MINIMAT Screwdrivers
The basic solution for almost all screwdriving tasks
pistol grip design - torque from 0.3 to 20 Nm / 2.7 to 177 in.lbs

- robust
- highest precision
- ergonomic
- long-life
- low noise level

The particular strength of the MINIMAT screwdriver in pistol grip design is that it can carry out screw assemblies with torque ranges from 0.3 Nm to 20 Nm. In these ranges you can not only assemble screws but also adjust them.
The ergonomic MINIMAT screwdriver is extremely durable due to its extraordinary processing quality and design for heavy industrial use.
The MINIMAT clutch works with the tried and tested principle of a mechanical separation and shut-off clutch. This highly precise shut-off clutch allows torque precision of < ±3% standard deviation, which is maintained for millions of assemblies.
When used under the correct conditions DEPRAG pneumatic screwdrivers with shut-off clutch conform with a Cmk value of ≥1.67 with a tolerance requirement of ±10% in relation to 6 Sigma according to ISO 5393. In other words a Cmk value of 1.67 means that there is a failure rate of 0.6 per million screw assemblies.
### TECHNICAL DATA

#### MINIMAT Screwdrivers - pistol grip design

<table>
<thead>
<tr>
<th>Screwdriver style</th>
<th>Motor Size 2</th>
<th>Motor Size 2.5</th>
<th>Motor Size 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lower air-inlet</td>
<td>Part no. 394569A 394569B 394569D 394569C</td>
<td>Part no. 417299A 417299B 417299C 417299D</td>
<td>Part no. 400373B 400373C 400373D 400373E</td>
</tr>
<tr>
<td>Lower air-inlet</td>
<td>Part no. 394573A 394573B 394573D 394573C</td>
<td>Part no. 394574A 394574B 394574D 394574C</td>
<td>Part no. 411447B 411447C 411447D 411447E</td>
</tr>
</tbody>
</table>

**Included in delivery:**

- Hose coupling with nozzle and nipple
- Torque adjustment tools
- Assortment of clutch springs

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The Screwdrivers motor sizes 2, 2.5 and 3 can also be delivered with an automatic screw feed system. Please contact us for more information!
## TECHNICAL DATA

**MINIMAT Screwdrivers - pistol grip design**

<table>
<thead>
<tr>
<th>Screwdriver style</th>
<th>Motor Size 2</th>
<th>Motor Size 2.5</th>
<th>Motor Size 3</th>
<th>Motor Size 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reversible, trigger-start</td>
<td>344-347U</td>
<td>344-447U</td>
<td>344-247U</td>
<td></td>
</tr>
<tr>
<td>Upper air-inlet, lower air-inlet or rear air-inlet</td>
<td>400320D</td>
<td>400320E</td>
<td>400320F</td>
<td></td>
</tr>
<tr>
<td>Reversible, push-to-start</td>
<td>344-349U</td>
<td>344-449U</td>
<td>344-249U</td>
<td></td>
</tr>
<tr>
<td>Upper air-inlet, lower air-inlet or rear air-inlet</td>
<td>411448D</td>
<td>411448E</td>
<td>411448F</td>
<td></td>
</tr>
</tbody>
</table>

### Screws

- **Screws**: up to M5
- **Torque (min.)**: 3 / 26 Nm / in.lbs
- **Torque (soft pull-up) max.**: 6.5 / 57.5 Nm / in.lbs
- **Torque (hard pull-up) max.**: 8.5 / 75.2 Nm / in.lbs
- **Speed, idling**: 2300 rpm
- **Air consumption**: 1 / 36.3 m³/min / cfm
- **Distance from spindle centre to side**: 21 / 0.8 mm / in.
- **Length**: 202 / 11.4 mm / in.
- **Weight**: 1.7 / 3.7 kg / lbs
- **Noise level (dB(A))**: 81

<table>
<thead>
<tr>
<th>Part no.</th>
<th>400320D</th>
<th>400320E</th>
<th>400320F</th>
<th>411448D</th>
<th>411448E</th>
<th>411448F</th>
</tr>
</thead>
</table>

**Performance data relate to an air pressure of 6.3 bar (90 PSI), Air hose dia. 10 mm/1/4", Internal hex. drive DIN ISO 1173 – F6.3 (1/4"), integrated quick change chuck.**

### Included in delivery:

- Hose coupling with nozzle and nipple
- Torque adjustment tools
- Assortment of clutch springs

**Optional Equipment**

<table>
<thead>
<tr>
<th>Spring-Sleeve cpl., without screw suction</th>
<th>Part no.</th>
<th>364672A</th>
<th>364680A</th>
<th>364672A</th>
<th>364672A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spring-Sleeve cpl., with screw suction</td>
<td>Part no.</td>
<td>364672C</td>
<td>364680D</td>
<td>364672C</td>
<td>364672C</td>
</tr>
<tr>
<td>(in connection with finder, see leaflet: Inserting Tools D 3320 E)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Exhaust hose (0.75 m / 2.5 ft.) with air hose (2 m / 6.6 ft.)</td>
<td>Part no.</td>
<td>–</td>
<td>330628A</td>
<td>413417A</td>
<td>413417A</td>
</tr>
<tr>
<td>Handle</td>
<td>Part no.</td>
<td>–</td>
<td>–</td>
<td>410971</td>
<td>410971</td>
</tr>
</tbody>
</table>

**Performance data relate to an air pressure of 6.3 bar (90 PSI), Air hose dia. 10 mm/1/4", Internal hex. drive DIN ISO 1173 – F6.3 (1/4"), integrated quick change chuck.**

### It is necessary to use a torque support (e.g. stand, handgrip) for maximum torque:

- over 10 Nm for pistol grip.
- Suitable torque supports can be found in our brochure D3345E.

### The screwdriver is actuated by trigger. If needed, exhaust hoses can be connected to the screwdriver; this will direct exhaust air away from the assembly area. For size 3 pistol-grip drivers, we offer additional side-handle, which are an useful addition for higher torque values.