C Application: 27~60mm (1-1/8" ~ 2-3/8")

Operation:



KA-5310A



KA-5310B



KA-5310C

Contents:

	KA-5310A	KA-5310B	KA-5310C
A. Hex Cap Screw	•	•	•
B. Washer	•	•	•
C. Handle	•	•	•
D. Small spider	•	•	•
E. Large Spider	•	•	•
F. Spider Insert	•	•	•
G. 63mm(2.5") Driver	•	•	•
H. 76mm(3.0") Driver	•	•	•
I. Long Handle	--	•	--
45mm(1.7") Driver	--	--	•



KA-7297 Tri-Section Bearing Separator

- Used with 3 jaw puller.
- Equal pulling force distributed as 3 supporting points.
- Flexible spread from 50~105mm
- Hydraulic ram is optional for use.

KA-6660 Wheel Bearing Mounting Sleeve Set

- For Vehicles with wheel bearing integrated in the brake disc or drum.
- No Damage to the integrated wheel bearings.
- Quick and secure mounting.
- Suitable for: Renault, Peugeot, Citroen, Opel, Nissan, etc.
- Application:

Renault: Clio III (05>), Clio III Grandtour (05>), Espace IV (02>), Grand Scenic (04>), Laguna II (01-07), Megane I (98-03), Megane II (03>), Coupe/Cabrio (02>), Megane II Limousine (02>), Megane II, Modus (04>), Scenic I (99-03), Scenic II (03>), Traffic II (01>), Vel Satis (02>)

Peugeot: 207(06>), 207 CC (07>), 307 CC (03>), 307 Kombi (02>), 307 Limousine (00>), 307 SW (02>)

Citroen: C4 (04>), C4 Coupe (04>), C4 Limousine (04>)

Opel: Vivaro (01>)

Nissan: Primastar (01>)





KA-2490 Universal 4-Stud Hub Puller

- For use on all 4-stud hubs with bolt centres of between 100mm and 115mm (maximum stud diameter 14mm) with M12*P1.5, M14*P1.5 lock nut.



SLIDE HAMMER



CENTER BOLT



KA-3748 Small Bearing Separator & 2, 3 Leg Puller Kit

- Design for pulling bearing of vehicles, generator, motor.
- Bearing separator: 30-50mm
- Separator extension rod: 125mm
- 2 leg work size: 30-125mm
- 3 leg work size: 30-100mm
- Leg size: L150mm x W16 x D14 x T4-8mm
- Center bolt: 150mm



KA-5321 Master Harmonic Balancer Installer Set

- Includes traditional installer adapters as well as long reach adapters for late model applications.
- Servises harmonic balancers as well as underdrive pulleys and recessed crank threads on Dodge Hemi, GM Gen III/IV, and Ford 4.6 and 5.4 modular engines.
- Works on most European vehicles including BMW and VW as well as Toyota, Honda, Kia Hyundai vehicles.



KA-5349 Universal Tool For Silent Blocks and Joint Bearings.

- Enables safe and quick work in replacing silent blocks and joint bearings with Ø 30-75mm.
- Very tight-fitting or corroded parts can be easily removed by 17t hydraulic cylinder.
- Can be used to replace the ball joints with an additional press frame.
- Vital and basic tool set for chassis repair.
- Contents:
 - 2 adapters
 - 570mm long M10 spindle with nut, 570mm long M12 spindle with nut, 570mm long M14 spindle with nut, 570mm long M16 spindle with nut,
 - Press sleeve short: Ø30mm, Ø40mm, Ø46mm, Ø50mm, Ø54mm, Ø58mm, Ø64mm, Ø66mm, Ø70mm, Ø72mm
 - Press sleeve long: Ø44mm, Ø50mm, Ø56mm, Ø62mm, Ø66mm, Ø70mm, Ø74mm, Ø78mm, Ø82mm, Ø84mm



KA-7293 Wheel Bearing Circlip Pliers

- For inner circlips without eyelets.
- The special design of the pliers tips enable the easy removal and replacement of wheel bearing circlips with eyelets.
- Professional removal and replacement of wheel bearing circlips are almost impossible without this special tool.
- Suitable for wheel bearing circlips on Citroen, Peugeot, Renault, Toyota, Lexus, Nissan, etc.





KA-5395 Universal Extractor For Truck Only

- For trucks axle removal.
- Use this axle with spanner spin the screw.
- For all Japanese truck dismantling front and rear axles.
- Extremely robust execution.
- Japanese truck repair tool/
- Special steel.
- Application rang Japan truck only, ex: HINO, UD truck 180 pulley.

Inner	Ø mm	Outer	Ø mm	H mm	
20		25.9		32	46



KA-5416

Truck Transmission / Bearing / Shaft Sleeve / Gear Puller Kit (ZF16S)

- Remove ZF16S transmission, bearing, shaft sleeve and gear.
- Application: European truck-DAF, Japanese truck-HINO AF16S 151-16S181

Operation:

Choose appropriate accessory before operation and put accessory puller into right place of bearing, shaft sleeve or gear, then slip fix ring on main body, and then fix screw on double ends, finally take out spare part by rotating central bolt.



KA-5420 Truck Spring Pin Metal Bush Removal / Install Set (Hydraulic)

- Hydraulic cylinder design for easily and quickly removal and install spring pin metal bush.
- Component No.4~7, 9~11 is applicable for SCANIA and VOLVO trucks.
- Component No.B4, B6~B14 is applicable for ISUZU, FUSO, TOYOTA and medium-sized wagon and pickup.
- Application: CALLIPER, FUWA, KNORR-BREMS, PITMAN, ROR, YORK, BENZ, BMW, BPW, DAF, IVECO, MAN, SCANIA, VOLVO, DAEWOO, FUSO, HIN, ISUZU, MITSUBISHI, NISSAN, TOYOTA.



KA-5421

Trailing Arm Bush-Entferner / Installer Tool For Ford Mondeo MK4

- **Removal:** install the number 6.C-ring and use 3.distance stude to lock on the frame as to remove the bush.
- **Installation:** Same as removal, attach the C-ring, hock the 3.Distance studs, but adds 4-1.
- Application: Ford Mondeo MK IV 2007-Oresent, Ford S-Max, Galaxy 2006-Present, Volvo S60, S80, XC60, V70, XC70 2006-Present with Ford Platform.



KA-4103 Harmonic Balancer Remover

- This balancer remover is suitable for a variety of engines that are fitted with 3 & 6 spoke balancers.
- Applicable:
GM V8 engines: 5.3Litre, 5.7LS1, 6.0LS2, 6.2LS3, 7.0Litre.
Ford: Coyote 5.0 supercharge.
Chrysler / Dodge / Jeep: 3.5Litre, 3.7Litre V6, 4.7Litre, 5.7Litre, 6.1Litre.



KA-4103A Harmonic Balancer Puller

- Tool fits securely into cast slots of harmonic balancer enabling easy removal even with radiator in place.
- The only harmonic balancer puller designed for most of 6 cylinder vehicles.



2 & 3 Jaw Gear Puller

- Unique design patented for widely industrial using.
- Changeable jaws for 2 & 3 operation.
- Adjustable angle fixed jaws for easily working.
- Patent: U.S.A, China, Japan, Taiwan, Germany



Adjustable Angles



KA-4516A /
KA-4516B /
KA-4516C

KA-4516AT / KA-4516BT



1. The product made by high quality material of CR-MO, SK5 within high torque strength for professional using.		2. Adjustable angle fixed jaws have convenience working easily.	
3. Quick release to save time and easy operation for effective working.		4. Easy simple action to change the jaws be inside or outside working.	
5. Changeable jaws for 2 & 3 jaws operation.			

Item No.	Max. ton	Range	Max. Spread	Jaw Length	Jaw Width
KA-4516A	2 tons	2" ~ 4"	80mm	90mm	Normal
KA-4516B	5 tons	4" ~ 5"	140mm	133mm	Normal
KA-4516C	7 tons	5" ~ 8"	218mm	207.5mm	Normal
KA-4516AT	2 tons	2" ~ 4"	80mm	90mm	Thin Type
KA-4516BT	5 tons	4" ~ 5"	140mm	133mm	Thin Type

KA-4516K 5 Ton 2 & 3 Jaw Gear Puller Set

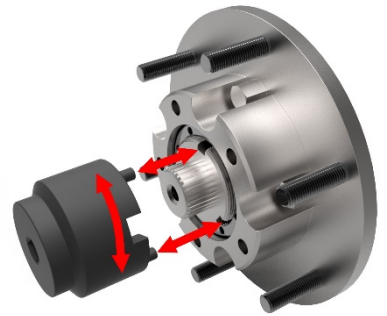
- 2 & 3 Way with Short & Long Legs
- Legs now with ratchet action to hold legs in place to aid one man operation.
- Size: Short 4"~ 5" (100 - 125mm)
Long 5"~ 8" (125 - 200mm)
- Material: CR-MO



KA-4138

Rear Hub Socket – Toyota Land Cruiser

- Application: Toyota Land Cruiser including GXL Advantage, Blue Marlin, Blue Marlin GXL – Full details on website.
- 1/2" Dr. 55mm deep with 3 spoke profile x 7.5mm diameter plus 3 x 15mm slotted grooves.



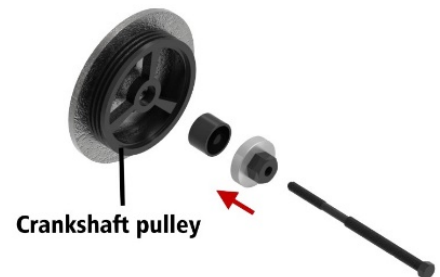
KA-2214 Harmonic Dampening Tool

- Keep crank pulley still avoid the harmonic damper pulley from revolving in the course of moving and installing the conclusive torque specification on the pulley bolt, allowing users to easily remove and install the crank bolt on many Toyota & Lexus engines.
- Grips the crankshaft while tightening the crank bolt.
- To tighten crankshaft pulley by 2 screws (M8 x1.25).
- Extend work needs 1/2" Dr. wrench.



KA-4000 Long Reach Harmonic Balancer Installer for Ford EcoBoost

- This tool is perfect for hard to enter areas, particularly on FWD vehicles.
- Easily assemble the harmonic balancer on to the crankshaft of multiple Ford EcoBoost engines
- The tools was designed for easy installation of harmonic balancers of Ford EcoBoost and various other Ford/ Lincoln engines from 2011 till now.
- Applications: 2.7L, 3.0L, 3.3 L, and 5.0L engines in Ford/Lincoln cars, trucks, and SUVs.

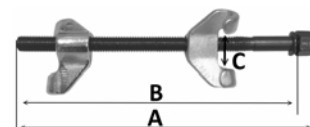


Coil Spring Compressor

- Suitable for use in limited space under wheel arch.
- Jaws design is fitting to wrap coil claws for safety.
- Surface finished: **Ductile casting** jaws & tempered carbon steel lead screws
Heat treated (ensure you obtain professional job performance)

Specification:

	A Max. jaw opening	B Available operation area	C Jaw dimension
KA-4002	250mm	215mm	36.8~43.3mm
KA-4003	300mm	280mm	36.8~43.3mm

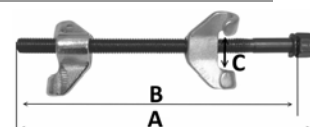


Coil Spring Compressor

- Suitable for use in limited space under wheel arch.
- Jaws design is fitting to wrap coil claws for safety.
- Surface finished: **Drop forged** carbon steel jaws & lead screws
Heat treated (ensure you obtain professional job performance)

Specification:

	A Max. jaw opening	B Available operation area	C Jaw dimension
KA-4007	250mm	215mm	24.7~42.2mm
KA-4008	300mm	280mm	24.7~42.2mm
KA-6672	370mm	338mm	24.7~42.2mm
KA-6673	270mm	250mm	24.7~42.2mm



KA-4004 Coil Spring Compressor – Middle Hex

Tempered middle hex lead screws (230mm) with economic ductile casting jaws wrap over coil claws for use in narrow 230mm max. jaw opening.



KA-2844 Spring Compressor

- The spindles are equipped with contra-rotating threads which eliminate the risk of slipping round the spring.
- Compressor Length: 65 – 200 mm



KA-2845 Spring compressor

- The spindles are equipped with contra-rotating threads which eliminate the risk of slipping round the spring.
- Compressor Length: 65 – 370 mm





KA-4005 Coil Spring Compressor (2PCS/SET)

■ 240mm(9.5") (DUCTILE)

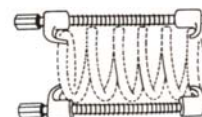


Coil Spring Compressor

KA-4009 200mm(8")x5/8" (2PC/SET) (DUCTILE)

KA-4010 300mm(12")x5/8" (2PC/SET) (DUCTILE)

KA-4011 400mm(16")x5/8" (2PC/SET) (DUCTILE)



Coil Spring Compressor

KA-4012 200mm(8")x1/2" (2PC/SET) (DUCTILE)

KA-4013 300mm(11")x1/2" (2PC/SET) (DUCTILE)



KA-4412 Coil Spring Spanner (2PCS/SET)

■ 180mm(7") (STEEL)



KA-7173 Macpherson Strut Spring Hook Compressor (2PCS/SET)

300mm(12") (DROP FORGED)

Quickly and easily compresses most sizes of macpherson strut springs.

