Innovation is our mission!
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<td>Wheel Hub Tool System PP I</td>
<td>525-526</td>
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<td>Wheel Hub Tool System PP II</td>
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<td>Axle Boots</td>
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<td>Universal Press Frame System PP I</td>
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<td>Hydraulic Support System PP I</td>
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<td>Hydraulic Support Universal</td>
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<td>C-Frame System PP I</td>
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<tr>
<td>Hydraulic System PP II</td>
<td>537-539</td>
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<tr>
<td>Adaptor</td>
<td>539</td>
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<tr>
<td>Press Stand System PP II</td>
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<td>Silent Bearing Tool System PP II</td>
<td>540-542</td>
</tr>
<tr>
<td>Silent Bearing Tool System PP III</td>
<td>542-544</td>
</tr>
<tr>
<td>Camber Adjustment Tools</td>
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<td>Tracking Adjustment Tools</td>
<td>545-546</td>
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<td>Lever / Pry Bars</td>
<td>546-547</td>
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<tr>
<td>Axle Play Test Tool</td>
<td>547</td>
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<tr>
<td>Socket Set for Chassis Bolting</td>
<td>547-548</td>
</tr>
<tr>
<td>Vibro Impact</td>
<td>548-549</td>
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<td>Extractor</td>
<td>549</td>
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<tr>
<td>Press Underlays</td>
<td>549</td>
</tr>
</tbody>
</table>
WHEEL BEARING SYSTEM PP I

Tool set for compact wheel hub bearing unit

- Includes spindle M18/M20
- Enables use directly on the vehicle
- Minimum labour - high time savings
- Safe and simple use
- Use also in connection with workshop press
- Possible expansion for bearing Ø 62-66 mm
- Special steel

Application area: Audi A2 from MY 00, Skoda Fabia from MY 00, Volkswagen Polo from MY 02 / Fox from MY 05, Seat Ibiza from MY 02, etc.

Half cup auxiliary kit Ø 62 mm

- As complement to 150.2145
- Special steel

Application range: Volkswagen Lupo, Audi A2 1.2L, etc.

Half cup auxiliary kit Ø 66 mm

- As complement to 150.2145
- Special steel

Application range: Volkswagen Polo from MY 02, Skoda Fabia from MY 00, etc.

Half cup auxiliary kit Ø 72 mm

- As complement to 150.2145
- Special steel

Application range: Ford Focus, Volvo

Drive spindle

- As complement to wheel bearing puller 150.2145-1
- Special steel

Technical data:

- Thread: M20
- Drive spindle: External hexagon 22.0 mm
- Drive nut: External hexagon 30.0 mm

VAG wheel bearing tool set

- 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: Volkswagen-Polo now, Audi A2, Skoda Fabia, Seat Ibiza

Half shell expansion set Ø 78 mm

- To expand 150.2145
- Special steel

Application range: Ford Focus, Volvo

<table>
<thead>
<tr>
<th>X</th>
<th>Ø</th>
<th>mm</th>
<th>mm</th>
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</thead>
<tbody>
<tr>
<td>150.2140 1 Drive unit 3 pcs</td>
<td>44.04</td>
<td>64.00</td>
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<tr>
<td>150.2134 Pressure bell universal with bore hole M20</td>
<td>10.10</td>
<td></td>
<td></td>
</tr>
<tr>
<td>150.2133 Half cup pair black for bearing Ø62 mm</td>
<td>1.71</td>
<td></td>
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<tr>
<td>150.2149 Thrust piece for 150.2143</td>
<td>0.43</td>
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<tr>
<td>150.2138 3 Fixing screw for half cup, M4x1.5</td>
<td>0.05</td>
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</table>

HYDRAULIC SYSTEM PP II

Pressure and pull hydraulic cylinder set

- For the assembly and disassembly of silent bearings, steering pin bolts, wheel bearings, etc.
- Can be used in the narrowest of spaces
- With adjustable pressure rods and impact body
- With automatic piston return
- Special steel

Application range: Ford Focus, Volvo

<table>
<thead>
<tr>
<th>X</th>
<th>Ø</th>
<th>mm</th>
<th>mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>150.2147 1 Thrust piece for 150.2141</td>
<td>42.7</td>
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</tr>
<tr>
<td>150.2131 Half cup pair chrome for bearing Ø66 mm</td>
<td>1.46</td>
<td></td>
<td></td>
</tr>
<tr>
<td>150.2127 2 Fixing screw for half cup, M4x1.5</td>
<td>0.23</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Half cup auxiliary kit Ø 66 mm

- As complement to 150.2145
- Special steel

Application range: Volkswagen Polo from MY 02, Skoda Fabia from MY 00, etc.

Half cup auxiliary kit Ø 72 mm

- As complement to 150.2145
- Special steel

Application range: Audi A2 from MY 00, Skoda Fabia from MY 00, Volkswagen Polo from MY 02 / Fox from MY 05, Seat Ibiza from MY 02, etc.

<table>
<thead>
<tr>
<th>X</th>
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<tr>
<td>150.2141 10 pcs</td>
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<tbody>
<tr>
<td>150.2148 3 pcs</td>
<td>Half shell expansion set Ø 78 mm</td>
<td>2.19</td>
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<table>
<thead>
<tr>
<th>X</th>
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<tbody>
<tr>
<td>150.2146 3 pcs</td>
<td>Pressure piece, 60 x 30 x 32 mm</td>
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<td>150.2145 1 Half shell set, 2 pcs (gold)</td>
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<thead>
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<th>X</th>
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<tbody>
<tr>
<td>150.2148 1 Thrust piece for 150.2142</td>
<td>42.7</td>
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<td></td>
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<tr>
<td>150.2132 Half cup pair chrome for bearing Ø62 mm</td>
<td>1.46</td>
<td></td>
<td></td>
</tr>
<tr>
<td>150.2127 3 Fixing screw for half cup, M4x1.5</td>
<td>0.23</td>
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<th>X</th>
<th>Ø</th>
<th>mm</th>
<th>mm</th>
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<tbody>
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<th>X</th>
<th>Ø</th>
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<tbody>
<tr>
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<table>
<thead>
<tr>
<th>X</th>
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<th>mm</th>
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</thead>
<tbody>
<tr>
<td>150.2141 6 pcs</td>
<td>86.0</td>
<td>3.10</td>
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<table>
<thead>
<tr>
<th>X</th>
<th>Ø</th>
<th>mm</th>
<th>mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>140.0020 4 pcs</td>
<td>Pressure and pull hydraulic cylinder set</td>
<td>2.19</td>
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</tr>
</tbody>
</table>
### Pressure and pull hydraulic cylinder set, 16 t

- For the assembly and disassembly of silent bearings, steering pins, track rod ends, wheel bearings, etc.
- Suitable for both pressurised and tensioned uses
- With automatic piston return
- • Especially for use with press tool and press stand
- With automatic return
- Including hydraulic hose with quick coupling

### Technical data cylinder

<table>
<thead>
<tr>
<th>Part</th>
<th>Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>440.0003</td>
<td>Hydraulic cylinder, 32 t</td>
<td>6 pcs</td>
</tr>
<tr>
<td>440.0004</td>
<td>Adjustable pressure rod M22, L = 199 mm</td>
<td>340</td>
</tr>
<tr>
<td>440.0005</td>
<td>Collar nut, M22</td>
<td>90</td>
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<tr>
<td>440.0006</td>
<td>Protective ring for thread, 2.1/2&quot;</td>
<td>120</td>
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<tr>
<td>440.0007</td>
<td>Oilkrit hydraulic for connection thread 1/4&quot;</td>
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<tr>
<td>440.0008</td>
<td>Pressure rod, M18/M22, L = 250 mm</td>
<td>440</td>
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</tbody>
</table>

Stroke: 67.0 mm

connection thread: Cejn quick coupling
Capacity: 32 t
outer thread: 1.1/2"

• Maximum pressure with small effort

### Pull rod, collar nut, adapter set

- Universal usage
- • Extremely robust spindle with inductive hardened thread (M10-M22)
- • Optimal use with trucks, transporters and commercial vehicle tools with corresponding reduction
- • Ideally suited to hydraulic cylinders 440.0005, 440.0010 and 440.0020
- • Special steel

### Technical data cylinder

<table>
<thead>
<tr>
<th>Part</th>
<th>Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>440.0010</td>
<td>Hydraulic cylinder, 14 t</td>
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<tr>
<td>440.0011</td>
<td>Adjustable pressure rod M24, L = 99 mm</td>
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<td>440.0012</td>
<td>Oilkrit hydraulic for connection thread 1/4&quot;</td>
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</tr>
</tbody>
</table>

Stroke: 55.0 mm

connection thread: Cejn quick coupling
Capacity: 14 t
outer thread: 1.1/2"

• Maximum pressure with small effort

### Pressure and pull hydraulic cylinder set, 32 t

- • Optimal for universal use in car garages
- Suitable for both pressurised and tensioned uses
- • Extremely high and uniform power construction
- • Industrial design 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
- • Special steel

### Technical data cylinder

<table>
<thead>
<tr>
<th>Part</th>
<th>Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>440.0013</td>
<td>Hydraulic cylinder, 32 t</td>
<td>4 pcs</td>
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<tr>
<td>440.0014</td>
<td>Impact body, M22 x 3 mm</td>
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<td>440.0015</td>
<td>Protective ring for thread, 2.1/4&quot;</td>
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<tr>
<td>440.0016</td>
<td>Pressure axle, M24 x 3, L = 151 mm</td>
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<td>440.0017</td>
<td>Collar nut, M18</td>
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<td>440.0018</td>
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<tr>
<td>440.0019</td>
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</table>

Stroke: 113.0 mm

connection thread: Cejn quick coupling
Capacity: 32 t
outer thread: 2.1/2"

• Maximum pressure with small effort

### Short-stroke hydraulic cylinder set

- For the assembly and disassembly of silent bearings, steering pins, track rod ends, wheel bearings, etc.
- With adjustable pressure rod
- Maximum pressure with small effort
- Especially for use with press tool and press stand 440.0190 and 440.0180
- With automatic piston return
- Special steel

### Technical data cylinder

<table>
<thead>
<tr>
<th>Part</th>
<th>Description</th>
<th>Quantity</th>
</tr>
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<tbody>
<tr>
<td>440.0020</td>
<td>Hydraulic cylinder, 32 t</td>
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<td>440.0021</td>
<td>Adjustable pressure rod M24, L = 199 mm</td>
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<tr>
<td>440.0022</td>
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<td>440.0023</td>
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</tbody>
</table>

Stroke: 115.0 mm

connection thread: Cejn quick coupling
Capacity: 32 t
outer thread: 2.1/2"

• Maximum pressure with small effort

### Hydraulic foot pump set

- For simple acting press cylinder
- Safety valve for prevention against too much force
- With automatic return
- Includes hydraulic hose with quick coupling

### Technical data:

<table>
<thead>
<tr>
<th>Part</th>
<th>Description</th>
<th>Quantity</th>
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<tbody>
<tr>
<td>440.0026</td>
<td>Pressure rod, M10</td>
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<tr>
<td>440.0027</td>
<td>Pressure rod, M12</td>
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<tr>
<td>440.0028</td>
<td>Pressure rod, M14</td>
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<tr>
<td>440.0029</td>
<td>Pressure rod, M22</td>
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<tr>
<td>440.0030</td>
<td>Adapter, M22-M10</td>
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<tr>
<td>440.0031</td>
<td>Adapter, M22-M12</td>
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<td>440.0032</td>
<td>Adapter, M22-M14</td>
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<tr>
<td>440.0033</td>
<td>Collar nut, M10</td>
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<tr>
<td>440.0034</td>
<td>Collar nut, M12</td>
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<td>440.0035</td>
<td>Collar nut, M14</td>
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</tr>
<tr>
<td>440.0036</td>
<td>Collar nut, M22</td>
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</tr>
</tbody>
</table>

