Innovation is our mission!
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<td>Pneumatic Adapters &amp; Couplings</td>
<td>505-506</td>
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PNEUMATIC TOOLS

Advantages

Extremely versatile
- For hard to reach places
- Particularly low air consumption
- Low vibration
- Long service life
- Easy operation
- Supplied incl. coupling connector

Extremely strong
- Particularly low air consumption
- Low vibration
- Cold insulated handle
- Long service life
- Easy operation
- Supplied incl. coupling connector

Composition

Cold insulation handle
Adjusting screw for air supply
adjusts speed and performance

Compressed air connection
with rotating exhaust

Safety operation lever with
locking device

Our pneumatic tools correspond to the
demands of the following standards:

Standards 2006/42/EC
EN ISO 12100-1+A1:2009
Striking mechanisms

Single hammer striking mechanisms

• Traditional approved construction
• Grease lubrication

Pin clutch

• Reliable construction
• Low vibration
• Fast torque progression
• Oil lubrication

Twin hammer striking mechanisms / cluch

• Excellent power to weight ratio
• Low sensitivity to air pressure fluctuations
• Constant impact with continuous torque progression
• Suitable for heavy and light duty
• Grease lubrication
• Industrial striking mechanisms e.g. 515.1215

Pneumatic profile

Reversing ratchets
Drilling machines
Spot weld drilling machines
Grinding tools

Burnishing tools
Erasing machines
Needle scaler
Pneumatic-nibbler

Impact wrenches
Blind rivet gun
Oscillating cutter
Grease guns

Wheel filling gauge
Combination spray guns
Compressed air guns
Sawing
**SlimPOWER mini-pneumatic-reversing ratchet**

- Square drive adaptor to DIN 3120 / ISO 1174 with ball lock
- Air exhaust through the handle rear end
- With ratchet head reversing lever (clockwise and anticlockwise)
- Easy operation
- Triple teeth
- With stepless speed regulation
- Vibration dampened
- Includes 1/4" coupling connector
- Robust housing

---

**Technical data:**

- **Square drive:** 3/8"
- **Max. tightening torque:** 34 Nm
- **Max. loosening torque:** 34 Nm
- **No load current:** 420 r.p.m.
- **Vibration:** < 2.3 m/s²
- **Noise performance level:** 92 dBA
- **Min. tube diameter:** 1/4" - 4.8 mm
- **Connection thread:** 1/4"PT

---

**SlimPOWER mini-pneumatic-reversing ratchet**

- Square drive adaptor to DIN 3120 / ISO 1174 with ball lock
- Air exhaust through the handle rear end
- With ratchet head reversing lever (clockwise and anticlockwise)
- Easy operation
- Triple teeth
- With stepless speed regulation
- Vibration dampened
- Includes 1/4" coupling connector
- Robust housing

---

**Technical data:**

- **Square drive:** 1/2"
- **Max. tightening torque:** 68 Nm
- **Max. loosening torque:** 68 Nm
- **No load current:** 175 r.p.m.
- **Vibration:** < 1.0 m/s²
- **Noise performance level:** 97 dBA
- **Min. tube diameter:** 3/8" - 10 mm
- **Connection thread:** 1/4"PT

---

**Mini pneumatic reversing ratchet**

- Square drive adaptor to DIN 3120 / ISO 1174 with ball lock
- Air exhaust through the handle rear end
- With ratchet head reversing lever (clockwise and anticlockwise)
- Easy operation
- Triple teeth
- With stepless speed regulation
- Number of revolutions adjustable through regulating screw
- Vibration dampened
- Cold insulated handle
- Includes 1/4" coupling connector
- Ultra light robust housing special plastic

---

**Technical data:**

- **Square drive:** 1/4"
- **Max. tightening torque:** 40.6 Nm
- **Max. loosening torque:** 40.6 Nm
- **No load current:** 250 r.p.m.
- **Vibration:** < 4.4 m/s²
- **Noise performance level:** 97 dBA
- **Min. tube diameter:** 1/4" - 6.35 mm
- **Connection thread:** 1/4"PT

---

**Pneumatic reversing ratchet**

- Square drive adaptor to DIN 3120 / ISO 1174 with ball lock
- Air exhaust through the handle rear end
- With ratchet head reversing lever (clockwise and anticlockwise)
- Easy operation
- Triple teeth
- With stepless speed regulation
- Number of revolutions adjustable through regulating screw
- Vibration dampened
- Cold insulated handle
- Includes 1/4" coupling connector
- Ultra light robust housing special plastic

---

**Technical data:**

- **Square drive:** 3/8"
- **Max. tightening torque:** 68 Nm
- **Max. loosening torque:** 68 Nm
- **No load current:** 160 r.p.m.
- **Vibration:** < 1.0 m/s²
- **Noise performance level:** 97 dBA
- **Min. tube diameter:** 3/8" - 10 mm
- **Connection thread:** 1/4"PT

---

**Technical data:**

- **Square drive:** 1/2"
- **Max. tightening torque:** 68 Nm
- **Max. loosening torque:** 68 Nm
- **No load current:** 175 r.p.m.
- **Vibration:** < 1.0 m/s²
- **Noise performance level:** 97 dBA
- **Min. tube diameter:** 3/8" - 10 mm
- **Connection thread:** 1/4"PT

---
DIE & ANGLE DRILLING MACHINES

**SlimPOWER Pneumatic straight drill**
- Straight design
- Air exhaust through the handle rear end
- For one handed operation with ergonomic design
- Not reversible
- With quick release chuck capacity 1 - 6.5 mm
- For hard to reach places
- Ideally suited for car bodywork and industrial working
- With stepless speed regulation
- Vibration damped through double bearing guides
- Includes 1/4" coupling connector
- Robust housing

**Technical data:**
- Chuck capacity: 1 - 6.5 mm
- Chuck thread reception: 3/8" x 24 UNF
- Capacity: 190 Watt
- No load current: 6000 p.m.
- Vibration: < 0.7 m/s²
- Noise performance level: 95 dBA
- Noise pressure level: 80 dBA
- Air consumption: 240.65 l/min
- Min. tube diameter: 1/4" - 4.8 mm
- Operating pressure: max. 5.5 bar (80 psi)
- Connection thread: 1/4"NPT

**Pneumatic straight drill**
- Straight design
- Air exhaust through the handle rear end
- For one handed operation with ergonomic design
- Not reversible
- With quick release chuck capacity 0 - 10 mm
- For hard to reach places
- Ideally suited for car bodywork and industrial working
- With stepless speed regulation
- Vibration damped through double bearing guides
- Cold insulated handle
- Includes 1/4" coupling connector
- Ultra light robust housing from special plastic

**Technical data:**
- Chuck capacity: 1 - 10 mm
- Chuck thread reception: 3/8" x 24 UNF
- Capacity: 330 Watt
- No load current: 4500 p.m.
- Vibration: < 0.7 m/s²
- Noise performance level: 95 dBA
- Noise pressure level: 83 dBA
- Air consumption: 240.62 l/min
- Min. tube diameter: 1/4" - 2.4 mm
- Operating pressure: max. 4.3 bar (90 psi)
- Connection thread: 1/4"NPT

**SlimPOWER Pneumatic angle drill**
- Angled version
- Air exhaust through the handle rear end
- For one handed operation with ergonomic design
- Not reversible
- With gear rim drill chuck width 1 - 6.5 mm
- For hard to reach places
- Ideally suited for car body work
- With stepless speed regulation
- Vibration damped through double bearing guides
- Includes 1/4" coupling connector
- Robust housing

**Technical data:**
- Chuck capacity: 1 - 6.5 mm
- Chuck thread reception: 3/8" x 24 UNF
- Capacity: 230 Watt
- No load current: 4500 p.m.
- Vibration: < 0.7 m/s²
- Noise performance level: 95 dBA
- Noise pressure level: 83 dBA
- Air consumption: 240.62 l/min
- Min. tube diameter: 1/4" - 2.4 mm
- Operating pressure: max. 4.3 bar (90 psi)
- Connection thread: 1/4"NPT

**Pneumatic angle drill**
- Angled version
- With planetary gearing
- Air exhaust through the handle rear end
- For one handed operation with ergonomic design
- Not reversible
- With gear rim drill chuck width 0 - 10 mm
- For hard to reach places
- Ideally suited for car body work
- With stepless speed regulation
- Number of revolutions adjustable through regulating screw
- Vibration damped through double bearing guides
- Cold insulated handle
- Includes 1/4" coupling connector
- Ultra light robust housing from special plastic

**Technical data:**
- Chuck capacity: 1 - 10 mm
- Chuck thread reception: 3/8" x 24 UNF
- Capacity: 330 Watt
- No load current: 1800 p.m.
- Vibration: < 0.15 m/s²
- Noise performance level: 95 dBA
- Noise pressure level: 87 dBA
- Air consumption: 85 l/min
- Min. tube diameter: 3/8" - 10 mm
- Operating pressure: 6,3 bar (90 psi)
- Connection thread: 1/4"NPT

**Pneumatic pistol grip drill**
- Very handy and compact construction
- With non-slip soft grip handle
- Air exhaust through the handle
- For one handed operation with ergonomic design
- With quick release chuck capacity 0 - 10 mm
- With practical clockwise and anticlockwise switch
- Suitable for continuous duty
- For working in hard to access areas
- Ideally suited for car bodywork and industrial working
- With stepless speed regulation
- Vibration damped
- Cold insulated handle
- Includes 1/4" coupling connector
- Ultra light robust housing from special plastic

**Technical data:**
- Chuck capacity: 1.5 - 13 mm
- Chuck thread reception: 3/8" x 24 UNF
- Capacity: 230 Watt
- No load current: 4500 p.m.
- Vibration: < 0.15 m/s²
- Noise performance level: 95 dBA
- Noise pressure level: 87 dBA
- Air consumption: 113 l/min
- Min. tube diameter: 3/8" - 10 mm
- Operating pressure: max. 6.3 bar (90 psi)
- Connection thread: 1/4"NPT

---

**Technical data table:**

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**Technical data table:**

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<td>SlimPOWER</td>
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<td>1.15</td>
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<tr>
<td>Pneumatic</td>
<td>230.0</td>
<td>43.0</td>
<td>1.60</td>
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**Technical data table:**

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<td>1</td>
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</table>
SPOT WELD DRILLING MACHINES

Pneumatic spot weld drill

• Air exhaust through the handle
• Easy operation
• Suitable for continuous duty
• Ideally suited for internal and external spot welds
• For spot welds drills
• Very substantial guide
• With adjustable milling machine depth ring in steps of 0.05 mm
• With revolving and removable frame on the fixation on the object
• With large frame for deep lying points
• Fixed achievement through pneumatic cylinder
• With stepless speed regulation
• Includes 1/4" coupling connector
• Robust machined housing

Technical data:

Drive: Ø 8 mm with set screw
Capacity: 500 W/110 V
No load current: 1000 rpm
Vibration: < 0.3 m/s²
Noise performance level: 90 dB
Noise pressure level: 81 dB
Air consumption: 280 l/min
Operation pressure: max. 6.3 bar (90 psi)
Min. tube diameter: 3/8" - 10 mm
Connection thread: 1/4" IG

accessories:

515.1207 Counter bracket, small for 515.1201: 300
515.1208 Counter bracket, large for 515.1201: 500

Pneumatic spot weld drill set

• Air exhaust through the handle
• Easy operation
• Suitable for continuous duty
• Ideally suited for internal and external spot welds
• For spot welds drills
• Very substantial guide
• Adjustable milling machine depth ring in steps of 0.05 mm
• Revolving and removable frame on the fixation on the object
• Large frame for deep lying points
• Fixed achievement through pneumatic cylinder
• Stepless speed regulation
• Includes 1/4" coupling connector
• Robust machined housing
• In durable plastic case

Technical data:

Drive: Ø 8 mm with set screw
Capacity: 500 W/110 V
No load current: 1000 rpm
Vibration: < 0.3 m/s²
Noise performance level: 90 dB
Noise pressure level: 81 dB
Air consumption: 280 l/min
Operation pressure: max. 6.3 bar (90 psi)
Min. tube diameter: 3/8" - 10 mm
Connection thread: 1/4" IG

Fastdrill pneumatic spot weld drill set

• Special gearbox for high torque
• With non-slip soft grip handle
• Air exhaust through the handle
• Suitable for continuous duty
• Ideally suited for internal and external spot welds
• For carbide spot weld drills
• Very substantial guide
• With revolving and removable frame on the fixation on the object
• Fixed achievement through pneumatic cylinder
• With stepless speed regulation
• Includes 1/4" coupling connector
• Robust machined housing

Technical data:

Drive in mm: 8 mm
Capacity: 280 W/110 V
No load current: 1000 rpm
Vibration: < 0.233 m/s²
Noise performance level: 94.6 dB
Noise pressure level: 62.4 dB
Air consumption: 340 l/min
Operating pressure: 6 bar
Min. tube diameter: 3/8" - 10 mm
Connection thread: 1/4" IG

accessories:

515.1311 Bracket, small, for Fastdrill: 510
515.1312 Bracket, big, for Fastdrill: 500

Fastdrill pneumatic spot weld drill

• Special drive for high torque
• With non-slip soft grip handle
• Air exhaust through the handle
• Suitable for continuous duty
• Ideally suited for internal and external spot welds
• For carbide spot weld drills
• Very substantial guide
• With revolving and removable frame on the fixation on the object
• Fixed achievement through pneumatic cylinder
• With stepless speed regulation
• Includes 1/4" coupling connector
• Robust machined housing

Technical data:

Drive in mm: 8 mm
Capacity: 280 W/110 V
No load current: 1000 rpm
Vibration: < 0.233 m/s²
Noise performance level: 94.6 dB
Noise pressure level: 62.4 dB
Air consumption: 340 l/min
Operating pressure: 6 bar
Min. tube diameter: 3/8" - 10 mm
Connection thread: 1/4" IG

PIN & DIE GRINDERS

Pneumatic pencil grinder, 70.000 rpm

• Straight design
• Air exhaust through the used air tube
• Ideal for carbide, corundum and tungsten carbide burn
• For working in hard to access areas
• Very handy and compact construction
• Suitable for different repair works
• With stepless speed regulation
• Vibration dampened
• Cold insulated handle
• Includes 1/4" coupling connector and chuck wrencher
• Aluminium housing

Technical data:

Tube length: 1 m
Air consumption: 140 l/min
Operating pressure: max. 6.3 bar (90 psi)
Min. tube diameter: 1/4" - 6.30 mm
Connection thread: 1/4" IG

SlimPOWER pneumatic die grinder, straight

• Straight design
• Air exhaust through the handle rear end
• For one handed operation with ergonomic design
• For HM mills, mini cutting discs and grinding heads with a 6 mm shaft
• Ideal for grinding, polishing and engraving work
• For working in hard to access areas
• Very handy and compact construction
• Secure operation lever with locking device
• With stepless speed regulation
• Vibration dampened
• Includes 1/4" coupling connector
• Robust housing

Technical data:

Chuck: 6 mm
Capacity: 230 W/110 V
No load current: 2500 rpm
Vibration: < 1.5 m/s²
Noise performance level: 98 dB
Noise pressure level: 81 dB
Air consumption: 319 l/min
Operating pressure: max. 5.5 bar (80 psi)
Min. tube diameter: 1/4" - 6.4 mm
Connection thread: 1/4" IG
Mini pneumatic die grinder, straight

- Straight design
- Air exhaust through the handle rear end
- For one handed operation with ergonomic design
- For HM mills, mini cutting discs and grinding heads with a 6 mm shaft
- Ideal for grinding, polishing and engraving work
- For working in hard to access areas
- Very handy and compact construction
- Secure operation lever with locking device
- With stepless speed regulation
- Number of revolutions adjustable through regulating screw
- Vibration dampened
- Cold insulated handle
- Includes 1/4" coupling connector
- Ultra light robust housing from special plastic

Technical data:

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<td>Noise pressure level: 82 dBa</td>
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<tr>
<td>Air consumption: 85 l/min</td>
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<tr>
<td>Operating pressure: max. 6.3 bar (90 psi)</td>
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<tr>
<td>Min. tube diameter: 3/8&quot; - 10 mm</td>
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<td>Connection thread: 1/4&quot;PT</td>
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Pneumatic die grinder

- Straight design
- Air exhaust through the handle rear end
- For one handed operation with ergonomic design
- For HM mills, mini cutting discs and grinding heads with a 6 mm shaft
- Ideal for grinding, polishing and engraving work
- For working in hard to access areas
- Very handy and compact construction
- Secure operation lever with locking device
- Number of revolutions adjustable through regulating screw
- Vibration dampened
- Cold insulated handle
- Includes 1/4" coupling connector
- Ultra light robust housing from special plastic

Technical data:

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<td>Noise performance level: 95 dBa</td>
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<td>Noise pressure level: 82 dBa</td>
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<tr>
<td>Air consumption: 85 l/min</td>
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<tr>
<td>Operating pressure: max. 6.3 bar (90 psi)</td>
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<tr>
<td>Min. tube diameter: 3/8&quot; - 10 mm</td>
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<td>Connection thread: 1/4&quot;PT</td>
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<td>385.0</td>
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</table>

Long shaft die grinder

- Straight design
- Air exhaust through the handle rear end
- For one handed operation with ergonomic design
- For HM mills, mini cutting discs and grinding heads with a 6 mm shaft
- Ideal for grinding, polishing and engraving work
- For working in deep lying areas
- Secure operation lever with locking device
- With stepless speed regulation
- Number of revolutions adjustable through regulating screw
- Vibration dampened
- Cold insulated handle
- Includes 1/4" coupling connector
- Ultra light robust housing special plastic

Technical data:

<table>
<thead>
<tr>
<th>Capacity: 330 Watt</th>
</tr>
</thead>
<tbody>
<tr>
<td>No load current: 22000 p.m.</td>
</tr>
<tr>
<td>Vibration: &lt; 0.1 ms²</td>
</tr>
<tr>
<td>Noise performance level: 95 dBa</td>
</tr>
<tr>
<td>Noise pressure level: 82 dBa</td>
</tr>
<tr>
<td>Air consumption: 85 l/min</td>
</tr>
<tr>
<td>Operating pressure: max. 6.3 bar (90 psi)</td>
</tr>
<tr>
<td>Min. tube diameter: 3/8&quot; - 10 mm</td>
</tr>
<tr>
<td>Connection thread: 1/4&quot;PT</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>B [mm]</th>
<th>L [mm]</th>
</tr>
</thead>
<tbody>
<tr>
<td>44.0</td>
<td>175.0</td>
</tr>
</tbody>
</table>

Long shaft die grinder set

- With 25 mini grinding wheels and mounting mandrel
- Straight design
- Air exhaust through the handle rear end
- For one handed operation with ergonomic design
- For HM mills, mini cutting discs and grinding head with 6 mm shaft
- Ideal for grinding, polishing and engraving work
- For working in deep lying areas
- Secure operation lever with locking device
- With stepless speed regulation
- Number of revolutions adjustable through regulating screw
- Vibration dampened
- Cold insulated handle
- Includes 1/4" coupling connector
- Ultra light robust housing special plastic

Technical data:

<table>
<thead>
<tr>
<th>Capacity: 330 Watt</th>
</tr>
</thead>
<tbody>
<tr>
<td>No load current: 22000 p.m.</td>
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<tr>
<td>Vibration: &lt; 0.1 ms²</td>
</tr>
<tr>
<td>Noise performance level: 95 dBa</td>
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<tr>
<td>Noise pressure level: 82 dBa</td>
</tr>
<tr>
<td>Air consumption: 85 l/min</td>
</tr>
<tr>
<td>Operating pressure: max. 6.3 bar (90 psi)</td>
</tr>
<tr>
<td>Min. tube diameter: 3/8&quot; - 10 mm</td>
</tr>
<tr>
<td>Connection thread: 1/4&quot;PT</td>
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<table>
<thead>
<tr>
<th>B [mm]</th>
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<tr>
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</tbody>
</table>

Thin disks can be found in the Cutting tools/brushes and files section on page 649

ANGLE DIE GRINDER

SlimPOWER Pneumatic angled die grinder

- Straight design
- Air exhaust through the handle rear end
- For one handed operation with ergonomic design
- For HM mills, mini cutting discs and grinding heads with a 6 mm shaft
- Ideal for grinding, polishing and engraving work
- For working in hard to access areas
- Secure operation lever with locking device
- With stepless speed regulation
- Vibration dampened
- Includes 1/4" coupling connector
- Robust housing

Technical data:

<table>
<thead>
<tr>
<th>Capacity: 190 Watt</th>
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<tbody>
<tr>
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<tr>
<td>Vibration: &lt; 1.5 ms²</td>
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<tr>
<td>Noise performance level: 95 dBa</td>
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<td>Noise pressure level: 82 dBa</td>
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<tr>
<td>Air consumption: 240 l/min</td>
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<tr>
<td>Min. tube diameter: 1/4&quot; - 4.5 mm</td>
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<tr>
<td>Operating pressure: max. 5.5 bar (80 psi)</td>
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<tr>
<td>Connection thread: 1/4&quot;</td>
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<table>
<thead>
<tr>
<th>B [mm]</th>
<th>L [mm]</th>
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<tbody>
<tr>
<td>75.0</td>
<td>125.0</td>
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</table>
SlimPOWER Pneumatic angled die grinder

- Straight design
- Air exhaust through the handle rear end
- For one handed operation with ergonomic design
- For HM mills, mini cutting discs and grinding heads with a 6 mm shaft
- Ideal for grinding, polishing and engraving work
- Robust housing