Wide coil contact design and special detent latch practically lock the coil in place.

Setup is fast and simple, achieving compression by alternating from one assembly to another.

Heattreated alloy thrust another. Heattreated alloy thrust screw (5/8"x11tx12") with forged hooks.



KA-6306 Macpherson Strut Coil Spring Compressor

This tool was designed to instantly compress and hold Macpherson strut coil spring for strut work servicing. It has a universal fit, applying to all spring thicknesses. The U-bolts lock the spring into position, assuring a safe environment for operation.



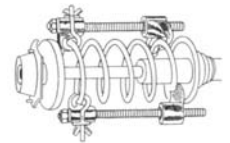
KA-4415 Coil Spring Compressor (2PC/SET) (DROP FORGED)

- Hook engage spring which can be compressed by turning hex nut.
- Jaws capacity: 23mm~280mm
- Length: 280mm



KA-4001 Macpherson Strut Spring Compressor (2PCS/SET) (DUCTILE)

Use this tough tool for quick and easy replacement of struts, springs and shock absorbers. Lets you compress springs both on or off the vehicle with hand or power tools. Maximum capacity: 6" OD. Wire diameter 5/8" 300mm L

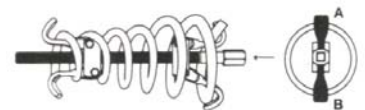


KA-4015 Coil Spring Clamp 270mmL (CR.V) (Forged)

Use tool to remove and install automotive coil spring up to 5-5/8" o.d. designed to grasp a maximum 3/4" wire diameter spring, compressor can be used on straight or curved coil springs. Forged alloy steel arms hug contour of helix. Read instructions carefully before using.

KA-4006 Coil Spring Clamp 300mm L (CR.V)

Single action tool compresses coil springs easily for removal and installation. This tool can be used on vehicles having removable center shock absorber in coil spring. Fits most domestic and foreign applications including light trucks. Will not work on American Motors or ford vehicles with upper coil spring.



KA-6501 Clamshell Strut Spring Compressor

Servicing MacPherson struts is more convenient and affordable when this tool is in your shop. It fits a wide range of struts and no special adapter shoes are needed. The compressor jaws are held in place by safety locking pins. Tool compresses springs of 4" to 9" O.D. with wire diameters of 7/16" to 11/16" it can be driven by an impact wrench.



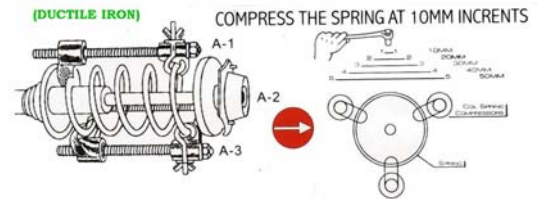
KA-4417 Coil Spring Compressor 460mm(18") (DUCTILE & STEEL)





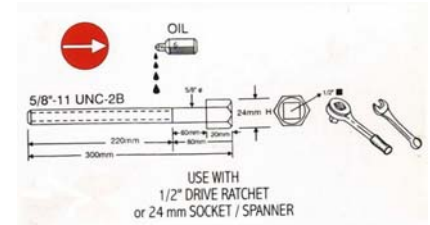
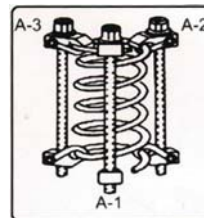
KA-4019K 3pcs Coil Spring Clamp Set

- 300mmL (DUCTILE IRON)



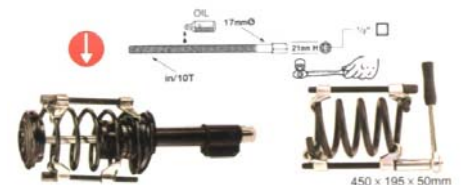
KA-4014K 3pcs Coil Spring Clamp Set

- 300mmL (FORGING)



KA-4413K 10pc Coil Spring Clamp Set

- 16"(400mm) & 12"(300mm)
- DUCTILE



KA-6672A Coil Spring Compressor Set

- 270mm & 370mm lead screws coil spring compressors plug one driving ratchet handle.
- Drop forged steel jaws & lead screws both heat treated ensure you obtain professional job performance.
- The tool is designed for use in limited space under wheel arch.
- Jaws design is fitting to wrap coil claws for safety.
- Use with 1/2" drive ratchet



KA-2846 Universal Spring Compressor Set

- LENGTH : 65 – 200 mm (KA-2844) and 65 – 370 mm (KA-2845)
- For use with all McPherson struts in which spring pressure does not exceed 8000N.
- The spindles are equipped with contra-rotating threads which eliminate the risk of slipping round the spring.



KA-2846A Spring Compressor Set

- For use with macpherson struts in which spring pressure does not exceed 8000N.
- The spindles are equipped with contra-rotating threads which eliminate the risk of slipping round the spring.
- Compression length: 65 – 320mm.



KA-3134 Special Vice For Shock Absorber

Attaching the pipe vise to the workbench allows repairs to be carried out quickly and cleanly.

Struts should never be held in a normal workshop vise due to the risk of deforming the strut-tube.



KA-7308K Front Coil Spring Compressor

Models: W116, W123, W124, W126, W129, W140, W170, W201, W202, W210, GM, Opel, Peugeot, Rover, Saab, Volvo, VW T2, Ford, Taurus, Hyundai, Mitsbishi Lada, Skoda, etc.

Features extra strong Trapezoid thread on center screw.

Supplied in blow mold storage case.

- Maximum capacity: 5-1/2" (140mm) spring diameter
- Overall length: 13-3/8" (340mm)
- Drop forged

KA-7309K

Interchangeable-Fork Spring Compressor And Removal Tool

- Spring compressors are multi-application tools specifically.
- **Only for manual work. (Do not use the impact driver)**
- For most front MacPherson shock absorber springs.
- Developed for modern macpherson suspensions, using a range of 3 sets of interchangeable monobloc forks
- Application: BMW, Toyota, Ford, Mitsubishi, VW, Audi, Saab, Nissan, Honda, Accord, Subaru, Volvo, Opel, Porsche.
- Spring specification:
 - A. Ø190 ~ Ø140
 - B. Ø140 ~ Ø110
 - C. Ø110 ~ Ø75



KA-7309KA
Interchangeable-Fork Spring
Compressor And Removal Tool With
6pc Replaceable Covers Set



KA-7309A
Interchangeable-Fork Spring
Compressor And Removal Tool
With Coating



KA-7309K-AIR

Air Powered Interchangeable Fork Spring Compressor And Removal Tool

- **Air powered**
- Sets of interchangeable monobloc forks
- For modern MacPherson suspension
- Application: BMW, TOYOTA, FORD, MITSUBISHI, VW, AUDI, SAAB, NISSAN, HONDA, SUBARU, VOLVO, OPEL, PORSCHE

Specification:

- Main axle length: 453mm
- Small jaw use range: 80-115mm
- Medium jaw use range: 110-150mm
- Large jaw use range: 140-195mm
- Max. Load: 10 200 N



KA-7309KA-AIR
The yellow plastic covers
could protect the surface
of shock absorber.

KA-7309K-HYD

Hydraulic Fork Spring Compressor & Removal Tool



The hydraulic macpherson spring dumper extractor makes the works much faster and more efficient to take off shock absorbers. The set has a lock function on the tube body and it offers operators a very safe work.

- INTERCHANGEABLE
- Hydraulic Pump Capacity: 4 Ton

Jaw Reference	Spring Diameter (mm)
Small Jaw	80 ~ 115
Medium Jaw	110 ~ 150
Large Jaw	140 ~ 195



KA-7309-P 6pc Jaws Covers Set for KA-7309K (6pc/set)

Item No.: P-A: size L (2pc/set)

Item No.: P-B: size M (2pc/set)

Item No.: P-C: size S (2pc/set)

- Material: Nylon
- Designed for protect the surface of shock absorber.



KA-7309K-SP 6pcs Coil Spring Clamp Set

- INTERCHANGEABLE
- Open: 150~ 350mm (6"~13-3/4")
- Small Jaw: 67~100mm (2-5/8"~4")
- Medium Jaw: 100~140mm (4"~5-1/2")
- Large Jaw: 140~200mm (5-1/2"~7-7/8")



KA-2935 Spring Compressor Stand (four point securing)



KA-2969

Hydraulic Dismantle Tool for Shock Absorber



KA-2970

Shock Absorber Spring Compression Stand

Voltage: AC110V 1PH 220VAC

Speed: 300 mm/min

Capacity: 1500 kgf



KA-2971

Shock Absorber Spring Compression Stand

Length: 470mm

Width: 316mm

Height: 660mm





KA-7309KNS

Universal Fork Spring Compressor and Removal Tool Kit

- Jaws Expandable 100mm-250mm
- Fit Universally !!
- Adjustable Height



KA-4040 Shock Absorber Repair Device

- Design for disassembly, automobile shock absorber spring.
- Adjustable screws so that the claws with shock absorber spring can match the angle.
- A simple, convenient store design.
- Specially designed to enable activity broader.



KA-4040L Shock Absorber Spring Removal Devices

Direct installation tool cupboard, easy to install KA-4040 with the use



KA-4041 Two Claw Absorbers Dismantle Tool

Suitable for all sorts of shock absorbers which can be dismantled from vehicles. Operated manually, Need no electric power, easy operation, quite convenient and safe



KA-4415HD Heavy Duty Coil Spring Compress W/Jaws & Holder

- Easy & Safety
- No need extra complicated jaw installation or removal.
- Features adjustable safeguard that prevents accidental release of spring under load and also enables the parts of tool used for removing to always operate in parallel.

Specification:

- Hook engage spring can be compressed by turning hex nut.
- Use 19mm hex socket or wrench
- Jaws capacity: 23~280mm
- Length 280mm
- 1200kg max. capacity per pair
- Made of durable material for added strength



KA-7270 Heavy Duty Macpherson Spring Compressor

- High capacity of max. load: 26,000N.
- Max. working stroke: 317mm.
- Suitable working with air impact.
- Includes 3 pairs of C jaws for a wide of vehicle applications.
- Safety design of free turning since unacceptable overload.
- A Square block for machinist's vice is attached to main body.
- 3 pairs of yellow covers help lacquered springs surface without damage. (material NYLON 66)

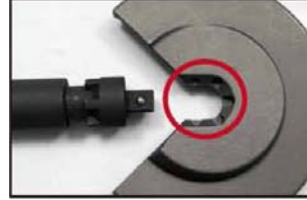
Compare:

	KA-7270	KA-7309K /KA-7309K-AIR /KA-7309KA
Combustion Stroke		
Easy operation	<p>Easy to lock the jaw onto the main body. Save Time!! Pull the pin and install the jaw, release the pin and lock the jaw well</p>	
Convenience	<p>Long C jaw - no need to use extended bracket.</p>	

KA-7271 Coil Spring Compressor For Wishbone Suspension

- Suitable for lower wishbone diameter size is smaller than 30mm.
- Provided a 100Nm torque driver.
- Available for using air impact.
- Can on car working
- Wide vehicle applications: BMW, Chrysler, Chevrolet, Ford, VW, Honda, Hyundai, Kia, Mazda, Renault, Peugeot, Citroen, Mitsubishi, Skoda, Suzuki, Toyota, Volvo.
- Patent pending on three point lock key design.

* The Three point lock key can help to install the spindle and jaw with high safety.



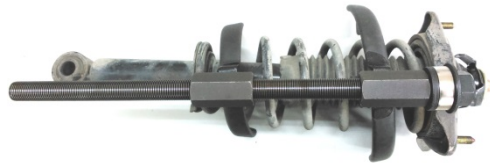
How to use:

- Step 1: Check spring size and choose suitable jaw
 Step 2: First connecting one jaw with spring, then install the main spindle through spring
 Step 3: Use air impact and 100Nm extension bar to compress the spring



KA-6582 Heavy-Duty Coil Spring Compressor

- Center Bolt: 7/8" -14T x 475mm
- Shoe Diameters: 67-100mm, 100-140mm, 140-200mm
- Ball bearing smooth moving



KA-5368

Volvo Front Suspension Shock Absorber Spring Compressor Tool

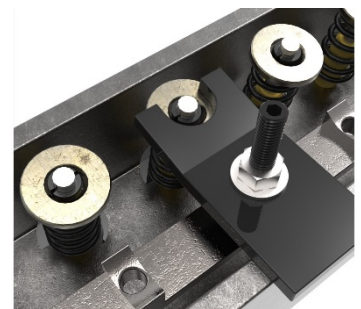
Used for fixing the front suspension when replacing the hub, ball joint or bush, to prevent the rebound from the spring.

