

Tube cutting and bevelling machine type PROTEM® MF-170

Technical Features

Clamping- and machining range	60,3 mm – 168 mm OD (2.37 – 6.6")
Feed	60 mm (2,36")
Rotation	10 – 80 rpm
Weight	~ 180 kg
Drive, electric	380 V, 3 Phasen

Maximum wall thickness for bevelling
C-steel 8 mm (0.3"), Stainless steel 7 mm (0.28")

Technical Advantage:

- Very robust design
- Machine entirely electrically driven
- Facility of use and adjustment
- Concentric clamping with a ratchet spanner
- Wide range of use and wide capacity
- Oversize motor reducer
- Speed regulation of rotation thanks to a mechanical variator
- Automatic advance clutch advances
- Protection housing
- System comb tears off chips
- Tools HSS or carbide inserts



The machine type **MF-Series** has been specially designed to cut and bevel tubes and pipes from 60.3 mm OD to 168 mm OD (2.37 – 6.6") in one operation. Possible bevel angles are 30 and 37.5°. The MF170 works with carbide inserts. The tool holder plate is equipped with two tool carriages. The feed movement is performed automatically. The MF machines are driven electrically, are having a speed regulation and a quick operable concentric clamping system. A safety cover with stop-function protects the operator. These machines are performing repeatable high quality weld preparations on tubes with all type of materials (steel, stainless steel and other alloys).

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Page 1 / 2

According to the operation conditions several options can be integrated:

- Automatic pneumatic clamping system
- Lifting table
- Lubrification system
- Kit for small diameters
- Dual clamping system (recommended for production lines)

References

Order no.	Article	Weight
MF170E	MF170 with electrical drive 1500 W	~ 180 kg
MF170-K01	Wooden crate	
MF170-KitKLD	Kit for diameters from 25,4 mm (1")	
MF170-SAC	Pneumatic clamping	
MF170-MHT	Lifting table, manual	
MF170-TEE	Lifting table, electric	
MF170-EKSS	Electrical lubrication system	
MF170-ODK	Visual speed control	
MF170-PO/D-30	Insert tool holder 30° right	
MF170-PO/G-30	Insert tool holder 30° left	
MF170-PO/D-3730	Insert tool holder 37°30 right	
MF170-PO/G-3730	Insert tool holder 37°30 left	
O-MF-P1-3-H	Cutting blade for MF170	
O-MF-P2-4-H	Tool insert for 30° and 37,5°	
OPT-SPH	Chip Hook	