Technical data:
- Chuck: 6 mm
- Capacity: 230 Watt
- No load current: 20000 p.m.
- Vibration: < 1,5 m/s²
- Noise performance level: 95 dBa
- Noise pressure level: 83 dBa
- Air consumption: 315/35 l/min
- Min. tube diameter: 1/4" - 6,4 mm
- Connection thread: max. 6,3 bar (90 psi)
- Connection thread: 1/4"

Min. pneumatic burnisher set

- For hard to reach places and improvement work
- With non-slip soft-grip handle
- 90° offset execution
- Air exhaust through the handle rear end
- For one hand operation
- Ideal for curved cutting
- For working in hard to access areas
- Vibration dampened
- Very compact construction
- Grinding disc with Velcro
- Includes 1/4" coupling connector
- Robust housing
- In durable plastic storage case

Technical data:
- No load current: 2500 r.p.m.
- Vibration: 1,5 m/s²
- Noise performance level: 92 dBa
- Noise pressure level: 81 dBa
- Air consumption: 113 l/min
- Operating pressure: max. 5,2 bar
- Min. tube diameter: 10 mm
- Connection thread: 1/4"
GRINDING MACHINES

SlimPOWER mini pneumatic grinding machine

- 90° offset execution
- Air exhaust through the handle rear end
- For one hand operation
- Ideal for curved cutting
- For working in hard to access areas
- Secure operation lever with locking device
- With stepless speed regulation
- Vibration dampened
- Very compact construction
- For screw in pads with >28.7 mm diameter
- Includes 1/4" coupling connector
- Receiver: Internal thread
- Robust housing

Incl. three grinding discs

Technical data:

<table>
<thead>
<tr>
<th>B (mm)</th>
<th>L (mm)</th>
<th>Ø (mm)</th>
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<table>
<thead>
<tr>
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<th>Material</th>
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</tr>
<tr>
<td>515.0075</td>
<td>Strip Red</td>
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<td>10</td>
</tr>
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</table>

Grinding pads 26.7 mm

- For polishing rough surfaces made from wood, metal, varnish and natural stone
- For breaking edges

<table>
<thead>
<tr>
<th>Handle</th>
<th>Material</th>
<th>Size</th>
<th>Colour</th>
</tr>
</thead>
<tbody>
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<td>515.0078</td>
<td>Sand paper</td>
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<td>515.0079</td>
<td>Sand paper</td>
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<tr>
<td>515.0076</td>
<td>Strip Red</td>
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<td>10</td>
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</table>

SlimPOWER mini pneumatic grinding machine for large pads

- 90° offset execution
- Air exhaust through the handle rear end
- For one hand operation
- Ideal for curved cutting
- For working in hard to access areas
- Secure operation lever with locking device
- With stepless speed regulation
- Vibration dampened
- Very compact construction
- For screw in pads with 50.0 mm diameter
- Includes 1/4" coupling connector
- Receiver: Internal thread
- Robust housing

Technical data:

<table>
<thead>
<tr>
<th>B (mm)</th>
<th>L (mm)</th>
<th>Ø (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>70.0</td>
<td>120.0</td>
<td>300</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Handle</th>
<th>Material</th>
<th>Size</th>
<th>Colour</th>
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<tbody>
<tr>
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<td>515.3551</td>
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</tr>
<tr>
<td>515.3552</td>
<td>Sand paper</td>
<td>100</td>
<td>10</td>
</tr>
</tbody>
</table>

BELT SANDER

Belt sander

- With non slip soft grip handle
- Air exhaust through the handle rear end
- Working head is 360° adjustable
- Adjustable for quick sanding belt change
- Ideal for narrow areas (10 mm belt width)
- Secure operation lever with locking device
- With stepless speed regulation
- Number of revolutions adjustable through regulating screw
- Vibration dampened
- Cold insulated handle
- Includes 1/4" coupling connector
- Light aluminium housing

Technical data:

Belt speed: 1188 m/min
No load current: 18000 p.m.
Vibration: < 2.0 m/s²
Noise performance level: 81 dBA
Noise pressure level: 73 dBA
Air consumption: 142 l/min
Min. tube diameter: 3/8" - 10 mm
Connection thread: 1/4"PT

Sanding belt for belt sander 515.3549

<table>
<thead>
<tr>
<th>Handle</th>
<th>Material</th>
<th>Size</th>
<th>Colour</th>
</tr>
</thead>
<tbody>
<tr>
<td>515.3553</td>
<td>Sand paper</td>
<td>100</td>
<td>10</td>
</tr>
<tr>
<td>515.3554</td>
<td>Sand paper</td>
<td>100</td>
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</tr>
<tr>
<td>515.3555</td>
<td>Sand paper</td>
<td>100</td>
<td>10</td>
</tr>
</tbody>
</table>

- Sanding belt for belt sander 515.3549
ROUGH GRINDERS

Pneumatic disc cutter

- Air exhaust through the handle rear end
- For grinding wheels up to Ø 125 mm x 22 mm
- With safety cover
- For grinding metal sheet and steel
- Secure operation lever with locking device
- With detachable second handle
- With stepless speed regulation
- Vibration dampened
- Cold insulated handle
- Includes 1/4" coupling connector
- Ultra-light robust housing from special plastic

Technical data:
- Tool holder: 5/8" - 11 Gang
- No load current: 10000 r.p.m.
- Capacity: 700 Watt
- Vibration: < 0.2 m²/s²
- Noise performance level: 103 dBA
- Noise pressure level: 90 dBA
- Air consumption: 142 l/min
- Operating pressure: max. 6.3 bar (90 psi)
- Min. tube diameter: 3/8" - 10 mm
- Connection thread: 1/4"PT

<table>
<thead>
<tr>
<th>Ø mm</th>
<th>l mm</th>
<th>L mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>215.3043</td>
<td>95.0</td>
<td>210.0</td>
</tr>
</tbody>
</table>

Pneumatic disc cutter

- Air exhaust through the handle rear end
- For one handed operation with ergonomic design
- For cutting wheels up to Ø 75 mm x 10 mm
- With safety cover
- For cutting metal sheet and steel
- Secure operation lever with locking device
- For working in inaccessible places
- With stepless speed regulation
- Number of revolutions adjustable through regulating screw
- Vibration dampened
- Cold insulated handle
- Includes 1/4" coupling connector
- Ultra-light robust housing special plastic

Technical data:
- Tool holder: 5/8" - 24 mm
- No load current: 21000 r.p.m.
- Capacity: 330 Watt
- Vibration: < 0.2 m²/s²
- Noise performance level: 85 dBA
- Noise pressure level: 82 dBA
- Air consumption: 85 l/min
- Operating pressure: max. 6.3 bar (90 psi)
- Min. tube diameter: 3/8" - 10 mm
- Connection thread: 1/4"PT

<table>
<thead>
<tr>
<th>Ø mm</th>
<th>l mm</th>
<th>L mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>215.3044</td>
<td>95.0</td>
<td>195.0</td>
</tr>
</tbody>
</table>

RANDOM ORBIT SANDERS

Mini pneumatic random orbital sander set

- For hard to reach places and improvement work
- With non-slip soft grip handle
- 90° offset execution
- Air exhaust through the handle rear end
- For one hand operation
- Ideal for curved cutting
- For working in hard to access areas
- Vibration dampened
- Very compact construction
- Includes 1/4" coupling connector
- Receiver: Internal thread
- Robust housing
- Grinding disc with Velcro
- In durable plastic storage case

Technical data:
- No load current: 15000 r.p.m.
- Vibration: < 1.5 m²/s²
- Noise performance level: 92 dBA
- Noise pressure level: 81 dBA
- Air consumption: 113 l/min
- Operating pressure: max. 5.2
- Min. tube diameter: 10 mm
- Connection thread: 1/4"

Grinding disc
- With Velcro receiver
- With external thread receiver

Technical data:
- Ø 46.0 mm
- Ø 76.5 mm

Grinding pads
- For polishing rough surfaces made from wood, metal, varnish and natural stone
- For breaking edges

Technical data:
- Ø 50.0 mm
- Ø 75.0 mm

Mini pneumatic random orbital sander set

Technical data:
- Sanding radius: 2.5 mm
- Velcro disc receiver: Ø 152.4 mm x 6"
- Tube length: 2 m
- Capacity: 240 Watt
- No load current: 10000 r.p.m.
- Vibration: 3.5 m²/s²
- Noise performance level: 71 dBA
- Noise pressure level: 60 dBA
- Air consumption: 255 l/min
- Operating pressure: max. 6.3 bar (90 psi)
- Min. tube diameter: 1/4" - 6.35 mm
- Connection thread: 1/4"PT

<table>
<thead>
<tr>
<th>Ø mm</th>
<th>l mm</th>
<th>L mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>515.3091</td>
<td>100.0</td>
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</tbody>
</table>

Fine finish eccentric sander with dust extraction

- Air exhaust through the used air tube
- With ergonomic design for fatigue free working
- Compact construction height and light composite housing for controlled working
- For sanding or polishing
- Alternatively can be used with dust bag or industrial vacuum cleaner
- Includes fabric dust collection bag
- With 6 punched hole in pitch circle: 80 mm / Ø 11 mm
- With stepless speed regulation
- Low vibration
- Cold insulated handle
- Includes 1/4" coupling connector
- Ultra light robust housing special plastic

Technical data:
- Sanding radius: 5 mm
- Velcro disc receiver: Ø 152.4 mm x 6"
- Tube length: 2 m
- Capacity: 240 Watt
- No load current: 10000 r.p.m.
- Vibration: 3.5 m²/s²
- Noise performance level: 71 dBA
- Noise pressure level: 60 dBA
- Air consumption: 225 l/min
- Operating pressure: max. 6.3 bar (90 psi)
- Min. tube diameter: 1/4" - 6.35 mm
- Connection thread: 1/4"PT

<table>
<thead>
<tr>
<th>Ø mm</th>
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<th>L mm</th>
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</thead>
<tbody>
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</tbody>
</table>
**MULTIGRINDER**

Pneumatic multi-grinder set

- For removing underbody coating, sealant, rust, corrosion, clogging, paints, films, rust as well as for paint stripping
- With non-slip soft-grip-handle
- For hard to reach places
- Air exhaust through the handle rear end
- Easy operation
- Ideal for grinding and erasing work
- For working in hard to access areas
- Vibration dampened
- Includes 1/4" coupling connector
- Robust housing
- In durable plastic storage case

---

**ERASER**

Pneumatic erasing machine

- Straight design
- Air exhaust through the handle rear end
- For one handed operation with ergonomic design
- Ideal for removing of stickers glue and color remainders
- Includes neutral colored rubber eraser disc
- Steepless speed regulation
- Number of revolutions adjustable through regulating screw
- Vibration dampened
- Cold insulated handle
- Includes 1/4" coupling connector
- Ultra light robust housing from special plastic