Applicable: Volvo: S60(01~10), S80(99~06), V70(00~07), XC70(02~07), XC60(09~), XC90(03~).

KA-3831

Valve Spring Compressor For GM LS

- Works on most GM LS-Type engines.
- Allows removal of the valve spring without removing the rocker stand or other rockers.
- Can be used on or off the vehicle.



KA-7309K-14 2pcs Additional Jaw With Special Sizes

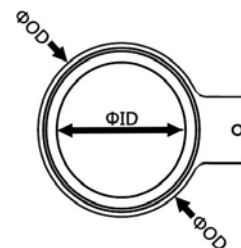
* available for KA-7309K, KA-7309KA-AIR, KA-7309KA, KA-7309K-AIR

- Specially designed for BMW shock absorbers with fewer spring coils.
- Application: Renault Megane 2, Toyota Avensis, BMW 8 series / 3er E46 1998 / 5er E39 1995



ΦOD	140mm
ΦID	176mm
Material	SCM440
Hardness	42-45 degrees
Finish	Zinc plating

Inner ring material
Nylon 6-6
Meet European
Union RoHS
requirement



Instruction:

- (1) Renault Megane 2 and BMW
(The main body and lower jaw are not included in this set)

- (2) Toyota Avensis
(The main body and lower jaw are not included in this set)



Fig. 1



Fig. 2



KA-7309K-15 Tensioning Accessory Jaw Set

* available for KA-7309K, KA-7309KA-AIR, KA-7309KA, KA-7309K-AIR

- Specially designed for Mercedes-Benz W204, X204 and W212 shock absorbers with fewer spring coils.
- Set includes an adapter housing and 3 adapters, fitting Mercedes-Benz special shock absorber covers.



General spring



Mercedes-Benz springs (W204, X204 and W212)



W204 (C-class)



X204 (GLK-class)



W212 (E-class)



Installation:

Step 1

Connect the adapter housing to the main body. (The main body and the lower jaw are not included in this set)



Step 2

Choose a suitable adapter and then insert the adapter into the adapter housing



Step 3

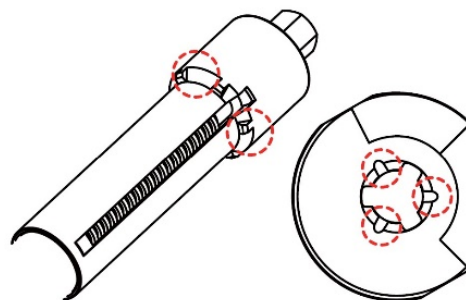
Use the fasteners and washer to connect the paired jaws for shock absorber services.



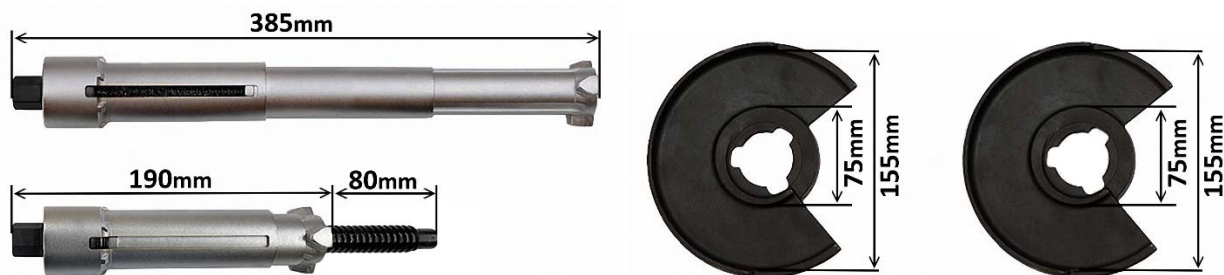
KA-7860 Internal Coil Spring Compressor

Applied to big coil springs, For spring diameter Ø75-155mm

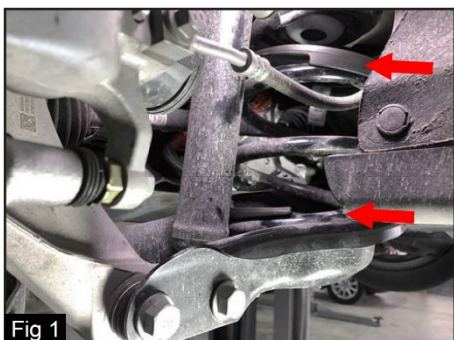
- Suitable for coil springs with internal diameter > Ø75mm and external diameter < Ø155mm.
- Special pins on tool body to mesh with grooves on discs to create a secure connection.(see illustration on the right)
- Can be operated with an air/impact wrench.
- Provided with product liability insurance.
- Break point: 12,900 kgf (ca. 126,505N)
- Max load: 6,525 kgf (ca. 64,000N)



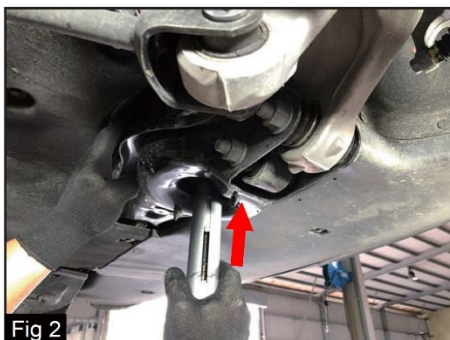
Specification:



Instructions:



Place upper and lower discs on spring.



Insert the main tool body into the spring.



Fig 3



Fig 4

Insert through the disc and make a half turn to connect the tool and disc (Fig.3). Turn the hex nut on the main tool body lower end to fix all parts (Fig.4).



Fig 5



Fig 6

Use an air/impact wrench to compress the spring (Fig.5 and Fig.6).

Applications:

Alfa Romeo	Giulietta	2010-2020
Audi	A4	2001-2015
Audi	A6	2004-2011
BMW	3 Series E46	1997-2007
BMW	X6 E71	2007-2014
Chevrolet	Cruze	2009-2020
Citroen	Berlingo	2008-2020
Fiat	Doblo	2010-2020
Ford	B-Max	2012-2020
Ford	Galaxy	2006-2020
Hyundai	Santa Fe	2001-2006
Mercedes	A-Class W176	2012-2019
Nissan	Murano	2007-2014
Opel	Combo	2012-2020
Peugeot	Expert	1996-2006
Renault	Modus	2005-2020
Tesla	Model 3	2017-2020
Volvo	XC70	2007-2020



KA-3029
10" Wheel Weight Balance Plier



KA-3029A
10" Wheel Weight Balance Plier



KA-3029B
10" Wheel Weight Balance Plier



KA-3029S
10" Wheel Weight Balance Plier
(W/ tool holder)



KA-3030
Wheel Cover & Hub Cap Tool



KA-3241
H/D 10" Wheel Weight Balance Plier



KA-6634 Wheel Master Wrench

- Speed lug nuts installation and removal.
- Telescoping handle with safety lock provides added torque.
- 2-pc. Chrome vanadium steel double-ended sockets:
 - 17x19mm, 21x23mm
 - 11/16"x3/4", 13/16"x7/8"
 Fits most of lug nuts on Today's cars.
- Contoured PVC handles for a comfortable grip
- Wheel hub cap removing tool.
- With PVC storage pouch.



HIGH TORQUE OPERATION



SPEED OPERATION



WHEEL HUB CAP REMOVING TOOL



KA-4247 1/2" Dr. 21" Extension Wheel Master Wrench

- Reversible socket: 17/19mm+21/23mm to fit most cars or 11/16"x3/4"+13/16"x7/8" socket 1/2" SQ. Drive-takes other standard socket sizes.
- High-torque handle your 1/2" socket set
- Strong, light and compact.
- Detachable socket-spins nuts on and off.



21" Extension Wheel Master Wrench

KA-4248 1/2"DR. 17/19mm socket

KA-4249 1/2"DR. 21/23mm socket



KA-3276 1/2" Dr. 4pc Tire Wrench Set

- Sockets: 17 & 19mm, 21 & 23mm
- Wheel hub cap removing tool
- Speed lug nuts installation & removal





KA-9004
T-Handle Discosed Tire Repair Tool Kit (CAR)



KA-9004-5
2pc T-Handle Radial Tire Repair Kit (Car)



KA-9004-8 2pc Handle Radial Tire Repair Kit



KA-9004-30 Tire Seal Refill 30pc/Box



KA-9003 KA-9003A
Snap In Tire Valve Installer

Steel constructed tool with deep threaded head for positive sealing of all snap-in type passenger car tire valve stems



KA-9003B Snap In Tire Valve Installer (plastic)

- Plastic handle with deep threaded head for positive sealing of all snap-in type valve stems
- Plastic handle design to protect the aluminum alloy steel wheel



KA-2960 Tire Separation Tool for Truck

- 2 PCS Wrecking Bar to Separate the Tire Rim



Tire Separation Tool

- Release the Gap of Tire Edge and Rim

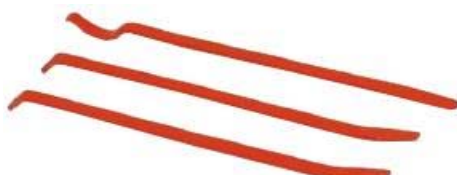


KA-2961 (Short)
KA-2962 (Long)



KA-2963 Tire Separation Tool for Truck

- 3 PCS Wrecking Bar to Separate the TUBELESS Tire Rim



KA-2964 Tire Separation Tool for Truck

- Disassemble Tubeless Tire and Rim



KA-2965 Tire Separation Tool

- Disassemble or Assemble Tubeless Tire & Rim



KA-2966 Aerator Auxiliary Ring

- Rapidly Pressure Boost for Tubeless Tires



KA-2967 Broken End Bolt Puller

- Remove the Bolt when the bolt end has been torn off/ worn off.



KA-2968K Aerator Auxiliary Kit

- Aerator Auxiliary Tank
- Aerator Auxiliary Wind Instrument
- Aerator Auxiliary Handle



KA-6193K Special Tire Releaser W/ Air Hydraulic Pumps

- To be Operated on the Car, No Need to Take off the Screw
- Content:
 - KA-6193 Air pump
 - KA-6193A Special tire releaser
 - KA-6193B Special tire releaser





KA-8411 1/4" Hex Valve Core Tool

- For torque-controlled tightening with a torque screwdriver / wrench
- 1/4" drive x 65mmL.



KA-2892-2

2-in-1 Valve Core Tool For Cars

- 4.5MM & 4.6MM

KA-2892-3

2-in-1 Valve Core Tool For Trucks and Agrar Cars

- 4.5 MM & 7.5MM



KA-6315A 4-in-1 Valve Repair Tool

Removes and installs valve core, extracts damaged core, rethreads inside of stem, rethreads outer part of stem and can be used to install new stem in tubeless tires.



KA-7538 2pc Valve Core Remover & installer



KA-6145F

R12/R134a Valve Core Remover & Installer

L: 68 x W: 19mm



KA-5509

R12/R134a Valve Core Remover & Installer

L:64 x W:16mm



KA-9005 Tire Valve Core Tool

5-1/2" L for remover & installer



KA-5529 Valve Core Remover & Installer

- L: 140mm(5-1/2") x W: 13mm(1/2")
- For easy installation and removal of valve cores.
- 2 slotted valve core tools on both ends, one end for large bore, one end for standard sizes.



KA-5510 H/D Valve Core Remover & Installer

L: 135 x W: 30mm



KA-5529A Tire Valve Core Tool

- Slotted end for easy installation and removal of valve cores.
- Tapered end has threads to extract broken valve core.



KA-2988 Tire Wrench

- Great Torsion, Effort-Saving.
- Max Torque: 650Nm (3.5-4 multiple)
- Length: 52cm
- Max Width: 6cm
- Ratchet: 60 teeth
- Grip: Ergonomic, PA 6 nylon.
- Weight: 1.65 kg
- Material: CRV (Head)



KA-2907 Tire Rim Installing Tool

- Made of Aluminum
- Make installation of tire rim easier



KA-3954 Wheel Trim Tugging Tool

Remove plastic wheel trims quickly and easily without damage. Simply hook ends, facing inwards and tug sharply. Screwdriver end assists with old style hub caps.



KA-3972 Telescopic Wheel Nut Wrench For Commercial Vehicles

For installing and removing wheel nuts / bolts on commercial vehicles.

- Extra long lever arm (max. length 1,430 mm) enable application in high forces (up to 1,200 Nm in extended position).
- Tool can be disassembled and allows space-saving storage in the storage or tool box.
- The fitting accuracy of interior and exterior tube provides exact and safe fit in every length.
- Safety pin avoids loosening – safety pin can be removed with pin Ø 3 mm.
- Special welding method provides force-fit connection of inside square 20 3/4" and exterior tube.
- Highly-tempered special steel, burnished.



