

TD-1

Portable turning machine for boring and facing of sealing surfaces, boreholes, and grooves in valves.

The EFCO TD can be used on-site as well as at the workshop. It's suitable for use in nuclear power plants, conventional power plants, valve servicing, the chemical industry, petrochemical industry, steel construction, at shipyards and oil fields.

Important features are:

- strong, low-maintenance drive,
- high precision drive shaft,
- fully automatic and adjustable axial and radial feed with automatic shutdown,
- automatic rapid-return (axial and radial) with additional handwheel,
- variable mounting system applicable for most valves

Turning Range

ø up to 400 mm (16")

Immersion Depth

ca. 350 mm (14")

Feeds

Axial feed:	120 mm	(4.8")
Feed rate:	0.1 mm/rev	(0.004"/rev.)
Rapid return:	1.5 mm/rev	(0.06"/rev.)
Manual adjustment:	yes	

Radial feed:	40 mm	(1.6")
Feed rate (low):	0.05 mm/rev	(0.002"/rev.)
Feed rate (high):	0.15 mm/rev	(0.006"/rev.)
Rapid return:	0.4 mm/rev	(0.06"/rev.)
Manual adjustment:	yes	

Mounting Diameters

With short mounting arms:	min. ø 330 mm	(13.2")
	max. ø 500 mm	(20")

With long mounting arms:	min. ø 500 mm	(20")
	max. ø 750 mm	(30")

Drive

Electric



#23015

Standard Scope of Supply

Base

- 1 pc. drive unit with constant axial feed

Drive

- 1 pc. drive motor

electric drive:	230 V / 50 Hz	
power:	1150 W	
speed range:	motor stage I / gear I	3–16 rpm
	motor stage I / gear II	9–45 rpm
	motor stage II / gear I	6–29 rpm
	motor stage II / gear II	12–81 rpm

Clamping System

- 3 pcs. clamping arm short
- 3 pcs. clamping arm long
- 1 pc. clamping bolt with height-adjustment
- 2 pcs. clamping bolts with height- and centre-adjustment
- 3 pcs. clamping lashes
- 1 set assembly tools
- 1 set assembly accessories

Face turning

- 1 pc. facing head
incl. assembly tools and additional hand-wheel

Turning arms and accessories

- 1 set cutting tools incl. tool holders and accessories
- 1 pc. clamp type cartridge T 02 R
- 1 pc. clamp type cartridge T 03 U
- 1 pc. tool holder size I L = 50 mm (2")
- 1 pc. tool holder size II L = 125 mm (5")
- 1 pc. tool holder size. III L = 200 mm (8")
- 1 pc. adapter for turning arms
- 1 pc. adapter I for tool holders
- 1 pc. adapter II for tool holders
- 1 pc. insert holder L = 30 mm (1.2")
- 1 pc. insert holder L = 60 mm (2.4")
- 1 pc. insert holder L = 90 mm (3.6")
- 1 pc. turning arm L = 96 mm (3.8")
- 1 pc. turning arm L = 135 mm (5.3")
- 1 pc. turning arm L = 175 mm (6.9")
- 1 pc. turning arm L = 215 mm (8.5")

Accessories

- 1 pc. workshop trolley
- 2 pcs. operating instructions (English)
- 1 pc. operating instructions (German)