---

**CHISEL HAMMER**

Pneumatic chisel set

- Non slip soft grip handle
- Air exhaust through the handle
- Ultra light housing from two component plastic
- Ergonomic designed handle
- For ripping out car body sheet metal with compressed air
- Ideal for industry
- Also suitable for tossing firmly rusted fittings
- Steepless impact regulation
- Vibration dampened
- Cold insulated handle
- Includes 1/4" coupling connector
- In durable plastic case

---

**Technical data:**

- Tool holder: 5/16" - 24
- Capacity: 330 Watt
- No load current: 2000 r.p.m.
- Vibration: < 0.1 m/s²
- Noise performance level: 95 dB(A)
- Noise pressure level: 82 dB(A)
- Air consumption: 85 l/min
- Opening pressure: max. 0.3 bar (90 psi)
- Min. tube diameter: 3/8" - 10 mm
- Connection thread: 1/4" PT

---

**Technical data:**

- Speed: 4000 rpm
- Shaft: M8

---

**Technical data:**

- Width: 50.0
- Depth: 110.0
- Height: 15.0

---

**Technical data:**

- Width: 50.0
- Depth: 110.0
- Height: 15.0

---

**Technical data:**

- Number of blows: 3000 blows/min
- No load current: 3200 r.p.m.
- Vibration: 8.5 m/s²
- Noise performance level: 99.2 dB(A)
- Noise pressure level: 110.3 dB(A)
- Air consumption: 270 l/min
- Operating pressure: max. 6.3 bar (90 psi)
- Min. tube diameter: 3/8"
- Connection thread: 1/4" PT
**Pneumatic chisel set**

- Non-slip soft grip handle
- Air exhaust through the handle
- Ergonomic designed handle
- For ripping out car body sheet metal with compressed air
- Ideal for industry
- Also suitable for loosening firmly rusted fittings
- Quick release chuck for quick chisel changing
- Stepless impact regulation
- Vibration dampened
- Cold insulated handle
- Includes 1/4” connecting and chuck
- Ultra light housing from two component plastic
- In durable plastic case

**Technical data:**
- Chisel holder: 10 mm
- Number of blow: 2500 blows/min
- Air consumption: 77.3 l/min
- Vibration: 5.35 m/s²
- Noise pressure level: 86.4 dBA
- Air pressure: 8 bar
- Connection thread: 1/4"PT

**NEEDLE SCALER**

**Pneumatic needle scaler**

- In handy pistol design
- Air exhaust through the handle
- For removing and/or derusting of coatings and solid metal parts
- 16 coarser than a sand-basting and finer than rust hammers
- Equipped with 19 needles of 3 mm a piece
- With adjustable needle cover
- Cold insulated handle
- Includes 1/4” connecting
- Robust steel housing

**Technical data:**
- Needle amount: 19 pcs. 4.3 mm
- Number of blow: 3200 blows/min
- Vibration: 13.8 m/s²
- Noise performance level: 110 dBA
- Noise pressure level: 97 dBA
- Air consumption: 170 l/min
- Operating pressure: max. 6.3 bar (90 psi)
- Min. tube diameter: 3/8” - 10 mm
- Connection thread: 1/4”PT

**NIBBLERS**

**Pneumatic nibbler**

- 90° offset execution
- Air exhaust through the handle rear end
- For one-handed operation with ergonomic design
- Ideal for curved and straight cutting
- Cut is made by punching a series of holes sequentially in sheet metal
- Also suitable for plastic cutting
- For extremely small radius
- With stepless speed regulation
- Vibration dampened
- Cold insulated handle
- Includes 1/4” connecting
- Ultra light robust housing special plastic

**Technical data:**
- Cutting speed: 2.6 m/min
- Cutting output: steel 1.2 mm, aluminium 1.6 mm
- Cutting width: 4.5 mm
- Capacity: 330 Watt
- Vibration: < 0.5 m/s²
- Noise performance level: 95 dBA
- Noise pressure level: 82 dBA
- Air consumption: 85 l/min
- Operating pressure: max. 6.3 bar (90 psi)
- Min. tube diameter: 3/8” - 10 mm
- Connection thread: 1/4”PT

---

**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

**Technical data:**
- Needle amount: 19 pcs. 4.3 mm
- Number of blow: 3200 blows/min
- Vibration: 13.8 m/s²
- Noise performance level: 110 dBA
- Noise pressure level: 97 dBA
- Air consumption: 170 l/min
- Operating pressure: max. 6.3 bar (90 psi)
- Min. tube diameter: 3/8” - 10 mm
- Connection thread: 1/4”PT

**Special Vibro chisel set**

- For loosening seized screw joints and loosening components
- Gentle peeling and driving
- Vibration is transmitted directly to the screw connections
- Impact mandrel attachment as ingenious aid to any removal operation
- For hexagonal and round 10 mm machine mountings
- Including pressure plate adapter for driving out bearings, sleeves, bushing

**Caution:** Use only in conjunction with a pneumatic hammer chisel!

**Technical data:**
- Needle amount: 19 pcs. 4.3 mm
- Number of blow: 3200 blows/min
- Vibration: 13.8 m/s²
- Noise performance level: 110 dBA
- Noise pressure level: 97 dBA
- Air consumption: 170 l/min
- Operating pressure: max. 6.3 bar (90 psi)
- Min. tube diameter: 3/8” - 10 mm
- Connection thread: 1/4”PT

**Technical data:**
- Need amount: 19 pcs. 4.3 mm
- Number of blow: 3200 blows/min
- Vibration: 13.8 m/s²
- Noise performance level: 110 dBA
- Noise pressure level: 97 dBA
- Air consumption: 170 l/min
- Operating pressure: max. 6.3 bar (90 psi)
- Min. tube diameter: 3/8” - 10 mm
- Connection thread: 1/4”PT

---

**AIR SCALERS**

**Needle scaler**

**Technical data:**
- Needle amount: 19 pcs. 4.3 mm
- Number of blow: 3200 blows/min
- Vibration: 13.8 m/s²
- Noise performance level: 110 dBA
- Noise pressure level: 97 dBA
- Air consumption: 170 l/min
- Operating pressure: max. 6.3 bar (90 psi)
- Min. tube diameter: 3/8” - 10 mm
- Connection thread: 1/4”PT

---

**Pneumatic needle scaler**

**Technical data:**
- Needle amount: 19 pcs. 4.3 mm
- Number of blow: 3200 blows/min
- Vibration: 13.8 m/s²
- Noise performance level: 110 dBA
- Noise pressure level: 97 dBA
- Air consumption: 170 l/min
- Operating pressure: max. 6.3 bar (90 psi)
- Min. tube diameter: 3/8” - 10 mm
- Connection thread: 1/4”PT

---

**Pneumatic nibbler**

**Technical data:**
- Cutting speed: 2.6 m/min
- Cutting output: steel 1.2 mm, aluminium 1.6 mm
- Cutting width: 4.5 mm
- Capacity: 330 Watt
- Vibration: < 0.5 m/s²
- Noise performance level: 95 dBA
- Noise pressure level: 82 dBA
- Air consumption: 85 l/min
- Operating pressure: max. 6.3 bar (90 psi)
- Min. tube diameter: 3/8” - 10 mm
- Connection thread: 1/4”PT

---

**Special Vibro chisel set**

- For loosening seized screw joints and loosening components
- Gentle peeling and driving
- Vibration is transmitted directly to the screw connections
- Impact mandrel attachment as ingenious aid to any removal operation
- For hexagonal and round 10 mm machine mountings
- Including pressure plate adapter for driving out bearings, sleeves, bushing

**Caution:** Use only in conjunction with a pneumatic hammer chisel!

**Technical data:**
- Needle amount: 19 pcs. 4.3 mm
- Number of blow: 3200 blows/min
- Vibration: 13.8 m/s²
- Noise performance level: 110 dBA
- Noise pressure level: 97 dBA
- Air consumption: 170 l/min
- Operating pressure: max. 6.3 bar (90 psi)
- Min. tube diameter: 3/8” - 10 mm
- Connection thread: 1/4”PT
Sawing

SlimPOWER pneumatic reciprocating bodywork key hole saw

- Air exhaust through the used air tube to the rear
- For one handed operation
- For works in car body panels, beams and profile
- Secure operation lever with locking device
- Suitable for small sawing radius
- Stepless speed regulation
- Vibration dampened
- Includes 1/4" coupling connector
- Robust metal housing

Technical data:

<table>
<thead>
<tr>
<th>Stroke</th>
<th>7.0 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cutting strokes</td>
<td>5760 strokes/min</td>
</tr>
<tr>
<td>Capacity</td>
<td>190 Watt</td>
</tr>
<tr>
<td>Vibration</td>
<td>&lt; 16 m/s²</td>
</tr>
<tr>
<td>Noise pressure level</td>
<td>81.0 dBA</td>
</tr>
<tr>
<td>Air consumption</td>
<td>240.65 l/min</td>
</tr>
<tr>
<td>Operating pressure</td>
<td>7.5 bar (80 psi)</td>
</tr>
<tr>
<td>Min. tube diameter</td>
<td>4.0 mm</td>
</tr>
<tr>
<td>Connection thread</td>
<td>1/4&quot;</td>
</tr>
</tbody>
</table>

Pneumatic reciprocating bodywork saw, low vibration

- Air exhaust through the used air tube to the rear
- For one handed operation with ergonomic design
- For works in car body panels, beams and profile
- Secure operation lever with locking device
- Suitable for small sawing radius
- Stepless speed regulation
- Number of revolutions adjustable through regulating screw
- Vibration dampened
- Cold insulated handle
- Includes 1/4" coupling connector
- Robust metal housing

Technical data:

<table>
<thead>
<tr>
<th>Stroke</th>
<th>10 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cutting strokes</td>
<td>5760 strokes/min</td>
</tr>
<tr>
<td>Vibration</td>
<td>&lt; 9.1 m/s²</td>
</tr>
<tr>
<td>Noise pressure level</td>
<td>62.2 dBA</td>
</tr>
<tr>
<td>Air consumption</td>
<td>196 l/min</td>
</tr>
<tr>
<td>Operating pressure</td>
<td>6.3 bar (90 psi)</td>
</tr>
<tr>
<td>Min. tube diameter</td>
<td>3/8&quot; - 10 mm</td>
</tr>
<tr>
<td>Connection thread</td>
<td>1/4&quot; PT</td>
</tr>
</tbody>
</table>

Long-disc cutter

SlimPOWER short disc cutter

- Air exhaust through the handle rear end
- For cutting wheels up to Ø 50.4 x 11 x 9.56 mm
- For grinding wheels up to Ø 59.0 x 4.0 x 9.56 mm
- Ideal for loosening worn down and/or rusted connections
- Adjustable spiguard
- For working in inaccessible places
- Long service life
- Secure operation lever with locking device
- With stepless speed regulation
- Vibration dampened
- Includes 1/4" coupling connector
- Robust housing

Technical data:

<table>
<thead>
<tr>
<th>Tool holder</th>
<th>9.00 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity</td>
<td>230 Watt</td>
</tr>
<tr>
<td>No load current</td>
<td>16500 r.p.m.</td>
</tr>
<tr>
<td>Vibration</td>
<td>&lt; 2.0 m/s²</td>
</tr>
<tr>
<td>Noise performance level</td>
<td>81.0 dBA</td>
</tr>
<tr>
<td>Noise pressure level</td>
<td>81.0 dBA</td>
</tr>
<tr>
<td>Air consumption</td>
<td>240.65 l/min</td>
</tr>
<tr>
<td>Operating pressure</td>
<td>7.5 bar (80 psi)</td>
</tr>
<tr>
<td>Min. tube diameter</td>
<td>1/4&quot; - 4.8 mm</td>
</tr>
<tr>
<td>Connection thread</td>
<td>1/4&quot;</td>
</tr>
</tbody>
</table>

SlimPOWER mini pneumatic disc cutter, long

- Air exhaust through the handle rear end
- For cutting wheels up to Ø 75.0 x 1.35 x 9.56 mm
- Ideal for loosening worn down and/or rusted connections
- Fixed spiguard
- For working in inaccessible places
- Long service life
- Secure operation lever with locking device
- With stepless speed regulation
- Vibration dampened
- Very compact construction
- Includes 1/4" coupling connector
- Robust housing

Technical data:

<table>
<thead>
<tr>
<th>Tool holder</th>
<th>9.56 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity</td>
<td>230 Watt</td>
</tr>
<tr>
<td>No load current</td>
<td>16000 r.p.m.</td>
</tr>
<tr>
<td>Vibration</td>
<td>&lt; 1.5 m/s²</td>
</tr>
<tr>
<td>Noise performance level</td>
<td>99.3 dBA</td>
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<tr>
<td>Noise pressure level</td>
<td>99.3 dBA</td>
</tr>
<tr>
<td>Air consumption</td>
<td>319.32 l/min</td>
</tr>
<tr>
<td>Operating pressure</td>
<td>max. 6.2 bar (90 psi)</td>
</tr>
<tr>
<td>Min. tube diameter</td>
<td>1/4&quot; - 6.4 mm</td>
</tr>
<tr>
<td>Connection thread</td>
<td>1/4&quot;</td>
</tr>
</tbody>
</table>

SlimPOWER mini pneumatic long-disc cutter

- Air exhaust through the handle rear end
- For cutting wheels up to Ø 75.0 x 1.35 x 9.56 mm
- Ideal for loosening worn down and/or rusted connections
- Fixed spiguard
- For working in inaccessible places
- Long service life
- Secure operation lever with locking device
- With stepless speed regulation
- Vibration dampened
- Very compact construction
- Includes 1/4" coupling connector
- Robust housing

Technical data:

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<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>Capacity</td>
<td>230 Watt</td>
</tr>
<tr>
<td>No load current</td>
<td>16000 r.p.m.</td>
</tr>
<tr>
<td>Vibration</td>
<td>&lt; 1.5 m/s²</td>
</tr>
<tr>
<td>Noise performance level</td>
<td>99.3 dBA</td>
</tr>
<tr>
<td>Noise pressure level</td>
<td>99.3 dBA</td>
</tr>
<tr>
<td>Air consumption</td>
<td>319.32 l/min</td>
</tr>
<tr>
<td>Operating pressure</td>
<td>max. 6.2 bar (90 psi)</td>
</tr>
<tr>
<td>Min. tube diameter</td>
<td>1/4&quot; - 6.4 mm</td>
</tr>
<tr>
<td>Connection thread</td>
<td>1/4&quot;</td>
</tr>
</tbody>
</table>

Pneumatic reciprocating bodywork key hole saw, low vibration

SlimPOWER mini pneumatic long-disc cutter

- Air exhaust through the handle rear end
- For cutting wheels up to Ø 75.0 x 1.35 x 9.56 mm
- Ideal for loosening worn down and/or rusted connections
- Fixed spiguard
- For working in inaccessible places
- Long service life
- Secure operation lever with locking device
- With stepless speed regulation
- Vibration dampened
- Very compact construction
- Includes 1/4" coupling connector
- Robust housing

Technical data:

<table>
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<tr>
<th>Tool holder</th>
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<tbody>
<tr>
<td>Capacity</td>
<td>230 Watt</td>
</tr>
<tr>
<td>No load current</td>
<td>16000 r.p.m.</td>
</tr>
<tr>
<td>Vibration</td>
<td>&lt; 1.5 m/s²</td>
</tr>
<tr>
<td>Noise performance level</td>
<td>99.3 dBA</td>
</tr>
<tr>
<td>Noise pressure level</td>
<td>99.3 dBA</td>
</tr>
<tr>
<td>Air consumption</td>
<td>319.32 l/min</td>
</tr>
<tr>
<td>Operating pressure</td>
<td>max. 6.2 bar (90 psi)</td>
</tr>
<tr>
<td>Min. tube diameter</td>
<td>1/4&quot; - 6.4 mm</td>
</tr>
<tr>
<td>Connection thread</td>
<td>1/4&quot;</td>
</tr>
</tbody>
</table>

High Performance thin disk

- Exact and clean cut
- No deburring necessary
- Very short cutting times
- Machine load reduced
- Inox stainless steel

Technical data:

<table>
<thead>
<tr>
<th>Tool holder</th>
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</thead>
<tbody>
<tr>
<td>Capacity</td>
<td>230 Watt</td>
</tr>
<tr>
<td>No load current</td>
<td>16000 r.p.m.</td>
</tr>
<tr>
<td>Vibration</td>
<td>&lt; 1.5 m/s²</td>
</tr>
<tr>
<td>Noise performance level</td>
<td>99.3 dBA</td>
</tr>
<tr>
<td>Noise pressure level</td>
<td>99.3 dBA</td>
</tr>
<tr>
<td>Air consumption</td>
<td>319.32 l/min</td>
</tr>
<tr>
<td>Operating pressure</td>
<td>max. 6.2 bar (90 psi)</td>
</tr>
<tr>
<td>Min. tube diameter</td>
<td>1/4&quot; - 6.4 mm</td>
</tr>
<tr>
<td>Connection thread</td>
<td>1/4&quot;</td>
</tr>
</tbody>
</table>
Alround flapwheel, curved

- For universal usage
- Zincirconium aluminum oxide on a glass fibre plate
- Fanlike and radial arrangement of the multi purpose disk
- High level of flexibility
- Consistent high cutting power

Ideal for use in metal, stainless steel, wood and plastic.

High performances thin disk

- Exact and clean cut
- No deburring necessary
- Very short cutting times
- Machine load reduced
- Inox stainless steel

Ideal for use in very thin materials until 2,5 mm, tool steel, sheet metal, thin walled pipes and profiles all type suited for locksmiths, car body building, sanitary and heating fitting, plumbing, sheet metal processing, carpentry, joinery, roofing, metal processing and all motor vehicles businesses.

IMPACT WRENCHES

Mini pneumatic impact wrench 433 N-m

- With non slip soft grip handle
- Air exhaust through the handle
- With practical clockwise and anticlockwise switch
- Easy operation
- 3 stage torque adjustment
- Low vibration
- High performance double hammer mechanism
- Long service life
- Cold insulated handle
- Includes 1/4" coupling connector
- Ultra light magnesium housing
- Grease nipple for maintenance or striking mechanism ensures long life (KS grease gun 980.1070)

Technical data:

<table>
<thead>
<tr>
<th>Square drive:</th>
<th>1/2&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. tightening torque:</td>
<td>1 = 217 Nm</td>
</tr>
<tr>
<td>2 = 346 Nm</td>
<td></td>
</tr>
<tr>
<td>3 = 433 Nm</td>
<td></td>
</tr>
<tr>
<td>Max. loosening torque:</td>
<td>433 Nm</td>
</tr>
<tr>
<td>No. load current:</td>
<td>10000 r.p.m.</td>
</tr>
<tr>
<td>Vibration:</td>
<td>&lt; 2.0 m/s²</td>
</tr>
<tr>
<td>Noise level:</td>
<td>103.8 dbA</td>
</tr>
<tr>
<td>Noise pressure level:</td>
<td>93.8 dbA</td>
</tr>
<tr>
<td>Recommended torque:</td>
<td>448 N•m</td>
</tr>
<tr>
<td>Air consumption:</td>
<td>75 l/min</td>
</tr>
<tr>
<td>Operating pressure:</td>
<td>max. 6.3 bar (90 psi)</td>
</tr>
<tr>
<td>Min. tube diameter:</td>
<td>3/8&quot; - 10 mm</td>
</tr>
<tr>
<td>Max. screw size:</td>
<td>M13</td>
</tr>
</tbody>
</table>

Pneumatic impact wrench 677 N-m

- With ergonomic soft grip handle
- Air exhaust through the handle
- With practical clockwise and anticlockwise switch
- Easy operation
- 3 stage torque adjustment
- Low vibration
- High performance pin hammer mechanism
- Long service life
- Cold insulated handle
- Includes 1/4" coupling connector
- Light aluminium housing

Technical data:

<table>
<thead>
<tr>
<th>Square drive:</th>
<th>1/2&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. tightening torque:</td>
<td>1 = 474 Nm</td>
</tr>
<tr>
<td>2 = 609 Nm</td>
<td></td>
</tr>
<tr>
<td>3 = 677 Nm</td>
<td></td>
</tr>
<tr>
<td>Max. loosening torque:</td>
<td>850 Nm</td>
</tr>
<tr>
<td>No. load current:</td>
<td>7000 r.p.m.</td>
</tr>
<tr>
<td>Vibration:</td>
<td>&lt; 1.13 m/s²</td>
</tr>
<tr>
<td>Noise level:</td>
<td>105.1 dbA</td>
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<tr>
<td>Noise pressure level:</td>
<td>95.4 dbA</td>
</tr>
<tr>
<td>Recommended torque:</td>
<td>492 N•m</td>
</tr>
<tr>
<td>Air consumption:</td>
<td>128 l/min</td>
</tr>
<tr>
<td>Operating pressure:</td>
<td>max. 6.3 bar (90 psi)</td>
</tr>
<tr>
<td>Max. screw size:</td>
<td>M16</td>
</tr>
<tr>
<td>Min. tube diameter:</td>
<td>3/8&quot; - 10 mm</td>
</tr>
<tr>
<td>Connection thread:</td>
<td>1/4&quot;PT</td>
</tr>
</tbody>
</table>

METAL SHEARS

Pneumatic sheet metal shear

- Air exhaust through the handle rear end
- For one handed operation with ergonomic design
- Ideal for the cutting of car body sheet metal and aluminium sheet
- Eccentric cutting drive
- For cutted cutting up to 100 mm radius
- With stepless speed regulation
- Number of revolutions adjustable through regulating screw
- Vibration dampened
- Cold insulated handle
- Includes 1/4" connecting pipe
- Ultra light robust housing special plastic