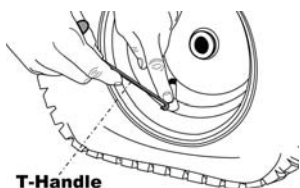
KA-8384 Tire Valve Tool

- Tire valve installer and remover.
- Remove / install tire valves without removing the tire.
- Deal for replacing leaking valves (rubber bodied tire) on cars/ vans/ motorcycles ...etc

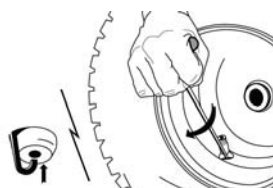
Noticed: Not suitable for tires with TPMS.



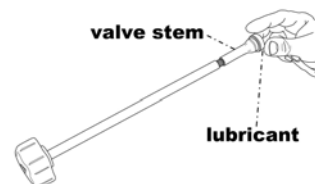
Instruction:



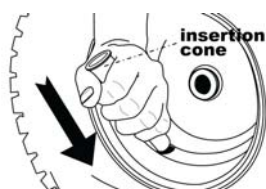
1. Deflate tire if not already flat. Insert T-Handle between rim and valve stem.



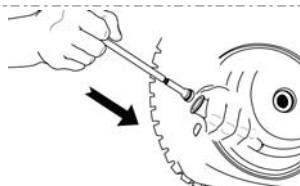
2. Turn T-Handle 1/4 turn to hook valve stem and pull out.



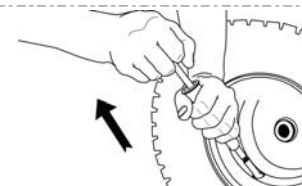
3. Thread new valve stem on end of plunger rod. Apply tire/rubber lubricant to the base of the valve stem.



4. Position insertion cone over stem hole.



5. Push plunger rod/valve stem assembly completely through insertion cone.



6. Pull back to seat valve stem and un-thread.

- For use with 453 valve stems only.
- Not to be used with 5/8" valve stems.
- Not to be used on tires TPMS-Tire pressure mounting system.
- Valve stems not included.

Air Grease Gun

PA-4510 400 C.C. (14oz)

PA-4511 500 C.C. (16oz)



Specifications:

Capacity.....400CC 14oz/ 500CC 16oz
 Pressure Tested.....1200 to 6000PSI at 30 to 150PSI
 LOADING WAYS.....Stand 14 or 16OZ 14-1/2 grease cartridge.
 Loading with dispenser
 Loading with bulk grease
 Air Inlet (NPT) 1/4"
 Air Hose (ID)..... 3/8"
 Net Weight (BLS)..... 3.3

Fully Automatic Continuous Grease Gun (pressure: 400 psi)

PA-1608 400 C.C. (14oz)

PA-1608A 500 C.C. (16oz)

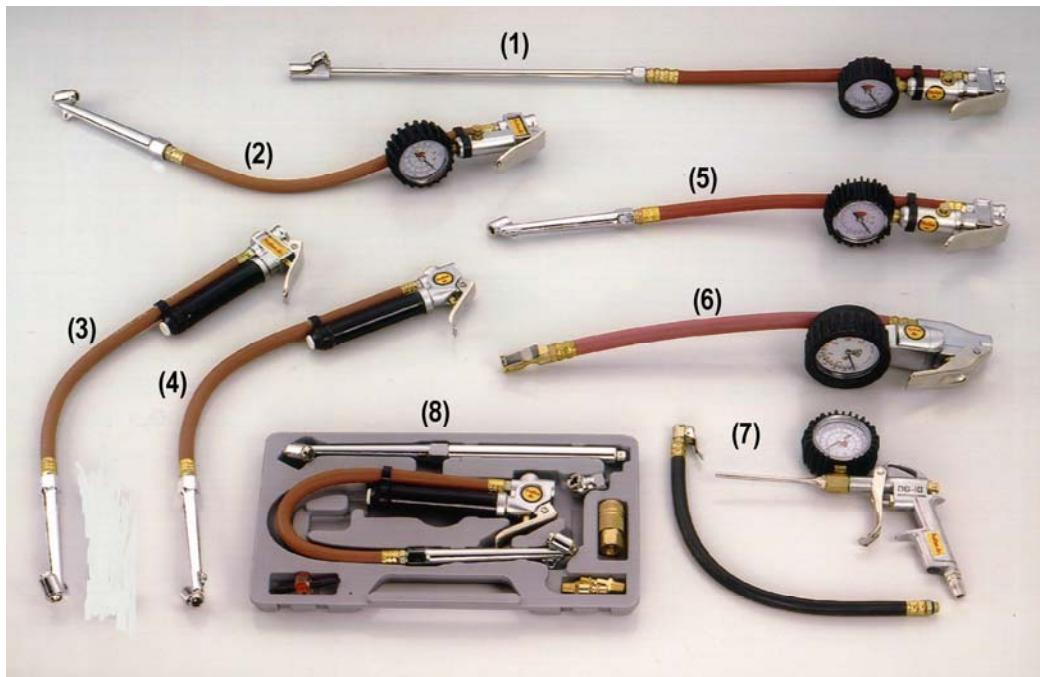


- Fully automatic, depress the trigger for continuous
- Air operating range of 60-150PSI
- 42:1 pressure ratio
- Locking follower rod for easy locking and priming
- Exclusive "FLIP-OVER" follower to eliminate grease by-pass
- Allows for handy three way loading
- Net weight: 2.2KGS
- Air inlet: 1/4"
- Air hose: 3/8" (ID)



PS: ALL TIRE GAUGE ALLOW CHANGABLE THE PLUG WITH MILTON, ARO, ORION, NITTO, OR TRU-FLATE.... TYPE

- (1) PA-5524 3 Function Tire Gauge
0~170 Lbs/IN², 0~12KG/CM²
- (2) PA-5525 3 Function Tire Gauge (W/ 2" Dual Gauge & Clip On Air Chuck)
0~170 Lbs/IN², 0~12KG/CM²
- (3) PA-6572 Deluxe Inflator Gauge (W/ 2" Dual Gauge & Clip On Air Chuck)
0~120 PSI
- (4) PA-8500 3 Function Tire Gauge (W/ 2" Dual Gauge & Clip On Air Chuck)
0~200 PSI, 0~14KG/CM²
- (5) PA-6570 3 Function Tire Gauge (W/ 3.5" Dual Gauge & Clip On Air Chuck)
- (6) PA-5511 3 Function Tire Gauge (W/ 2" Dual Gauge & Clip On Air Chuck)
0~170 Lbs/IN², 0~12KG/CM²
- (7) PA-5515 Tire Inflator/Deflator
- (8) PA-6573 3 Function Tire Inflator (W/ 2" Dual Gauge & Clip On Air Chuck)
0~220 PSI, 0~15KG/CM², 15BAR, 1500Kpa
- (9) PA-2242 H/D 3 Function Tire Gauge
0~160PSI, 0~11KG/CM², 11BAR, 1100Kpa
- (10) PA-2241 H/D 3 Function Tire Gauge
0~160PSI, 0~11KG/CM², 11BAR, 1100Kpa



PS: ALL TIRE GAUGE ALLOW CHANGABLE THE PLUG WITH MILTON, ARO, ORION, NITTO, OR TRU-FLATE.... TYPE

- (1) PA-8501 3 Function Tire Inflator (W/ 2" Dial Gauge & Tire Chuck)
0~220PSI, 0~15KG/CM², 15BAR, 1500Kpa
- (2) PA-8502 3 Function Tire Inflator (W/ 2" Dial Gauge & Tire Chuck)
0~220PSI, 0~15KG/CM², 15BAR, 1500Kpa
- (3) PA-5521 Tire Inflator Gauge (W/ Dual Tire Chuck)
20~120PSI
- (4) PA-5522 3 Function Tire Inflator (W/ Dual Tire Chuck)
10~120 PSI, 1~9KG/ CM², 1~9BAR, 100~900Kpa
- (5) PA-5526 3 Function Tire Inflator (W/2.5" Dial Gauge & Tire Chuck)
0~220PSI, 0~15KG/ CM², 15BAR, 1500Kpa
- (6) PA-5527 3 Function Tire Inflator (W/2.5" Dial Gauge & Clip On Air Chuck)
0~220PSI, 0~15KG/ CM²
- (7) PA-6617K 4-in-1 Inflator (Tire Inflator, Tire Gauge, Air Release, Air Blow Gun)
- (8) PA-5500K 3 Function Tire Inflator Gauge Kit



PA-5517C
With clamp chuck

PA-5517T
with truck chuck



PA-5517B
with TWO chucks
(clamp chuck/truck
chuck)

3 In 1 Inflator PA-5517C / PA-5517T / PA-5517B

Features:

- Stainless steel hose
- Tire pressure check
- Deflation
- Inflation
- Complying with ANSI / ASME B40.100 standard
- CE certified

Specifications:

- Dial Diameter: 3 inch
- Pressure Range: 220psi
- Lens: Acrylic
- Rubber Protector: RED or Black
- Hose : Stainless Steel Ø13x400mm
- 360° Swivel Chuck plus two options below:
 - (1) Truck chuck (handle included): Extension Bar Dual chuck
 - (2) Clamp chuck
- Lever: Chrome-Plated Steel
- Hang hook: Stainless Steel
- Inflator Body: Nylon Black
- Quick release coupling adapter: 1/4"NPT Female Plug
- Accuracy: ±3%~±2%~±3% (ANSI/ASME B40.100 standard)



KA-1294 Digital Air Inflator W/Gauge

- Body: plastic ABS
- Air Inlet: 1/4" male
- Operating Pressure: 90PSI
- Phosphorescent dial print allows night reading
- 360° rotation dial with PVC casing
- 360° hose rotation
- Large LCD display for easy reading
- Measuring range from 5-120 PSI
- Ergonomic handle design with easy squeeze trigger limits hand fatigue & risks of injury
- Air release knob perfect to release air residue after applications
- Patent in Taiwan, USA, Europe, Japan
- CE (DTI03)



KA-1295 Digital Air Inflator W/Gauge

- Body: Aluminum, 1/4" Male
- Gauge: 2"
- Large LCD display for easy reading
- Measuring range from 5-120 PSI
- Automatic shut off after 45 seconds of Non-Usage to conserve battery life
- 360° rotation dial with PVC casing
- 1/4" rubber hose , 35cm
- Clip
- CE (DTI03)



KA-2805 Digital Tire Inflator

- Three scales included:
 - 0-150 PSI
 - 0-1000 KPA
 - 1-10 BAR
- Air Inlet: 1/4" NPT
- 360° swivel clip on brass air chuck



KA-1296 Digital Tire Inflator

- Body: ZINC, 1/4" NPT, Female
- Gauge: 2"
- Large LCD display for easy reading
- Measuring range from 5-120 PSI
- Automatic shut off after 45 seconds Non-Usage to conserve battery life
- 1/4" rubber hose, 33cm
- Dual chuck 6" steel
- CE (DTI03)



KA-1235 Deluxe Tire Pressure & Tread Depth Gauge

Specifications:

- Dial Diameter: 2 inch
- Pressure Range: 0~120 psi
- Tread Depth: 12mm & 15/32"
- Housing: Black-Painted Steel
- Ring: Chrome-Painted Steel
- Lens: Acrylic
- Stem with release button & 45 Degree Chuck (RED)
- Rubber Protector



KA-1236 Digital Tire Pressure Gauge

- Pressure Range: 0~99psi / 0~7bar
- Temperature Range
0°C to 50°C/Operating
10°C to 70°C/Storage
- Battery: Lithium Battery CR2032 Up to 10000times
- LCD Size: 17.7x7.5mm
- Outside Size: ABS Case 38x83.5x16mm
- Auto off after 90 Seconds

KA-1297

Digital Tire Pressure Gauge

The buzzer will be enable (Bi-Bi ring 15 seconds) when it be detected under 20PSI

- Measure Range: 0.00~11.00 kg/cm²
0.00~150.00 PSI
0.00~1.10 MPA
- Clear, LCD display
- Temperature range: -10° ~ 40°
- Unit changeable: kg/cm² – PSI – MPA
- Power Source: lithium and LR41 Alkaline
- Supply Voltage: MCU – 3.0V
LED – 4.5V
- Patent in Taiwan, USA, Europe, Japan



▲ 4.5V LED light



▲ Increase visibility for any place



▲ Tire pressure examination



▲ The pen clip for easy to carry

KA-1032 Solar-Powered Digital Electronic Tire Pressure Gauge

- Measuring range: 5-150 PSI
- With LCD backlight
- LED light (only use for searching gas vent).
- 4 unit sets conversion: PSI, Bar, Kpa, Kg-cm².
- Dual powered solar panel & lithium battery.



