

TSV-250

Grinding and Lapping Machine for safety valves

DN range 20-250 mm (3/4"-10")

The EFCO TSV-250 is a portable grinding and lapping machine with eccentric. It is meant for the machining of surfaces in safety valves.

The machine has two separate drives. One drive operates the grinding spindle, whereas the other drive actuates an opposite motion (eccentric motion).



NEW

Advantages:

- easy handling
- set-up at valves with or without flange is possible
- even (flat) surfaces
- good self-cleaning of the grinding tools
=> extended durability (service life) of the grinding media
- uniform dispersion of lapping paste during lapping procedure
- cross hatch

Technical data TSV-250

DN range	Ø 20-250 mm (3/4" – 10")
max. submerging depth	350 mm (14")
Clamping range of jaw chuck	min. Ø 80 bis max. Ø 400 mm (3" - 16")
Clamping range of machine column	min. Ø 80 bis max. Ø 360 mm (3" - 14")
Rotational speed of grinding spindle	~ 0 - 160 U/min
Rotational speed of eccentric	~ 0 - 480 U/min
Eccentricity	3 mm
Stationary mounting	Machine column
Portable mounting	Jaw chuck
Drive	230/110 V, 50/60 Hz, or pneumatic 6-7 bar

Due to geometry, there are normally higher speeds of the grinding discs at the outside diameter of the seat than at the internal diameter.

The result is a different material removal. The sealing surface inclines downwards.

The use of an eccentric neutralizes the influence of different cutting-speeds. An even (flat) surface is produced.



TSV-250 with jaw chuck
(pneumatic version)

Abrasive- and Lapping Material:

- Self-adhesive grinding media
- EFCOBOR Lapping Paste in grits 80 to 1500

Subject to technical change.

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VALVE REPAIR AND TESTING EQUIPMENT

THE PREMIUM-PRODUCTS – MADE BY EFCO – MADE IN GERMANY