Technical data:

| No load current: | 12000 r.p.m. |
| Vibration: | < 2.0 m/s² |
| Noise performance level: | 105 dbA |
| Noise pressure level: | 95 dbA |
| Air consumption: | 142 l/min |
| Operating pressure: | max. 6.3 bar (90 psi) |
| Drive: | 16 mm / M10 x 1.0 mm |
| Min. tube diameter: | 1/4" - 0.20 mm |
| Connection thread: | 1/4"PT |

Long disc cutter

- Air exhaust through the handle rear end
- With practical clockwise and anticlockwise switch
- For cutting wheels up to Ø 150 x 1,0 x 10 mm
- Ideal for loosening worn down and/or rusted connections
- Adjustable sparkguard
- For working in inaccessible places
- Long service life
- Secure operation lever with locking device
- With stepless speed regulation
- Number of revolutions adjustable through regulating wheel
- Vibration dampened
- Cold insulated handle
- Includes 1/4" connecting pipe
- Ultra light robust housing special plastic
- Grease nipple for maintenance or striking mechanism ensures long life (KS grease gun 980.1070)

Technical data:

<table>
<thead>
<tr>
<th>Ø mm</th>
<th>650</th>
<th>480</th>
<th>337,2010</th>
<th>1,80</th>
</tr>
</thead>
<tbody>
<tr>
<td>l mm</td>
<td>255</td>
<td>255</td>
<td>515,5058</td>
<td>60.0</td>
</tr>
<tr>
<td>d mm</td>
<td>59,2</td>
<td>3,36</td>
<td>4,0</td>
<td>25</td>
</tr>
<tr>
<td>H mm</td>
<td>75</td>
<td></td>
<td></td>
<td></td>
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</tbody>
</table>

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<thead>
<tr>
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<td>4,0</td>
<td>25</td>
</tr>
<tr>
<td>H mm</td>
<td>75</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

498
**Pneumatic impact wrench 810 N•m**

- With non-slip soft grip handle
- Air exhaust through the handle
- With practical clockwise and anticlockwise switch
- Easy operation
- 3 stage torque adjustment
- Low vibration
- High performance double hammer mechanism
- Long service life
- Cold insulated handle
- Includes 1/4" coupling connector
- Ultra light magnesium housing

**Technical data:**
- Square drive: 1/2"
- Max. tightening torque: 1 = 444 N•m
  2 = 932 N•m
  3 = 1710 N•m
- No load current: 7550 p.m.
- Vibration: < 2.55 m/s²
- Noise pressure level: 104 dBa
- Recommended torque: 542 N•m
- Air consumption: 128 l/min
- Operating pressure: max. 6.3 bar
- Max. screw size: M 16
- Min. tube diameter: 3/8" - 10 mm
- Connection thread: 1/4" PT

<table>
<thead>
<tr>
<th>B (mm)</th>
<th>160.0</th>
<th>L (mm)</th>
<th>220.0</th>
<th>CE</th>
</tr>
</thead>
<tbody>
<tr>
<td>819.1210</td>
<td>100.0</td>
<td></td>
<td>200.0</td>
<td>2.80</td>
</tr>
</tbody>
</table>

---

**MONSTER High Performance Pneumatic impact wrench 1490 N•m**

- With non-slip soft grip handle
- Air exhaust through the handle
- With practical clockwise and anticlockwise switch
- Easy operation
- 3 stage torque adjustment
- Low vibration
- High performance double hammer mechanism
- Long service life
- Cold insulated handle
- Includes 1/4" coupling connector
- Ultra light aluminium housing

**Technical data:**
- Square drive: 1/2"
- Max. tightening torque: 1 = 510 N•m
  2 = 1020 N•m
  3 = 1931 N•m
- No load current: 7350 p.m.
- Vibration: 2.69 m/s²
- Noise pressure level: 104 dBa
- Recommended torque: 542 N•m
- Air consumption: 128 l/min
- Operating pressure: max. 6.3 bar
- Max. screw size: M 16
- Min. tube diameter: 3/8" - 10 mm
- Connection thread: 1/4" PT

<table>
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<tr>
<th>B (mm)</th>
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<th>L (mm)</th>
<th>200.0</th>
<th>CE</th>
</tr>
</thead>
<tbody>
<tr>
<td>819.1210</td>
<td>100.0</td>
<td></td>
<td>200.0</td>
<td>1.99</td>
</tr>
</tbody>
</table>

---

**Pneumatic impact wrench 1490 N•m**

- With non-slip soft grip handle
- Air exhaust through the handle
- With practical clockwise and anticlockwise switch
- Easy operation
- 3 stage torque adjustment
- Low vibration
- High performance double hammer mechanism
- Long service life
- Cold insulated handle
- Includes 3/8" coupling connector
- Ultra light magnesium housing

**Technical data:**
- Square drive: 3/4"
- Max. tightening torque: 1 = 963 N•m
  2 = 1860 N•m
  3 = 3312 N•m
- No load current: 1500 p.m.
- Vibration: < 2.54 m/s²
- Noise pressure level: 103.6 dBa
- Recommended torque: 542 N•m
- Air consumption: 208 l/min
- Operating pressure: max. 5.3 bar (90 psi)
- Max. screw size: M 30
- Min. tube diameter: 1/2" (3/8" - 10 mm)
- Connection thread: 3/8" PT

<table>
<thead>
<tr>
<th>B (mm)</th>
<th>160.0</th>
<th>L (mm)</th>
<th>200.0</th>
<th>CE</th>
</tr>
</thead>
<tbody>
<tr>
<td>819.3735</td>
<td>107.0</td>
<td></td>
<td>227.0</td>
<td>5.70</td>
</tr>
</tbody>
</table>

---

**Pneumatic impact wrench 2169 N•m**

- With non-slip handle
- Air exhaust through the handle rear end
- With practical clockwise and anticlockwise switch
- Easy operation
- 3 stage torque adjustment
- Low vibration
- High performance double hammer mechanism
- Long service life
- Cold insulated handle
- Includes 1/2" coupling connector
- Ultra light magnesium housing

**Technical data:**
- Square drive: 1"
- Max. tightening torque: 1 = 651 N•m
  2 = 1302 N•m
  3 = 2183 N•m
  4 = 3646 N•m
- No load current: 4500 p.m.
- Vibration: < 3.0 m/s²
- Noise pressure level: 123.6 dBa
- Recommended torque: 1500 N•m
- Air consumption: 283 l/min
- Operating pressure: max. 6.3 bar (90 psi)
- Max. screw size: M 33
- Min. tube diameter: 3/4" - 10 mm
- Connection thread: 1/2" PT

<table>
<thead>
<tr>
<th>B (mm)</th>
<th>230.0</th>
<th>L (mm)</th>
<th>334.0</th>
<th>CE</th>
</tr>
</thead>
<tbody>
<tr>
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<td></td>
<td>334.0</td>
<td>5.74</td>
</tr>
</tbody>
</table>
### Technical data: Pneumatic impact wrench 3388 Nm

<table>
<thead>
<tr>
<th>Square drive</th>
<th>1&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. tightening torque</td>
<td>1 x 1016 Nm</td>
</tr>
<tr>
<td>2 x 1034 Nm</td>
<td></td>
</tr>
<tr>
<td>3 x 972 Nm</td>
<td></td>
</tr>
<tr>
<td>4 x 3388 Nm</td>
<td></td>
</tr>
<tr>
<td>Max. loosening torque</td>
<td>3388 Nm</td>
</tr>
<tr>
<td>No-load current</td>
<td>4200 p.m.</td>
</tr>
<tr>
<td>Vibration</td>
<td>&lt; 3.32 m/s²</td>
</tr>
<tr>
<td>Noise performance level</td>
<td>114.7 dB(A)</td>
</tr>
<tr>
<td>Noise pressure level</td>
<td>103.8 dB</td>
</tr>
<tr>
<td>Recommended torque</td>
<td>2481 Nm</td>
</tr>
<tr>
<td>Air consumption</td>
<td>283 l/min</td>
</tr>
<tr>
<td>Operating pressure</td>
<td>max. 6.3 bar (90 pcs)</td>
</tr>
<tr>
<td>Max. screw size</td>
<td>M 10</td>
</tr>
<tr>
<td>Min. tube diameter</td>
<td>3/4&quot; - 19 mm</td>
</tr>
<tr>
<td>Connection thread</td>
<td>1/2&quot;PT</td>
</tr>
</tbody>
</table>

**Product Code:** 515.3769

### Technical data: Pneumatic impact wrench 2,441 Nm

<table>
<thead>
<tr>
<th>Square drive</th>
<th>1&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. tightening torque</td>
<td>2033 Nm</td>
</tr>
<tr>
<td>Max. loosening torque</td>
<td>2441 Nm</td>
</tr>
<tr>
<td>No-load current</td>
<td>12.5 m/s²</td>
</tr>
<tr>
<td>Vibration</td>
<td>&lt; 3.32 m/s²</td>
</tr>
<tr>
<td>Noise performance level</td>
<td>96 dB(A)</td>
</tr>
<tr>
<td>Noise pressure level</td>
<td>96 dB</td>
</tr>
<tr>
<td>Operating pressure</td>
<td>max. 6.3 bar (90 pcs)</td>
</tr>
<tr>
<td>Air consumption</td>
<td>282 l/min</td>
</tr>
<tr>
<td>Min. tube diameter</td>
<td>1/2&quot; - 13 mm</td>
</tr>
<tr>
<td>Max. screw size</td>
<td>M 38</td>
</tr>
<tr>
<td>Connection thread</td>
<td>1/2&quot;PT</td>
</tr>
</tbody>
</table>

**Product Code:** 515.3770

### Technical data: Impact wrench sets

#### Pneumatic impact wrench set 3388 Nm

- With ergonomic soft grip handle
- Air exhaust through the handle
- With practical clockwise and anticlockwise switch
- Easy operation
- 4 stage torque adjustment
- Low vibration
- High performance double hammer mechanism
- Long service life
- Includes 1/2" coupling connector
- Ultra light magnesium housing

**Product Code:** 515.3140 17 pcs 6.32

| 1 x | 677 Nm |
| 10 x | 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 |
| 3 x | 17 - 19 - 21 mm |

**Product Code:** 515.1220 17 pcs 6.32

| 1 x | 740 Nm |
| 10 x | 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 |
| 3 x | 17 - 19 - 21 mm |

**Product Code:** 515.3190 17 pcs 7.30

| 1 x | 1690 Nm |
| 10 x | 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 |
| 3 x | 17 - 19 - 21 mm |