KA-7264 Tire Deflator For "TPMS" Valves

- No need to removing TPMS valve core
- Safely release the air
- Four same sizes noted with position mark help users to install the tire back the same position
- Save time to reset the TPMS system with computer

Feature:

- Thread cup size: 5/16" x 32UNEF
- Pin size: M3 x P0.5
- Red: RF(right-front)
- Blue: RR(right-rear)
- Green: LF(left-front)
- Yellow: LR(left-rear)



Instruction:

Step 1: choose each colorful cup with position mark, and install it with TPMS tire valve

Step 2: Air is released easily

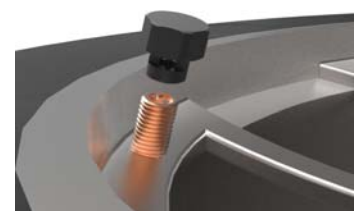
Step 3: Remove the tire and do repair work, then install four tire back to original position

Step 4: Put four colorful cup back to storage EVA



KA-7264A Tire Deflator Set

- Simply replace a standard sized valve cap with this handy tool and the special design will depress the pin in the valve tool and the special design will depress the pin in the valve core.
- Large openings on the sides of the tool allow air to escape quickly from the tire.
- Tool are marked so tires can be returned to their original position on the vehicle so TPMS will not need to be reset.
- Also saves time since the valve core has not been removed from the sensor.





KA-2067 Wheel PCD Gauge

- Designed to measures correctly wheel PCD.
- Slide rule style.
- For most popular 3, 4, 5, 6 lug bolt patterns.
- Pat.
- If you fit wheel with wrong PCD, it would shake and the bolt would wear out easily.

Operation:

1. Place the jaw of KA-2068 to center of wheel bolt.
2. Measuring wheel PCD (Pitch Circle Diameter Explained)



KA-2066 Wheel Alignment W/Digital Protractor

- Perform portable, no heavy turntable.
- One person operation.
- Displays camber, caster, KPI, toe.
- Includes gauge and wheel mount (from 10" to 20").
- Accurate, rugged and easy to use.
- Saves time and money.



Wheel Centering Sleeve Tool Set

Easy to fit centered commercial vehicle wheels.

This tool is screwed on and off with a standard commercial vehicle.

Prevents wheel bolt threads and bolt holes against damage.

Use with 1/2" ratchet head



Item No.	Wheel bore	Bolt thread	Suitable	Q'ty
KA-2166-1821	21mm	M18x1.5	DAF, IVECO, MAN, RENAULT, VOLVO	3pcs/set
KA-2166-1824	24mm	M18x1.5	DAF, IVECO, MAN, RENAULT, VOLVO	3pcs/set
KA-2166-2023	23mm	M20x1.5	Mercedes	3pcs/set
KA-2166-2026	26mm	M20x1.5	DAF, FORD, MAN, RENAULT, VOLVO, MERCEDES, SCANIA	3pcs/set
KA-2166-2226	26mm	M22x1.5	Alloy wheels MAN, MERCEDES	3pcs/set
KA-2166-2232	32mm	M22x1.5	Alloy wheels MAN, MERCEDES	3pcs/set
KA-2166-7826	26mm	7/8-11	Alloy wheels SCANIA	3pcs/set
KA-2166-7830	30mm	7/8-11	Alloy wheels SCANIA	3pcs/set

Operation:

1. Remove wheel assembly , and then clean wheel studs and mounting holes
2. Install centering tools at 12, 4 and 8 o'clock positions (Fig. 1)
3. Install wheel over centering tools.
4. Install wheel lug nuts and lightly tighten.
5. Remove centering tools and replace with remaining nuts.
6. Tighten all nuts to wheel / stud to manufacturer's specification.

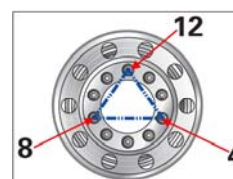


Fig.1

Note: Always follow truck, tire and wheel manufacturer's recommended mounting and install procedures.
Remove centering tools before moving truck.



KA-6985

Wheel Lug Socket for Mercedes Benz

- Socket specially designed for removing wheel nut on Mercedes-Benz S-Series vehicles.
- No damage on wheel nut protection jacket
- M14 x P1.5 wheel hanger makes wheel services fast and energy-saving.

Instruction:

KA-6984 wheel lug socket

- Install the socket onto the wheel nut for removal / installation.
Note: Specially designed socket can work fast and without damaging the wheel nut protection jacket.

KA-6985-M14 wheel hanger

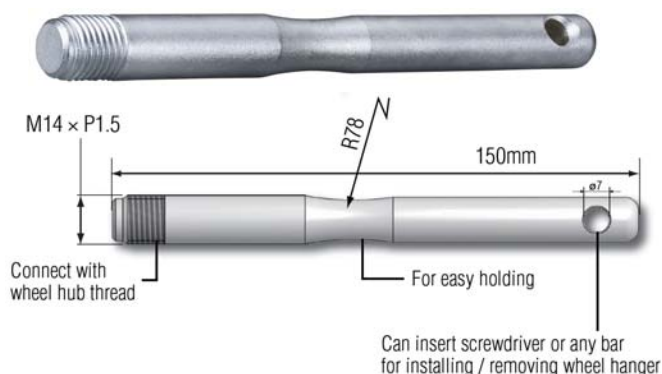
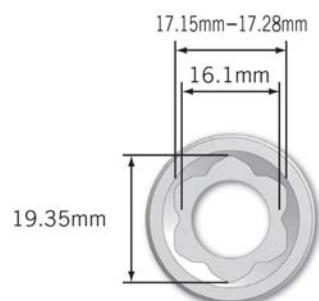


- Wheel can balance itself without using hands.
- Simply screw the wheel hanger on the wheel hub, and then the wheel can be installed fast and easily.



Application- Mercedes BENZ wheel nut socket

BRAND	MODEL	YEAR	BRAND	MODEL	YEAR	BRAND	MODEL	YEAR
Maybach	57	2006-2008	Mercedes-Benz	GLK-Class 280	2008-2009	Mercedes-Benz	ML 63 AMG	2006-
Maybach	62	2006-2008	Mercedes-Benz	GLK-Class 300	2009-2011	Mercedes-Benz	S250	2011-
Mercedes-Benz	CL 63 AMG	2006-2011	Mercedes-Benz	GLK-Class 320 CDI	2008-	Mercedes-Benz	S280	2006-
Mercedes-Benz	CL 65 AMG	2006-2011	Mercedes-Benz	GLK-Class 350	2008-	Mercedes-Benz	S320	2005-
Mercedes-Benz	CL500	2006-	Mercedes-Benz	ML 250	2011-	Mercedes-Benz	S350	2005-
Mercedes-Benz	CL550	2007-2011	Mercedes-Benz	ML 280	2005-2009	Mercedes-Benz	S400	2009-2011
Mercedes-Benz	CL600	2006-	Mercedes-Benz	ML 300 CDI	2009-	Mercedes-Benz	S420	2006-
Mercedes-Benz	GL 350	2012-	Mercedes-Benz	ML 320	2005-2009	Mercedes-Benz	S500	2005-
Mercedes-Benz	GL 500	2012-	Mercedes-Benz	ML 350	2005-	Mercedes-Benz	S550	2007-2011
Mercedes-Benz	GL 63 AMG	2012-	Mercedes-Benz	ML 350 Blue TEC	2011-	Mercedes-Benz	S600	2005-
Mercedes-Benz	GLK-Class 200 CDI	2010-	Mercedes-Benz	ML 420 CDI	2006-2009	Mercedes-Benz	S63 AMG	2006-
Mercedes-Benz	GLK-Class 220 CDI	2008-	Mercedes-Benz	ML 450 CDI	2009-	Mercedes-Benz	S65 AMG	2005-
Mercedes-Benz	GLK-Class 250 CDI	2009-	Mercedes-Benz	ML 500	2005-			



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:

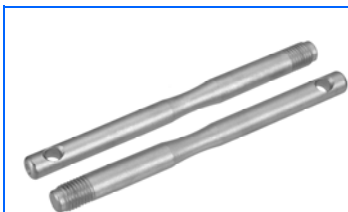
Size	17mm
Length:	78mm
Drive	1/2" dr
Material	Cr-Mo SCM440
Hardness	HRC43-46 degree
Surface finish	Phosphate(black)

KA-6985-M14 Wheel Hanger

- Wheel can balance itself without using hands.
- Simply screw the wheel hanger on the wheel hub, and then the wheel can be installed fast and easily.

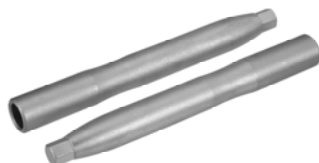
Specification:

Size	M14 x P1.5
Length	150mm
Material	Steel S45C
Hardness	HRC38-43 degree
Surface finish	chrome
Application	Audi, BMW, Citroen, Chrysler, Ferrari, Fiat, Ford, GM, Hyundai, Land Rover, Lamborghini, Mercedes-Benz, Opel, Peugeot, Porsche, Renault, Rover, Saab, Seat



KA-6985-M12
2pcs Wheel Hangers

-M12 x P1.5



KA-6985-M12A
2pcs Wheel Alignment Sleeve Tool

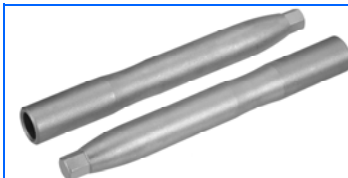
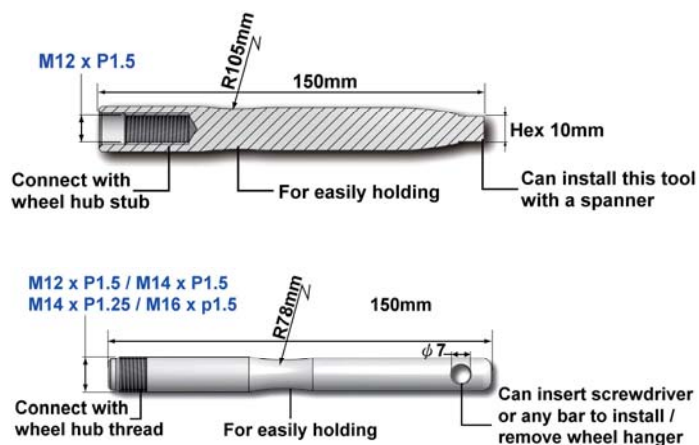
-M12 x P1.25

Features:

- Save energy and time when changing tires and wheels.
- Also provides easier work for disc brake services, preventing brake disc from wobbling.

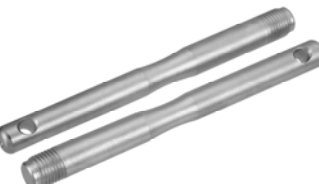
Specification:

- Material: Steel S45C
- Hardness: 38 – 43 degrees



KA-6985-M12S
2pcs Wheel Hanger Sleeves

-M12 x P1.5



KA-6985-M14
2pcs Wheel Hangers

-M14 x P1.5



KA-6985-M14A
2pcs Wheel Hangers

-M14 x P1.25



KA-6985-M16
1pc Wheel Hanger

-M16 x P1.5



KA-6876B
5pcs Wheel Hanger Set

Wheel hanger sleeves

- 1 x M12 x P1.5

Wheel hanger

- 1 x M12 x P1.5

- 1 x M14 x P1.25

- 1 x M14 x P1.5







- 1 x M16 x P1.5



KA-6876A Wheel Stud Alignment Guide Tool (8pcs/set)

- Assists when mounting wheels, especially late models with long lug bolts.
- Applicable: all Mercedes models with lug bolts.
- Size: 12mm x 1.5, 12mm x 1.25, 12mm x 1.75, 14mm x 1.5 (each x 2pcs)

Instruction:

	<p>Sleeve Type(Female)– for disc brake service <i>No more brake disc wobbling</i></p> <div data-bbox="373 1473 651 1684"></div> <p>No need to screw a lug nut to stabilize brake disc for brake caliper nut again for installing wheel</p> <div data-bbox="758 1473 1037 1684"></div> <p>Simply screw the wheel hanger on a wheel hub stub, and then brake caliper mounting and wheel installation can be done easily and fast.</p>	<p>Sleeve Type(Female) – for tire service</p> <div data-bbox="1157 1473 1442 1684"></div> <ul style="list-style-type: none">■ Hands-free wheel balancing■ Simply screw the wheel hanger on a wheel hub, and then wheel installation can be done easily and fast
	<p>Bar Type(Male) – for tire service</p> <div data-bbox="387 1879 673 2092"></div> <ul style="list-style-type: none">■ Hands-free wheel balancing■ Simply screw the wheel hanger on a wheel hub, and then wheel installation can be done easily and fast	



Type Change Presser

- Material: PA+30% fiber

Item No.	Dimension (mm)	Weight
KA-2175A	290 x 150 x 50	560g
KA-2175B	130 x 72 x 160	290g



Valve Screwdriver

- Double sided usable for short and / or long valves.
- Also suitable for use as a socket cap driver.

KA-5281A : Cars, commercial vehicles and construction machines.