Includes hydraulic hose with quick coupling

• With automatic return
- Suitable for both pressurised and tensioned uses
- • With automatic piston return
- • Especially for use with press tool and press stand 440.0190 and 440.0180
- With automatic piston return
- Special steel

### Pull rod, collar nut, adapter set

- Universal usage
- • Extremely robust spindle with inductive hardened thread (M10-M22)
- • Optimal use with trucks, transporters and commercial vehicle tools with corresponding reduction
- • Ideally suited to hydraulic cylinders 440.0005, 440.0010 and 440.0020
- • Special steel

Caution: The spindles must be greased before fi st use!
Pneumatic hydraulic pump set
• Pneumatic operation
• For simple acting press cylinder
• With automatic return
• Includes hydraulic hose with quick coupling

Technical data:
Connection thread: Cejn quick coupling
Volume: 1.4 l
Operating pressure: 700 bar
Tube length: 2200 mm

consists of:
440.0035 3 pcs Pneumatic hydraulic pump set 6.32

Manometer
• With Cejn quick coupling for direct coupling to all KS Tools hydraulic pumps
• With easy-to-read scale in psi and bar

Caution: The maximum pressure values for the hydraulic cylinder and given in the appropriate operator’s manual

440.0032 Manometer 3.00

ADAPTER

Klann hydraulic to KS PP2 tool
• For using the Klann hydraulic cylinder (17 t) with KS Tools tool 1.1/2” internal thread
• Adapter 2.1/4”-14 UNS (Klann thread) to 1.1/2” PP2
• Special steel

consists of:
440.0030 Klann hydraulic to KS PP2 tool 1.08

Paschke hydraulic to KS PP2 tools
• For using the Paschke hydraulic cylinder with KS Tools special tools PP2
• Adapter M68x2 mm (Paschke thread) to 1.1/2” PP2
• Special steel

consists of:
440.0037 Paschke hydraulic to KS PP2 tools 1.11

KS hydraulic to Klann tools
• For use with the KS Tools hydraulic cylinder PP2 (8.5-22 t) with Klann special tool
• Adapter 1.1/2” PP2 to 2.1/4”-14 UNS (Klann thread)
• Special steel

440.0039 KS hydraulic PP2 to Klann tools 2.20

KS hydraulic PP2 to Klann (commercial vehicles-commercial vehicles-special tools)
• For using the KS tools hydraulic cylinder PP2 (32t) with the Klann special tool (connection 2.3/4”-16 UNS)
• Adapter 2.1/2” PP2 to 2.3/4”-16 UNS (Klann thread)
• Special steel

440.0439 KS hydraulic PP2 to Klann (commercial vehicles-commercial vehicles-special tools) 7.40

KS hydraulic PP2 to Sauer, Müller, KS PP1 tools
• For use of the KS Tools hydraulic cylinder PP2 (8,5-22 t) with Sauer-, Müller-, KS PP1 special tools
• Adapter 1.1/2” PP2 to 2.1/4”-18 UN (Sauer, Müller, KS PP1)
• Special steel

440.0457 KS hydraulic PP2 to Sauer, Müller, KS PP1 tools 2.30

KS hydraulic PP2 to Paschke tools
• For using the Paschke KS Tools hydraulic cylinder PP2 (8.5-22 t) with Paschke special tools
• Adapter 1.1/2” PP2 auf M68x2 mm (Paschke thread)
• Special steel

440.0409 KS hydraulic to Paschke tools 5.30

KS hydraulic PP2 to KS commercial vehicles-special tools
• For use with hydraulic cylinder PP2 (16 and 22 t) to KS Tools tools PP2 with 2.1/2” thread
• Adapter 1.1/2” PP2 to 2.1/2” thread PP2 (large traverse - commercial vehicles)
• Special steel

440.0037 KS hydraulic PP2 to KS commercial vehicles-special tools 5.70

UNIVERSAL SPINDLE DRIVE

Mechanical spindle set
• Universally usable pressure rod including collar nut and pressure piece
• Extremely robust spindle with inductively hardened thread
• Ideally suited to tool sets 440.0075, 440.0065, 440.0095, 440.0100, 440.0073 and 440.0105
• Special steel

Caution: The spindles must be greased before first use!

440.0031 4 pcs Mechanical spindle set 1.11

consists of:
440.0031 Pressure rod with collar nut, M18, L = 330 mm 650
440.0032 Ring washer 60
440.0033 Pressure disk 310
440.0037 Collar nut, M18 80
WHEEL BEARING ASSEMBLY SYSTEM PP II

Universal tool set for compact wheel bearing assembly

- For the assembly of compact wheel bearings with and without securing ring
- Correct installation directly on the vehicle
- Max. load 22 t
- Adjustability allows for use on all compact bearing types
- Can be used with hydraulic cylinders or mechanical spindles
- Minimum work time
- Secure and easy to use
- Can be used alongside 440.0072, 440.0069, 440.0071 and 440.0064
- Special steel

Recommended hydraulic cylinder: 16 t (4400005) and 22 t (440.0010)
Application range: Volkswagen Polo, Lupo, Touareg, Fox, T5; Audi A2; Seat Ibiza, Cordoba; Škoda Fabia; Ford Focus, C- Max; Mondeo, S-Max, Kuga; Landrover Freelander 2; Mazda: 3, 5, 6, CX-7; Mercedes Sprinter, Vito; Volvo V50, S40, V70, S80, XC60; Mitsubishi Colt; Smart Forfour

Retainer plate assembly, Volkswagen

- Ideal for retaining during wheel bearing assembly
- Suitable for spindle M20
- Special steel
Application range: Volkswagen T5, Touareg

Assembly retainer plate Volkswagen/Audi/Seat/Škoda

- Ideal for compact bearing insertion as a retainer
- Simple handling
- Suitable for spindle M20
- Special steel
Application range: Volkswagen Polo, Lupo, Fox, Audi A2, Seat Ibiza, Cordoba, Škoda Fabia, Smart Forfour, Mitsubishi Colt

Assembly ring Ford/Mazda/Volvo

- Ideal for pressing in compact bearings
- Special steel
Application range: Volvo V70 > 2007, Ford Mondeo, Mazda 6

WHEEL BEARING ASSEMBLY SYSTEM PP II

Universal tool set for compact wheel bearing assembly

- For the assembly of compact wheel bearings with and without securing ring
- Correct installation directly on the vehicle
- Max. load 22 t
- Adjustability allows for use on all compact bearing types
- Can be used with hydraulic cylinders or mechanical spindles
- Minimum work time
- Secure and easy to use
- Can be used alongside 440.0072, 440.0069, 440.0071 and 440.0064
- Special steel

Recommended hydraulic cylinder: 16 t (4400005) and 22 t (440.0010)
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Retainer plate assembly, Volkswagen

- Ideal for retaining during wheel bearing assembly
- Suitable for spindle M20
- Special steel
Application range: Volkswagen T5, Touareg

Assembly retainer plate Volkswagen/Audi/Seat/Škoda

- Ideal for compact bearing insertion as a retainer
- Simple handling
- Suitable for spindle M20
- Special steel
Application range: Volkswagen Polo, Lupo, Fox, Audi A2, Seat Ibiza, Cordoba, Škoda Fabia, Smart Forfour, Mitsubishi Colt

Assembly ring Ford/Mazda/Volvo

- Ideal for pressing in compact bearings
- Special steel
Application range: Volvo V70 > 2007, Ford Mondeo, Mazda 6

WHEEL HUB DISASSEMBLY SYSTEM PP II

Universal tool for compact wheel bearing assembly

- For the disassembly of compact wheel bearings with or without securing ring
- Correct disassembly directly on the vehicle
- Max. load 22 t
- Adjustability ensures use on all compact bearing types
- Can be used with hydraulic cylinders or mechanical spindles
- Minimum work time
- Secure and easy to use
- Can be used alongside 440.0074
- Special steel

Recommended hydraulic cylinder: 16 t (4400005) and 22 t (440.0010)
Application range: Volkswagen Polo, Lupo, Fox, Audi A2; Seat Ibiza, Cordoba; Škoda Fabia, Ford Focus, C- Max; Mondeo, S-Max, Kuga; Landrover Freelander 2; Mazda: 3, 5, 6, CX-7; Mercedes Sprinter, Vito; Volvo V50, S40, V70, S80, XC60; Mitsubishi Colt; Smart Forfour

Universal disassembly disk, conical

- Conical disk for the assembly of compact wheel bearings
- Suitable for all sizes
- Special steel

Universal wheel bearing drive axle hub set

- Universal front-wheel bearing set with combined wheel hub drive shaft frame
- For the assembly of compact wheel bearings, hubs and drive shafts directly on the vehicle
- No removal of the ABS sensor, axle joint, spring feet or track rod joint
- Saves a lot of time since the axle does not need to be measured again
- Secure and easy to use
- Can be used alongside 440.0095, 440.0150 and 440.0100
- Special steel

Recommended hydraulic cylinder: 16 t (4400005) and 22 t (440.0010)
Application range: Volkswagen Polo, Lupo, Fox, Audi A2; Seat Ibiza, Cordoba; Škoda Fabia, Ford Focus, C-Max; Mondeo, S-Max, Kuga; Landrover Freelander 2; Mazda: 3, 5, 6, CX-7; Mercedes Sprinter, Vito; Volvo V50, S40, V70, S80, XC60; Mitsubishi Colt; Smart Forfour

Assembly ring Ford/Mazda/Volvo

- Ideal for pressing in compact bearings
- Special steel
Application range: Volvo V70 > 2007, Ford Mondeo, Mazda 6

Assembly ring Ford/Mazda/Volvo

- Ideal for pressing in compact bearings
- Special steel
Application range: Volvo V70 > 2007, Ford Mondeo, Mazda 6

Press frame for drive shaft and hub 5500

- Bearing screw, Ø 83 mm 550
- Bearing screw, Ø 78 mm 480
- Bearing screw, Ø 74 mm 440
- Bearing screw, Ø 71 mm 400
- Bearing screw, Ø 68 mm 350
- Bearing screw, Ø 63 mm 300
- Bearing shell, 77 mm 780
- Pressure tube, Ø 54 mm 500
- Retainer, 122 mm 810
- Adapter for 440.0075 150
- Pressure disk, 18 mm 550
- Hub screw, Ø 45 mm 100
- Hub screw, Ø 32 mm 90
- Hub screw, Ø 28 mm 75
- Hub screw, Ø 24 mm 60
- Hub screw, Ø 22 mm 45
- Hub screw, Ø 20 mm 35
- Hub screw, Ø 18 mm 25
- Hub screw, Ø 16 mm 20
- Bearing screw, Ø 74 mm 440
- Bearing screw, Ø 78 mm 480
- Bearing screw, Ø 83 mm 550
- Bearing screw, Ø 89 mm 600
- Traverse 2780
- Screw M12 50
- Locking screw M14 200
- Locking screw M14 t 320
- Screw M12 50
- Screw M12 M 100
- 440.0072 Universal wheel bearing drive axle hub set 11.14
- 440.0076 Hub screw, Ø 32 mm 90
- 440.0077 Hub screw, Ø 28 mm 75
- 440.0078 Hub screw, Ø 24 mm 60
- 440.0079 Hub screw, Ø 22 mm 45
- 440.0081 Pressure disk, 18 mm 550
- 440.0092 Bearing screw, Ø 74 mm 440
- 440.0093 Bearing screw, Ø 78 mm 480
- 440.0094 Bearing screw, Ø 83 mm 550
- 440.0095 Pressure foot set for compact wheel bearings, 2 pcs. 4000
Adjustable wheel bearing plate

