



PREMIUM-WERKZEUGE



PREMIUM TOOLS



**MAN - MERCEDES -  
SPECIAL TOOLS**

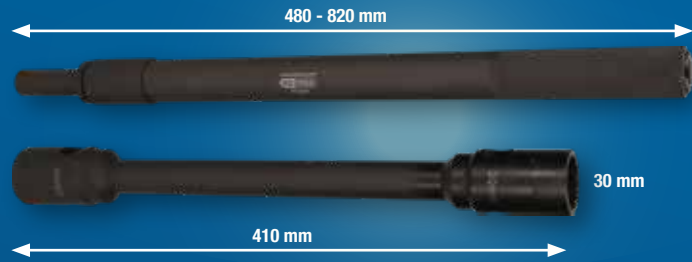


**460.3695**

## COCKPIT KEY SET FOR MERCEDES

- suitable for tilting the cockpit
- ideal for actuating the tilt pump on the cockpit
- 12 point
- with telescopic operating lever (480-820 mm)
- Key width 30 mm and 33 mm
- Serviceable from both sides
- Extremely sturdy execution
- For manual operation
- Special tool steel

Application range: Mercedes 360 / 410 / 440 / 460 / 480 / 550 driver's cab



**2**  
pcs

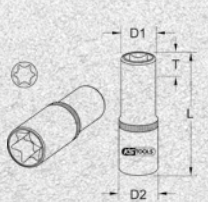


**171,50** €

## TORX-E SPECIAL SOCKET FOR MERCEDES

- For loosening and tightening of the special screw connection of the vehicle body
- Internal square drive to DIN 3121 / ISO 1174
- For machinery usage
- Phosphate finish
- Chrome molybdenum

Application range: Mercedes Bus (405), Unimog (437), Econic (956), Actros (963), Arocs (964), Atego (967), Zetros (949)



	4-point Drive	Dimensions	L mm	D1 mm	D2 mm	T mm	
<b>460.0016</b>	1/2"	E30	46,0	34,0	30,0	30,0	€ 14,90
<b>460.0014</b>	3/4"	E30	111,0	38,0	38,0	31,0	€ 22,90

**455.0110**

## COMMERCIAL VEHICLE COOLING SYSTEM TESTING EQUIPMENT

- For the diagnosis of leakages on coolant systems
- 7 adaptors ≈ 85% coverage of all commercial vehicles
- Optimal and safe seat like original cover
- Manometer with protective rubber cap
- Metall hand pump and flexible tube with decompression valve
- Sturdy design
- Special tool steel

**9**  
pcs

6 x  
M42x3,0 - M45x3,0  
M45x4,0 - M52x3,0  
M62x4,0 - M72x4,0



**287,90** €

## COOLING SYSTEM EXPANDER CONE TEST ADAPTER

- For testing pressure and diagnosing leaks in the coolant system
- Also suitable for filling the cooling system alongside a filling valve
- The pressure generated holds the matching rubber cone in the cooler or expansion tank opening
- Can be fitted directly onto the cooler or expansion tank
- Secure fit due to expansion
- No need to purchase expensive individual adaptors
- Removes need to purchase single adaptors
- Simple handling
- Optimal use alongside KS Test pump 455.0111
- Robust design made from POM (polyoxymethylene)



	Ø mm	Height mm	
<b>455.0141</b>	17,0 - 37,0	170,0	€ 51,50
<b>455.0142</b>	28,0 - 41,0	170,0	€ 52,50
<b>455.0143</b>	37,0 - 50,0	170,0	€ 53,50
<b>455.0144</b>	47,0 - 60,0	170,0	€ 54,50

## 455.0001

### THRUST BOLT SPIGOT SOCKET 22,0X28,5X72,0 MM

- For the disassembly and assembly of the pressure screw on the injector body
- Internal square to DIN 3120 / ISO 1174 with ball reception
- Ideally suited for commercial vehicles
- Special tool steel

**16,50 €**



72 mm

Drive:	Internal Ø mm	External Ø mm	Length mm	Number of studs
1/2"	22,0	28,5	72,0	4

## 455.0002

### THRUST BOLT SPIGOT SOCKET 22,0X28,0X70,0 MM

- For the disassembly and assembly of the pressure screw on the injector body
- M14 fixing screw for non slip mounting
- Hexagon drive SW 22
- Ideally suited for commercial vehicles
- Special tool steel

**21,50 €**



70 mm

Spanner width mm	Internal Ø mm	External Ø mm	Length mm	Number of studs
32	22,0	28,0	70,0	4

## 455.0003

### THRUST BOLT SPIGOT SOCKET 22,0X28,5X122,0 MM

- For the disassembly and assembly of the pressure screw on the injector body
- Permeable and open form
- Possible to extract the cable from the needle motion sensors
- With hexagon drive 32.0 mm
- Ideally suited for commercial vehicles
- Special tool steel

Application range: Mercedes Euro 2 engines, MAN engines etc.

**28,90 €**



122 mm

Spanner width mm	Internal Ø mm	External Ø mm	Length mm	Number of studs
32	22,0	28,5	122,0	4

## 455.0004

### THRUST BOLT SPIGOT SOCKET 23,0X30,0X121,0 MM

- For the disassembly and assembly of the pressure screw on the injector body
- Internal square to DIN 3120 / ISO 1174 with ball reception
- Ideally suited for commercial vehicles
- Special tool steel

**26,90 €**



121 mm

Drive:	Internal Ø mm	External Ø mm	Length mm	Number of studs
1/2"	23,0	30,0	121,0	3

## 455.0000

### THRUST BOLT SPIGOT SOCKET SET FOR MERCEDES AND MAN

- For the disassembly and assembly of the pressure screw on the injector body
- Assortment of the most important thrust spigot sockets
- Ideally suited for commercial vehicles

**4 pcs**



22,0x28,5x72,0 mm  
22,0x28,0x70,0 mm  
22,0x28,5x122,0 mm  
23,0x30,0x121,0 mm

**82,50 €**

1/2"

## 455.0031

### DIESEL INJECTOR SOCKET

- 12 point
- Special socket key for dismantling and assembly of injectors
- For professional and damage-free use
- Internal square to DIN 3120 / ISO 1174 with ball reception
- Ideally suited for commercial vehicles, light commercial, SUV, etc
- Black, tempered surface
- Special tool steel



78 mm

Application range: MAN 6 cylinder in line D 0226, Chrysler Voyager, Jeep Cherokee, Opel Frontera VM 41 B, Rover, Landrover Discovery Motor VM 2,5L TD

**16,50 €**

## 455.0032

### DIESEL INJECTOR SOCKET

- 12 point
- Special socket key for dismantling and assembly of injectors
- For professional and damage-free use
- Internal square to DIN 3120 / ISO 1174 with ball reception
- Ideally suited for commercial vehicles, light commercial, SUV, etc
- Black, tempered surface
- Special tool steel



78 mm

Application range: Suitable for diesel engines from Fiat, Ford, Mercedes and Volkswagen (vans and passenger cars), MAN 2,5 TD

**14,90 €**

## 455.0033

### DIESEL INJECTOR SOCKET

- 12 point
- Special socket key for dismantling and assembly of injectors
- For professional and damage-free use
- Internal square to DIN 3120 / ISO 1174 with ball reception
- Ideally suited for commercial vehicles, light commercial, SUV, etc
- Black, tempered surface
- Special tool steel



80 mm

Application range: Mercedes Actros, Motor 457 / 541 / 542, Ford Maverick 2,7 TDI, Nissan Terrano TD 2,5L / 2,7L, Opel Corsa 1,5D / 1,7 TD, Isuzu

**14,90 €**

## 455.0034

### DIESEL INJECTOR SOCKET

- 6 point
- Special socket key for dismantling and assembly of injectors
- For professional and damage-free use
- Internal square to DIN 3120 / ISO 1174 with ball reception
- Ideally suited for commercial vehicles, light commercial, SUV, etc
- Black, tempered surface
- Special tool steel



110 mm

Application range: Mercedes, Motor 604 / 605 / 606

**16,50 €**

## 455.0030

### DIESEL INJECTOR SOCKET SET

- Special socket key for dismantling and assembly of injectors
- For professional and damage-free use
- Internal square to DIN 3120 / ISO 1174 with ball reception
- Ideally suited for commercial vehicles, light commercial, SUV, etc
- Black, tempered surface
- Special tool steel
- In durable plastic storage case

**4 pcs**



22x80 mm  
28x78 mm  
27x78 mm  
22x110 mm

**63,50 €**

1/2"



## 455.0012

### TORX E IMPACT SOCKET, DEEP

- Torx E
- Internal square drive to DIN 3121 / ISO 1174
- ideal for mounting and dismounting cylinder head bolts on commercial vehicles
- Long execution
- For machinery usage
- Phosphate finish
- Chrome molybdenum

Application range: MAN M2000, buses with D08 engines



## 455.0013

### TORX E IMPACT SOCKET, DEEP

- Torx E
- Internal square drive to DIN 3121 / ISO 1174
- ideal for mounting and dismounting cylinder head bolts on commercial vehicles
- Long execution
- For machinery usage
- Phosphate finish
- Chrome molybdenum