KA-5281B : Cars, and Vans



KA-5266 Wheel Stud Alignment Guide Tool

- Assists when mounting wheels, especially late
- Models with long lug bolts
- Applicable: all Mercedes models with lug bolts

Content:

M12 x 1.25	wheel stud alignment guide tool	x 2pc:
M12 x 1.50	wheel stud alignment guide tool	x 2pc:
M12 x 1.75	wheel stud alignment guide tool	x 2pc:
M14 x 1.25	wheel stud alignment guide tool	x 2pc:
M14 x 1.50	wheel stud alignment guide tool	x 2pc:
M16 x 1.50	wheel stud alignment guide tool	x 2pc:
M12 x 1.50	wheel stud alignment guide tool (Female)	x 2pcs



KA-3767 10pcs Spare Tire Tool Set

- Removes and installs spare tires mounted under vehicle quickly and safely, without damage to pulley systems.
- Set of 8 color-coded tools, each with a unique working end to engage the pulley, to service many makes and models.
- Also includes special offset hand-crank plus color-coded wall rack for storage 10pcs.
- Material: Iron

Contents:

Type / Color	Application
Pin Head / Yellow	Japanese pick-ups
Hex Head / Red	'98' - '01 Dodge full size pick-ups
Flat Head / Purple	GM S-10, Blazer, Jimmy
12mm Square / Orange	Ford F150
Slotted Square / Green	Early model Dodge Durango
Standard Square / Violet	Early model Fords
3/8" Square / White	Late model Ford F & E series
Hook / Light Green	Late model Chevys
Hand Crank	
Tool Rack	





KA-5268



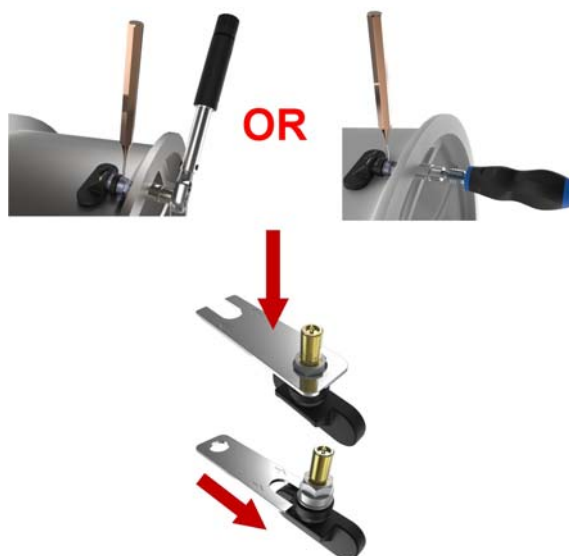
KA-5268A



KA-5268B

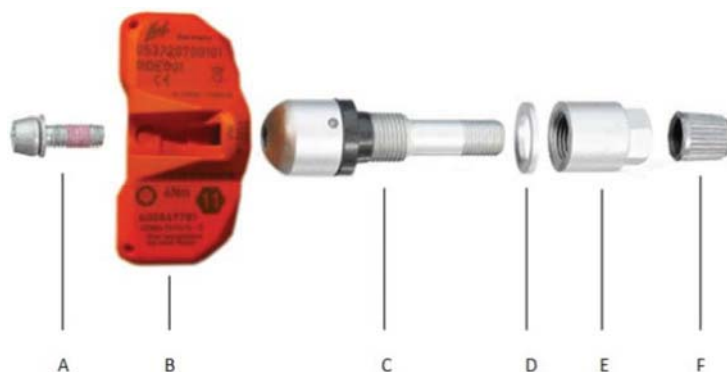
TPMS Tool Assortment

Content:	KA-5268	KA-5268A	KA-5268B
Torque Wrench 2~14 N-m x 1pc	●	—	●
1/4" T-handle x 1pc	—	●	—
1/4" T-handle screwdriver 175mm x 1pc	—	●	—
Torque tool for valve and sensor assembly 0.5~3.5 N-m x 1pc	●	●	—
Torque tool for valve and sensor assembly 3.5~9.0 N-m x 1pc	—	●	—
Splint driver 2mm x 1pc	—	●	—
Bit Holder 150mm x 1pc	●	●	—
Socket 11mm, 12mm (each x 1pc)	●	●	●
Bit socket T10, T15, T20 (each x 1pc)	●	●	—
Tire valve removal tool x 1pc	●	●	—
Valve inserting tool torque 0.25 N-m x 1pc	●	●	—
Valve inserting tool torque 0.45 N-m x 1pc	●	●	●



KA-5306 TPMS Installation Set

- Fixed torque 0.45Nm for tire valve core
- Adjustable torque 1.4 / 3.3 / 4 Nm for assembling TPMS
- TX-bits T10, T15, T20
- Holder thorn 2mm





KA-5298 4pcs Wheel Internal Thread Kit

- For use on vehicles that use wheel bolts.
- Application:
 - M12 x 1.25 for PSA
 - M12 x 1.5 for Mercedes Benz and BMW
 - M12 x 1.75 for Volvo
 - M14 x 1.5 for VAG models



KA-5309

BMW Wheel Screw Lock Socket Set

Content:

#30(13PT), #31(15PT), #32(16PT), #33(17PT), #34(18PT), #35(19PT), #36(20PT), #37(21PT), #38(22PT), #40(23PT), each 1 pc.



KA-3737 Toyota Wheel Lock Socket

- Special design grips wheel lock well for easier removal.
- Socket material: SCM 439, Hardness 50~53 degree
- Grip stick material: SCM 440, Hardness 48~52 degree
- Suits Toyota, Near all 1922-



KA-3738 Spare Tire Socket for Lexus & Toyota – 23mm x 5PT

Feature:

- Special pentagon socket provides time-saving when working tire change.
- For nearly all Lexus SUV, Toyota mini van & SUV.

Application:

- Lexus: SUV 2005-
- Toyota: Mini Van & SUV 2006-

Specification:

- Size: 23mm, 5PT
- Outside Hex: 21mm
- Total length: 100mm
- Material: CR-V 50BV30
- Hardness: 42~45 degree
- Surface finish: Phosphate (black)



KA-5311 Tire Valve Retracting Tool

- For pulling rubber-covered valves of different sizes into the rim holes of tubeless tires.
- T-handle allows installing the valve without lifting it over the rim edge.





KA-5314 12pcs Wheel Stud Installer Kit

Self-centering to insure that the stud is installed at the correct angle.
Kits include a bearing seat and nut
Will not damage wheel stud threads Automotive kit.

- Sizes: 7/16"×20 UNF, 1/2"-20 UNF, M12×1.25, M12×1.50, M12×1.75, M14×1.5
- Wheel Internal Thread Kit:
Sizes: M12×1.25mm, M12×1.5mm, M12×1.75mm, M14×1.5mm
- Application: Mercedes-Benz Models



KA-5315 13pcs Wheel Stud Installer Kit

Self-centering to insure that the stud is installed at the correct angle.
Kits include a bearing seat and nut
Will not damage wheel stud threads Automotive kit.

- Sizes: 7/16"×20 UNF, 1/2"-20 UNF, M12×1.25, M12×1.50, M12×1.75, M14×1.5
- Wheel Internal Thread Kit:
Sizes: M12×1.25mm, M12×1.5mm, M12×1.75mm, M14×1.5mm
- Application: Mercedes-Benz Models



KA-3745 Protection Cap Pliers

- For safe and damage-free removal of plastic protection cap from wheel bolt.
- Suitable for VW-Audi, Seat, Skoda, Opel, Vauxhall, etc.



KA-5288 Wheel Nut Cap Pliers

- Solid, hard to reach caps of wheel bolts / nuts pull off without damage and fast.
- Enables the damage-free removal of wheel nut caps on Aluminum rims.
- The pliers' jaw tips are especially shaped for the nut caps.
- Suitable for : AUDI, VW, and OPEL, etc.



KA-5328 Vehicle Wheel Stud Installer

- Use with a ratchet or impact wrench to pull the new stud securely in place. Position the tool over the stud shaft. Tighten the lug nut against the tool to pull the stud in place. Works on most all automotive and light-duty truck wheel studs, import and domestic.
- Note: the bearing will wear with use and is not warranted.



KA-5328T Truck Wheel Stud Installer

- Use with a ratchet or impact wrench. The tool body is equipped with a thrust bearing to easily pull the new wheel stud into place.
- Fits truck wheel studs up to 22mm (7/8") in diameter. Use the lug nut to tighten against the tool body to pull the stud in position.





KA-5350 Dual Wheel Separator

- Makes removing stuck or frozen dual steel wheels quick and easy. Ideal for use on nearly any truck, bus, van or trailer that has dual steel wheels.
- Innovative "One-piece" pusher won't fall apart during use.
- Pusher is ball bearing-driven for near-zero turning resistance.
- Pusher is heat treated for long-lasting strength and durability.
- Forcing screw and pullers have powerful 1-1/8" diameter x 11 threads for years of reliable service.
- Includes two pullers to cover large truck, trailer and smaller light truck dual wheel applications.
- Use with air or electric impact wrench.



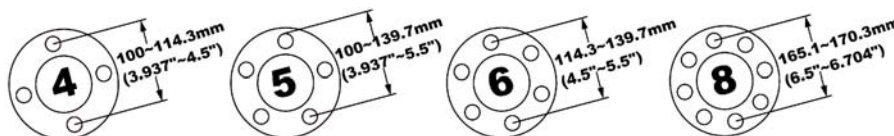
KA-5352 Truck Valve Remover / Installer

- To remove and install the valve of truck.
- Japan truck repair tool.
- Special steel.
- Application range: FUSO 3.5 tons, FUSO over 15 tons, Hino 750, Isuzu 180, Isuzu 200
- Screw size: M16 x P2.0*M14 x p1.5*240mm(L)
M16 x P2.0*M12 x p1.75*240mm(L)
M16 x P2.0*M10 x p1.5*240mm(L)
M16 x P2.0*M10 x p1.25*240mm(L)
M16 x P2.0*M8 x p1.25*240mm(L)



KA-5432 Wheel Hub Holding Tool

- Can also be used to hold rear differential yoke on solid axle vehicles during pinion seal or bearing service, as well as many other types of machines with drive shafts, yokes and universal joints.
- Used to hold the wheel hub in place while the axle nut is removed / installed or wheel bearing service.
- 1/2" square drive for breaker / extension bar.
- Works on vehicles with wheel stud bolt patterns ranging from 4 x 100mm (3.937") to 8 x 170.3mm (6.704").



Truck Mount / Demount Tool

- CR-V tyre lever with hook ends.
- Suitable for use on commercial vehicle tyres.

Item No.	L (cm)	Ø (mm)
KA-5411A	940	19
KA-5411B	940	22



KA-5424 Wheel Stud Alignment Guide Tool

- Special design to protect the wheel threads when taking off the wheel.
- With inside thread for exact mounting of truck wheels and avoid damaging the thread.

3pcs M18 x P1.5	DAF, UNIMOG, IVECO, MAN, Renault, Volvo
3pcs M20 x P1.5	Mercedes-Benz
3pcs M22 x P1.5	DAF, MAN, Mercedes-Benz, Ford, Renault, SCANIA, Volvo



KA-2166-2226A 3 Pcs Centering Sleeve Set

- For fast disassembly and assembly of truck tyres.
- No damage to thread as well as exact centering of the wheel to hub nut by tapered sleeves.
- Application: DAF, FORD, MAN, MERCEDES-BENZ, RENAULT, VOLVO.
- High precision due to precise threading.

Specification:

- Drive: 1/2".
- Length: 115 mm.
- Internal thread: M22 x 1.5.
- For rim hole: Ø26mm.
- Black Oxide Finished.

KA-6989 Wheel Stud Pilot Pin Set

- To easily remove and install the wheel on many vehicles.
- The wheel stud pilot pin allows you to hang the wheel without having to balance the wheel on the small lip of the hub.



Application	
M12 x P1.25	Alfa Romeo, Chrysler, Dodge and Fiat
M12 x P1.5	Audi, Alfa Romeo, BMW, Mercedes, Mini, Porsche, Vauxhall, Volvo and VW
M14 x P1.25	BMW and Mini
M14 x P1.5	Audi, BMW, Citroen, Chrysler, Ferrari, Fiat, Ford, GM, Hyundai, Land Rover, Lamborghini, Opel, Mercedes, Peugeot, Porsche, Renault, Rover, Saab, Seat, Skoda, Vauxhall, Volvo and VW.