**Product Code:** 515.0100 17 pcs 8.30

| 1 x | 125 mm |
| 1 x | 68 mm |

**Product Code:** 515.0110 17 pcs 9.30

| 1 x | 125 mm |
| 1 x | 68 mm |

**Product Code:** 515.0120 17 pcs 10.30

| 1 x | 125 mm |
| 1 x | 68 mm |
RIVETING TOOLS PISTOL

Pneumatic riveting tool pistol

- Air exhaust through the handle rear end
- For one handed operation with ergonomic design
- For pop rivet working
- With swivel joint at the coupling connector for flexible use
- Cold insulated
- Includes 1/4" coupling connector
- Robust aluminum housing

Technical data:

<table>
<thead>
<tr>
<th>B (mm)</th>
<th>L (mm)</th>
<th>ø (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>315.3182</td>
<td>195.0</td>
<td>250.0</td>
</tr>
</tbody>
</table>

Cutting / scraper blades

- For the pneumatic oscillating cutter
- Special steel

OSCILLATING CUTTER

Pneumatic oscillating cutter

- 90° offset execution
- Air exhaust through used air tube
- For one handed operation with ergonomic design
- For the professional dismantling of vehicle discs
- Universal blade reception for all standard blades
- Secure operation lever with locking device
- Stepless speed regulation
- Includes 1/4" coupling connector and blade changing spanner
- Robust steel housing

Technical data:

<table>
<thead>
<tr>
<th>Oscillating speed</th>
<th>20000 min^-1</th>
</tr>
</thead>
<tbody>
<tr>
<td>No load current</td>
<td>22000 p.m.</td>
</tr>
<tr>
<td>Vibration</td>
<td>4.3 m/s²</td>
</tr>
<tr>
<td>Noise performance</td>
<td>73.0 dBA</td>
</tr>
<tr>
<td>Noise pressure</td>
<td>69.0 dBA</td>
</tr>
<tr>
<td>Air consumption</td>
<td>300 l/min</td>
</tr>
<tr>
<td>Operating pressure</td>
<td>6.3 bar (90 psi)</td>
</tr>
<tr>
<td>Min. tube diameter</td>
<td>3/8&quot; - 10 mm</td>
</tr>
<tr>
<td>Connection thread</td>
<td>1/4&quot;PT</td>
</tr>
</tbody>
</table>

VIBRO EXTRACTOR

Glow plug extractor set

- Ideal for loosening and extracting jammed glow plugs
- Especially suitable in glow plugs jammed by corrosion and/ or soot coal
- Produces controlled vibration impulse
- Suitable for all current glow plugs
- Loosening torque in 4 stages in accordance with manufacturer guidelines
- Extensive cost intensive repairs can be avoided through dismantling glow plugs
- Includes 1/4" coupling connector
- In durable steel storage case

Technical data:

<table>
<thead>
<tr>
<th>Square drive</th>
<th>1/4&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. tightening torque</td>
<td>40 Nm</td>
</tr>
<tr>
<td>Max. loosening torque</td>
<td>1 - 10 Nm</td>
</tr>
<tr>
<td></td>
<td>2 - 20 Nm</td>
</tr>
<tr>
<td></td>
<td>3 - 30 Nm</td>
</tr>
<tr>
<td></td>
<td>4 - 40 Nm</td>
</tr>
<tr>
<td>No load current</td>
<td>7500 p.m.</td>
</tr>
<tr>
<td>Vibration</td>
<td>&lt; 2.9 m/s²</td>
</tr>
<tr>
<td>Noise performance</td>
<td>104 dBA</td>
</tr>
<tr>
<td>Noise pressure</td>
<td>88 dBA</td>
</tr>
<tr>
<td>Recommended torque</td>
<td>42 Nm</td>
</tr>
<tr>
<td>Air consumption</td>
<td>128 l/min</td>
</tr>
<tr>
<td>Operating pressure</td>
<td>max. 6.3 (30 psi)</td>
</tr>
<tr>
<td>Max. screw size</td>
<td>M16</td>
</tr>
<tr>
<td>Min. tube diameter</td>
<td>3/8&quot; - 10 mm</td>
</tr>
<tr>
<td>Connection thread</td>
<td>1/4&quot;PT</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>152.1080</th>
<th>5 pc</th>
<th>Glow plug pull extractor set</th>
<th>1.80</th>
</tr>
</thead>
<tbody>
<tr>
<td>152.1081</td>
<td>1/4&quot;</td>
<td>Glow plug pull extractor set</td>
<td>1.80</td>
</tr>
<tr>
<td>152.1033</td>
<td>1/4&quot;</td>
<td>Impact wrench socket long 8 mm</td>
<td>400</td>
</tr>
<tr>
<td>152.1030</td>
<td>1/4&quot;</td>
<td>Impact wrench socket long 6 mm</td>
<td>400</td>
</tr>
<tr>
<td>152.1032</td>
<td>1/4&quot;</td>
<td>Impact wrench socket long 5 mm</td>
<td>400</td>
</tr>
<tr>
<td>152.1031</td>
<td>1/4&quot;</td>
<td>Impact wrench socket long 3 mm</td>
<td>500</td>
</tr>
<tr>
<td>152.1035</td>
<td>1/4&quot;</td>
<td>Universal joint</td>
<td>400</td>
</tr>
</tbody>
</table>

Technical data:

<table>
<thead>
<tr>
<th>B (mm)</th>
<th>L (mm)</th>
<th>ø (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>140.2218</td>
<td>60.0</td>
<td>60.0</td>
</tr>
</tbody>
</table>

| 140.2251 | 125.0 | Ø 22 mm | 1.27 |

1/4"PT
**AXLE BOOTS ASSEMBLY DEVICES**

**Pneumatic assembly tool for CV joint boots**

- Air exhaust through the handle rear end
- Suitable for all universal and original vehicle CV joint boots
- For CV joint boots diameter from 20 - 120 mm
- Expanding of the joint arms through compressed air
- No additional lubricant necessary
- Cold insulated handle
- Includes 1/4" coupling connector
- Ultra light robust housing from special plastic

### Mini grease gun

- Grease gun for maintenance work
- Precise, exact dosage per pressure button with return spring
- For tubes
- Includes long, rigid nozzle
- Tube contents 130 g

### Technical data:

<table>
<thead>
<tr>
<th>Max. expansion diameter:</th>
<th>120 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating pressure:</td>
<td>max. 8 bar</td>
</tr>
<tr>
<td>Min. tube diameter:</td>
<td>3/8&quot; - 10 mm</td>
</tr>
<tr>
<td>Connection thread:</td>
<td>1/4&quot;PT</td>
</tr>
</tbody>
</table>

**Grease gun adaptor set**

- For standard hand, cordless and pneumatic grease guns
- Adaptor with sliding sleeve for break-proof connection
- Straight and angled grease nipple
- For grease nipples out of steel, brass and stainless steel

**Application range:** Cone, funnel, ball and flat grease nipples

**Technical data:**

<table>
<thead>
<tr>
<th></th>
<th>502.1070</th>
<th>980.1075</th>
<th>1000</th>
</tr>
</thead>
<tbody>
<tr>
<td>800.1090</td>
<td>3 pcs. Mini grease gun set</td>
<td>200</td>
<td></td>
</tr>
</tbody>
</table>

**WHEEL FILLING GAUGE**

**Tyre filling gauge**

- For one hand operation
- Rubber coated manometer
- Manometer with bar and psi scale
- Filling lever and pressure release button
- Tube with integrated locking male nipple
- Robust rubber coated housing

**Technical data:**

<table>
<thead>
<tr>
<th>Working range:</th>
<th>0 - 11 bar</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tube length:</td>
<td>500 mm</td>
</tr>
<tr>
<td>Operating pressure:</td>
<td>max 6.3 bar (90 psi)</td>
</tr>
<tr>
<td>Connection thread:</td>
<td>1/4&quot;PT</td>
</tr>
</tbody>
</table>

**Accessories:**

- Lubricant 110 g
- Replacement tip for mini grease gun, 3 mm
- Replacement tip for mini grease gun long execution

**Technical data:**

<table>
<thead>
<tr>
<th>B mm</th>
<th>L mm</th>
<th>L2 mm</th>
<th>L3 mm</th>
<th>R mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>515.3301</td>
<td>65.0</td>
<td>146.0</td>
<td>250</td>
<td></td>
</tr>
</tbody>
</table>

**Grease gun set**

- Grease gun for maintenance work
- Precise, exact dosage per pressure button with return spring
- For exchangeable cartridges and bucket goods
- Includes long, rigid nozzle and an additional nozzle extension
- Tube contents 110 g

**Technical data:**

<table>
<thead>
<tr>
<th>Max. expansion diameter:</th>
<th>120 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating pressure:</td>
<td>max. 8 bar</td>
</tr>
<tr>
<td>Min. tube diameter:</td>
<td>3/8&quot; - 10 mm</td>
</tr>
<tr>
<td>Connection thread:</td>
<td>1/4&quot;PT</td>
</tr>
</tbody>
</table>

**Mini grease gun set**

<table>
<thead>
<tr>
<th>B mm</th>
<th>L mm</th>
<th>L2 mm</th>
<th>L3 mm</th>
<th>R mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>515.3901</td>
<td>146.0</td>
<td>405.0</td>
<td>250</td>
<td></td>
</tr>
</tbody>
</table>

**Precision oiler**

- In ball point pen form
- Practical pocket clip
- Protective cap
- Oil dosage through pushing a button
- Smallest angles and corners reached
- Suitable for a wide range of applications
- Light aluminum housing

**Technical data:**

<table>
<thead>
<tr>
<th>B mm</th>
<th>L mm</th>
<th>L2 mm</th>
<th>L3 mm</th>
<th>R mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>990.1098</td>
<td>500.0</td>
<td>535.0</td>
<td>500</td>
<td></td>
</tr>
</tbody>
</table>

**Mini grease gun**

- Grease gun for maintenance work
- Precise, exact dosage per pressure button with return spring
- For tubes
- Includes long, rigid nozzle
- Tube contents 130 g

**Technical data:**

<table>
<thead>
<tr>
<th>B mm</th>
<th>L mm</th>
<th>L2 mm</th>
<th>L3 mm</th>
<th>R mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>515.3900</td>
<td>150.0</td>
<td>405.0</td>
<td>130</td>
<td></td>
</tr>
</tbody>
</table>

**OILS & GREASES**

**Pneumatic tool oil**

- For the lubrication of compressed air tools
- With lockable nozzle
- Contents 100 ml

**Technical data:**

<table>
<thead>
<tr>
<th>Max. expansion diameter:</th>
<th>120 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating pressure:</td>
<td>max. 8 bar</td>
</tr>
<tr>
<td>Min. tube diameter:</td>
<td>3/8&quot; - 10 mm</td>
</tr>
<tr>
<td>Connection thread:</td>
<td>1/4&quot;PT</td>
</tr>
</tbody>
</table>

**GREASE GUN**

- Air exhaust through the handle
- For one handed operation with balanced ergonomic design
- For cartridges and bucket goods and/or also for loose grease
- Includes rigid and flexible filling tubes high pressure tube
- Cold insulated handle
- Includes 1/4" coupling connector

