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# EFCO | NC SERIES



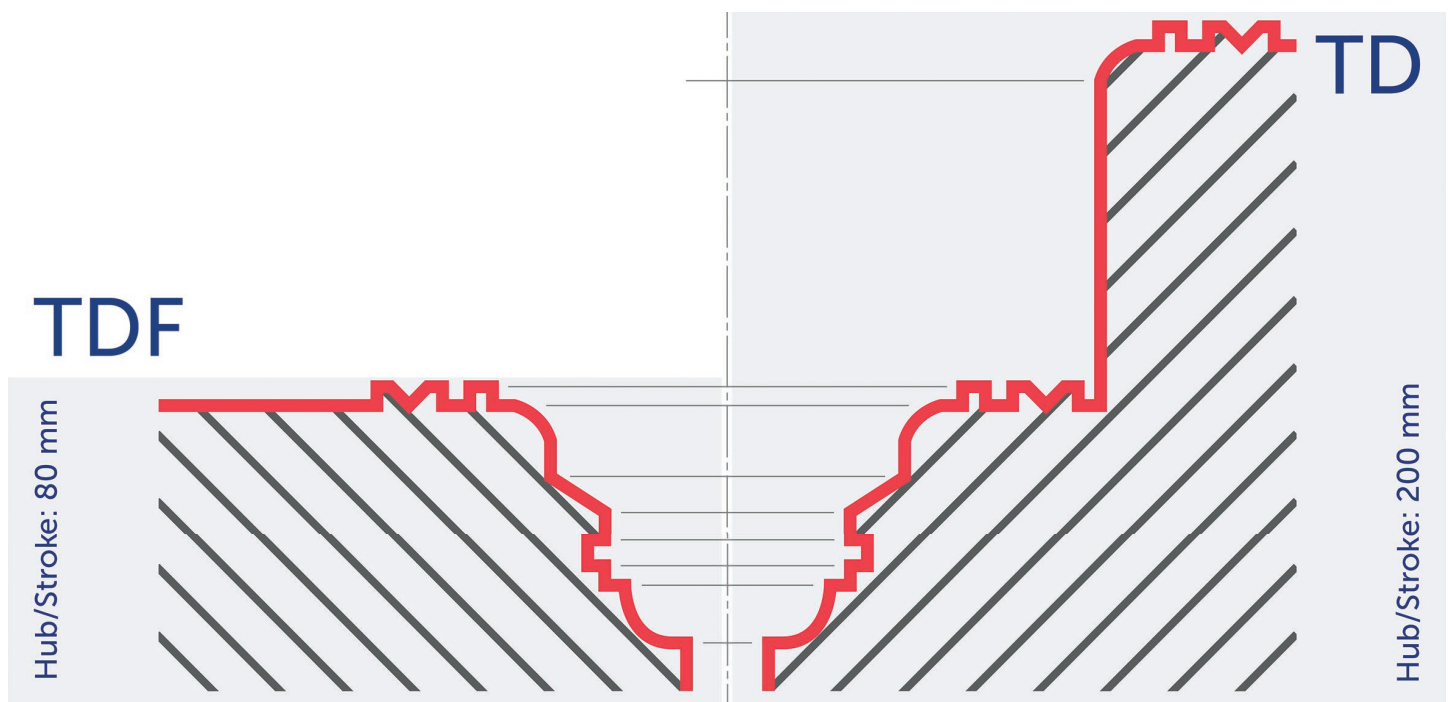
# EFCO | NC SERIES

**T**he lathes in the NC series open up an almost infinite number of surface machining options. We achieve a completely new quality standard in flange and valve seat machining.

Because of the pre-programmed processing cycles, the TDF NC and TD NC special machines are ready for immediate use, and can be operated after just a small amount of instruction and no previous CNC programming knowledge.

Of course, you can also supplement the program package with your own CNC programs.

The comprehensive range of machining options for our portable lathes is impressive. Whereas the machines in the TDF NC series are optimised for machining flanges, the TD NC series is suitable for working on valve seats at an immersion depth of 600 mm or more.



| Machining options with the EFCO NC lathes



# PRE-PROGRAMMED OPERATION

More than 10 standard programs are available for the new NC series, making it possible to perform almost any standard task without needing special previous knowledge of lathe programming. These include:

- Facing,
- Taper turning,
- Radius turning,
- Hole turning,
- Grooving (axial).



| Siemens CNC control panel

## EFCO | TD-2.02 NC

In addition to grooving, hole machining is the other speciality of the TD-2.02 NC. The immersion depth of the machine can be increased beyond 600 mm using optionally available accessories.



| Turning result of a special type valve seat

### | TD-2.02 NC Technical Data\*

Flat machining		0 – 800 mm (0" – 31.5")
Turning Range I	up to 200 mm operation depth	80 – 200 mm (3" – 7.8")
Turning Range II	up to 600 mm operation depth	200 – 600 mm (8" – 23.6")
Turning Range III	up to 400 mm operation depth	600 – 800 mm (23.6" – 31.5")
Feeds	Travel Distance of the X-Axis	60 mm (2.3") max
	Feed (infinitely variable)	0 – 150 mm/min (0" – 6"/min)
	Travel Distance of the Z-Axis	250 mm (9.8")
	Feed (infinitely variable)	0 – 270 mm/min (0" – 10.6"/min)
Clamping Diameter	Short Clamping Arms	400 mm – 650 mm (15.8" – 25.6")
	Long Clamping Arms	640 mm – 1100 mm (25.2" – 47.2")
Power Supply	Electrical	380 V – 480 V/50 – 60 Hz

\* Technical details are subject to change without prior notice.



| EFCO TD-2.02 NC



# EFCO | TDF-2 NC

Like all lathes in the well-tried TD and TDF series, the TDF-2 NC is also designed for chip-removing facing and internal machining of rotationally symmetrical components.

The special strength of the TDF-2 NC is its robust design, which makes it particularly suitable for cutting and machining grooves.

The TDF-2 NC is fixed to the flange using an external clamping system, and the basic version has a large facing head, a main drive, a clamping device and the Z axis for vertical movements.



| Clamped-on TDF-2 NC incl. control panel

## | TDF-2 NC Technical Data\*

Turning Range		500 – 1500 mm (19.7" – 59.1")
Infeeds	Travel Distance of the X-Axis	400 mm (15.8") max.
	Feed (infinitely variable)	0 – 500 mm/min (0" – 19.7")
	Travel Distance of the Z-Axis	80 mm (3.2")
	Feed (infinitely variable)	0 – 69 mm/min (0" – 2.7" min)
Clamping Diameter	Short Clamping Arms	1200 mm – 2600 mm (47.2" – 102.3")
	Power Supply	Electrical 380 V – 480 V/50 – 60 Hz

\* Technical details are subject to change without prior notice.



| Groove machining with the TDF-2 NC

PREMIUM QUALITY & SERVICE  
MADE IN GERMANY | MADE BY EFCO



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