KA-2196 Tire Repair Tool

- For Pneumatic and Manually.
- Quick, easy, reliable

For car: use double collars to set
For motorcycle: only one



<p>Flat Tire! 1. Inflated to 30lb.</p>	<p>2. Remove nails & hold on hole.</p>	<p>3. Turn the screw to push the needle into the tire</p>	<p>4. Fix the tire</p>
---	--	---	------------------------

Preset Torque Wrench

- 1/2" Drive
- Tolerance of torque $\pm 4\%$
- 105° angle in direction
- Audible "click" when torque reached.
- Quality meets DIN ISO 6789 & ASEM B 107.300-2010



Item NO.	Square Drive	Ft-lb	Color	Length (mm)	Weight (g)	Case/CTN
KA-9247-06F	1/2"	60	Black	428	824	12
KA-9247-07F		70	Yellow	428	824	12
KA-9247-08F		80	Gray	428	824	12
KA-9247-20F		120	Red	428	824	12
KA-9247-40F		140	Blue	428	824	12

Item NO.	Square Drive	Nm	Color	Length (mm)	Weight (g)	Case/CTN
KA-9247-09N	1/2"	90	Black	428	824	12
KA-9247-10N		100	Yellow	428	824	12
KA-9247-11N		110	Gray	428	824	12
KA-9247-12N		120	Red	428	824	12
KA-9247-13N		130	Blue	428	824	12



Preset Torque Wrench Set

Item No.	Preset Torque Wrench	Nm	Socket
KA-9248-09NK	KA-9247-09N	90	17, 19, 21
KA-9248-10NK	KA-9247-10N	100	17, 19, 21
KA-9248-11NK	KA-9247-11N	110	17, 19, 21
KA-9248-12NK	KA-9247-12N	120	17, 19, 21
KA-9248-13NK	KA-9247-13N	130	17, 19, 21
KA-9249A	KA-9247-09N,10N,11N,12N,13N	90,100,110,120,130	--
KA-9249AK	KA-9247-09N,10N,11N,12N,13N	90,100,110,120,130	17, 19, 21



Tire Repair Tool Kit

	KA-9057A	KA-9057A1
Co2 Cylinder 16g *3pcs	•	•
Co2 Cylinder Cover *1pc	•	•
Small Knife *1pc	•	•
T-handle Tire Plug Tool *1pc	•	•
T-handle Screw Drill *1pc	•	•
Tire Seal 10cm x 5 strips (4") *1pc	•	•
Co2 Connection Pipe *1pc	•	•
Plastic Adapter *1pc	•	--
Steel Adapter *1pc	--	•



KA-3029F 5 in 1 Wheel Balancing Weight Pliers

- Patented Special Design Pliers Jaw for Removing / Installing Stick-on and Clip-on Wheel Weights.
- 5-in-1 Application: Remove & Install the Stick-on Weight, Remove & Install the Clip-on Weights. Hammer
- For Removing and Installing the Stick-On Wheel Weight: The Pliers doesn't Touch the Alloy Wheel.
- The Jaw Grips the Edges, not under the Adhesive Weight. So it does not Damage the Rim.
- Leave the White Wlastic Wap ON for Stick-on Weights
- For Removing and Installing the Clip-On Wheel Weight: Please "remove" the Plastic Cap.
- The Jaw Clamps the Clip-On Wheel Weights.



KA-3029C

Stick-On Wheel Weight Pliers

- Easy & Quick To Remove Stick-On Wheel Balancing Weights.
- The Plastic Cover on The Jaws And Hammer Protect The Alloy Rims From Damaging or Scratching.
- Adjustable Jaws Fit Different Types of Wheel Weight.



KA-2416

Tire Lever

240mm (9.5")

KA-2417

280mm (11")

KA-2418

380mm (15")

KA-2419

530mm (21")

KA-2582

650mm (26")



Tire Lever

KA-2581

525mm



Tire Lever

KA-2418B

380mm (15")

KA-2419B

530mm (21")

KA-2582B

650mm (26")

Tire Lever - Shovel Type



KA-2400

Chrome Plated

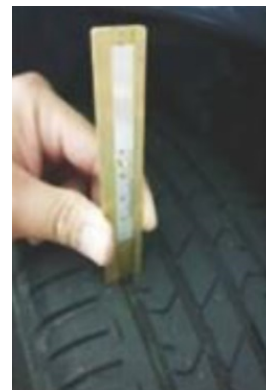
KA-2400MAG

Manganese Phosphate (Black finish)



KA-3823 Tyre Tread Depth Gauge

- Measure tyre profile depth.
- Measuring depth 30mm.
- Graduation in 0.1mm steps show an exact determination of the tread depth.
- Glare-Free Reading
- Sturdy, Robust, Lightweight, Easy to handle.
- Material: Brass



KA-3824-L Lug Nut Flip Socket 22 x 24MM (Duo Size in One Socket)



Description:

- Two sizes 22mm ,24mm in one socket
- Special Socket for removing the warped and mangled chrome-cap style lug nuts found on many GM, Ford, Chrysler, Toyota, Honda, Range Rover.
- Made of SCM440 black phosphate finish for high corrosion-resistance.
- Maximum socket life.
- Internal: 1/2" square drive.
- 6 point socket.



KA-3824 5pcs Flip Socket Kit

Description:

- Single duo-size flip socket enable quick & handy fastener removal of 8 distinct tire lug nut sizes.
- 4 flip sockets: 19 x 21 mm, 18.5 x 19.5 mm, 21x21.5mm,22x22.5mm & 1/2" extension bar.
- Special Socket for removing the warped and mangled chrome-cap style lug nuts found on many GM, Ford, Chrysler, Toyota, Honda, Range Rover.- Made of SCM440 black phosphate finish for high corrosion-resistance.
- Maximum socket life.



KA-1081

Truck Tire Inflator Kit with Dual Chuck & Glad Hands Connector

- Especially for Truck with Glad hand Equipment.
- A Must-Have Tool for Any Truck Driver.
- Use The Compressed Air Source Located in Your Vehicle.

Content:

- Glad Hand Connector
- 12" Straight Dual Foot Chuck: Efficient, Quick & Easy To Inflate the Tire.
- 50ft Long Hose: 15M, 300 PSI, 8x12mm Hybrid
- * Medium: Non-Corrosive gas
- * Temperature Range: -40 -60°C





Stud And Hub Cleaning Tools

- Faster and easier to clean wheel studs and wheel hub.
- Quick change brushes and grinding pads.
- Can be operated by cordless drill or impact wrench.
- One tool to fit two brushes and five pads.
- Only take 5 seconds to change brushes.
- Content: 1/2" Dr. adapter, 2 brushes, 5 grinding pads

	PA-A-2016	PA-A-2017
Brush Size * Do not use exceed 1,800 rpm	13mm , 18mm	14mm , 22mm
Hub grinding pad * Do not use exceed 8,000 rpm	Ø23mm X 3pcs , Ø15mm X 2pcs	

How to Assemble:

1. Select desired Brush or Pad. Fit to the Driver Adaptor.
2. Assemble to Cordless Drill or Impact Wrench.



Application: Truck Wheel, Drive Shaft



Remove Rust



PA-A-2018 Stud Cleaning Tool

- Faster And Easier To Clean Studs
- Takes only 5 Second to Change Brushes.
- ONE Tool To Fit SIX Sizes Of Brush.
- Only Take 5 Seconds To Change Brushes.

Content:

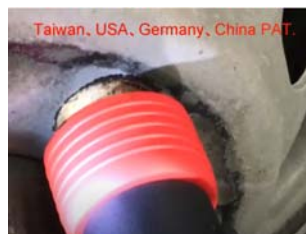
1/2" Dr. Adapter
6 Brush size: 12mm (7/16"), 13mm (1/2"),
14mm (9/16"), 16mm (5/8"),
22mm (7/8"), 28mm (1-1/8")

How to Assemble:

1. Select desired Brush or Pad. Fit to the Driver Adaptor.
2. Assemble to Cordless Drill or Impact Wrench.



Application: Wheel Studs



Before



After





KA-3231F Wheel Stud Service Kit

- This kit provides total solutions for wheel studs.
- Flip socket with impact extension bar can easily loosen and tighten wheel nuts / wheel studs.
- Stud cleaning tool and hub cleaning tool that drive by impact wrench
- can remove dirt and rust on wheel studs and hub easily.
- Wheel stud installer pulls new wheel stud into position within seconds.
- Bearing designed prevents potential damage of wheel studs or wheel nuts.

Content:

- Flip socket size: 17-19mm, 3/4"-13/16", 19-21mm
- 1/2" Dr. x 3" Impact extension bar.
- Stud cleaning brush size: 12mm
- Hub cleaning pad size: \varnothing 15mm
- Wheel stud installer: Fits wheel studs up to 14mm(9/16")



KA-3231FL Wheel Stud Service Kit

- This kit provides total solutions for wheel studs.
- Flip socket with impact extension bar can easily loosen and tighten wheel nuts wheel studs.
- Stud cleaning tool and hub cleaning tool that drive by impact wrench can remove dirt and rust on wheel studs and hub easily.
- Wheel stud installer pull s new wheel stud into position within seconds. Bearing designed prevents potential damage of wheel studs or wheel nuts.

Content:

- Flip socket size : 21-22mm, 21mm-7/8 ", 7/8"-15/16"
- 1/2" Dr. x 3" Impact extension bar.
- Stud cleaning brush size : 14 mm
- Hub cleaning pad size: 23 mm
- Wheel stud installer: Fits wheel stud s up to 22mm (7/8")



KA-3231L Drive Axle / Axle Nut Service Kit

- This kit provides total solutions for drive axle and staked axle nut.
- Deep impact axle nut socket made by CR-MO steel, 1/2" Dr., 12 points.
- Stud cleaning tool and hub cleaning tool that drive by impact wrench can remove dirt and rust on drive axle and hub easily.
- Special designed Staked Axle Nut Punch provides easy and fast way to both un-stake and stake axle nuts.

Content:

- Deep axle nut socket size: 30, 32, 34, 36, 39mm
- Staked axle nut punch (KA-3231-P)
- Stud cleaning brush size: 22mm
- Hub cleaning pad size: \varnothing 23mm (2pcs)

KA-3231-P Staked Axle Nut Punch

- Special designed Staked Axle Nut Punch provides easy and fast way to both release and stake axle nuts.
- Suitable for crush type axle nuts found on many vehicles.
- Using the punch simply with a hammer to fully disengage the staked axle nut and reducing the damage to the threads.
- This punch can also re-stake the new axle nut to lock it in place.





KA-9004NK Tire Repair Kit With Clip Remover Plier

- 1 Pc-Trim Plastic Rivets Plier
- 1 Pc-Split Eye Tire Repair Tool
- 1 Pc-Spiral Needle Tire Repair Tool
- 5 Pc-Rubber Strips



KA-9004NK-SN Spiral Needle Tire Repair Tool With Metal T-Handle

- Durable Metal T-Handle Design
- Chrome-Molybdenum Steel Tip
- Changeable Tip Design



KA-9004NK-SE Spiral Eye Tire Repair Tool With Metal T-Handle

- Durable Metal T-Handle Design
- Chrome-Molybdenum Steel Tip
- Changeable Tip Design





KA-6354 Lug Nut Cap Remover

- Removes lug nut caps found on heavy-duty trucks
- The specially coated jaws won't slip off
- Cushioned handles made pliers more secure in your hand



KA-6354A
large type



KA-2801 Hose Clamp Pliers

- For Removing or Installation of Spring Band Hose Clamps found on Exhaust Pipe, Under Chassis Pipe and Hoses.
- Assembled with locking lever for opening jaws.
- Max. Jaw Opening: 60mm
- Weight: 415g
- Length: 300mm

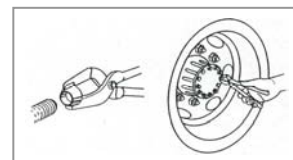


Open-Locking Lever



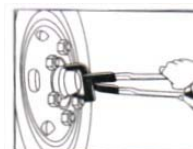
KA-7318 Axle Stud Cone Plier

- For All Popular Medium And Heavy-Duty Truck Axles
- Expands Tapered Cone, Speeds Axle Disassembly



KA-2326 Hub Cap Plier

- Professional tool for removing the hub cap of automobile.
- Should not use this tool for the truck over 4 ton, because which hub cap is fixed by bolt.
- L: 495mm



KA-2931 Hose Remover Plier



KA-3979 PSA Exhaust Pipe Clamp Pliers

- Special Design to hold open spring clamps when removing or installing exhaust pipes when removing or installing exhaust pipes.
- Total length: 30mm
- Max. jaws opening: 60mm





KA-2112 Bent Type C.V. Boot Hose Clamp Cutter

- Design easy to cut the stainless steel clamp
- Avoid to harm C.V boot
- With harden est material SKS III
- Use capacity for hose clamp.
Width: under 10mm
Thickness: under 0.5mm-0.7mm
- L: 8 1/2" (216mm)



KA-2113 C.V. Boot Hose Clamp Cutter

- Design easy to cut the stainless steel clamp
- Avoid to harm C.V boot
- With harden est material SKS III
- Use capacity for hose clamp.
Width: under 10mm
Thickness: under 0.5mm-0.7mm
- L: 8 1/2" (216mm)



KA-8014K C.V. Boot Service Kit

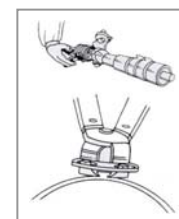
Contents:

- KA-6002 CV joint boot clamp plier
- KA-6003 CV boot clamp plier
- KA-6435 CV boot clamp installer with cutter
- KA-2112 Bent Type CV Boot Hose Clamp Cutter
- Hose Clamp



KA-5006 Offset Boot Clamp Pliers

Crimps Ear-Type Clamps in Hard-to-Reach Areas.
A special boot clamp crimping plier designed to work in confined space. Use plier parallel to the boot to crimp the clamp, unique offset design allows you to work on clamps on large size boots. Top plate on pliers flattens crimp. Works on most all ear-type clamps except those requiring a torque reading.