- Ideally used when disassembling wheel bearings which are removed from the inside
- Allows for a flat press surface with 3 installation screws
- The wheel bearings do not tilt
- Used together with the universal wheel bearing axle drive hub set (440.0075)
- Secure and easy to use
- Special steel

Application range: Citroën, Peugeot and Renault

<table>
<thead>
<tr>
<th>Item</th>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>440.0098</td>
<td>Pressure disk, large</td>
<td>2.20</td>
</tr>
<tr>
<td>440.0097</td>
<td>Pressure pipe, large</td>
<td>2.78</td>
</tr>
</tbody>
</table>

Separator screw set for Volkswagen wheel bearing

- Expansion for universal wheel bearing axle hub set (440.0075)
- Ideal for the assembly and disassembly of wheel bearings and hubs
- Secure and easy to use
- Special steel

Application range: Volkswagen T5, Touareg

<table>
<thead>
<tr>
<th>Item</th>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>440.0124</td>
<td>Drive shaft press out device, 5 hole</td>
<td>4090</td>
</tr>
<tr>
<td>440.0126</td>
<td>Special nut set, 5 pcs, M14 x 2</td>
<td>4090</td>
</tr>
</tbody>
</table>

Bearing and hub shell set

- Expansion for universal wheel bearing drive axle hub set (440.0075)
- Ideal for the assembly and disassembly of wheel bearings and hubs
- Secure and easy to use
- Special steel

Application range: Ford C-Max, Mazda 3, Volvo S40/V50, as well as certain models from Citroën, Peugeot, Renault and VAG with separated wheel bearings/hubs

<table>
<thead>
<tr>
<th>Item</th>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>440.0132</td>
<td>Bearing and hub shell set</td>
<td>4.98</td>
</tr>
</tbody>
</table>

Wheel bearing set, front for Ford

- For the assembly and disassembly of compact bearings on the front axle
- Correct installation and removal directly on the vehicle
- Wheel bearing replacement direct on the vehicle with minimal time required
- Replacing the brake disks or destroyed wheel bearings
- Secure and easy to use
- For use with hydraulic cylinder
- Special steel

Application range: Ford Transit > 2000

<table>
<thead>
<tr>
<th>Item</th>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>440.0130</td>
<td>Wheel bearing set, front for Ford</td>
<td>5.24</td>
</tr>
</tbody>
</table>

Wheel bearing set, front for Nissan/Opel/Renault

- For the assembly and disassembly of compact bearings on the front axle
- Correct installation and removal directly on the vehicle
- Minimum work time
- Secure and easy to use
- No damage to the ABS sender
- Special steel

Recommended hydraulic cylinder: 16 t (440.0005), 22 t (440.0010), 32 t (440.0025)

Application range: Nissan Primastar, Opel Vivaro, Renault Trafic

<table>
<thead>
<tr>
<th>Item</th>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>440.0195</td>
<td>Wheel bearing set, front for Nissan/Opel/Renault</td>
<td>5.82</td>
</tr>
</tbody>
</table>

Wheel bearing set, rear for Ford

- For assembly and disassembly on compact bearings on the rear axle
- Correct installation and removal directly on the vehicle
- M14 x 2 special nuts for the best centering
- Ideal for 5 hole hubs
- Secure and easy to use
- For use with hydraulic cylinder
- Special steel

Application range: Ford Transit > 2000

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<thead>
<tr>
<th>Item</th>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>440.0130</td>
<td>Wheel bearing set, rear for Ford</td>
<td>4.32</td>
</tr>
</tbody>
</table>

Wheel bearing set, front for Renault/Nissan/Opel

- For the assembly and disassembly of compact bearings on the front axle
- Correct installation and removal directly on the vehicle
- Minimum work time
- Secure and easy to use
- No damage to the ABS sender
- Special steel

Recommended hydraulic cylinder: 32 t (440.0025)

Application range: Renault Master, Nissan Interstar, Opel Movano > 2010

<table>
<thead>
<tr>
<th>Item</th>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>440.0145</td>
<td>Wheel bearing set, front for Renault/Nissan/Opel</td>
<td>12.81</td>
</tr>
</tbody>
</table>

Separator screw set for Volkswagen

- Expansion for universal wheel bearing axle hub set (440.0075)
- Ideal for the assembly and disassembly of wheel bearings and hubs
- Secure and easy to use
- Special steel

Application range: Volkswagen T5, Touareg

<table>
<thead>
<tr>
<th>Item</th>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>440.0124</td>
<td>Drive shaft press out device, 5 hole</td>
<td>4090</td>
</tr>
<tr>
<td>440.0126</td>
<td>Special nut set, 5 pcs, M14 x 2</td>
<td>4090</td>
</tr>
</tbody>
</table>
Wheel bearing set, front for Citroën/Fiat/Peugeot

- For the assembly and disassembly of compact bearings on the front axle
- Only for use alongside the bearing disk (440.0113) and hub disk (440.0123)
- Correct installation and removal directly on the vehicle
- Minimum work time
- Secure and easy to use
- No damage to the ABS sender
- For all models >2007 the press ring (440.0085) must be used
- Special steel

Recommended hydraulic cylinder: 32 l (440.0025)
Application range: Citroën Jumper, Fiat Ducato, Peugeot Boxer, x 2007

For the assembly and disassembly of compact bearings on the front axle
- Correct installation and removal directly on the vehicle
- Minimum work time
- Secure and easy to use
- No damage to the ABS sender
- For all models >2007 the press sleeve (440.0166) and the press ring set (440.0085) must be used
- Special steel

Recommended hydraulic cylinder: 16 l (440.0005), 22 l (440.0010), 32 l (440.0025)
Application range: Nissan Interstar, Opel Movano, Renault Master 2000-2010

Drive shaft press out device, 5 hole

- Suitable for the removal of rusty and stuck drive shafts directly on the vehicle
- For hole diameters of 100-170 mm
- Ideal for the disassembly of the wheel hub with hydraulic cylinder
- No damage to the drive shaft or other parts
- Secure and easy to use
- Minimum work time
- Special steel

Recommended hydraulic cylinder: 32 l (440.0025)
Application range: Transport vehicles
Wheel hub tool set, front for Renault:
- Expansion for wheel bearing set (440.0160)
- Ideal for the removal of wheel hubs and wheel bearings
- Secure and easy to use
- Optional usage for brake disks mounted behind the wheel hub
- Pressing out the hub with the help of the wheel hub tool (440.0124)
- Minimum work time
- Secure and easy to use
- No damage to the ABS sender
- Special steel

Recommended hydraulic cylinder: 32 l (440.0025)
Application range: Renault Master, models with the brake disks mounted behind the wheel hub

Wheel hub puller set, Iveco:
- Special tool for removing the prop shaft or the wheel hub
- Ideal for use with a hydraulic cylinder
- Easy installation and easy handling
- Special steel

Recommended hydraulic cylinder: 16 l (440.0005), 22 l (440.0010)
Application range: Iveco Daily 29-50

Wheel bearing set, rear for Mercedes:
- For assembly and disassembly on compact bearings on the rear axle
- Correct installation and removal directly on the vehicle
- Minimum work time
- Secure and easy to use
- No damage to the ABS sender
- Special steel

Recommended hydraulic cylinder: 16 l (4400005) and 22 l (440.0010)
Application range: Mercedes Vito, Viano (W639) 2003-2010

Wheel bearing set, rear for Volkswagen/Audi/Porsche:
- For assembly and disassembly on compact bearings on the rear and front axle
- Correct installation and removal directly on the vehicle
- Minimum work time
- Secure and easy to use
- No damage to the ABS sender
- Special steel

Recommended hydraulic cylinder: 16 l (440.0005), 22 l (440.0010) and 32 l (440.0025)
Application range: Audi Q7, Volkswagen Touareg, Porsche Cayenne

Wheel bearing set for Volkswagen/Audi/Porsche:
- For assembly and disassembly on compact bearings on the rear and front axle
- Correct installation and removal directly on the vehicle
- Minimum work time
- Secure and easy to use
- No damage to the ABS sender
- Special steel

Recommended hydraulic cylinder: 16 l (440.0005), 22 l (440.0010) and 32 l (440.0025)
Application range: Audi Q7, Volkswagen Touareg, Porsche Cayenne

Universal car wheel bearing tool set:
- For the dismantling and assembly of wheel housings and hub directly on the vehicle
- Extension of the suspension strut and axle joint is no longer required
- Correct and protective installation of the housings through the correct pressure point at the bearing outer ring
- Suits for axle tube and for axle with the housing adjoining at an alliance
- High time savings as reactive axle alignment is not necessar-ly required
- 300 mm gear pulling spindle
- Through enclosed bolts (M12 + M14) wheel hubs can be removed
- Pressure bearing protects against increased friction during the process
- Special steel
- In durable plastic storage case

Application range: Volkswagen, Audi, Opel, Mercedes Benz, Peugeot, Citroen, Renault, Ford, Honda, Mazda, Mitsubishi, Nissan, Toyota, Austin-Maestro, BMW

Wheel hub tool set, front for Renault
440.0170 7 pcs Wheel hub set, front for Renault 5.44

Wheel hub puller set, Iveco
440.0150 4 pcs Wheel hub puller set, Iveco 1.42

Wheel bearing set, rear for Mercedes
440.0160 10 pcs Wheel bearing set, rear for Mercedes 8.31

Wheel bearing set, rear for Volkswagen/Audi/Porsche
440.0155 10 pcs Wheel bearing set for Volkswagen/ Audi/Porsche 10.33

Universal car wheel bearing tool set
150.2200 31 pcs Universal car wheel bearing tool set 11.24
### Universal car wheel bearing tool set

- For the dismantling and assembly of wheel housings and hub directly on the vehicle
- Extension of the suspension strut and axle joint is no longer required
- Suits for axle tube and for axle with the housing adjoining at an alliance
- High time savings as reactive axle alignment is not necessarily required
- With 300 mm gear pulling spindle
- Through enclosed bolts (M12 + M14) wheel hubs can be removed
- Extra long execution 65 mm pressure nut for better load distribution
- Pressure bearing protects against increased friction during the process
- Special steel
- In durable plastic storage case

**Application range:** Volkswagen, Audi, Opel, Mercedes Benz, Peugeot, Citroen, Renault, Ford, Honda, Mazda, Mitsubishi, Nissan, Toyota, Austin-Maestro, BMW

### Wheel bearing tool kit Ford Transit

*For the assembly and disassembly of the compact wheel hub / bearing unit*
- Correct installation and removal directly on the vehicle
- Minimum work time
- Secure and easy to use
- Special steel
- In durable plastic storage case

**Application range:** Front axle Ford Transit from 2006

#### Wheel bearing tool set consists of:

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>150.2379</td>
<td>Wheel bearing tool kit Ford Transit</td>
<td>17 pcs</td>
</tr>
</tbody>
</table>