Application range: MAN F2000, F90, F8, buses with D25 and D28 engines



## 450.0453

### TORX E IMPACT SOCKET, DEEP

- Torx E
- Internal square drive to DIN 3121 / ISO 1174
- ideal for mounting and dismounting cylinder head bolts on commercial vehicles
- Long execution
- For machinery usage
- Phosphate finish
- Chrome molybdenum

Application range: MAN and new TGA engines



## 460.1503

### TORX E IMPACT SOCKET, DEEP

- Torx E
- Internal square drive to DIN 3121 / ISO 1174
- ideal for mounting and dismounting cylinder head bolts on commercial vehicles
- Long execution
- For machinery usage
- Phosphate finish
- Chrome molybdenum

Application range: MAN commercial vehicles with common rail engines D20

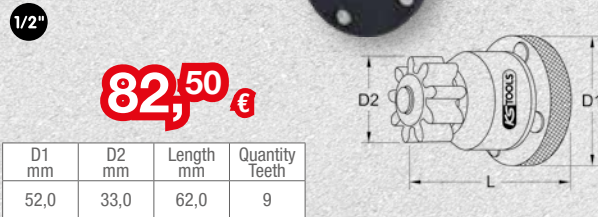


## 460.1155

### ENGINE CAMSHAFT ROTATOR FOR MAN

- Allows the engine crank to be manually adjusted
- Allows pinpoint accuracy calibration
- Ideal for adjustments to the engine
- Internal square drive to DIN 3121 / ISO 1174
- Special tool steel

Application range: MAN D20 + D25 + D26 + D28



## 455.0021

### ENGINE CAMSHAFT ROTATOR FOR MERCEDES / MAN

- Allows the engine crank to be manually adjusted
- Allows pinpoint accuracy calibration
- Ideal for adjustments to the engine
- Attachment in the clutch housing
- Internal square drive to DIN 3121 / ISO 1174
- Special tool steel

Application range: Mercedes Actros and Atego, MAN 5-/6- and 8-cylinder engines - D25/28, etc.



## 455.0020

### ENGINE CAMSHAFT ROTATOR FOR MERCEDES / MAN

- Allows the engine crank to be manually adjusted
- Allows pinpoint accuracy calibration
- Ideal for adjustments to the engine
- Attachment in the clutch housing
- Internal square drive to DIN 3121 / ISO 1174
- Special tool steel

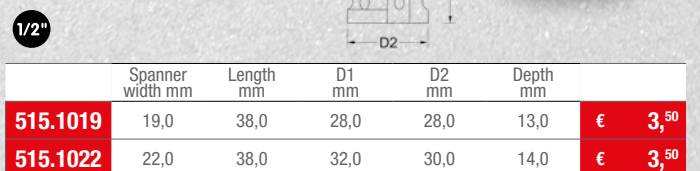
Application range: Mercedes 6-/8- and 10-cylinder engines, MAN 12-cylinder engines, etc.



## HEXAGON IMPACT SOCKET

- ideally suited for mounting and dismounting screws on the flywheel
- 6 point
- According to DIN 3129 / ISO 2725-2
- Internal square drive to DIN 3121 / ISO 1174
- Short execution
- For machinery usage
- Phosphate finish
- Chrome molybdenum

Application range: MAN TGA, TGX, TGS, Iveco Euro Trakker and Euro Tech



\*This is an limited special price offer - only until stocks last.

All prices are ex. VAT. With the release of this leaflet all previous prices became invalid. Sold only in specialist stores. Print mistakes, errors and technical alterations excepted. Prices valid up to 30.09.2024



**460.1815**

## CYLINDER LINER EXTRACTOR SET

- Ideal for removing of cylinder liner in commercial vehicles and industrial bearing
- Outriggers suitable especially for large cylinder liners and bearings
- Suitable for cylinder liner with  $\varnothing$  60 – 160 mm
- Solid state
- 3 spreader guarantee an optimal adjustment of the internal extractor
- Extremely robust spindle with inductively hardened thread
- Lower power usage
- Enormous time and cost saving
- Special tool steel
- In durable plastic storage case

Application range: Cylinder liner on MAN, Mercedes etc.



$\varnothing$  60 - 160 mm



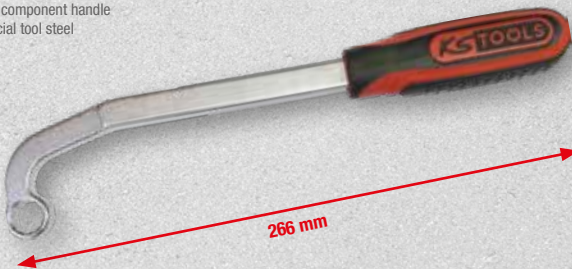
6  
pcs

**528,<sup>50</sup> €**

**460.5210**

## SPECIAL TURBOCHARGER KEY FOR MAN

- 12 point
- ideally suited for loosening the turbocharger mounting nuts
- Ideal for confined spaces
- monkey wrench
- Two component handle
- Special tool steel



266 mm

**38,<sup>50</sup> €**

Spanner width mm	Length mm
15	266,0

**460.5211**

## TURBOCHARGER SOCKET FOR MAN

- Special socket
- Ideal for mounting and dismantling turbocharger and manifold fittings
- for use in conjunction with a 17 mm open-end ratchet wrench
- Extremely robust
- Suitable for narrow spaces
- Special tool steel

Application range: MAN TGL, TGM and E08 engines



E12



28 mm

**12,<sup>90</sup> €**

Dimen- sions	6-point mm	Length mm
E12	17	28,0

**455.0006**

## PIN WRENCH FOR PRE-CHAMBER

- Ideal for removing the diesel pre-combustion chamber washer nuts
- Internal square to DIN 3120 / ISO 1174 with ball reception
- Includes screw
- Phosphate finish
- Special tool steel

Application range: Mercedes engines OM 615, OM616 and OM617



65 mm



**26,<sup>90</sup> €**

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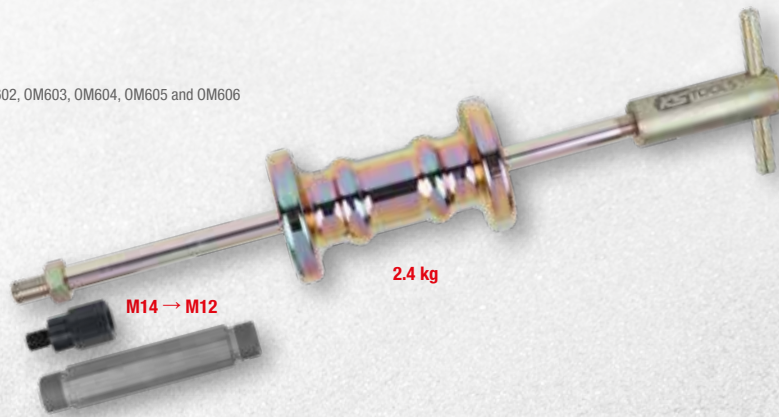
**150.2510**

## IMPACT EXTRACTOR FOR PRE-CHAMBER

- Ideal for removing trapped diesel pre-combustion chambers
- Sturdy design
- Enables short and intensive impact through impact weight
- Includes impact weight, adapter and tension bolts
- Special tool steel

Application range: Mercedes engines OM615, OM616, OM617, OM601, OM602, OM603, OM604, OM605 and OM606

**6**  
pcs



**163,90 €**

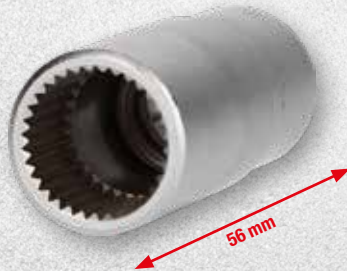
**460.2490**

## INJECTION PUMP MULTI-TOOTH SOCKET

- Ideal for assembly and disassembly of the pressure valve of the diesel injection pump
- Internal square drive to DIN 3120 / ISO 1174 with ball reception
- Matt finish
- Chrome vanadium

Application range: Lucas injection pump

1/2"



**26,90 €**

Length mm	Tooth
56,0	34

**150.3192**

## ALTERNATOR SOCKET

- suitable for tensioning the V-belt over the alternator
- 6 point
- FlankTraction profile
- According to DIN 3124 / ISO 2725-1
- Internal square to DIN 3120 / ISO 1174 with ball reception
- Long execution
- For manual operation
- Matt finish
- Chrome vanadium

Application range: MAN F90, F2000 and Mercedes SK series

1/2"



**29,90 €**

Spanner width mm	Length mm
19	200,0

**460.5212**

## INJECTION PUMP SOCKET FOR MERCEDES

- 12 point
- ideally suited for mounting and dismounting the injection pump
- Internal square drive adaptor to DIN 3120 / ISO 1174
- Special tool steel

Application range: Mercedes Actros

1/2"



**21,50 €**

Length mm	External 12 point mm
111,0	10,0

**550.1289**

## UREA SERVICE KEY FOR ADBLUE® FILTER AND TANKS

- For removal and fitting of the cover on the urea filter element
- Ideal for concealed filter element between urea tank and metering valve
- Permits precision torque tightening to 23 Nm
- Special tool steel

Application range: Mercedes commercial vehicle, e.g. new Actros, Atego, Axor, Eonic

\*AdBlue® is a registered trademark of the Verband der Automobilindustrie e.V (VDA).

