

Subject: TD-2

Item 1:

1 piece

EFCO TD - 2

#4695

Portable turning machine for boring and facing of sealing surfaces, boreholes and grooves in valves, boilers and pipes or other workpieces.

Modern and rigid machine for operation on-site or in the workshop. The design of the machine allows operation in any direction, even in position overhead.

Typical applications are turning of cylindrical and conical sealing surfaces in high-pressure valves (internal seals).

It can be used to turn or re-work grooves or to turn the pressure seal bonnet when intending to replace these seals.

Additional cutting tools (options) allow removing welded-in seats or to re-work the geometry of the new seat ring.

TD-2 is a valuable machine for service companies, power plants, refineries or shipyards.

The most important features are:

- drive by strong electric or pneumatic motors
(drive motors interchangeable against each other)
- high precision drive shaft
- axial and vertical infeed fully automatic with automatic limit
- fully automatic rapid - return motion (axial and vertical), in addition manual operation possible.
- variable mounting system usable on most valves



Technical data:

Turning capacity	ø to 600 mm	(24")
Immersion depth	up to approx. 540 mm	(21")

Feeds:

-Axial way

Maximum range	150,00 mm	(6")
Feed rate	0,1 mm/rev.	(.004"/rev.)
Rapid return motion	1,5 mm/rev.	(.060" per rev.)
Manual adjustment	yes	

- Radial way

Maximum range	60,00 mm	(2.4")
Feed rate low	0,05 mm/rev.	(.002"/rev.)
Feed rate high	0,15 mm/rev.	(.006"/rev.)
Rapid return motion	1,0 mm/rev.	(0.040"/rev.)

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Manual adjustment yes

Mounting Diameters:

- with short mounting arms	min. Ø 400 mm	(16")
	max.Ø 650 mm	(26")
- with long mounting arms	min. Ø 640 mm	(25,6")
	max.Ø 1100 mm	(44")

electric motor 230 V

single phase, 50 Hz

Rotation speed:

motor stage I/gear box stage I 0-11 rpm

motor stage I/gear box stage II 0-22 rpm

motor stage II/gear box stage I 0-35 rpm

motor stage II/gear box stage II 0-70 rpm

Complete machine with accessories and manuals in German and English language will be shipped in a special workshop trolley on rolls.

**SPECIFICATION
SCOPE OF SUPPLY TD-2:**

1 Workshop trolley

including:

- 1 TD-2 machine with drive motor
- 2 Clamping bolts with height- and center adjustment
- 1 Clamping bolt with height adjustment
- 3 mounting columns (short)
- 3 Clamping arm (long)
- 3 Clamping arm (short)
- 1 Tool holder L=approx. 200 mm (8")
- 1 Tool holder L=approx. 300 mm (6")

- 1 Turning bar/base plate P14 L= approx. 320 mm (12,8")
- 1 Turning bar/base plate P12 L= approx. 200 mm (8")
- 1 Turning bar/base plate P11 L= approx. 140 mm (5,6")
- 1 Reception for turning arm
- 1 Tool holder size P01, L= approx. 40 mm (1,6")
- 1 Tool holder size P02, L= approx. 80 mm (3,2")
- 1 Tool holder size P02, L= approx. 120 mm (4,8")
- 1 Tool bit holder T02R
- 1 Tool bit holder T03U
- 2 sets of tool bits HSS/HM

- 3 tension foot
- 1 Dial indicator with rear pin
- 1 Dial indicator (standard)
- 1 Holder and rod for dial indicator
- 1 Handwheel
- 1 Tool holder extention
- 2 special tool for head mounting
- 1 each hexagonal wrench in sizes SW2,5 ,SW3,SW4, SW5,
SW6, SW10, SW13
- 2 each hexagonal wrench in size SW8

- 2 spanner
- 3 stud bolts M20x80
- 3 stud bolts M20x120
- 1 combination wrench in sizes SW10, SW30, SW41
- 1 Oil can
- 1 handlamp
- 1 assortment of screws
- 1 set of manual instructions in English and German language