REMS Tornado
Threading machine

Proven high performance machine for threading, cutting, deburring, threading of nipples, roll grooving.

For installation, metalworking, industry.
For job site and workshop.

Pipe threads
(\(\frac{1}{16}\)) \(\frac{3}{4} - 2\)”, 16–63 mm

Bolt threads
(6) 10–60 mm, \(\frac{1}{4} - 2\)"

Pipe threads with REMS 4” automatic die head 2½ – 4”

Thread types see page 40.

Pipe grooving with
REMS roll grooving attachment
DN 25–200 (300)
1–8” (12")

REMS Tornado – a class of its own.

Automatic chuck. Universal automatic die head.

Automatic lubrication and cooling.

Operating principle
Rotating material - stationary tools.

Design
Robust, job site-proven. Favourable size and weight, e.g. REMS Tornado 2000 complete only 50 kg. Large work and chip compartment. Easy handling of chip tray. Adjustable height material support.

2 versions:
– Portable version with 3 tubular legs, with removable large oil basin and chip tray.
– Version T with integrated, even larger oil basin and chip tray.

For workbench. Stand or wheel stand with material support, as accessory, for easy transport, optimum work height and secure standing.

Drive
Extremely powerful and fast, e.g. R 2” thread in only 15 s. Completely maintenance-free gear which runs in a sealed oil bath.

Choice of 3 powerful motors:
– Pole-reversible capacitor motor, 2100 W. Overload protection. 2 spindle speeds 52 and 26 rpm, also under full load. Extremely quiet running.
– Pole-reversible 3~induction motor, 2000 W. Overload protection. 2 spindle speeds 52 and 26 rpm, also under full load. Extremely quiet running.

Operator-friendly safety foot switch with emergency-stop, 2-step. Foot switch, can be loaded with the full body weight during operation.

Automatic chuck
2 automatic chucks with self-centering clamping jaws for easy and fast clamping and release of the material. Self-tightening, hence maximum clamping force. No slipping of pipes.

Automatic lubrication and cooling
Robust, proven oil pump with high pumping volume. Optimized oil distribution directly onto the threading point through the die head ensures clean threads and long service life of dies, gear and motor.

Universal automatic die head
Only one universal automatic die head for all threads, including long threads; automatic opening with automatic thread-length-stop for tapered threads. Fast and easy adjustment of thread size. Easy-to-read thread-size scale. Simple and fast change of dies through lock-in positioning in die holder.

Dies
The proven, indestructible REMS quality dies with precise cutting geometry ensure an excellent start-cutting performance, easy threading and clean threads. Dies in a high-quality special-grade steel, fully tempered and hardened, for extremely long die life.

Pipe cutter
Self centering. Robust body made of forged steel. Ergonomic, wide handle for powerful infeed of spindle. Specially hardened cutter wheel in tough-hard REMS die-steel ensures long service life.

Inner pipe deburrer
Robust, easy-to-handle deburring device with adjustable deburring positioning. Specially hardened and designed deburring blade ensures easy deburring and extremely long service life. Two cutting edges for optimum chip flow, specially for small diameters.

Thread-cutting oil
REMS Sanitol and REMS Spezial (page 49). Specially developed for threading.
High cooling and lubricating effect. Essential for clean threads and longer service life of dies, tools and machines.

REMS 4” automatic die head
for pipe threads 2½ – 4” (page 41).
REMS Tornado

Threading machine

Nipple-threading
Efficient with the automatic internal clamping REMS Nippelfix ½–2” (4”) or with the manual internal clamping REMS Nippelspanner ¾–2” (page 48).

Material supports
Vertically adjustable material supports REMS Herkules and REMS Herkules Y (page 88).

REMS roll grooving attachment
Robust, compact roll grooving attachment with oil hydraulic in-feed for pipe grooving of grooved coupling systems DN 25–200 (300), 1–8” (12”) (page 50).

Supply format
REMS Tornado. Threading machine for pipe threads (1/16”–⅛”) ⅛–2”, 16–63 mm, bolt threads (8) 10–60 mm, ¼–2”. With maintenance-free gear, safety foot switch with emergency-stop, 2 automatic chucks, automatic lubrication and cooling. With tool set consisting of one universal automatic die head for all threads, also long threads, automatic opening, with automatic thread-length-stop for tapered threads. Dies for pipe threads, tapered, ISO 7-1, EN 10226 (DIN 2999, BSPT) R ⅛–⅛” and R 1–2” right-hand, pipe cutter, inner pipe deburrer, pressing lever, adjustable height material support. Choice of 3 motors. Portable version with 3 tubular legs, with removable, large oil and chip tray. Version T with integrated, even larger oil basin and chip tray, for work bench, stand or wheel stand with material support.

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<th>Description</th>
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<td>2000</td>
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Other voltages and NPT versions on request.

Accessories

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<td>Wheel stand</td>
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<td>Dies</td>
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<td>Universal automatic die head ⅛–2” quick-change die head instead of changing the dies</td>
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<td>REMS 4 automatic die head for pipe threads 2½–4”, see page 41.</td>
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<td>REMS cutter wheel St ⅛–4”, s 8</td>
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<td>see page 49.</td>
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<tr>
<td>Nipple holder</td>
<td>see page 46.</td>
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<tr>
<td>REMS Herkules material supports, see page 88.</td>
<td>347000</td>
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<td>REMS roll grooving attachment for pipe grooving, see page 50.</td>
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