3/8"



**38,50 €**

4-point Drive	Spanner width mm	Length mm
3/8"	45,5	65,0

## 460.0655

### SLOTTED NUT WRENCH WITH 4 PINS FOR MAN

- Internal square drive to DIN 3121 / ISO 1174
- High accuracy of fit
- Special profile with 4 internal studs
- Extremely robust version
- Suitable for high tightening and loosening torque
- Special tool steel

Application range: MAN 410/414 drive



**99,50 €**

D1 mm	D2 mm	D3 mm	Number of studs	B mm	Height mm
72,0	58,0	53,0	4	5,0	77,0

## 455.0100

### SPECIAL SOCKET FOR 8 POINT SCREWS

- Special 8 point internal profile
- To the dismantling and assembly of the control switch for the differential lock
- Ideally suited also for various electric switches on the transmissions
- Mirror polished
- Special tool steel

Application range: MAN, Mercedes LKW Actros, SK Baureihe etc.



**39,50 €**

profile	Spanner width mm	Ø mm	Length mm
8 point	27	34,0	57,0

### SPECIAL DRIVE SHAFT IMPACT SOCKET, LONG

- 12 point
- Internal square to DIN 3120 / ISO 1174 with ball reception
- For use in a 1/2" impact wrench
- For machinery usage
- Phosphate finish
- Chrome molybdenum

Application range: Drive shafts, flange shafts, fuel injectors, Mercedes Truck Transmissions G2/24/26, Mercedes Actros etc.



1/2"



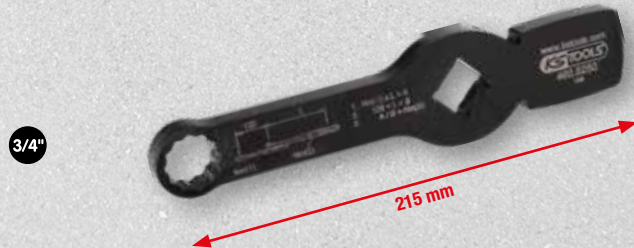
	Outside double hexagon mm	Ø mm	Length mm	
<b>150.1703</b>	27,0	40,5	85,0	€ 14, <sup>90</sup>
<b>150.1705</b>	30,0	42	85,0	€ 14, <sup>90</sup>
<b>150.1706</b>	32,0	44	85,0	€ 14, <sup>90</sup>
<b>150.1704</b>	34,0	46	85,0	€ 16, <sup>50</sup>
<b>150.1707</b>	36,0	50	85,0	€ 16, <sup>50</sup>

## 460.5250

### SLOGGING 12 POINT SPANNER WITH 2 STRIKING FACES

- 12 point
- ideally suited for loosening and tightening the cardan shaft screw connection
- With 3/4" square drive for the correct tightening of the screw
- with lasered torque conversion formula for the extended lever
- With 2 impact area
- Phosphate finish
- Chrome vanadium

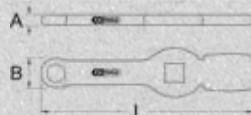
Application range: Cardan shafts at MAN



3/4"

**46,50 €**

Spanner width mm	Height of head mm	Width mm	Length mm
19	12,0	30,0	215,0

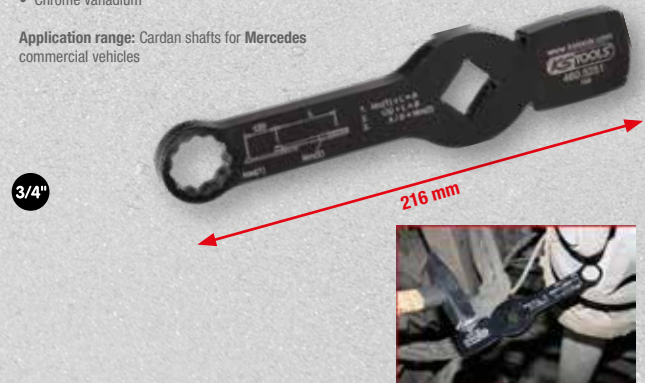


## 460.5251

### SLOGGING 12 POINT SPANNER WITH 2 STRIKING FACES

- 12 point
- ideally suited for loosening and tightening the cardan shaft screw connection
- With 3/4" square drive for the correct tightening of the screw
- with lasered torque conversion formula for the extended lever
- With 2 impact area
- Phosphate finish
- Chrome vanadium

Application range: Cardan shafts for Mercedes commercial vehicles



3/4"

**46,50 €**

Spanner width mm	Height of head mm	Width mm	Length mm
21	12,0	32,0	216,0





**460.0735**

## GEAR BOX ASSEMBLY AND DISASSEMBLY SET FOR MAN / MERCEDES ZF 16S

- For assembly and disassembly of the ZF 16S gear box
- Extremely sturdy execution
- Special tool steel
- In durable metal case

Application range: Assembly and disassembly of the ZF 16S gear box (Mercedes, DAF, etc.)

**8**  
pcs



## TORX-E-PLUS SOCKET FOR MERCEDES

- Torx-E-Plus (EPL)
- For loosening and tightening Torx-E-Plus (EPL) axle mounting bolts
- Internal square drive to DIN 3121 / ISO 1174
- For machinery usage
- Phosphate finish
- Chrome molybdenum

Application range: Mercedes Actros



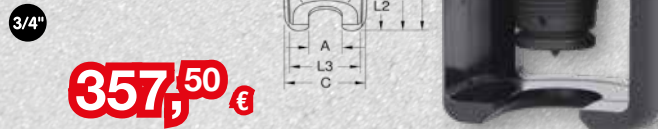
	Dimensions	Ø mm	Length mm	
<b>460.0012</b>	EPL 32	44,0	50,0	€ 27, <sup>90</sup>
<b>460.0013</b>	EPL 32	44,0	90,0	€ 37, <sup>50</sup>

**450.0067**

## VIBRO-IMPACT UNIVERSAL BALL JOINT PULLER BELL 42 X 98 MM

- Pressure pieces in the spindle rotating mounted
- Trapezoidal spindle
- High release force due to rotary shock pulse with impact wrench
- Impact screws create pressure and vibration at the same time, through which the secure ball joint connections and quickly and safely removed
- Less space required
- Cast forged execution
- With inspection panel
- Internal square drive to DIN 3120 / ISO 1174
- Special tool steel

Application range: e.g. Mercedes Actros



A mm	B mm	C mm	Height mm	L2 mm	L3 mm
42,0	98,0	105,0	144,0	60,0	90,0

**460.4885**

## 3D BUSHING TOOL SET FOR SAF AXLES, MERCEDES DCA AND HT AXLES

- ideally suited for disassembly and assembly of 3D bushings on SAF and Mercedes axles
- Sturdy design
- Trapezoid thread spindle for high removal power - drive 30 mm
- Special tool steel

Application range: SAF and Mercedes axles

**12**  
pcs



**1455,<sup>50</sup> €**

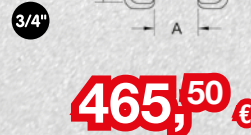


**460.0750**

## VIBRO-IMPACT UNIVERSAL BALL JOINT PULLER BELL 67 X 75 MM

- Trapezoidal spindle
- High release force due to rotary shock pulse with impact wrench
- Impact screws create pressure and vibration at the same time, through which the secure ball joint connections and quickly and safely removed
- Less space required
- Cast forged execution
- With inspection panel
- Internal square drive to DIN 3120 / ISO 1174
- Special tool steel

Application range: MAN (FE410A/FE414)



A mm	B mm	Spindle size mm
67,0	75,0	42,0



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**440.0675****UNIVERSAL SET FOR REPLACING KINGPINS, 32 T**

- for mounting and dismantling king pins
- with fixed bolts, the impact function allows an increase in force
- for use with 32 t hydraulic cylinder (440.0025)
- Use directly at the vehicle possible
- Secure and easy to use
- Special tool steel

Recommended hydraulic cylinder: 32 t hydraulic cylinder 440.0025

**10 pcs****1925,90 €****440.0665****UNIVERSAL SET FOR REPLACING KING PINS 45 T**

- for mounting and dismantling king pins
- with fixed bolts, the impact function allows an increase in force
- for use with 45 t hydraulic cylinder (440.0480)
- Use directly at the vehicle possible
- Secure and easy to use
- Special tool steel

Recommended hydraulic cylinder: 45 t hydraulic cylinder 440.0480

**12 pcs****1925,90 €****440.0600****EXTENSION SET TO REPLACE STUB AXLE BOLTS FOR MERCEDES**

- Extension for kingpin set (440.0675 and 440.0665)
- Secure and easy to use
- Special tool steel

Application range: Mercedes Actros and Atego

**6 pcs****291,50 €****440.0605****EXTENSION SET FOR REPLACING KINGPINS FOR MAN**

- Extension for kingpin set (440.0675 and 440.0665)
- Secure and easy to use
- Special tool steel

