

Proven high performance machine for threading, cutting, deburring, threading of nipples, roll grooving. For installation, metalworking, industry. For job site and workshop.

Pipe threads	( $\frac{1}{16}$ ) $\frac{1}{8}$ –2", 16–63 mm
Bolt threads	(6) 10–60 mm, $\frac{1}{4}$ –2"

Thread types see page 40.

Pipe grooving with REMS roll grooving attachment	DN 25–200 1–8"
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### 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, collapsible wheel stand or wheel stand with material shelf, as an accessory, for easy transport, optimum working height and stable positioning.

### 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:

- Strong universal motor, 1700 W. overload protection. Spindle speed 53 rpm.
- 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. Collets are available for clamping pipes <  $\varnothing$   $\frac{1}{8}$ " and bolts <  $\varnothing$  10 mm.

### 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 47). Specially developed for threading. High cooling and lubricating effect. Essential for clean threads and longer service life of dies, tools and machines.

### Nipple-threading

Efficient with the automatic internal clamping REMS Nippelfix  $\frac{1}{2}$ –2" (4") or with the manual internal clamping REMS Nippelspanner  $\frac{3}{8}$ –2" (page 46).



German Quality Product



Info



Choice of 3 powerful motors.



### REMS roll grooving attachment

Robust, compact roll grooving attachment with oil hydraulic in-feed for pipe grooving of grooved coupling systems DN 25–300, 1–12" (page 48). Roll grooving with REMS Tornado up to DN 200, 8".



### Supply format

**REMS Tornado.** Threading machine for pipe threads ( $\frac{1}{16}$ – $\frac{1}{8}$ –2", 16–63 mm, bolt threads (6) 10–60 mm,  $\frac{1}{4}$ –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  $\frac{1}{2}$ – $\frac{3}{4}$ " 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 bigger oil tray and chip tray, for workbench, stand, collapsible wheel stand or wheel stand with material shelf. In a carton.

Description	Version	Art.-No.	€
<b>2000</b>	Universal motor 230 V or 110 V, 50–60 Hz, 1700 W. 53 rpm. Portable, 3 legs.	340200R220	<b>4 660,62</b>
<b>2010</b>	Pole-reversible capacitor, motor 230 V, 50 Hz, 2100 W. 52/26 rpm, also under full load. Extremely quiet running. Portable, 3 legs.	340201R220	<b>4 795,56</b>
<b>2020</b>	Pole-reversible 3~ induction motor 400 V, 50 Hz, 2000 W. 52/26 rpm, also under full load. Extremely quiet running. Portable, 3 legs.	340202R380	<b>5 023,92</b>
<b>2000 T</b>	Universal motor 230 V or 110 V, 50–60 Hz, 1700 W. 53 rpm. For work bench, stand or wheel stand.	340206R220	<b>5 646,72</b>
<b>2010 T</b>	Pole-reversible capacitor motor 230 V, 50 Hz, 2100 W. 52/26 rpm, also under full load. Extremely quiet running. For work bench, stand or wheel stand.	340207R220	<b>5 781,66</b>
<b>2020 T</b>	Pole-reversible 3~ induction motor 400 V, 50 Hz, 2000 W. 52/26 rpm, also under full load. Extremely quiet running. For work bench, stand or wheel stand.	340208R380	<b>6 010,02</b>

Other voltages and NPT versions on request.

Version T



Wheel stand (accessory)



Version T

Collapsible wheel stand (Accessory)

### Accessories

Description	Art.-No.	€
<b>Stand</b>	344105R	<b>290,64</b>
<b>Wheel stand with material shelf</b>	344100R	<b>493,05</b>
<b>Collapsible wheel stand</b>	344150R	<b>705,84</b>
<b>Dies</b> see page 40.		
<b>Universal automatic die head <math>\frac{1}{16}</math>–2"</b> quick-change die head instead of changing the dies	341000RR	<b>778,50</b>
<b>REMS cutter wheel St <math>\frac{1}{8}</math>–4", s 8</b>	341614R	<b>15,47</b>
<b>Thread-cutting oil</b> see page 47.		
<b>Nipple holder</b> see page 46.		
<b>REMS Herkules material supports</b> , see page 107.		
<b>REMS roll grooving attachment</b> for pipe grooving, see page 48.	347000R	<b>2 242,08</b>