### ABS ROTOR TOOL

*Special nut for ABS rotor, Jaguar*

- Ideally suited to the assembly and disassembly of the ABS rotors, e.g. when changing the wheel bearings
- Internal square in accordance with DIN 3121 / ISO 1174
- Special profile
- For manual operation
- Matt finish
- Chrome vanadium

**Application range:** Jaguar XJ8 and XKR (X100) 3.5/XKR and XK (X100) 5.0/Jaguar XJ8 and XJR (X308) 3.2 and 4.0Gat 6 Type V8/all XF/V8-all XJ (X351) V8

### Wheel bearing tool set

*For removal and installation of the compact wheel hubs / bearing unit*
- Enables de -and assembly directly on the vehicle
- Minimum labour
- Safe and simple use
- Special steel
- In durable plastic storage case

**Application range:** Volkswagen T5 Transporter

#### Wheel bearing tool set consists of:

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>150.2371</td>
<td>Counter bracket f. wheel hub fix. ge</td>
<td>570</td>
</tr>
<tr>
<td>150.2375</td>
<td>Wheel hub fix. ge with threaded adaptor 1.1/2” x 16G</td>
<td>750</td>
</tr>
<tr>
<td>150.2376</td>
<td>Pressure plate big</td>
<td>910</td>
</tr>
<tr>
<td>150.2377</td>
<td>Pressure plate small</td>
<td>520</td>
</tr>
<tr>
<td>150.2378</td>
<td>Locking pin f. wheel hub fix. ge, 5 pcs</td>
<td>260</td>
</tr>
<tr>
<td>150.2379</td>
<td>Wheel tool 1.1/2” x 16G</td>
<td>1900</td>
</tr>
<tr>
<td>150.2377</td>
<td>Pressing tool for bearing ring, 2 pcs</td>
<td>810</td>
</tr>
<tr>
<td>150.2378</td>
<td>Tapering arm f. half shell coupling, 3 pcs</td>
<td>405</td>
</tr>
<tr>
<td>150.2379</td>
<td>Locking pin f. half shell coupling, 2 pcs</td>
<td>90</td>
</tr>
</tbody>
</table>

### Universal slide hammer

*Extra heavy and solid execution*
- For universal use for automobiles + trucks
- Enormous impact delivery of up to 11 tonnes
- With 6 kg impact weight
- Includes 3 kg additional weight
- With M 20 x 1.5 mm connection thread
- Additional weights can be screwed together
- Special steel

**Universal slide hammer Pp I**

#### Wheel hub tool system PP I consists of:

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>150.2940</td>
<td>Wheel hub tool system PP I</td>
<td>62.0</td>
</tr>
</tbody>
</table>

### Accessories:

- Wheel hub/drive fix. ge diametrical tool
- Adaptor ET UN 1.1/2” x IT M60 x 1.5
- Adaptor for double hook
- Universal hook M60 x 1.5 for ball joints + car body
- Double hook
- Adaptor ET UN 1.1/2” x IT M16 x 2.0
- Single screw adaptor AD M17 x 1
Universal wheel hub extractor set
- Extra heavy and solid execution
- For the extension of the wheel hub
- Ideal for passenger cars and small vans
- Enormous impact delivery of up to 11 t
- With 6 kg impact weight
- Includes 3 kg additional weight
- With M 25 x 1.5 mm connection thread
- Weights varyably attachable and removable
- Special steel

Wheel hub and bearing dismantling set
- Special tool for expressing the joint hubs or drawing off the wheel hub
- Massive tool, made out of a one piece
- Special steel

Wheel hub and bearing extractor supplement set
- By means of this supplement assortment wheel hubs with a hub alliance of more than 857 mm can be correctly dismantled
- The wheel hub- and joint cover dismantling flap is through long thread bolts and Distance sheath is a slight distance away so the hub alliance can be placed
- Special bevelled edge which the hub can easily be replaced with contamination to the wheel hub housings
- Includes wall holder

Drive shaft press out device set, 4 and 5 hole
- Ideally suited to pressing out rusty and stuck drive shafts
- For all passenger cars and trucks with 4 and 5 hole hubs
- For hole diameters up to 120 mm
- Optimal for the disassembly of the wheel hub with a hydraulic cylinder or adapter (440.0119) and the impact hammer (440.0080)
- No damage to the drive shaft or other parts
- Secure and easy to use
- Minimum work time
- Special steel

Recommended hydraulic cylinder: 16 t (4400005) and 22 t (440.0101)

Impact hammer
- Ergonomic handle
- Ideal for use alongside the adapter (440.0119) and the drive shaft press out device set (440.0115) or the wheel hub dismantling set (440.0110)

WHEEL HUB TOOL SYSTEM PP II

Adaptor for impact hammer
- Ideally used for adapting the drive shaft press out device set (440.0115) and the impact hammer (440.0080)
- Special steel

WHEEL HUB TOOL SYSTEM PP III

Wheel hub impact puller
- Suitable for removing 4 and 5 hole wheel hubs
- Hoses from 103 to 150 mm
- With 1.2 kg impact force
- Optimal grip with plastic handle
- Ideally used when replacing wheel bearings
- Simple handling
- Special steel
Universal wheel bearing puller and drive shaft puller, hydraulic
• Special tool for expressing the joint hubs or drawing off of the wheel hub
• Massive tool, made out of a one piece
• Special steel

Universal wheel hub extractor set
• For bolt circle diameter up to 250 mm
• Clamp foot hole for bolts 14 mm, 18 mm + 22 mm
• Special steel

Universal bearing ring puller 2 arm with clamping yoke
• Clamp compresses hooks firmly
• Prevents slippage
• Pressure peak centers itself optimally in the cone of the hub boring
• Extremely robust spindle with inductively hardened thread
• Special steel

Bearing ring lever
• For removing tight fitting bearing housings
• Ideally suited for the external rings of the split cone roll bearings
• Conventional tools are no longer required
• Remed handle for better control
• Universal applications
• Special steel

BEARING RING TOOL

Universal bearing ring puller 3-arm with clamping cone
• Ideally suited to the disassembly for the bearing internal shell
• With conical tension screw for proportional tension force distribution
• Self-centring jaw puller
• Central adjustment screw for different radii
• Ideal for confined spaces
• Extremely robust spindle with inductively hardened thread
• Special steel
• In durable plastic storage case

PLIERS FOR SECURING RINGS

Securing ring tool set
• For assembly and disassembly of the securing rings on wheel bearings
• Strengthens the adjusting screw with 1/4” ratchet
• Simple handling
• Ideal for passenger cars and transporters
• Very easy to replace the stud
• Special steel

consists of:

Universal wheel bearing puller and drive shaft puller, hydraulic

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Quantity</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>700.1400</td>
<td>Universal wheel bearing puller and drive shaft puller, hydraulic</td>
<td>11 pcs</td>
<td></td>
</tr>
</tbody>
</table>

Universal wheel hub extractor set

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Quantity</th>
<th>Unit</th>
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<tbody>
<tr>
<td>670.0015</td>
<td>Universal wheel hub extractor set</td>
<td>7 pcs</td>
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Consists of:

<table>
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<tr>
<th>Code</th>
<th>Description</th>
<th>Quantity</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>700.1405</td>
<td>Hydraulic spindle with centering point – Ag 1 1/2” x 16 G</td>
<td>1 1/2” x 16 G</td>
<td></td>
</tr>
<tr>
<td>700.1406</td>
<td>Disc traverse 100 mm</td>
<td>100 mm</td>
<td></td>
</tr>
<tr>
<td>700.1407</td>
<td>Puller pull arm set, 5 pcs</td>
<td>5 pcs</td>
<td></td>
</tr>
<tr>
<td>700.1408</td>
<td>Impact spanner, 30mm, L=200mm</td>
<td>30mm, L=200mm</td>
<td></td>
</tr>
<tr>
<td>700.1409</td>
<td>Impact spindle</td>
<td>2015</td>
<td></td>
</tr>
<tr>
<td>700.1410</td>
<td>Extension, small</td>
<td>60</td>
<td></td>
</tr>
</tbody>
</table>

Universal wheel hub extractor set

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Quantity</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>670.0016</td>
<td>Universal wheel hub extractor set</td>
<td>5 pcs</td>
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<td>700.1407</td>
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<td>Impact spanner, 30mm, L=200mm</td>
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<td>Impact spindle</td>
<td>2015</td>
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</tr>
<tr>
<td>700.1410</td>
<td>Extension, small</td>
<td>60</td>
<td></td>
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</tbody>
</table>

Universal bearing ring puller 3-arm with clamping cone

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Quantity</th>
<th>Unit</th>
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<td>670.0017</td>
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Consists of:

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<tr>
<th>Code</th>
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<tr>
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<td>7 pcs</td>
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Securing ring tool set

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<td>Replacement pins, Ø 2.5 mm, 2 pcs.</td>
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<td>2 pcs</td>
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<td>Replacement pins, Ø 3.5 mm, 2 pcs.</td>
<td>2 pcs</td>
<td>15</td>
</tr>
</tbody>
</table>
Circlip pliers for external circlips
• In accordance to DIN 5254
• Slip inhibiting machined precision tips
• Durable, straight design
• Self closing
• With rubber grip
• Power version
• Die forged
• Chrome vanadium

Circlip pliers for external circlips, angled
• In accordance to DIN 5256
• Slip inhibiting machined precision tips
• 90° angled tips
• With rubber grip
• Power version
• Die forged
• Chrome vanadium

Circlip pliers for internal circlips
• In accordance to DIN 5254
• Slip inhibiting machined precision tips
• Durable, straight version
• With rubber grip
• Power version
• Die forged
• Chrome vanadium

Circlip pliers for internal circlips, angled
• In accordance to DIN 5256
• Slip inhibiting machined precision tips
• 90° angled tips
• With rubber grip
• Power version
• Die forged
• Chrome vanadium

Wheel bearing circlip pliers, angled
• Sturdy precision tips
• 45° angled tips
• Self-opening
• With PVC dipped handle
• For assembly and disassembly of wheel bearing securing rings
• Can be used on the front and rear axle
• For all common wheel bearing securing rings
• Chrome vanadium

Drive shaft securing ring teeth with serrated tips
• With PVC dipped handle
• Serrated and angular tips
• Self-closing
• For assembly and disassembly of the securing rings on drive shafts
• For external security rings
• No slipping due to the serrated tips
• Chrome molybdenum

Application range: Opel, Mercedes, Volkswagen, etc.

Drive shaft securing ring teeth with shaped tips
• With PVC dipped handle
• Shaped tips
• Self-closing
• For assembly and disassembly of the securing rings on drive shafts
• For external security rings
• No slipping due to the serrated tips
• Chrome molybdenum

Application range: BMW, Opel, Ford, Mercedes, Volkswagen, etc.

Drive shaft securing ring teeth with 30° angled tips
• 30° angled
• With PVC dipped handle
• Self-closing
• Pier head with cut out and ring stop body
• For the disassembly and assembly of nut caps without lug retainer
• Chrome vanadium

Application range: For the dismantling of the external (bellow joints in the exchange of the axle boots and / or the drive shaft sleeves), e.g.: for Audi, Opel, Volkswagen (Golf, T4), Fiat, Mitsubishi.
Drive shaft securing ring teeth with slightly angled tips

- Slightly angled
- With PVC dipped handle
- Self-closing
- Checkerhead plier head
- For the disassembly and assembly of drive shaft circlips without lug retainer
- Slip proof
- Chrome vanadium

Application range: For the removal of external circlips e.g. on synchronisation joints

Drive shaft securing ring teeth with straight tips

- Straight form
- With PVC dipped handle
- Self-closing
- Checkerhead plier head
- For the disassembly and assembly of drive shaft circlips without lug retainer
- Slip proof
- Chrome vanadium

Application range: For the removal of external circlips e.g. on drive shafts, transmissions, etc.