Application range: MAN TGA, TGS and TGX

**5 pcs****327,50 €****440.0025****PRESSURE AND PULL HYDRAULIC CYLINDER SET 32T**

- Optimal for universal use in car garages
- Suitable for both pressure and train uses
- With magnetic centring adapter
- Extremely high and uniform power construction
- Industrial execution with forged piston
- Pressure of the hydraulic cylinders can be combined with the impact body with impact force during use
- Universal usage with reduction M10-M22
- Ideally used with transporters and commercial vehicles
- With automatic piston return
- Special tool steel
- In durable steel storage case

Technical data:

Capacity: 32 t  
 Connection thread: Cejn quick coupling  
 Piston-inner thread: M24  
 Outer thread: 2.1/2"  
 Stroke: 113,0 mm

**1332,50 €****440.0480****PRESSURE AND PULL HYDRAULIC CYLINDER SET**

- Optimal for universal use in car garages
- Suitable for both pressure and train uses
- Extremely high and uniform power construction
- Industrial execution with forged piston
- Pressure of the hydraulic cylinders can be combined with the impact body with impact force during use
- With automatic piston return
- Ideally used with transporters and commercial vehicles
- Special tool steel

Technical data:

Capacity: 45 t  
 Connection thread: Cejn quick coupling  
 Piston-inner thread: M27  
 Outer thread: 2.1/2"  
 Stroke: 70,0 mm

**1572,90 €****440.0060****HYDRAULIC FOOT PUMP SET**

- For simply agent press cylinders
- Safety valve for overload protection
- With automatic return
- Includes hydraulic hose with quick coupling

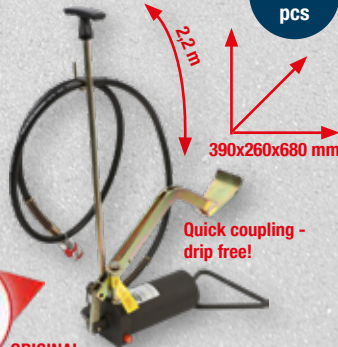
**i**

OPTIONAL

440.0063



ORIGINAL \*CEJN®



Quick coupling - drip free!

**823,90 €****440.0055****PNEUMATIC HYDRAULIC PUMP SET**

- Pneumatic working
- For simply agent press cylinders
- Safety valve for overload protection
- With automatic return
- Includes hydraulic hose with quick coupling

**i**

ORIGINAL \*CEJN®

440.0063



Quick coupling - drip free!

**891,50 €**

**460.3620**

## KINGPIN PRESS 75T WITH SET OF SLEEVES

- Suitable for quick insertion and removal of king pins
- Ideal for cylindrical and conical bolts
- No removal of the axle required
- Press unit is 360° rotatable
- Open width 260 mm
- Swivelling, rotatable and with height adjustment for components that are difficult to access
- Including pneumatic hydraulic foot pump with quick lift, hydraulic cylinder, most common sleeves and pressure pieces
- Secure and easy to use
- Special and compact design
- time- and cost-efficient

**29**  
 pcs



Ø 24 mm

Ø 34 mm

Ø 47 mm

Ø 47 mm

Ø 47 mm

Ø 39 mm

Ø 50 mm

Ø 61 mm

Ø 95 mm

### Technical data:

Capacity: 75 t  
 Stroke: 160,0 mm  
 Operating pressure max.: 700 bar  
 Volume: 1,8 l

**4449,<sup>90</sup> €**

**460.5340**

**GROOVED NUT SPANNER SET WITH GUIDE TUBE FOR MAN**

- Internal square drive to DIN 3121 / ISO 1174
- including threaded guide tube
- High accuracy of fit
- Extremely robust version
- Suitable for high tightening and loosening torque
- Special tool steel

**2 pcs**

Application range: MAN planetary hub rear axles (5MR, 3MR) and front axle (M series: 3ME DI)



**460.5355**

**GROOVED NUT SPANNER SET WITH GUIDE TUBE FOR MAN**

- Internal square drive to DIN 3121 / ISO 1174
- including threaded guide tube
- High accuracy of fit
- Extremely robust version
- Suitable for high tightening and loosening torque
- Special tool steel

**2 pcs**

Application range: MAN Hypoid rear axles M-series (16M-Soma axle, HY-0855, HY-0955, HY-1175)



**460.5345**

**WRENCH WITH 6 PINS FOR MAN**

- Internal square drive to DIN 3121 / ISO 1174
- High accuracy of fit
- Extremely robust version
- Suitable for high tightening and loosening torque
- Special tool steel

Application range: MAN VW2-VW4-VW6.1-6.8



Internal Ø mm	External Ø mm	Height mm	Number of studs	Stud width mm
77,0	84,0	100,0	6	10,0



**450.0168**

**WRENCH WITH 6 PINS FOR MAN AND MERCEDES**

- Internal square drive to DIN 3121 / ISO 1174
- Optional with sleeve locating tube
- High accuracy of fit
- Extremely robust version
- Suitable for high tightening and loosening torque
- Special tool steel

Application range: Mercedes and MAN 10 + 13 t Reduction axle, Hypoid- and Trailer axle NR 7/4, Omnibus 0305 G + 0405 G etc.



External Ø mm	Internal Ø mm	D3 mm	Height mm	Number of studs	Stud width mm
115,0	95,0	101	111,0	6	6,0

**LOCATING TUBE FOR GROOVE NUT SOCKETS**

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



	Internal Ø mm	External Ø mm	Length mm	
<b>450.0150</b>	46,0	52,0	140,0	€ 106, <sup>90</sup>
<b>450.0152</b>	60,0	67,0	140,0	€ 127, <sup>50</sup>



## 450.0160

### WRENCH WITH 6 PINS FOR MAN AND MERCEDES

- Internal square drive to DIN 3121 / ISO 1174
- Rigid locating tube
- Optional with expander sleeve (bayonet locking system)
- High accuracy of fit
- Extremely robust version
- Suitable for high tightening and loosening torque
- Special tool steel

Application range: Mercedes Atego Rear axle, Vitaro 814, MAN etc.

3/4"

**248,50 €**

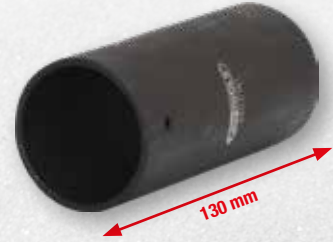


Internal Ø mm	External Ø mm	Locating tube Ø mm	Internal stud Ø mm	Number of studs	Stud width mm
80,0	95,0	49,0	87,0	6	10,0

## 450.0161

### EXPANDER SLEEVE FOR LOCATION TUBE

- Practical connector system with bayonet clasp
- Suitable for groove nut spanner 450.0160
- Enables stable work position
- Prevents slippage of the socket
- Extremely robust version
- Switched by turning the bayonet clasp
- Special tool steel



130 mm

**90,90 €**

Internal Ø mm	External Ø mm	Length mm
49,0	57,0	130,0



## 450.0169

### WRENCH WITH 6 PINS FOR MERCEDES AND MAN

- Internal square drive to DIN 3121 / ISO 1174
- Extremely versatile
- Suitable for exact torque
- Special profile with 6 internal studs
- Suitable for high tightening and loosening torque
- Special tool steel

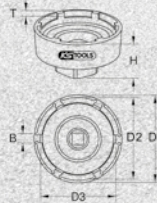
Application range: Mercedes + MAN drive axle

3/4"

**181,90 €**



80 mm



Stud width mm	External Ø mm	Internal Ø mm	D3 mm	Number of studs	T mm	Height mm
11,5	119,0	110,0	100,5	6	11,6	80,0

## 460.5360

### GROOVED NUT SPANNER SET WITH 2 GUIDE TUBES FOR MAN

3 pcs

- Internal square drive to DIN 3121 / ISO 1174
- including threaded guide tubes
- High accuracy of fit
- Extremely robust version
- Suitable for high tightening and loosening torque
- Special tool steel

Application range: MAN with guide tube Ø 66.5 mm: Hypoid rear axles F-series (HY-1175, HDY-1175, HY-13110, HY-1180). With guide tube Ø 51.5 mm: Rear hub axles F-series (H7, HD7) and front axles F-series



102 mm

M56 x 1,5 mm  
Ø 51,5 mm

M56 x 1,5 mm  
Ø 66,5 mm

**327,50 €**

## 450.0170

### WRENCH WITH 6 PINS FOR MAN

- Internal square drive to DIN 3121 / ISO 1174
- Six point size 60 mm
- High accuracy of fit
- Extremely robust version
- Suitable for high tightening and loosening torque
- Special tool steel

Application range: MAN TGA Front axle, V9-82L-01(Disk brake/ABS) etc.