**Technical data:**

<table>
<thead>
<tr>
<th>Output pressure:</th>
<th>200 bar</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hauling capacity:</td>
<td>288 cm³/min</td>
</tr>
<tr>
<td>Capacity:</td>
<td>400g</td>
</tr>
<tr>
<td>Air consumption:</td>
<td>170 l/min</td>
</tr>
<tr>
<td>Operating pressure:</td>
<td>6.3 bar (90 psi)</td>
</tr>
<tr>
<td>Connection thread:</td>
<td>1/4&quot;PT</td>
</tr>
</tbody>
</table>

**Mini grease gun adaptor set**

| 800.1100 | 7 pcs. Grease gun adaptor set | 1.90 |

**Grease gun adaptor set**

- For standard hand, cordless and pneumatic grease guns
- Adaptor with sliding sleeve for break-proof connection
- Straight and angled grease nipple
- For grease nipples out of steel, brass and stainless steel

**Application range:** Cone, funnel, ball and flat grease nipples
Spray Guns

- For underbody coating or acoustic protection or body cavity sealing with wax
- Handy and light
- For standard 1000 ml cartridges
- Attached, flexible 500 mm hose with spreader nozzle for all-round wax mist permits unproblematic wax application in cavities and interspaces
- Easy application of the underbody coating (or acoustic protection) with standard installed nozzles
- Application tip: Open cartridge, immerse suction pipe and screw in cartridge. Finished!
- Robust housing
- Includes 1/4" coupling connector

Technical data:
- Air consumption: 225 l/min
- Min. tube diameter: 1/4" - 6,3 mm
- Operating pressure: 6,3 bar (90 psi)
- Noise pressure level: 90-dBa
- Connection thread: 1/4"PT

Compressed Air Blow Out Tools

Compressed Blow Out Pistols

- With universal mouth piece
- Ideal for cleaning and removing of foreign objects
- Ergonomic handle
- Controllable air volume
- With hanging function
- Direct air coupling suitable for connection
- Easily operated
- Slip proof handle
- Includes 1/4" coupling connector
- Ultra light robust housing from special plastic

Technical data:
- Input pressure: max. 15 bar
- Operating pressure: max. 6,3 bar (90 psi)
- Max. flow rate: 300 l/min
- Noise pressure level: 90-dBa
- Connection thread: 1/4"PT
Telescopic compressed air blow out pistol
- With stepless extendable nozzle
- Telescopic blast pipe in length and angle adjustable 65 - 280 mm / 360°
- Ideal for cleaning and removing of foreign objects
- Ergonomic handle
- Controllable air volume
- With hanging function
- Direct air coupling suitable for connection
- Easily operated
- Slip proof handle
- Includes 1/4" coupling connector

VACUUMS

Pneumatic suction gun
- Includes reinforced fabric dust collection bag
- Versatile usage
- Includes 1/4" coupling connector
- Robust housing

Technical data:
- Operating pressure: max. 6.3 bar (90 psi)
- Max. flow rate: 96 l/min
- Noise performance level: 97 dBa
- Noise pressure level: 92 dBa
- Min. tube diameter: 3/8" - 10 mm
- Connection thread: 1/4"

COMPRSSED AIR HOSE

PU compressed air spiral coiled tube
- Flexible, crush resistant polyurethane hose
- Tube ends with anti kink device
- Rotating fitting
- Flexible in cold
- Oil and petrol resistant

Technical data:
- Max. pressure: 12 bar
- Tube diameter: 10 mm
- Hose external diameter: 12.5 mm
- Tube length: 15 m
- Connection thread: 1/4"- 6,35 mm

Automatic compressed air hose real Ø 6 mm x 15 m
- With wall mounting bracket
- For compressed air and water
- Drum 180° freely tiltable by means of wall mounting
- Flexible PVC hose
- Automatic hose return
- Multi gearlock per rotation
- Device adjusting lock
- Include 1 m connecting hose
- Impact resistant plastic housing

Technical data:
- Tube diameter: 6 mm
- Hose external diameter: 13 mm
- Tube length: 15 + 1 m m
- Max. pressure: 20.0 bar
- Connection thread: 1/4" - 6.35 mm

Air line hose reel
- With wall mounting bracket
- For compressed air and water
- Drum 180° freely tiltable by means of wall mounting
- Flexible, crush resistant Hybrid Polymer hose
- Automatic hose return
- Multi gearlock per rotation
- Device adjusting lock
- Include 1 m connecting hose
- Impact resistant plastic housing

Technical data:
- Tube diameter: 10 mm
- Tube length: 15 m
- Max. pressure: 6.3 bar

PU compressed air hose
- High quality compressed air hose
- Suitable for compressed air and water
- Light and crush free material
- Suitable accessories
- Long service life
- Oil and petrol resistant

Technical data:
- Temperature constancy: 40°C – +70°C
- Max. pressure: 15 bar

Automatic compressed air hose reel Ø 6 mm x 15 m
- With wall mounting bracket
- For compressed air and water
- Drum 180° freely tiltable by means of wall mounting
- Flexible PVC hose
- Automatic hose return
- Multi gearlock per rotation
- Device adjusting lock
- Include 1 m connecting hose
- Impact resistant plastic housing

Technical data:
- Tube diameter: 6 mm
- Hose external diameter: 13 mm
- Tube length: 15 + 1 m m
- Max. pressure: 20.0 bar
- Connection thread: 1/4" - 6.35 mm
**AIR SERVICE UNIT**

Compressed air water trap
- For separating condensation
- Assembly directly in the access direction
- Made out of situated metal

Compressed air side oiler
- For automatic oiling of compressed air tools
- To test oil state through transparent visibility glass
- Compact execution
- Usable in most compressed air tools
- Extends the service life of compressed air tools
- Refillable
- Assembly directly in the access direction

Air service unit
- Suitable for wall mounting
- Consists of filter pressure reducer, oil regulator and manometer
- Inspection glass for fluid inspection
- For the assembly of compressed air tools
- Output pressure regulates independent of the input pressure
- Filters dirt particles and condensation
- With adjustable oil regulator
- With integrated wall mounting bracket

Technical data:
- Max. pressure: 16 bar
- Max. working pressure: 12 bar
- Pressure gauge: 0.5 – 12 bar
- Allowable temperature range: -10° - +55°C
- Air pressure up to 6.3 bar:
  - 1/4" = 1800 l/min
  - 3/8" = 5000 l/min
  - 1/2" = 5000 l/min
- Filter pressure more inferior:
  - 1/4" = 30 ml
  - 3/8" = 50 ml
  - 1/2" = 50 ml
- Oil trap:
  - 1/4" = 40 ml
  - 3/8" = 170 ml
  - 1/2" = 170 ml

**PNEUMATIC ADAPTERS & COUPLINGS**

Metal swivel joint
- For compressed air tools 1/4"
- Prevents damages of the compressed air tube
- Execution with compressed air regulator
- Body made out of metal

Metal ball joint fitting nipple
- Prevents damages of the compressed air tube
- 360° rotating head and 30° angled
- For compressed air tools 1/4" AG
- Ideal for use with paint sprayers
- Body made out of metal

Coupling with male thread
- With one handed operation
- Self sealing on the coupling
- Size 22
- Body made of brass

Male coupling with male thread
- Size 17, 19 and 24
- Body made of brass

Brass coupling with female thread
- Self sealing on the coupling
- Unilaterally closing off
- Size 22 and 24
- Body made of brass

**Technical data:**
- B [mm]:
  - 1/4" = 140.0
  - 3/8" = 140.0
  - 1/2" = 140.0
- L1 [mm]:
  - 200.0
  - 200.0
  - 200.0
- L2 [mm]:
  - 135.0
  - 135.0
  - 135.0
- Ø [mm]:
  - 5.43
  - 5.43
  - 5.43

**Coupling with male thread**
- D1 [mm]:
  - 22
  - 22
  - 22
- d1 [mm]:
  - 40.0
  - 41.0
  - 43.0
- l [mm]:
  - 70
  - 90
  - 90

**Male coupling with male thread**
- D1 [mm]:
  - 17
  - 19
  - 24
- d1 [mm]:
  - 33.0
  - 33.0
  - 35.0
- l [mm]:
  - 20
  - 25
  - 41

**Brass coupling with female thread**
- D1 [mm]:
  - 17
  - 19
  - 24
- d1 [mm]:
  - 40.0
  - 41.0
  - 43.0
- l [mm]:
  - 80
  - 85
  - 90

**Metal ball joint fitting nipple**
- D1 [mm]:
  - 21
  - 21
  - 21
- d1 [mm]:
  - 56.0
  - 56.0
  - 56.0
- l [mm]:
  - 53
  - 53
  - 53

**Technical data**
- B [mm]:
  - 1/4" = 140.0
  - 3/8" = 140.0
  - 1/2" = 140.0
- L1 [mm]:
  - 200.0
  - 200.0
  - 200.0
- L2 [mm]:
  - 135.0
  - 135.0
  - 135.0
- Ø [mm]:
  - 5.43
  - 5.43
  - 5.43

**Coupling with male thread**
- D1 [mm]:
  - 22
  - 22
  - 22
- d1 [mm]:
  - 40.0
  - 41.0
  - 43.0
- l [mm]:
  - 70
  - 90
  - 90

**Male coupling with male thread**
- D1 [mm]:
  - 17
  - 19
  - 24
- d1 [mm]:
  - 33.0
  - 33.0
  - 35.0
- l [mm]:
  - 20
  - 25
  - 41

**Brass coupling with female thread**
- D1 [mm]:
  - 17
  - 19
  - 24
- d1 [mm]:
  - 40.0
  - 41.0
  - 43.0
- l [mm]:
  - 80
  - 85
  - 90
Brass male coupling with female thread

- Size 17, 19 and 24
- Body made of brass

Brass reducing nipple

- Size 17, 19 and 24
- Body made of brass

Brass Coupling with hose connector

- With one handed operation
- Roller latch
- Non return valve
- Size 21
- Body made of brass

Brass compressed air regulator

- With regulation wheel
- For regulating the air flow volume
- Assembly directly in the access direction
- Completely lockable
- Body made of brass

Brass compressed air 3 way separator

- Connection of 3 departure directions 1/4" IG at each access point
- Body made of solid brass

Brass hose nipple with male thread

- Size 17, 19 and 24
- Inner cone 45°
- Body made of brass

Male coupling with hose connector

- Body made of brass

Brass compressed air separator

- Connection of 3 departure directions 1/4" IG at each access point
- Body made of solid brass

Ear protection can be found in the Industrial safety & workwear section.
PNEUMATIC TOOLS

Innovation is our mission!

• For hard to reach places
• Particularly low air consumption
• Low vibration
• Long service life
• Easy operation
• Supplied incl. DL connection

• Particularly low air consumption
• Low vibration
• Cold insulated handle
• Long service life
• Easy operation
• Supplied incl. DL connection