KA-5007 C.V. Dust Boot Clamp Plier

- Special tips on pliers allow mechanic to grip clamp in many positions and to tighten clamp around the boot. Designed form notched clamps.
- 7-1/4" (184mm) OAL.



KA-7013 Perma-Quick Boot Clamp Pliers

- For ear type clamps.
- For easy installation of Perma-Quick type hose in fuel filers, cooling system hoses, vacuum lines, and CV joint boot clamps. Jaws crimp clamps.



KA-7774 Clamp Pliers

- For removing the axle collar clamps on passenger cars, such as MAZDA, NISSAN, HONDA, MERCEDES-BENZ, BMW, OPELM VW & AUDI
- Made with lug holding-down device.
- Length: 230mm



KA-3662 C.V. Boot Band Cutter

- Special design to easily cut the stainless steel clamps without damaging the CV boot.
- Spring loaded action with heat treated 440 steel jaws and comfort grip handles.
- Length: 8-1/2" (216mm)



KA-6533 C.V. Boot Banding Tool

For use with boot band clamps



KA-6435 C.V. Dust Boot Clamp Installer With Cutter

- H/d professional tool is used to install & cutter clamp
- Use 1/2" socket wrench to wind & crimp by hand tool is easily disengaged from the band after the band is tightened
- Cut off easily with built in cutting arm w/o any tool



KA-7024 C.V. Joint Banding Tool W/Ratchet Cutter



KA-6532 C.V. Boot Banding Tool W/Cutter

Easy remove by sliding side ways after winding has been complete. Instructions: place band around boot and through nose of tool and through slot in winding body. Using a 1/2" socket wrench or by hand wind the band until sufficient tension is applied. Rotate handle over the boot to lock the band. Slide tool free-end down with a hammer.



KA-6319 Banding Tool

For the clamps of CV joints

- Unwind the band 1 of 2 turns from the winding mandrel and cut leaving approximately 1/2"
- To complete clamping, Fold down the remaining tail of the band into the clip and secure it by tapping down the ears of the clip.

Note: for added strength, double-wrapped band is recommended



KA-1259 3pcs C.V. Boot Band Service Set



KA-7009 C.V. Boot Clamp Pliers

For Earless-Type Clamps

A sturdy, low-cost tool. Works on earless-type clamps including those found on GM inboard CV joints.



KA-6003 C.V. Boot Clamp Pliers

For Earless-Type Clamps

A sturdy, low-cost tool. Works on earless-type clamps including those found on GM inboard CV joints.



KA-5007-A C.V. Boot Clamp Pliers

For Easy Installation of Ear-Type Clamps on Fuel Filters, Water Pumps, Other Cooling System Hose, and CV Joint Clamps.

- Length: 245mm
- Weight: 535g
- Jaw opening: 23mm (max)
- Red Coating Handle
- Can be used with 1/2" SQ. Drive Torque Wrench



KA-2887 Axle Collar Clamps Pliers

- A Great Tool for Tightening & Closing the "Endless Hose Clamp" on Axle Collars, which is used on FIAT, NISSAN, RENOULT.
- A Great Tool for Tightening the CV Joint Boot Clamp, roll bands and clips.
- Can be used with 1/2" Socket or Wrench to wind the mandrel, or wind the mandrel alone for tightening.
- "Cutting Device" is provided.



KA-5005 C.V. Boot Driver

For G.M. front wheel drive cars.

Removes and installs boots for GM FWD cars with stamped retainer rings.



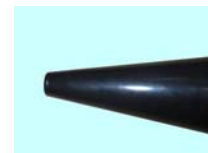
KA-3783 Clamp Pliers

- Suitable for pregressively adjustable metal clamps (without lug holding down device) installed (fitted) on axle boots (rubber boots).
- Special claws for easy application
- For VW, Audi, Seat, Skoda, Opel, Ford...etc



KA-P0001-CONE Installer Cone for Small CV Boot

- "Point Head" for easy & smooth installation.
- Size
 - Top diameter: 1.3cm
 - Height: 34cm
 - Bottom diameter: 8.2cm



KA-P0002-CONE Installer Cone for Ordinary CV Boot

- "Point Head" for easy & smooth Installation
- Size
 - Top diameter: 1.5cm
 - Height: 34cm
 - Bottom diameter: 10.7 cm

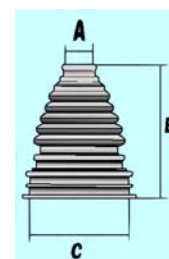


KA-P0001 Small CV Boot Kit

- A. Top diameter: 16-20mm
- B. Height: 82~102mm
- C. Bottom diameter: 56~71mm

Content:

- CV Boot, 2 Clamp, Grease

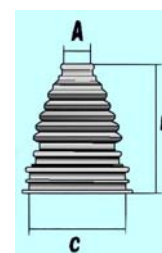


KA-P0002 Large CV Boot Kit

- A. Top diameter: 21~30mm
- B. Height: 85~150mm
- C. Bottom diameter: 58~110mm

Content:

- CV Boot, 2 Clamp, Grease

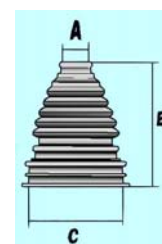


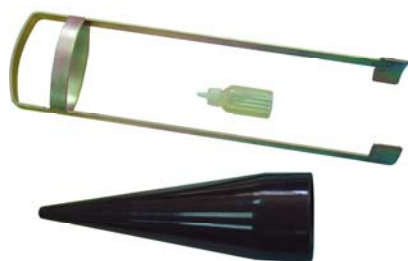
KA-P0004 Universal CV Boot Kit

- A. Top diameter: 19.5mm
- B. Height: 136mm
- C. Bottom diameter: 85mm

Content:

- CV Boot, 2 Clamp, Grease

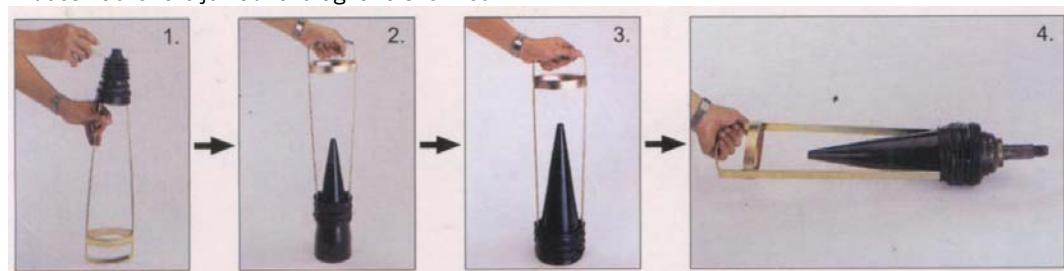




KA-7306K-1 C.V. Boot Installer Set

(CONE. BOOT INSTALLER)

- Squeeze the arm of the installer and place the large end of the boot over. Press in the small end of the boot spray the surface of cone & boot with lubricant.
- Place the cone on the ground and center the boot over the cone.
- Holding the boot to the installer use a firm and fluent motion to press the boot to the cone.
- Place the installer & cone over the joint. Drive the boot over the joint by striking the base of the installer grease the joint. And stretch doesn't over the joint until a tight fit is formed.



KA-7306K Seal Seat Remover & Installer Tool Kit

MOQ: 200



KA-7307A Rubber Seal Seat



KA-P0003K Screw Mechanism Universal CV Boot Installation Kit (Multi-National Patent)

- Keeps your hand free from the grease when changing the CV Boot.
- Size of the Cone:
 - Top Diameter: 1.5cm
 - Bottom Diameter: 10.7 cm
 - Height: 34cm

Operational Manual:

1. Grease the Cone & 2. CV Boot Tip



3. Reverse the tip of CV Boot



4. Put the boot on tip of tool



5& 6. Gently push the Boot through the cone until it reaches the cone bottom.



7. Connect to Electric or Air tools, start the tool until the adaptor link with coupler. Bring the expanded boot through transmission shaft.



9. & 10 Reverse the rotation of the spindle. Until the boot reach original shape.



11. Keep reversing the Air/Electric Tools until the Boot stay on the M Type Tool, and the cone coupler has reached the top of the M type tool. Gently push and remove the cone. And then follow standard procedure of boot installation.



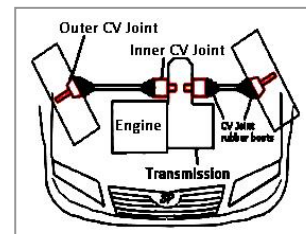


KA-4445 C.V. Joint Circip Remover



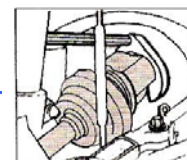
KA-6389 Inner CV Joint Fork

Fork type tool pulls CV joints with hidden retaining rings. Can be used with any TW17 x 10 threaded slide hammer to pull CV joint axle assemblies. Opening: 1-5/8" (47mm)



KA-6390A Inner CV Joint Puller

This 3pc set pulls CV joints having hidden retaining rings. Pry bars can damage expensive aluminum transmission cases, and attempting to do the job by pulling on the axle can damage the roller bearing inside the CV joint. With this puller, the axle assembly is popped out of the transaxle without damage, due to the straight, even pull provided by the 91b slide hammer.



KA-6390 Inner CV Joint Puller

Fork type tool pulls CV joints with hidden retaining rings & joints on 1986-current Taurus / Sable.

With this tool the axle assembly is popped out of trans axle without damage to transmission case or inside roller bearing. Open rate: 48mm.



KA-2500 Inner CV Joint Puller Kit

A complete tool kit for pulling CV joints on Taurus/Sable and other joints having hidden retaining rings. Will not damage the axle assembly even when using the slide hammer. Set contains a slide hammer 5/8" - 18 thread, one extension and pulling fork with a spare locknut.



KA-3967

KA-3967A

CV Joint Assembly Removal Tool

- Fits CV joint on virtually all passenger cars.
- No more need to remove the driveshaft.
- Safely remove the CV joint and save time.

**KA-3967 (Phosphate Coated)
KA-3967A**



KA-2062 C.V. Boot Clamp Pliers With Torque Drive

- For tighten stainless steel clamp-bands on CV-boot with the prescribed tightening torques.
- A 3/8" torque wrench, is required as a drive.
- Minimum working effort-High time saving.



Operation:



1. Close the jaws on the CV boot clamp.



2. Insert assist handle, then use the ratchet to twist the adjustable screw to tighten the ears.



3. Open the clamp, then use hand twists a little the adj. screw again.



4. Close the handle again then clamp will be totally tightened.



Heavy Duty C.V. Boot Pliers

- For fitting stainless steel bands on drive shafts where a torque setting is required.
- The 3/8" torque wrench is ideal to provide the drive.
- Specially-Shaped jaws to open and close the hard-to-reach Clamp Bands.
- Application: VW, Audi, Seat, Skoda, Opel / Vauxhell, Ford etc.

KA-5007B

Material: Steel

KA-5007BA

Material: Aluminum



KA-5007C Steering Gear Boot Band Plier

- The jaws are used to apply the right amount of tension during installation of single eye clamps on the steering gear with clamping pliers.
- Application: Audi A4(2008>) / A5(2008>) / A6(2011>) / A7(2011>) / Q5(2009>)



KA-7040 Drive Shaft Circlip Squeezing Plier

- To pre-tension the drive-shaft circlip during assembly of the outer constant velocity joint.
- By holding the drive-shaft circlip with the special circlip pliers, the outer drive-shaft splines can be easily assembled onto the CV Joint.
- Suitable for: VW-Audi, Ford, Honda, Mazda, Mitsubishi, Nissan, Opel/Vauxhall, Seat, Skoda, Subaru, Suzuki, Toyota, etc.



KA-3741 Hose Clamp Pliers

- Suitable for steeples low profile clamps (Oetiker "192") with $\varnothing 19.5 \sim 120.5\text{mm}$.
- Particular useful for Opel/Vauxhall axle boots as found on Opel/Vauxhall Astra J, Meriva B, Corsa D.
- Allow for quick and trouble-free opening/closing of clamps.



KA-2198 Drive Shaft Joint Inserter

- It is guide of the C-Ring tool.
- Compress the circlip that is spreading, and fix the fixed joint.
- C ring can be reliably held. It can be assuredly assembled.
- Since it is a screw type, you can easily compress the circlip evenly.
- All length: 150mm
- Max open range: 50mm