3/4"

**190,50 €**



80 mm



Internal Ø mm	External Ø mm	Height mm	Internal stud Ø mm	Number of studs	Stud width mm
101,0	110,0	80,0	93,0	6	8,0

## 450.0176

### SLOTTED NUT WRENCH WITHOUT GUIDE TUBE FOR MAN TGA

- Internal square drive to DIN 3121 / ISO 1174
- Six point size 60 mm
- High accuracy of fit
- Extremely robust version
- With fixed locating tube
- Suitable for high tightening and loosening torque
- Special tool steel

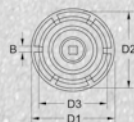
Application range: MAN TGA rear axle, HY-1350 (Hypoid)

3/4"

**405,50 €**



110 mm



External Ø mm	Internal Ø mm	D3 mm	Height mm	Number of studs	Stud width mm
148,0	133,0	117,0	110,0	6	11,0

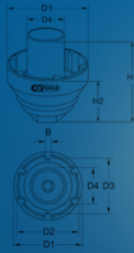
## 450.0175

### MAN TGA GROOVE NUT SPANNER WITH LOCATING TUBE

- Internal square drive to DIN 3121 / ISO 1174
- Six point size 60 mm
- High accuracy of fit
- Extremely robust version
- Optional with locating tube
- Suitable for high tightening and loosening torque
- Special tool steel

Application range: MAN TGA rear axle, HY-1350 (Hypoid)

3/4"



6-point mm	H1 mm	H2 mm	External Ø mm	Internal Ø mm	D3 mm	Number of studs	Stud width mm
60	98,0	160	148,0	133,0	117,0	6	11,5

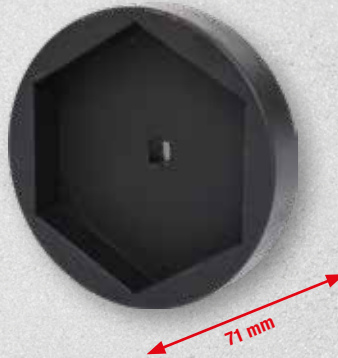
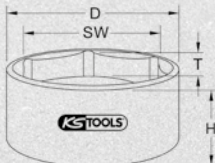
**326,50 €**

## 460.0175

### AXLE NUT SOCKET, SHORT

- Internal square drive to DIN 3121 / ISO 1174
- 6 point
- High accuracy of fit
- Extremely robust version
- Suitable for high tightening and loosening torque
- Special tool steel

3/4"



**563,90 €**

Spanner width mm	Ø mm	Height mm	Depth mm
190	243,0	71,0	40,0

## 460.0965

### AXLE NUT SOCKET FOR MERCEDES

- Six sided drive 36 mm
- 12 point
- Any extensive slipping is avoided
- Extremely robust version
- Suitable for high tightening and loosening torque
- Can be used with an impact wrench or torque wrench
- Special tool steel

Application range: Mercedes axle trailers etc.

3/4"



**266,50 €**

Spanner width mm	6-point mm	Ø mm	Height mm
95,0	36	126,0	157,0

## 460.1035

### AXLE NUT SOCKET FOR MERCEDES

- Six sided drive 36 mm
- 6 point
- Any extensive slipping is avoided
- Extremely robust version
- Suitable for high tightening and loosening torque
- Can be used with an impact wrench or torque wrench
- Special tool steel

Application range: Mercedes axle trailers etc.



**266,50 €**

Spanner width mm	6-point mm	Ø mm	Height mm
95,0	36	118	158,0

## 460.5615

### AXLE NUT WRENCH FOR MERCEDES

- Internal square drive to DIN 3121 / ISO 1174
- 6-round profile
- High accuracy of fit
- Extremely robust version
- Suitable for high tightening and loosening torque
- Special tool steel

Application range: Mercedes Truck- VA- and Discos Trailer (05.2000) with compact storage HUB Unit

3/4"



**211,90 €**

Spanner width mm	Ø mm	Height mm
95	118	75,0

## 460.5370

### T-NUTS AND WRENCH SET WITH 4 GUIDE TUBES FOR MERCEDES

- Internal square drive to DIN 3121 / ISO 1174
- including threaded guide tubes
- High accuracy of fit
- Extremely robust version
- Suitable for high tightening and loosening torque
- Special tool steel

Application range: Mercedes Hypoid rear axles HL2/2, HL2/3, HL2/5, HL2/9, HL2/11, HL2/12, HL2/15, HLO/3, HLO/6, HLO/7, HL1/2 (only Ø 63 mm required), HL1/3, HL1/8, HL1/9, HL2/30C

3/4"



**5 pcs**

**339,50 €**



**460.5625**

### GROOVED NUT SPANNER SET WITH GUIDE TUBE FOR MERCEDES

- Internal square drive to DIN 3121 / ISO 1174
- including threaded guide tube
- High accuracy of fit
- Extremely robust version
- Suitable for high tightening and loosening torque
- Special tool steel

**2**  
pcs

Application range: Mercedes Hypoid rear axles HL0/3, HL0/6, HL0/7, HL1/2 (only Ø 63 mm necessary), HL1/3, HL1/8, HL1/9, HL2/30C



**460.5620**

### GROOVED NUT SPANNER SET WITH 3 GUIDE TUBES FOR MERCEDES

- Internal square drive to DIN 3121 / ISO 1174
- including threaded guide tubes
- High accuracy of fit
- Extremely robust version
- Suitable for high tightening and loosening torque
- Special tool steel

**4**  
pcs

Application range: Mercedes Hypoid rear axles HL2/2, HL2/3, HL2/5, HL2/9, HL2/11, HL2/12, HL2/15



**460.5380**

### GROOVED NUT SPANNER SET WITH GUIDE TUBE FOR MERCEDES

- Internal square drive to DIN 3121 / ISO 1174
- including threaded guide tube
- High accuracy of fit
- Extremely robust version
- Suitable for high tightening and loosening torque
- Special tool steel

**2**  
pcs

Application range: Mercedes Hypoid rear axles HL2/2, HL2/7, HL2/13



**460.5385**

### T-NUTS AND WRENCH SET WITH 4 GUIDE TUBES FOR MERCEDES

- Internal square drive to DIN 3121 / ISO 1174
- including threaded guide tubes
- High accuracy of fit
- Extremely robust version
- Suitable for high tightening and loosening torque
- Special tool steel

**5**  
pcs

Application range: Mercedes Hypoid rear axles HL2/14, KL2/16, KL4/1, HL4/16, HL4/17, HL4/23, HL4/28, HL4/29, HL4/30, HL4/4, HL4/8, HD4/6G, HO4/2, HO4/18, NR4/4 and palloid front axles AL3/1, AL3/2, AL3/4, AL3/7, AL3/8



**460.5630**

### GROOVED NUT SPANNER SET WITH GUIDE TUBE FOR MERCEDES

- Internal square drive to DIN 3121 / ISO 1174
- including threaded guide tube
- High accuracy of fit
- Extremely robust version
- Suitable for high tightening and loosening torque
- Special tool steel

**2**  
pcs

Application range: Mercedes Palloid front axles AL3/1, AL3/2, AL3/4, AL3/7, AL3/8



**460.5635**

### GROOVED NUT SPANNER SET WITH 3 GUIDE TUBES FOR MERCEDES

- Internal square drive to DIN 3121 / ISO 1174
- including threaded guide tubes
- High accuracy of fit
- Extremely robust version
- Suitable for high tightening and loosening torque
- Special tool steel

**4**  
pcs

Application range: Mercedes Hypoid rear axles HL2/14, KL2/16, KL4/1, HL4/16, HL4/17, HL4/23, HL4/28, HL4/29, HL4/30, HL4/4, HL4/8, HD4/6G, HO4/2, HO4/18, NR4/4



**460.5395**

**GROOVED NUT SPANNER SET WITH GUIDE TUBE FOR MERCEDES**

- Internal square drive to DIN 3121 / ISO 1174
- including threaded guide tube
- High accuracy of fit
- Extremely robust version
- Suitable for high tightening and loosening torque
- Special tool steel

**2**  
pcs

Application range: Mercedes hypoid axles H04/10, H04/10DL, H04/11DL, H05/3, H05/4, H05/8, HD4/21G, HD4/2G, HD4/22, HD5/3, HL5/2, HL5/6



Ø 88 mm

M56 x 1,5 mm

Ø 57 mm

3/4"

**327,50 €**

**460.5645**

**GROOVED NUT SPANNER SET WITH GUIDE TUBE FOR MERCEDES**

- Internal square drive to DIN 3121 / ISO 1174
- including threaded guide tube
- High accuracy of fit
- Extremely robust version
- Suitable for high tightening and loosening torque
- Special tool steel

**2**  
pcs

Application range: Mercedes hypoid axles H0 5/5



Ø 100 mm

M56 x 1,5 mm

Ø 59 mm

3/4"

**309,50 €**

**460.1075**

**WRENCH WITH 6 PINS FOR MERCEDES**

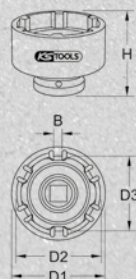
- Internal square drive to DIN 3121 / ISO 1174
- High accuracy of fit
- Extremely robust version
- Suitable for high tightening and loosening torque
- Special tool steel



1"

**236,50 €**

D1 mm	D2 mm	D3 mm	Number of studs	B mm	H mm
110,0	96,0	86,0	6	11,0	82,0



**460.1070**

**GROOVE NUT WRENCH WITH 6 PINS WITH GUIDE TUBE FOR MERCEDES**

- Internal square drive to DIN 3121 / ISO 1174
- Rigid locating tube
- High accuracy of fit
- Extremely robust version
- Suitable for high tightening and loosening torque
- Special tool steel



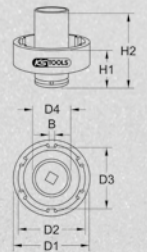
Application range: Mercedes lifting axle



3/4"

**296,50 €**

D1 mm	D2 mm	D3 mm	D4 mm	Number of studs	B mm	H1 mm	H2 mm
115,0	100,0	91,0	46,0	6	11,0	82,0	142,0



**460.3790**

**GROOVED NUT WRENCH WITH 6 PINS WITH GUIDE TUBE FOR MERCEDES TRAILER AXLES**

- Internal square drive to DIN 3121 / ISO 1174
- Rigid locating tube
- High accuracy of fit
- Extremely robust version
- Suitable for high tightening and loosening torque
- Special tool steel

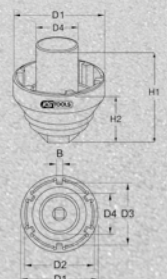
Application range: Mercedes trailer axle TZ5/2



3/4"

**218,50 €**

D1 mm	D2 mm	D3 mm	D4 mm	Number of studs	B mm	H1 mm	H2 mm
100,0	82,0	92,0	47,0	6	9,8	142,0	230,0



\*This is an limited special price offer - only until stocks last.