### PROP SHAFT TOOL

**Universal CV joint removal puller**

- For correct removal of the constant velocity joint on the drive shaft
- Extra wide frame for large joints
- Anti-slip and adjustable jaws
- Ideal for swapping the rubber collar or joint
- Robust design
- Simple handling
- Special steel
- In durable plastic storage case

**Drive shaft thread repair set**

- For the repair of internal and external threads
- Ideal for drive shafts, lambda probes, wheel bolts, etc.
- Correct thread repair for damaged or sliced threads
- Suitable for a wide range of applications
- Drive optional with t handle or external hexagon drive
- In durable plastic storage case

**Special drive shaft impact socket, long**

- Specially designed for pulling in the drive shaft to the wheel hub
- With hardened spindle
- Ideal for pulling out drive shafts, lambda sensors, wheel bolts, etc.
- Use in a 1/2” impact wrench
- For machinery usage
- Chrome molybdenum

Application range: Drive shafts, lambda sensors, fuel injectors, Mercedes Benz Truck Transmissions 02/24/25/26, Mercedes Benz Actros, etc.
**Special drive shaft bit socket**
- Extremely robust 1/2" sockets, for use with 1/2" impact wrench
- Length: 43 mm
- Phosphate finish
- Chrome molybdenum

*Application e.g.:* Brake pads, brake disks, drive shaft connections etc.

<table>
<thead>
<tr>
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<th>150.1702</th>
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<tbody>
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<tr>
<td>150.1700</td>
<td>150.1702</td>
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</table>

**Drive shaft impact socket**
- 12 point
- Internal square to DIN 3120 / ISO 1174 with ball reception
- Very robust execution
- To operate the drive shaft center bolt
- Special steel

**Drive shaft special socket**
- 6 point
- To operate the drive shaft center bolt
- Internal square to DIN 3120 / ISO 1174 with ball reception
- Very robust execution
- Special steel

*Application range:* Land Rover + Range Rover

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</tr>
<tr>
<td>150.1710</td>
<td>150.1720</td>
<td>150.1730</td>
</tr>
</tbody>
</table>

**Drive shaft special socket for spline (XZN®) screws**
- Ideally suited to assembly and disassembly of screws on drive shaft flange (transmission side) from the wheel casing
- Internal square drive to DIN 3120/ISO 1174 with ball reception
- Extra-long execution
- With sand blasted bit insert
- Matt finish
- Chrome vanadium

*Application range:* Audi, Seat, Škoda, Volkswagen, etc.

**Special prop shaft impact socket set**
- For loosening and tightening screws on drive shafts
- Internal square to DIN 3121 / ISO 1174 with ball reception
- Very robust execution
- Special steel
- Includes storage rail

**Drive shaft bit socket-set for spline (XZN®) Screws**
- Ideally suited to assembly and disassembly of screws on drive shaft flange (transmission side) from the wheel casing
- Internal square drive to DIN 3120/ISO 1174 with ball reception
- Extra-long execution
- With sand blasted bit insert
- Matt finish
- Chrome vanadium

*Application range:* Audi, Seat, Škoda, Volkswagen, etc.

**XXL wobble extension**
- Internal square to DIN 3120/ISO 1174 with ball reception
- Wobble extension with ball lock
- 8° tilt angle to each side
- For manual operation
- Matt finish
- Chrome vanadium

**XXL wobble extension**
- Internal square to DIN 3120/ISO 1174 with ball reception
- Wobble extension with ball lock
- 8° tilt angle to each side
- For manual operation
- Matt finish
- Chrome vanadium

**Special socket, long**
- 12 point
- For Prop shafts, transmission flange, gear shafts, fuel injectors etc.
- Internal square to DIN 3120 / ISO 1174 with ball reception
- Very robust execution
- Special steel

*Application range:* Mercedes-Benz Truck Transmissions G2-24/26, Mercedes-Benz Actros, etc.
AXLE BOOTS

Universal CV joint boot kit, large, crimping 28-40 mm, joint 80-125 mm

• For almost all car types with larger diameter as van
• Low storage costs and fast availability due to the versatility
• Quick and easy installation
• Exchange directly on the vehicle is possible without disassembling the prop shaft
• Can be used with mounting cones or pneumatic fitting tool 515.3100
• Neoprene joint boots with a longer life
• With a large grip area for wide clamps
• Includes stainless steel clamps and grease

Technical data:
Suitable for crimping: 28.0 - 40.0 mm
Suitable for joints: 80.0 - 125.0 mm
Temperature constancy: -40°C - +110°C

<table>
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<th>L mm</th>
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<th>L4 mm</th>
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</table>

Universal CV joint boot kit, small, crimping 23-30 mm, joint 70-105 mm

• For almost all car types
• Low storage costs and fast availability due to the versatility
• Quick and easy installation
• Exchange directly on the vehicle is possible without disassembling the prop shaft
• Can be used with mounting cones or pneumatic fitting tool 515.3100
• Neoprene joint boots with a longer life
• With a large grip area for wide clamps
• Includes stainless steel clamps and grease

Technical data:
Suitable for crimping: 23.0 - 30.0 mm
Suitable for joints: 70.0 - 105.0 mm
Temperature constancy: -40°C - +110°C

<table>
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HOSE CLAMP TOOL

HOSE CLAMP TOOL

ERGOTORQUE® sock et screwdriver set

• Flexible
• Limited torque
• Double spiral shaft
• Plastic protective coating
• Two component handle
• With hanging hole
• Chrome vanadium

Technical data:
Includes steel band
Sizes adjustable
Stainless steel

<table>
<thead>
<tr>
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<th>L mm</th>
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</tr>
<tr>
<td>30.0</td>
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<td></td>
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</tbody>
</table>

ERGOTORQUE® screwdriver set

• Flexible blade with double spiral shaft
• Limited torque
• Plastic protective coating
• Two component handle
• With hanging hole
• Contains also the most current 1/4" bits and sockets
• In display box

Technical data:
For almost all car types
Sizes adjustable
Stainless steel

<table>
<thead>
<tr>
<th>D mm</th>
<th>L mm</th>
<th>L6 mm</th>
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<td>30.0</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

ERGOTORQUE® screwdriver set

• 6 point
• Flexible
• Limited torque
• Double spiral shaft
• Plastic protective coating
• Two component handle
• With hanging hole
• Chrome vanadium

Technical data:
Includes steel band
Sizes adjustable
Stainless steel

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<td>30.0</td>
<td></td>
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</tbody>
</table>
Hose clamp pliers
• With moveable jaws
• 45° angled head
• Suitable for the correct assembly and disassembly of Click, Click-R and Cobra clamps
• Also suitable for self-tensioning hose clamps with 1 3 pinch ends
• Suitable for narrow spaces
• Chrome molybdenum

Hose clamp pliers
• With PVC dipped handle
• For the fitting and clamping of ear clamps
• Suitable for the stainless steel hose clamps on drive shafts
• Robust cast steel construction

Hose clamp pliers, ear type
• Knurled handle
• For the dismantling and assembly of “ear type” hose clamp
• For connections on axle boots, coolers and fuel hoses
• Universal usage
• Chrome molybdenum

Hose clip pliers for earless hose bands
• With PVC dipped handle
• Also suitable for thermoplastic axle boots
• Uniform compressing of the ear piece
• No damage to the sleeve
• With lever translation
• Nickel-plated fins
• Chrome molybdenum

Application range: Axle boots for Audi, BMW, Chrysler, Ford, GM, Honda, Mazda, Mercedes, Nissan, Opel, Porsche, Volkswagen, etc.

Hose clip pliers for earless hose bands
• With PVC dipped handle
• 1/2” 4-point recess in the handle for use with torque wrench
• Chrome molybdenum

Application range: Volkswagen, Opel, Seat, GM, Ford, Nissan, Mercedes, Mazda, Honda, Chrysler, BMW and Audi

Hose clamp pliers, ear type
• With PVC dipped handle
• For the fitting of ear clamps
• No sticking up of the ears during the press process
• Uniform compressing of the ear piece
• No damage to the sleeve
• Nickel-plated fins
• Chrome molybdenum

Application range: Axle boots, coolant and fuel hoses for Volkswagen, Audi, Opel, BMW, Mercedes, Honda, Nissan and Mazda

Hose clip pliers for torque wrench
• Black plastic handle
• 3/8” drive for use with a torque wrench
• Enables clamping and/or compressing of the hose clamps
• Suitable for the stainless steel hose clamps on drive shafts

Application range: Volkswagen, Opel, Seat, GM, Ford, Nissan, Mercedes, Mazda, Honda, Chrysler, BMW and Audi

Hose clamp pliers
• With PVC dipped handle
• For working of earless clamps
• Also suitable for thermoplastic axle boots
• No damage to the sleeve
• With lever translation
• Nickel-plated fins
• Chrome molybdenum

Application range: Volkswagen, Opel, Seat, GM, Ford, Nissan, Mercedes, Mazda, Honda, Chrysler, BMW and Audi
### Stainless steel ball-lock cable ties

- Ideal for fastening axle boots, steering joints, etc.
- Adjustable as desired
- Stainless steel 304

### Hose strap cutter, angled

- To be sliced from earless hose clamps
- For connections on axle boots, coolers and fuel hoses
- Dipped covered handle
- Chrome vanadium

<table>
<thead>
<tr>
<th>Code</th>
<th>Length (mm)</th>
<th>Depth (mm)</th>
<th>Bundles</th>
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<tr>
<td>115.1095</td>
<td>94</td>
<td>50</td>
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</table>

### Clamping and cutting tool for tubing bands

- Straps for attaching to CV joint boots
- Integrated clamping and cutting device
- Suitable for pre-fabricated and endless band clamps up to 9.5 mm
- Special steel

### Hose strap cutter, angled

- For cutting off earless hose clamps
- 45° angled head
- For connections on axle boots, cooler and fuel hoses
- Damage-free opening of clamps and tubing bands
- Universal usage
- Nickel-plated fins

<table>
<thead>
<tr>
<th>Code</th>
<th>Length (mm)</th>
<th>Depth (mm)</th>
<th>Bundles</th>
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### Clamping and cutting tool for tubing bands

- Straps for attaching to CV joint boots
- Integrated clamping and cutting device
- Suitable for pre-fabricated and endless band clamps up to 9.5 mm
- Special steel

### Automotive hose clamp pliers set

- PVC dipped handle
- For opening and closing of cobra hose clamps
- Swivel pressed jaws
- Includes locking mechanism and ratchet function
- Self opening mechanism
- For the dismantling and assembly of hose clamps
- Includes bowden cable
- Chrome molybdenum

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Length (mm)</th>
</tr>
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<tbody>
<tr>
<td>115.1045</td>
<td>Hose clamp pliers (click type)</td>
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</tr>
<tr>
<td>115.1042</td>
<td>Hose clamp pliers (recessed/slot)</td>
<td>220</td>
</tr>
<tr>
<td>115.1187</td>
<td>Hose clamp pliers with pin/m, 8-18mm</td>
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</tr>
<tr>
<td>115.1095</td>
<td>Hose clamp pliers (d/b bowden cable), 650mm</td>
<td>94</td>
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</tbody>
</table>