All prices are ex. VAT. With the release of this leaflet all previous prices became invalid. Sold only in specialist stores. Print mistakes, errors and technical alterations excepted. Prices valid up to 30.09.2024



**450.0167**

### WRENCH WITH 6 PINS FOR MERCEDES

- Internal square drive to DIN 3121 / ISO 1174
- Rigid locating tube
- High accuracy of fit
- Extremely robust version
- Suitable for high tightening and loosening torque
- Special tool steel

Application range: Mercedes Actros Rear axle, HL/HL 8 (Hypoid) etc.



**327,50 €**

Internal Ø mm	External Ø mm	Height mm	Internal stud Ø mm	Number of studs	Stud width mm
105,0	125,0	182,0	115,0	6	10,0

**460.5420**

### GROOVED NUT SPANNER SET WITH 3 GUIDE TUBES FOR MERCEDES

**4**  
pcs

- Internal square drive to DIN 3121 / ISO 1174
- including threaded guide tubes
- High accuracy of fit
- Extremely robust version
- Suitable for high tightening and loosening torque
- Special tool steel

Application range: Mercedes planetary hub rear axles (European axles) 10 tons + 13 tons: HL7/1, HL7/2, HL7/18, HO7/8, HO7/9, HL7/0, HL7/015, HL7/021, HL7/3, HD7/2, HD7/19DG, HD7/016DG planetary hub front axle 7 tons: AL7/1

For the NR7/4 planetary hub axles / trailing axle, the base body can be used without a guide tube.



**393,90 €**

**460.5425**

### GROOVED NUT SPANNER SET WITH 2 GUIDE TUBES FOR MERCEDES

**3**  
pcs

- Internal square drive to DIN 3121 / ISO 1174
- including threaded guide tubes
- High accuracy of fit
- Extremely robust version
- Suitable for high tightening and loosening torque
- Special tool steel

Application range: Mercedes rear axle 749.0, trailing rocker arm axle NS4/2, NS4/10 and pinion axles HL6/1, HL6/2, HL6/3, HD6/3



**381,90 €**

**460.0870**

### WRENCH WITH 6 PINS FOR MERCEDES

- ideally suited for loosening the rear nut on the differential
- Internal square drive to DIN 3121 / ISO 1174
- Extremely versatile
- Suitable for exact torque
- Special profile with 6 internal studs
- Suitable for high tightening and loosening torque
- Special tool steel



**236,50 €**

External Ø mm	Internal Ø mm	D3 mm	Height mm	Number of studs	Stud width mm
135,0	126,0	102,0	103,0	6	8,7

**460.1065**

### GROOVE NUT WRENCH WITH 6 PINS WITH GUIDE TUBE FOR MERCEDES

- Internal square drive to DIN 3121 / ISO 1174
- Rigid locating tube
- High accuracy of fit
- Extremely robust version
- Suitable for high tightening and loosening torque
- Special tool steel

Application range: Mercedes (2640) drive axle



**314,50 €**

External Ø mm	Internal Ø mm	D3 mm	D4 mm	H1 mm	H2 mm	Number of studs	Stud width mm
145,0	125,0	116,0	64,0	84,0	145,0	6	11,0

**450.0251**

### SLOTTED NUT WRENCH FOR REAR AXLE NUT FOR MERCEDES

- With hexagon drive 32.0 mm
- For the dismantling and assembly of the rear axle nut
- High accuracy of fit
- Sturdy design
- Suitable for high tightening and loosening torque
- Drive tube Ø 35 mm
- Special tool steel

Application range: Mercedes Citaro

Internal Ø mm	External Ø mm	Height mm	Internal stud Ø mm	Number of studs	Stud width mm
122,0	139,0	310,0	123,5	6	10,4



**327,50 €**

\*This is an limited special price offer - only until stocks last.

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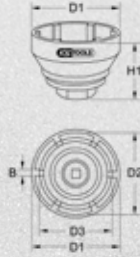
## 460.4205

### AXLE NUT SOCKET SPANNER FOR MERCEDES

- Internal square drive to DIN 3121 / ISO 1174
- 8-point
- High accuracy of fit
- Extremely robust version
- Suitable for high tightening and loosening torque
- For machinery usage
- Special tool steel

Application range: Axle nut rear axle  
Mercedes 2636, 2640, 414 (2006 - 2016)

3/4"



**211,90 €**

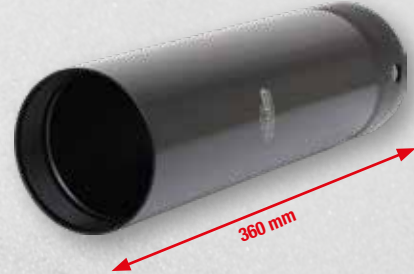
External Ø mm	Internal Ø mm	D3 mm	Height mm	Number of studs	Stud width mm
121,0	107,0	98,0	82,0	6	12,0

## 450.0155

### EXTENSION TUBE FOR MAN

- 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
- Special tool steel

Application range: MAN TGA rear axle e.g. HY 1350



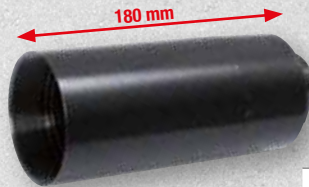
**211,90 €**

Thread	Internal Ø mm	External Ø mm	Length mm
M100 x 1.5	96,0	105,0	360,0

### EXTENSION TUBE FOR MERCEDES AND MAN

- 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
- Special tool steel

Application range:  
Right handed thread = rear axle HL2 e.g. MAN L serie  
Left handed thread = Mercedes Atego/Vario



	Thread	6-point mm	Internal Ø mm	External Ø mm	Length mm	
<b>450.0156</b>	M75 x 1.5	41	60,0	78,0	180,0	€ 187,50
<b>450.0157</b>	M75 x 1.5 L	41	60,0	78,0	180,0	€ 187,50

## 460.0685

### WHEEL HUB PULLER FOR MAN

- Suitable for removing the wheel hub
- For 166 mm hole diameters
- Sturdy design
- Trapezoid thread spindle for high removal power - drive 30 mm
- Special tool steel

Application range: new MAN front axle wheel hub



**2**  
pcs

**551,50 €**

## 460.3630

### WHEEL HUB PULLER SET FOR MAN

- including 20 t hydraulic cylinder
- Sturdy design
- Special tool steel



**3**  
pcs



**1273,50 €**

## 440.0490

### PULLER SET FOR HUB WITHOUT WHEEL STUD RIM FOR 32 T

- for the effective pressing out of firmly rusted bearings with external hubs of straight shafts
- Minimum work time
- Secure and easy to use
- Special tool steel

Recommended hydraulic cylinder: 32 t (440.0025)

Application range: Mercedes Atego, Actros, MAN TGA, TGS, TGX, Volvo FL, Renault Kerax, Magnum, Midlum, Premium and all brands with the same bolt arrangement



**3**  
pcs

**587,50 €**



## 440.0615

### PULLER SET FOR HUB WITHOUT WHEEL STUD RIM FOR 45 T

- For the effective pressing out of firmly rusted bearings with external hubs of straight shafts
- Minimum work time
- Secure and easy to use
- Special tool steel

Recommended hydraulic cylinder: 45t (440.0480)

Application range: Mercedes Atego, Actros; MAN TGA, TGS, TGM; Volvo FL; Renault Kerax, Magnum, Midlum, Premium and all brands with the same bolt arrangement



3  
pcs

**551,50 €**

## 440.0025

### PRESSURE AND PULL HYDRAULIC CYLINDER SET 32T

- Optimal for universal use in car garages
- Suitable for both pressure and train uses
- With magnetic centring adapter
- Extremely high and uniform power construction
- Industrial execution with forged piston
- Pressure of the hydraulic cylinders can be combined with the impact body with impact force during use
- Universal usage with reduction M10-M22
- Ideally used with transporters and commercial vehicles
- With automatic piston return
- Special tool steel
- In durable steel storage case

6  
pcs



Technical data:

Capacity: 32 t  
Connection thread: Cejn quick coupling  
Piston-inner thread: M24  
Outer thread: 2.1/2"  
Stroke: 113,0 mm