### Automotive hose clamp pliers set

- Plier for stainless steel ball-lock cable ties
- Can be used up to a tape width of 12 mm
- Controlled clamping and precise cutting off of the cable binder in a single step
- Tensile force is determined by the operator
- For openion and closing of cobra hose clamps
- Swivel pressed jaws
- Includes locking mechanism and ratchet function
- Self opening mechanism
- For the dismantling and assembly of hose clamps
- Includes bowden cable
- Chrome molybdenum

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Length (mm)</th>
</tr>
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<tbody>
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<td>Hose clamp pliers (crown profile)</td>
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### Automotive hose clamp pliers set

- For connecting and removing fuel, immersed ventilation, coolant, washer water and vacuum hoses, etc.
- Volkswagen, Audi, Mercedes Benz, Toyota etc.
## PRESS AND PULL SLEEVE SET

<table>
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<th>700.1707</th>
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<td>2 x</td>
<td>2 x</td>
<td>2 x</td>
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<td>700.2356</td>
<td>Step pressure sleeve, internal Ø 14 mm, external Ø 24 mm</td>
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<td>700.2361</td>
<td>Step pressure sleeve, internal Ø 22 mm, external Ø 32 mm</td>
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<td>Step pressure sleeve, internal Ø 24 mm, external Ø 34 mm</td>
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<td>Step pressure sleeve, internal Ø 26 mm, external Ø 36 mm</td>
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<td>Pressure sleeve, internal Ø 60 mm, external Ø 70 mm</td>
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<td>Pull sleeve, internal Ø 70mm, external Ø 80mm</td>
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<td>Special thread grease</td>
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</table>
Press and pull sleeve set

- For the disassembly and assembly of bores
- Ideally for silent bearings, hydro bearings, bushings, ball bearing, simmerring, etc.
- Universal use for automobile, truck, municipally, country and forestry technology, etc.

Maximum permitted torque: Spindle M10x1.5 60 Nm

Spindle M10x1.5 100 Nm

Attention: The spindles need to be greased with a good lubricant for each application! Do not overload spindles, otherwise the thread lengths and the pitch of the nut and spindle no longer match. The result: The nuts will seize up. Always check the applied force at the drive with a torque wrench!

Press and pull sleeve set

- For the disassembly and assembly of bores
- Ideally for silent bearings, hydro bearings, bushings, ball bearing, simmerring, etc.
- Universal use for automobile, truck, municipally, country and forestry technology, etc.
- Outstanding to use also in connection with workshop press or hollow piston cylinder

Maximum permitted torque: Spindle M14x1.5 180 Nm

Spindle M16x1.5 250 Nm

Attention: The spindles need to be greased with a good lubricant for each application! Do not overload spindles, otherwise the thread lengths and the pitch of the nut and spindle no longer match. The result: The nuts will seize up. Always check the applied force at the drive with a torque wrench!

Press and pull sleeve set BASIC

- For the disassembly and assembly of bores
- Ideally for silent bearings, hydro bearings, bushings, ball bearing, simmerring, etc.
- Universal use for automobile, truck, municipally, country and forestry technology, etc.
- Outstanding to use also in connection with workshop press or hollow piston cylinder

Maximum permitted torque: Spindle M14x1.5 180 Nm

Spindle M16x1.5 250 Nm

Attention: The spindles need to be greased with a good lubricant for each application! Do not overload spindles, otherwise the thread lengths and the pitch of the nut and spindle no longer match. The result: The nuts will seize up. Always check the applied force at the drive with a torque wrench!

Maximum permitted torque:

Spindle M10x1.5 60 Nm

Spindle M12x1.5 100 Nm

Spindle M14x1.5 180 Nm

Spindle M16x1.5 250 Nm
Press and pull sleeve kit
• For the assembly and disassembly of boarings
• Ideally for silent bearings, hydro bearings, bushings, ball bearings, simmers rings, etc.
• Universal use for passenger cars, trucks, communal, agricultural and forest vehicles
• Outstanding to use also in connection with workshop press or hollow piston cylinder
• According to use application the sheaths individually can be renewed
• Pressure bearing protects against increased friction during the process
• In durable plastic storage case
Caution: The spindles must be greased before first use! Overloading leads to unwanted material stresses or breakage Always check the power settings on the drive with a torque wrench Not to be combined with other systems
Maximum allowable torque moments:
Spindle (ACME) M16 x P2.5 250 Nm
Spindle (ACME) M14 x P2.0 150 Nm
Maximum allowable torque moments:
Wrench Not to be combined with other systems
Always check the power settings on the drive with a torque
Overloading leads to unwanted material stresses or breakage
Caution: The spindles must be greased before first use!

UNIVERSAL PRESS FRAME SYSTEM PP I

Universal press frame, 5 pcs without hydraulic spindle
• For the use in connection with the pressure and pull sleeve set 700.1700 for pressing out and pressing on of silent bearings, hydro bearings, bushings, etc.
• Enables de- and assembly directly on the vehicle
• Through the long trailing arm also especially high housings release themselves without problem on and pressing out
• Extremely robust spindle with inductively hardened thread
• Special steel

accessories:
700.1751 5 pcs Press and pull sleeve kit 8.30

consists of:
700.1750.30 Pull sleeve internal Ø 44mm, external Ø 54mm 0.71
700.1750.31 Pull sleeve internal Ø 42mm, external Ø 52mm 0.71
700.1750.32 Pull sleeve internal Ø 40mm, external Ø 50mm 0.71
700.1750.33 Pull sleeve internal Ø 38mm, external Ø 48mm 0.71
700.1750.34 Pull sleeve internal Ø 36mm, external Ø 46mm 0.71
700.1750.35 Pull sleeve internal Ø 34mm, external Ø 44mm 0.71

700.1751.14 Connection bar 350 mm for 700.1751 (1 piece) 0.71
700.1751.15 Connection bar 380 mm for 700.1751 (1 piece) 1.30

KS hydraulic PP2 to Sauer, Müller, KS PP1 tools
• For use of the KS Tools hydraulic cylinder PP2 (8.5-22 t) with Sauer-, Müller-, KS PP1 special tools
• Adapter 1.1/2" PP2 to 2.14"-18 UN (Sauer, Müller, KS PP1)
• Special steel

HYDRAULIC SUPPORT UNIVERSAL

Hydraulic hollow piston cylinder set, 12 t with spindle
• For the assembly and disassembly of silent bearings, steering pins, track rod ends, wheel bearings, etc.
• Extremely high and uniform power construction
• Maximum pressure with little effort
• Industrial design with forged piston
• Suitable for both pressurised and tensioned uses
• Special steel

Technical data cylinder
Capacity: 12 t
Connection thread: 3/8" NPT IG
Piston: industrial forged execution
Stroke: 42.0 mm

consists of:
700.1788 2 pcs Hydraulic hollow piston cylinder set, 12 t with spindle 3.40
700.1789 2 pcs Hydraulic hollow piston cylinder, 12 t 1.20
700.1793 Hydraulic pull piston 1.20

HYDRAULIC SUPPORT SYSTEM PP I

Hydraulic pressure spindle for press frame
• Ideal for enlarging the press frame
• Compact shape with extremely high pressure (10 t)
• Extremely high and uniform power construction
• Pre-torsioning and positioning via the outer thread on the cylinder
• For a controlled and safe removal
• The hydraulics are set into motion via a hydraulic pump (3/8" NPT)
• Extremely robust spindle with hardened thread
• Special steel

Technical data cylinder
Capacity: 20 t
Connection thread: 3/8" NPT IG
Piston: industrial forged execution
Stroke: 52.0 mm

consists of:
700.1789 2 pcs Hydraulic hollow piston cylinder set, 20 t with spindle 8.80
Hydraulic hand pump
- Suitable for both pressure and train uses
- Ideal suited for commercial vehicles
- Supplied without manometer and hydraulic tube
- Special steel

Technical data:
Connection thread: 3/8” NPT IG
Dimensions: 410 x 150 x 135

C-frame system PP I

Pneumatic hydraulic pump
- Suitable for impact wrenches
- Through use of trapezoid spindle and impact screw maximum power can be transferred (Hammer impact effect)
- Removable spindle and clamping device with staged reception plate
- Silent bearings, shafts, bushings etc. lets it incorporated itself in that or expanded condition on and compressed
- Trapezoidal threaded spindle Tr. 27 with ball stored pressure tip
- Special steel

Technical data cylinder
Capacity: 8.5 l
Connection thread: Cejn quick coupling
Piston: industrial forged execution
Piston inner thread: M22
Outer thread: 1.1/2"
Stroke: 25.0 mm

C-Clamp and adaptor set, long
- Very robust execution
- Valuable supplement to the pressure set and hub sheath set 700.1700
- The drive can be used alternatively mechanically or hydraulically
- Suitable for impact wrenches
- Through use of trapezoid spindle and Impact screw maximum power can be transferred (Hammer impact effect)
- Removable spindle and clamping device with staged reception plate
- Silent bearings, shafts, bushings etc. lets it incorporated itself in that or expanded condition on and compressed
- Trapezoid thread spindle Tr. 27 with ball stored pressure tip
- Special steel

Technical data:
Connection thread: 3/8” NPT AG

Manometer
- Max. 700 bar
- Special steel

Dimensions: 410 x 150 x 135

Hydraulic hose, 2 m
- Suitable for commercial vehicles

Technical data:
Working pressure max. 700 bar
Output per stroke: 0.8 l/min up to 700 bar

C-Clamp reception adapter
- Suitable for impact wrenches
- Through use of trapezoid spindle and Impact screw maximum power can be transferred (Hammer impact effect)
- Removable spindle and clamping device with staged reception plate
- Silent bearings, shafts, bushings etc. lets it incorporated itself in that or expanded condition on and compressed
- Trapezoidal threaded spindle Tr. 27 with ball stored pressure tip
- Special steel

C-frame system PP I
Pressure and pull hydraulic cylinder set, 16t

- For the assembly and disassembly of silent bearings, steering pins, track rod ends, wheel bearings, etc.
- Suitable for both pressurised and tensioned uses
- With impact body for screwing in
- Extremely high and uniform power construction
- Universal usage with reduction M10-M22
- Special steel

Technical data cylinder

- Capacity: 16 t
- Connection thread: Cejn quick coupling
- Piston: Industrial forged execution
- Piston-inner thread: M22
- Outer thread: 1.1/2”
- Stroke: 67.0 mm

Pressure and pull hydraulic cylinder set

- Optimal for universal use in car garages
- Suitable for both pressurised and tensioned uses
- Extremely high and uniform power construction
- Industrial design 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
- Special steel

Pull rod, collar nut, adapter set

- Universal usage
- Extremely robust spindle with inductive hardened thread (M10-M22)
- Optimal use with trucks, transporters and commercial vehicle tools with corresponding reduction
- Ideally suited to hydraulic cylinders 440.0005, 440.0010 and 440.0020
- Special steel

Caution: These spindles must be greased before fitting use!