**1332,50 €**

## 440.0480

### PRESSURE AND PULL HYDRAULIC CYLINDER SET

- Optimal for universal use in car garages
- Suitable for both pressure and train uses
- Extremely high and uniform power construction
- Industrial execution with forged piston
- Pressure of the hydraulic cylinders can be combined with the impact body with impact force during use
- With automatic piston return
- Ideally used with transporters and commercial vehicles
- Special tool steel

7  
pcs



Technical data:

Capacity: 45 t  
Connection thread: Cejn quick coupling  
Piston-inner thread: M27  
Outer thread: 2.1/2"  
Stroke: 70,0 mm

**1572,90 €**

## 460.1380

### MAN WHEEL BEARING PULLER

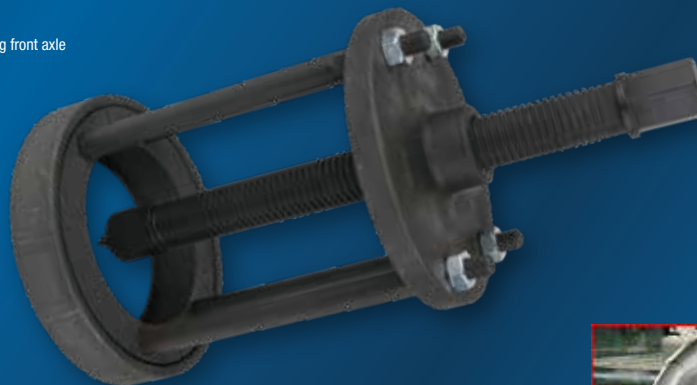
- Ideally suited to the removal of old wheel bearings
- Sturdy design
- Trapezoid thread spindle for high removal power - drive 30 mm
- Special tool steel

Application range: MAN 33460, 410 and 414 -break disc bearing front axle

10  
pcs

Ø 108 mm

30 mm



**921,50 €**



\*This is an limited special price offer - only until stocks last.

All prices are ex. VAT. With the release of this leaflet all previous prices became invalid. Sold only in specialist stores. Print mistakes, errors and technical alterations excepted. Prices valid up to 30.09.2024



## 460.1705

### SLOT BUSHING TOOL SET FOR SILENT BEARING SLOT BUSHES

- Suitable for the installation and removal of the bearing bushes in commercial vehicle spring suspension
- The slotted bushes can be effortlessly preloaded using the clamping block and the accompanying half shells and thus adjusted to the installation dimensions
- Includes 12 t hydraulic cylinder, especially in the construction of fixed bushes
- The hydraulic cylinder is made for universal usage
- Supplied without hydraulic pump
- Optional: Hand pump 640.0010
- Optional: Air Hydraulic Pump 640.0020
- Optional: Electric Hydraulic Pump 640.0030
- Special installation method that protects the bush via parallel working tensioning elements
- The function of the bearing bush is retained
- Simple handling and quick assembly times
- Safe working
- Suitable for bush change directly on the vehicle

#### Application:

- Ø 51 mm - Volvo FM12
- Ø 60 mm - DB / Renault (430/450/460)
- Ø 68 mm - MAN-TGA (410/414/460) front axle spring ROR, SAF

19  
pcs



Original \*CEJN®



Ø 68 mm  
MAN-TGA  
(410/414/460)



Ø 51 mm  
VOLVO(FM12)



Ø 60 mm  
RENAULT  
(430/450/460)



1947,<sup>50</sup> €

## 640.0010

### HYDRAULIC HAND PUMP

- Single stage
- Reverse valve for advance and return stroke
- Safety valve for overload protection
- Includes pressure tube 1.8 meters
- Usable tank volume 2081cm<sup>3</sup> = 2.081l



1271,<sup>50</sup> €

Connection thread	Length mm	Width mm	H mm	Output per stroke cm <sup>3</sup>
3/8" - 18 NPT	585	133	119	2,62

## 640.0020

### PNEUMATIC HYDRAULIC PUMP

- Pneumatic working
- For simply agent press cylinders
- Safety valve for overload protection
- Includes pressure tube 1.8 meters
- Usable tank volume 2081cm<sup>3</sup> = 2.081l
- Operating pressure max. 700 bar
- Output per stroke:  
0.8 l/min up to 200 bar  
0.1 l/min up to 700 bar



2180,<sup>90</sup> €

Connection thread	Length mm	Width mm	H mm
3/8" - 18 NPT	255	130	200

## 640.0030

### ELECTRIC HYDRAULIC PUMP

- Two stepped for simply agent press cylinders
- Safety valve for overload protection
- Usable tank volume 1900 cm<sup>3</sup> = 1.9l
- Includes pressure tube 1.8 meters
- Motor specification 0.37kW - 220/230 V - 50/60 hertz, single phase (3.2 amps)
- 1. Step: max. 13 bar
- 2. Step: max. 700 bar
- Output per stroke:  
1. Step: 3.31 l/min  
2. Step: 0.32 l/min



5878,<sup>50</sup> €

Connection thread	Length mm	Width mm	H mm
3/8" - 18 NPT	244	244	362

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## 460.3815

### WRENCH WITH 6 PINS FOR MERCEDES

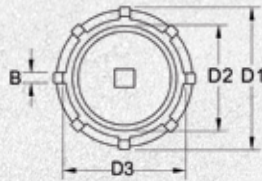
- Removal and installation of differential nuts
- External drive hexagonal socket 32.0 mm
- High accuracy of fit
- Extremely robust version
- Suitable for high tightening and loosening torque
- Special tool steel

Application range: Mercedes Citaro and Evo-Bus (ZF axle)



3/4"

**79,50 €**



D1 mm	D2 mm	D3 mm	Number of studs	B mm	Depth mm	Height mm
84,0	58,0	72,0	6	10,7	9,0	60,5

## 460.0620

### DIFFERENTIAL TAPERED ROLLER BEARING PULLER FOR MAN

- Designed for the damage-free removal of the cone roll bearings at the differential
- Extremely sturdy execution
- Includes 2 half shell pairs Ø 115 and Ø 137 mm
- Trapezoid thread spindle for high removal power - drive 30 mm
- Special tool steel

Application range: MAN differential roll bearing

**12 pcs**



30 mm



Ø 115 / 137 mm

**1048,50 €**

## 460.3905

### DIFFERENTIAL MAIN SHAFT BEARINGS PULLER SET FOR SCANIA

**7 pcs**

- For damage-free removal of the main shaft bearings of the differential
- Extremely sturdy execution
- Including 2 half-shell pairs
- Trapezoid thread spindle for high removal power - drive 30 mm
- Special tool steel

Application range: Scania (113/114) and MAN (410/414)



**982,50 €**





**460.5475**

### SHAFT SEAL ASSEMBLY MANDREL FOR MERCEDES

- ideally suited for damage-free installation of the shaft sealing rings
- To be used with a rubber hammer
- Seal seats are spared
- Special tool steel



**266,<sup>50</sup> €**

Ø 1 mm	Ø 2 mm	Ø 3 mm	Ø 4 mm	Height mm
208,0	171,5	163,5	142,0	182,0

**460.5476**

### SHAFT SEAL ASSEMBLY MANDREL FOR MERCEDES

- ideally suited for damage-free assembly of the cassette shaft seals
- To be used with a rubber hammer
- Seal seats are spared
- Special tool steel



**145,<sup>50</sup> €**

Ø 1 mm	Ø 2 mm	Ø 3 mm	Ø 4 mm	Height mm
165,0	152,5	142,0	132,0	158,0

**460.5477**

### SHAFT SEAL ASSEMBLY MANDREL FOR MERCEDES

- ideally suited for damage-free installation of the shaft sealing rings
- To be used with a rubber hammer
- Seal seats are spared
- Special tool steel

Application range: Mercedes Actros AP rear axles



**170,<sup>50</sup> €**

Ø 1 mm	Ø 2 mm	Height mm
176,0	142,0	164,0

**460.5478**

### POLE WHEEL MOUNTING MANDREL FOR MERCEDES

- ideally suited for damage-free installation of the pole wheels
- To be used with a rubber hammer
- Seal seats are spared
- Special tool steel

Application range: Mercedes Actros VA with brake discs and ABS, lift axles as well as identical axles of supports



**187,<sup>50</sup> €**

Ø 1 mm	Ø 2 mm	Height mm
186,0	159,0	162,0

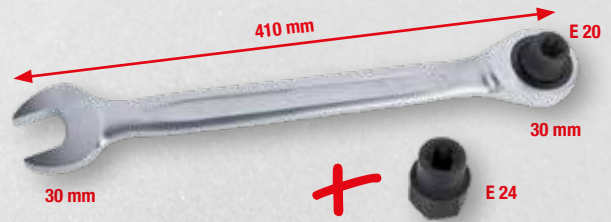
**450.0360**

### BRAKE CALLIPER SOCKET SET FOR MAN

- Special socket
- For the dismantling and assembly of brake line fittings
- Extra large drive for extremely tight fitting couplings
- Extremely robust
- Suitable for narrow spaces
- Chrome vanadium

**3 pcs**

**max. 805 Nm**



**90,<sup>90</sup> €**

### BRAKE CALIPER SOCKET FOR MAN

- For the dismantling and assembly of brake line fittings
- Extra large drive for extremely tight fitting couplings
- Extremely robust
- Suitable for narrow spaces
- Special tool steel