Hydraulic foot pump set

- For simple actuation press cylinder
- Safety valve for prevention against too much force
- With automatic return
- Includes hydraulic hose with quick coupling

Pull rod, collar nut, adapter set

- Universal usage
- • Extremely robust spindle with inductive hardened thread (M10-M22)
- • Optimal use with trucks, transporters and commercial vehicle tools with corresponding reduction
- • Ideally suited to hydraulic cylinders 440.0005, 440.0010 and 440.0020
- • Special steel

Caution: The spindles must be greased before fitting use!
Pneumatic hydraulic pump set

• Pneumatic operation
• For simple acting press cylinder
• Safety valve for prevention against too much force
• With automatic return
• Includes hydraulic hose with quick coupling

Technical data:
Connection thread: Cejn quick coupling
Volume: 1,4 l
Operating pressure: 700 bar
Tube length: 2200 mm

440.0055 3 pcs Pneumatic hydraulic pump set 6.32

440.0056 Pneumatic hydraulic pump 5220
440.0057 Hydraulic hose, 2200 mm 900
440.0058 Cejn quick coupling 200

Manometer

• With Cejn quick coupling for direct coupling to all KS Tools hydraulic pumps
• With easy-to-read scale in psi and bar
Caution: The maximum pressure values for the hydraulic cylinder and given in the appropriate operator’s manual

440.0180 9 pcs Universal press stand 5.62

440.0176 1 Upper traverse with internal thread 1.1/2” 2040
440.0178 2 Connecting struts 440
440.0179 4 Screw M16 x 40 mm 80
440.0184 4 Insert ring 340
440.0185 1 Lower traverse with open side 2040

PRESS STAND SYSTEM PP II

Universal press stand

• With open stand plate and adapter ring set
• Ideal for replacing ball joints and rear-axle bushes
• Can be used directly on the vehicle
• Adjustable with ball joint press sleeves from KS Tools
• For use with hydraulic cylinder
• Secure and easy to use

Recommended hydraulic cylinder: 14 t (440.0015), 16 t (440.0005), 22 t (440.0010)
SILENT BEARING TOOL SYSTEM PP II

Silent bearing tool set for BMW rear axles

- For the assembly and disassembly of the rear axle silent bearings
- Ideal for secure bearings
- Secure and easy to use
- For use with hydraulic cylinder
- Special steel

Recommended hydraulic cylinder: 16 l (440.0005), 22 l (440.0010)

Application range: BMW E60-65 (5 series, 6 series, 7 series), E81-E88 (1 series), E90 (3 series)

Silent bearing tool set for BMW X5 rear axles

- For the assembly and disassembly of the rear axle silent bearings
- Ideal for secure bearings
- Simple and safe manual operation
- For use with hydraulic cylinder
- Special steel

Recommended hydraulic cylinder: 16 l (440.0005), 22 l (440.0010)

Application range: BMW X5 (E53)

Silent bearing tool set for Ford / Volvo

- For the assembly and disassembly of the rear axle silent bearings
- Ideal for secure bearings
- Required for correct installation
- Secure and easy to use
- For use with hydraulic cylinder
- Special steel

Recommended hydraulic cylinder: 14 l (440.0015), 16 l (440.0005), 22 l (440.0010)

Application range: Ford Mondeo, S-Max, Galaxy >2007, Volvo S60, S80, V60, V70, XC60, XC70 >2007

Wishbone bush set for Ford Transit, front

- For the assembly and disassembly of the rear wishbone bushes on the front wishbone
- Correct installation and removal directly on the vehicle
- Ideal for use on secure bearing bushes
- For use with hydraulic cylinder
- Secure and easy to use
- Special steel

Recommended hydraulic cylinder: 16 l (440.0005), 22 l (440.0010)

Application range: Ford Transit > 2000

Wishbone bush set, read for Ford Mazda/Volvo

- For assembly and disassembly of the rear axle bushes
- For use with the universal press stand (440.0180)
- Ideal for use directly on the vehicle
- Simple handling
- Saves a lot of time
- Special steel


Silent bearing tool set for Hyundai rear axles

- For the assembly and disassembly of the rear axle silent bearings
- Ideal for replacing all four bushes on the rear axle
- Work directly on the vehicle
- For use with hydraulic cylinder
- Secure and easy to use
- Special steel

Recommended hydraulic cylinder: 16 l (440.0005), 22 l (440.0010)

Application range: Hyundai Santa Fe 2006-2012

Silent bearing tool set for Hyundai rear axles

- For the assembly and disassembly of the rear axle silent bearings
- Ideal for secure bearings
- Required for correct installation
- Secure and easy to use
- For use with hydraulic cylinder
- Special steel

Recommended hydraulic cylinder: 16 l (440.0005), 22 l (440.0010)

Application range: Hyundai Santa Fe 2006-2012

Silent bearing tool set for Hyundai rear axles

- For the assembly and disassembly of the rear axle silent bearings
- Ideal for secure bearings
- Required for correct installation
- Secure and easy to use
- For use with hydraulic cylinder
- Special steel

Recommended hydraulic cylinder: 16 l (440.0005), 22 l (440.0010)

Application range: Hyundai Santa Fe 2006-2012
### Steering bushes set for Mercedes, rear

- For the assembly and disassembly of the rear, lower bushes in the axle body
- Correct assembly and disassembly directly on the vehicle
- For use with hydraulic cylinder
- Secure and easy to use
- Special steel

**Application range:** Mercedes C, E and S class

**Recommended hydraulic cylinder:** 16 t (440.0005), 22 t (440.0010)

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<tr>
<th>Part Number</th>
<th>Description</th>
<th>Units</th>
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<td>440.0232</td>
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<tr>
<td>440.0233</td>
<td>Assembly pipe</td>
<td>500</td>
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</table>

### Rear axle bushes set for Renault

- Ideal for the assembly and disassembly of rear axle bushes
- For use with the universal press stand (440.0180)
- Can be used directly on the vehicle
- Simple handling
- Saves a lot of time
- Special steel

**Application range:** Renault Laguna 2

**Recommended hydraulic cylinder:** 16 t (440.0010), 22 t (440.0010)

<table>
<thead>
<tr>
<th>Part Number</th>
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<tr>
<td>440.0239</td>
<td>7 pcs Rear axle bushes set for Renault</td>
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</table>

### Double silent bearing set, VAG

- For the assembly and disassembly of the double silent bearings on VAG
- Correct installation and removal directly on the vehicle
- Secure and easy to use
- For use with hydraulic cylinder
- Special steel

**Recommended hydraulic cylinder:** 16 t (440.0005) and 22 t (440.0010)


<table>
<thead>
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<th>Part Number</th>
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</thead>
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<tr>
<td>440.0459</td>
<td>Double silent bearing set, VAG</td>
<td>1.44</td>
</tr>
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</table>

### Silent bearing set for Volkswagen/Audi/Seat/Škoda

- For the assembly and disassembly of the rear, lower bushes in the double wishbone
- Robust spindle with inductive hardened thread
- Ideal for manual use
- Secure and easy to use
- Special steel


<table>
<thead>
<tr>
<th>Part Number</th>
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</tr>
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<tbody>
<tr>
<td>440.0230</td>
<td>7 pcs Silent bearing set for Volkswagen/Audi/Seat/Škoda</td>
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</table>

### Universal press tool set

- For the assembly and disassembly of bearings, bushes and ball joints
- Adapter and pressure crank allow for use with the universal press stand (440.0180)
- 24 press sleeves in different sizes
- 61 various internal and external diameters between 30.5 mm and 79.7 mm
- Universal usage for passenger cars and transporters
- Excellent usage also with work bench press
- Special steel

**Application range:** Audi A3, Volkswagen Golf 4, Seat Ibiza, Škoda Fabia

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>440.0390</td>
<td>26 pcs Universal press tool set</td>
<td>9.47</td>
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</tbody>
</table>
Universal press tool expansion set
- Ideal sleeve assortment for expanding the press tool set (440.0300)
- For use with the universal press stand (440.0180)
- For use on passenger cars and transporters
- 11 press rings in different sizes
- Excellent usage also with work bench press
- Optional for bushes, bearings and ball joints
- Special steel

Silent bearing tool set for BMW rear axles
- For assembly and disassembly of the lower silent bearings on the rear axle
- No removal of the wheel mounts
- With pre-tensioning tool suitable for silt silent bearings
- For damage-free installation
- Special steel

Application range: BMW E81/E82/E87/E88 and BMW E90/E91/E90/E93 silent bearings on the rear axle

Silent bearing tool set for Land Rover wishbone
- For assembly and disassembly of silent bearings both on and off the vehicle
- Minimizes the normally necessary disassembly work hugely
- Removes the complete removal of the wishbone
- Saves a lot of time
- Special steel

Application range: Land Rover Discovery 3 and Range Rover Sport

Silent bearing tool set for Ford and Volvo rear wheel mounting
- For assembly and disassembly of silent bearings both on and off the vehicle
- Removes the necessity to remove the brake pipes and securing plate
- Saves a lot of time
- Special steel


Caution: The spindles must be greased before fit it is used!
Overloading leads to unwanted material stresses or breakage
Always check the power settings on the drive with a torque wrench
Silent bearing tool set for Land Rover rear axle

- For assembly and disassembly of silent bearings both on and off the vehicle
- For the upper silent bearings on the rear wheel mounting
- Saves a lot of time
- Special steel

Application range: Land Rover Discovery 3, Land Rover Discovery 4, Range Rover Sport and Land Rover L322

Caution: The spindles must be greased before first use!

Overloading leads to unwanted material stresses or breakage

Silent bearing tool set for Mitsubishi Lancer wishbone

- For assembly and disassembly of silent bearings both on and off the vehicle
- Removes work on ball joints
- Saves a lot of time
- Special steel

Application range: Mitsubishi Lancer EVO 4/5/6 from 1996-2001

Caution: The spindles must be greased before first use!

Overloading leads to unwanted material stresses or breakage

Silent bearing tool set for Audi and Volkswagen front axles

- For assembly and disassembly of silent bearings both on and off the vehicle
- Simplifies removal of the help frame and the silent bearings with heightened external ring of the silent bearing must be cut
- Once the external ring has been cut the rest of the silent bearing can be pressed in with 700.2180
- Removes removal of the help frame
- Saves a lot of time since the replacement is carried out built in
- Special steel

Application range: Renault Trafi , Nissan Primaster, Opel Vivaro 2001 – 2013

Caution: The spindles must be greased before first use!