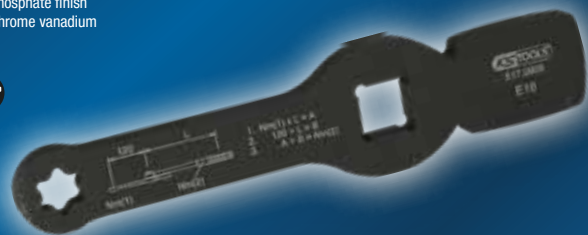


	6-point mm	Jaw opening E-TORX	
<b>460.5263</b>	22	E18	€ 27, <sup>90</sup>
<b>450.0361</b>	30	E20	€ 27, <sup>90</sup>
<b>450.0362</b>	30	E24	€ 27, <sup>90</sup>

### SLOGGING TORX-E SPANNER WITH 2 STRIKING FACES

- Torx-E-Profile
- Ideal for loosening and tightening TORX® screws on brake calliper screw connections
- Avoid disassembly of the steering tie lever
- With 3/4" square drive for the correct tightening of the screw
- With lasered troque formula for calculating the correct effective length
- With 2 impact area
- Phosphate finish
- Chrome vanadium

**3/4"**



	Jaw opening E-TORX	Height of head mm	Width mm	Length mm	
<b>517.0908</b>	E18	10,0	30,0	215,0	€ 48, <sup>50</sup>
<b>517.0910</b>	E20	12,0	32,0	220,0	€ 52, <sup>50</sup>
<b>517.0914</b>	E24	12,0	38,0	220,0	€ 52, <sup>50</sup>

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## 430.0605

### OIL DRAIN PLUG M22 X 1.5 X 18 MM FOR MAN

- Hexagon socket
- With washer

**28,90 €**



Content	
1	10


## 430.0613

### OIL DRAIN PLUG M14 X 1.5 X 35 MM FOR MERCEDES

- External hexagon
- With washer

**4,50 €**



Content	
1	13


## 430.0614

### OIL DRAIN PLUG M20 X 1.5 X 18 MM FOR MERCEDES

- Hexagon socket
- With washer

**11,90 €**



Content	
1	10


## 430.0615

### OIL DRAIN PLUG M26 X 1.5 X 21.5 MM FOR MERCEDES

- Hexagon socket
- With washer

**38,50 €**



Content	
1	14


## 460.5281

### OIL SERVICE SPECIAL PROFILE TOOL FOR PLASTIC OIL DRAIN PLUGS DAF AND MAN

- Special Bits for Assembly and Disassembly of Plastic Oil Drain Screws on Plastic Oil Sump
- External hexagon drive to DIN 3126 / ISO 1173 - C 6,3
- Custom-fit profile to ensure correct operation
- For manual operation

**14,90 €**



6-point mm		mm
17		8,5


## 430.0619

### OIL DRAIN PLUG FOR DAF AND MAN

- Hexagon socket
- With washer

**12,90 €**



Content	
1	8,5


## 460.5282

### OIL SERVICE SPECIAL PROFILE TOOL FOR PLASTIC OIL DRAIN PLUGS MERCEDES

- Special Bits for Assembly and Disassembly of Plastic Oil Drain Screws on Plastic Oil Sump
- External hexagon drive to DIN 3126 / ISO 1173 - C 6,3
- Custom-fit profile to ensure correct operation
- For manual operation

**14,90 €**



6-point mm		mm
17		15 x 3


## 430.0621

### OIL DRAIN PLUG FOR MERCEDES

- slotted profile
- With washer

**43,90 €**



Content	
1	15 x 3

## 460.5217

### OIL FILTER WRENCH Ø 94 MM / 14 SURFACES

- For the quick and professional installation and dismantling of the oil filter cover when changing the oil filter insert
- Use according to the manufacturer's specification for torque
- Suitable for left and right side operation
- Internal square drive to DIN 3120 - ISO 1174
- For manual operation
- Special tool steel

Application range: MAN 403, 463



1/2"

**73,90 €**



Spanner width mm	Number of stages	Number of sides
94	1	14

## 460.1185

### OIL FILTER WRENCH Ø 135.0 MM / 18 GROOVES

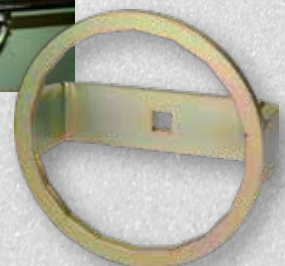
- For the quick and professional installation and dismantling of the oil filter cover when changing the oil filter insert
- Use according to the manufacturer's specification for torque
- Suitable for left and right side operation
- Internal square drive to DIN 3120 - ISO 1174
- For manual operation

Application range: MAN series F2000, FE and TGA



1/2"

**68,50 €**



Spanner width mm	Number of stages	Number of sides
135	1	18



## 160.0750

### BLEEDING AND FILLING TOOL KS 4 HY

- For the fast and safe hydraulic oil change, on clutch systems directly on the vehicle
- Pulsatile liquid flow
- Stepless pressure regulator
- Automatic end switching off in empty container
- Best suited for mineral oil (incl. hydraulic system agricultural engineering)
- Not suited for brake fluid
- Container drive for all standard original containers
- Pressureless uncoupling on the vehicle
- For hydraulic couplings
- Low pressure test possible
- One-man operation
- For mobile use as well as stationary
- Includes rubber cone set and euroadaptor E20

Application range: MAN-TGA / TGL / agricultural engineering  
 Caution: not suited for Mercedes



Technical data:

Capacity:	10 l
Max. flow rate:	>45 l/h
Work pressure:	0.5-3.5 bar
Operational voltage:	230 V / 50 Hz
Filling hose length:	3,5 m
Dimensions:	400 x 200 x 205 mm

**1348,<sup>50</sup> €**

## 160.0755

### BLEEDING AND FILLING TOOL KS 20 HY

- For the fast and safe hydraulic oil change, on clutch systems directly on the vehicle
- Pulsatile liquid flow
- Stepless pressure regulator
- Automatic end switching off in empty container
- Bleeding of the device after brake fluid change is not required
- Best suited for mineral oil (incl. hydraulic system agricultural engineering)
- Not suited for brake fluid
- Container drive for all standard original containers
- Pressureless uncoupling on the vehicle
- For hydraulic couplings
- Low pressure test possible
- One-man operation
- For mobile use as well as stationary
- Includes rubber cone set and euroadaptor E20

Application range: ACTROS with HPS2, ATEGO, AXOR & MAN-TGA / TGL / agricultural engineering  
 Caution: with permission of Mercedes!



Technical data:

Capacity:	20 l
Max. flow rate:	>45 l/h
Work pressure:	0.5-3.8 bar
Operational voltage:	230 V / 50 Hz
Filling hose length:	3,6 m
Dimensions:	960 x 500 x 400 mm

**1765,<sup>50</sup> €**

## 460.5218

### OIL SENSOR SPECIAL SOCKET FOR MAN, 3 PINS

- with 3 pins
- for professional mounting and dismantling of the oil pressure sensor
- Use according to the manufacturer's specification for torque
- Suitable for left and right side operation
- For manual operation
- Special tool steel

1/2"

**81,<sup>50</sup> €**



Internal Ø mm	External Ø mm	Number of studs	Stud width mm
46,0	52,0	3	10,0

## 460.5219

### OIL SENSOR SPECIAL SOCKET FOR MERCEDES

- 6 point
- for professional mounting and dismantling of the oil pressure sensor
- Use according to the manufacturer's specification for torque
- with side window and open
- Suitable for left and right side operation
- For manual operation
- Special tool steel

1/2"

**27,<sup>90</sup> €**



Spanner width	External Ø mm
27	35,5

## 460.0960

### MERCEDES TRANSMISSION OIL CONTROL DIPSTICK

- Ideal for the easy, quick and correct control of transmission oil levels
- Essential following an oil change, since vehicles are shipped without a measuring device and only have a plug
- Time-saving and reliable measurements
- With plastic hand grip



**41,<sup>90</sup> €**

### HUB NUT CENTERING AND PROTECTING SLEEVES SET

- For fast disassembly and assembly of truck tyres
- To fix the brake drum
- No slipping while the disassembly and assembly
- Protects hub nut threads
- Exact centering of the wheel to hub nut
- Special tool steel

Application:  
 DAF, Unimog, Iveco, MAN, Renault, Volvo



	Content	Rim hole Ø mm	Length mm	Jaw opening inche	Spanner width mm	
<b>450.0372</b>	M18x1,5	3	21,0	100,0	1/2"	€ 68, <sup>50</sup>
<b>450.0373</b>	M18x1,5	3	24,0	100,0	1/2"	€ 70, <sup>90</sup>
<b>450.0374</b>	M20x1,5	3	23,0	100,0	1/2"	€ 70, <sup>90</sup>
<b>450.0370</b>	M22x1,5	2	26,0	145,0	19,0	€ 93, <sup>50</sup>
<b>450.0376</b>	M22x1,5	3	32,0	100,0	1/2"	€ 83, <sup>50</sup>

# ...AND YOU WANT MORE?

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