Overloading leads to unwanted material stresses or breakage

Silent bearing tool set for Audi A2, A3, Volkswagen Golf 4

- For the assembly and disassembly of silent bearings, hydro and plastic bearings
- Can be used directly on the vehicle
- Saves a lot of time
- For use with the universal press frame 700.1751 and spindle
- Special steel

Application range: Audi A2, A3, Volkswagen Golf 4
Silent bearing tool set for VAG Front axle consoles

- With this tool the plastic silent bearing of the front axle can be correctly and quickly dismantled and mounted.
- By means of the specially pressure piece the plastic housing is safely accepted by what means a damage-free assembly is enabled.
- With this the tool can incorporate the condition and can the costly correction of the axle alignment and the dismantling of often strongly console-reinforcements-screws that can be corroded
- Simple handling
- Enables use directly on the vehicle
- High time savings
- Adapter with protective axle-pressure thrust bearing – spindle
- Axle alignment can be omitted
- In durable plastic storage case

Application range: Volkswagen Polo (9N), Altea, Škoda Fabia, Roomster, Audi A2 + structurally identical group vehicles

Silent bearing tool set for VAG rear axles

- For assembly and disassembly of the rubber meta or rubber plastic bearings on the rear axle
- For use alongside mechanical spindle
- For secure bearings a hollow piston cylinder may also be used
- Special steel
- In durable plastic storage case

Application range: Audi A3, Volkswagen Golf 4, Škoda Octavia >1997, Seat Leon; Toledo >2001

Caution: The spindles must be greased before first use! Overloading leads to unwanted material stress or breakage

Always check the power settings on the drive with a torque wrench

Drive spindle

- Pressure bearing protects against increased friction during the process
- Spindle M12 x 1.5
- Double sided press bearing for quick installation and removal of bushes
- Includes press nut and nuts
- Chrome molybdenum

Caution: The spindles must be greased before first use! Overloading leads to unwanted material stress or breakage

Always check the power settings on the drive with a torque wrench

Silent bearing tool set for VAG rear axles

- For assembly and disassembly of the rubber meta or rubber plastic bearings on the rear axle
- For use alongside mechanical spindle
- For secure bearings a hollow piston cylinder may also be used
- Special steel
- In durable plastic storage case


Caution: The spindles must be greased before first use!
Overloading leads to unwanted material stress or breakage

Always check the power settings on the drive with a torque wrench
CAMBER ADJUSTMENT TOOLS

Camber level
- Ideally suited to adopting the prescribed camber adjustment values before removing the shock absorbers
- The level is secured with the magnetic side on the brake discs or wheel hubs and the value can be read
- Following the repair the adjustment value is easily restored
- Quick and correct work without a great amount of effort
- Saves measuring the axle
- With adjustment wheel to allow for a zero setting
- Includes strong magnetic feet
- In durable plastic storage case

Camber adjustment tool
- Ideally suited to setting the camber on vehicles with separated spring feet
- One-man operation
  - The tool is tensioned between the rim and the bodywork (wings)
  - Clear reduction in time required
  - Adjustment is carried out by turning the sturdy hexagonal nut
  - External drive hexagonal socket 22.0 mm
  - Special steel

Application range: Seat Cordoba, Volkswagen Polo > 1995, etc.

BMW camber setting tool set
- Ideally suited to setting the camber on the front axle
  - It is used after knocking out the locating bolt of the strut bearing in a downwards direction via the spring strut bearing
  - Quick and correct work without a great amount of effort
  - One-man operation
  - The adjustment process is carried out via the exact alignment of the upper spring strut bearing
  - Without this tool the correct and exact adjustment of the camber is almost impossible
  - Aluminium

Application range: BMW 1 series (E81, E82, E87, E88), 3 series (E46, E90, E91, E92, E93), 5 series, (E39, E60, E61), 6 series (E63, E64), 7 series (E38, E65, E66, E67), X3 (E83), X5 (E53), Z4 (E85, E86)

Camber setting tool for BMW
- Ideally suited to setting the camber on the front axle
  - It is used after knocking out the locating bolt of the strut bearing in a downwards direction via the spring strut bearing
  - Quick and correct work without a great amount of effort
  - One-man operation
  - The adjustment process is carried out via the exact alignment of the upper spring strut bearing
  - Without this tool the correct and exact adjustment of the camber is almost impossible
  - Aluminium

Application range: BMW 1 series (E81, E82, E87, E88), 3 series (E46, E90, E91, E92, E93), 5 series, (E39, E60, E61), 6 series (E63, E64), 7 series (E38, E65, E66, E67), X3 (E83), X5 (E53), Z4 (E85, E86)

Axis tracking adjustment tool for VAG passenger cars with 4 wheel drive
- Ideally suited to tracking adjustments to the rear axle
- Suitable for the hard-to-reach adjustment screws
  - Quick and correct work without a great amount of effort
  - One-man operation
  - 90° angled
  - With 2 component handle
  - Matt finish
  - Chrome vanadium

Application range: all Audi and Volkswagen vehicles with all wheel drive, e.g. Audi A4 Quattro, Volkswagen Passat 4motion, etc.
Tracking adjustment tool for Mercedes

- Ideally suited to tracking adjustments to the rear axle
- Suitable for the hard-to-reach adjustment screws
- Quick and correct work without a great amount of effort
- One-man operation
- Twice angling
- Without this tool the correct and exact adjustment of the track- ing is almost impossible
- Includes interchangeable spline bits
- With 2 component handle
- Matt finish
- Chrom vanadium

Application range: Mercedes W211, Mercedes C219 and Mercedes W209

Pry bar

- Ideally suited to assembly and disassembly work
- For pressure testing securely-fitted parts
- Suitable for positioning parts or holding parts in place
- 1 piece handle
- Hardened
- Chrome molybdenum

Tracking adjustment cam nut for BMW

- Ideal for adjusting the tracking on the rear axle as well as camber adjustment on the wishbone
- For adjustment the screws must be removed from the lower wishbone
- By putting in and turning the cam nut on the securing screw the wishbone is moved to the required camber adjustment
- Internal square drive to DIN 3120/ISO 1174
- Special steel

Application range: BMW E36, BMW E46, BMW E85, BMW E88

Pry bar sets

- Ideally suited to assembly and disassembly work
- For pressure testing securely-fitted parts
- Suitable for positioning parts or holding parts in place
- 1 piece handle
- Hardened
- Chrome molybdenum

<table>
<thead>
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</table>
### Universal axle lever

- Extremely versatile and robust execution
- Maximum power transmission in the narrowest area
- Ideally suited for commercial vehicles
- Special steel

<table>
<thead>
<tr>
<th>L (mm)</th>
<th>Tapped (mm)</th>
<th>Price (€)</th>
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</tr>
<tr>
<td>600</td>
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</table>

### Adjustable joint roll head pry bar set

- Extremely versatile and robust execution
- Variable adjustable roll head
- Maximum power transmission in the narrowest area
- Ideally suited for commercial vehicles
- Special steel

<table>
<thead>
<tr>
<th>L (mm)</th>
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<tr>
<td>300</td>
<td>15</td>
<td>911.8189</td>
</tr>
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</table>

### Roller head telescopic pry bar

- Handle can be lengthened by the push button in ratchet steps
- Rolling head adjustable in stages
- Extra thin with embedded rolling head
- Optimal leverage in minimal work area
- Ideally suited to assembly and disassembly work
- Suitable for testing securely-fitted parts
- Suitable for the testing of defective bearings
- Ideal for use in passenger cars and commercial vehicles
- Special steel

<table>
<thead>
<tr>
<th>L (mm)</th>
<th>Tapped (mm)</th>
<th>Price (€)</th>
</tr>
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<tbody>
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<tr>
<td>850</td>
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</table>

### Ratchet Pry Bar

- Special lever for the correct and protective dismantling and assembly of axle parts
- Through multiple adjustability of the breadth most different designs it lets itself move without large power expense required
- Protective and certain installation and extension
- The injury risk minimizes
- No second person required
- Universal application by revolving and adjustable claw
- High power, firm s at and time savings also
- Stable construction - optimal stop
- Special steel

### AXLE PLAY TEST TOOL

**Axle play detector bar**

- For localising sources of faults in the vehicle axle area
- Testing under load
- Large time savings during fault diagnostics
- Suitable for all passenger cars up to 3.5 t
- Special steel

**Application range:**
- Dome bearings / silent bearings / carrier joint / track rod end / coupling rod / wheel bearings / axial joint / steering gear / stabiliser, etc.

### Electronic professional stethoscope

- For the professional defect diagnosis
- Serves the acoustic test and judgment of a component under load
- Delivers fast, absolutely clear and unambiguous test results over sounds
- Contains 6 independent sensors that can mounted for example on the vehicle floor or in the engine compartment for ease
- Simple coordination of the defect source through colour-coded cable and colour table on the box
- In durable plastic storage case

**Application range:**
- Engine: Valves, bearings, piston pins
- Alternator: Bearing sounds
- Differential: Barrel sounds
- Bodywork: Creak and squeak sounds

### SOCKET SET FOR CHASSIS BOLTING

**Impact bit socket for spline (XZN®) screws**

- Spline (XZN®)
- Internal square drive to DIN 3121 / ISO 1174
- Short execution
- For machinery usage
- Phosphate finish
- Chrome molybdenum

<table>
<thead>
<tr>
<th>Drive</th>
<th>Length</th>
<th>Head / Socket</th>
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<td>M18</td>
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</tbody>
</table>
**Impact bit socket for splines (XZN®) screws**

- Spline (XZN®)
- Internal square drive to DIN 3121 / ISO 1174
- Long execution
- For machinery usage
- Phosphate finish
- Chrome molybdenum

**Impact bit socket set**

- TX and Spline
- Internal square drive to DIN 3121 / ISO 1174
- Short execution
- For machinery usage
- Matt finish
- Chrome molybdenum
- In durable steel storage case

**Vibro-Power ball joint releaser**

- Vibration supported release on ball joints
- Adjustable, e.g. conical seat connections to wheel bearing houses and wishbones
- Pneumatic chisel adapter (10 mm) for use with pneumatic chisel hammers on the market
- Special steel

Caution: May only be used alongside a pneumatic chisel hammer

**Universal bearing and bush driver set**

- Universal applicable range
- Can be used manually with a hammer or workshop press
- Applications from 18.0 - 65.0 mm
- Pressure plates are for the two driving spindles
- Special steel
- In durable plastic storage case

---

**Impact bit socket set for splines (XZN®) screws, long**

- Ideal set compilation for motor vehicles
- Spline (XZN®)
- Internal square drive to DIN 3121 / ISO 1174
- Long execution
- For machinery usage
- Phosphate finish
- Chrome molybdenum

**Impact bit socket set 2.20**

<table>
<thead>
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<th>Description</th>
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<tbody>
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<td>Impact bit socket set 2.20</td>
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</table>

**Vibro impact pneumatic chisel hammer set**

- With non slip soft grip handle
- Air exhaust through the handle
- Ergonomic designed handle
- Ideal for industry
- Efficient, gentle loosening of screw fittings
- With stepless impact regulation
- Vibration dampened
- Cold insulated handle
- Includes 1/4” coupling connector
- Ultra light housing from two component plastic

**Vibro impact pneumatic chisel hammer set 5.70**

<table>
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<th>Description</th>
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**Universal bearing and bush driver set 8.00**

<table>
<thead>
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<th>Description</th>
<th>Code</th>
<th>Price</th>
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<tbody>
<tr>
<td>Universal bearing and bush driver set 8.00</td>
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<td>51 pcs</td>
</tr>
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</table>
**PRESS UNDERLAYS**

**Universal press support**
- Universal adjustable support
- Through the height adjustable bolts a fix uns and vibration
- safe 3 level points construction is created
- The amount and arrangement at thread enable the conformity
to almost every component surface
- Includes lateral safety device

**Universal prism plate Ø 40.0/63.0/75.0/80.0 mm**
- Universally usable plates
- For the pressing on and off of bearing on rear axles, engines and transmissions
- Special steel

**Prism plate Ø 62.0 mm**
- Universally usable plates
- For pressing on and off bearings or cogs on bearing shafts, e.g. on engines, transmissions, etc.
- In connection with workshop presses
- Special steel

**Prism plate extra narrow, Ø 30.0/45.0 mm**
- Universally usable plates
- Especially suitable for tight spaces (up to 4 mm)
- For pressing on and off bearings or cogs on bearing shafts, e.g. on engines, transmissions, etc.
- Special steel

**Prism plate Ø 72.0 mm**
- Universally usable plates
- For pressing on and off bearings or cogs on bearing shafts, e.g. on engines, transmissions, etc.
- In connection with workshop presses
- Special steel

---

**EXTRACTOR**

Brass and aluminium punch
- For extracting bearing, bolts and bushes, etc.
- Rimef handle for better control
- Brass / Aluminium