

PORTABLE TUBE & PIPE BEVELLING · FACING · COUNTERBORING

PBM-4000

MID-RANGE · HIGH TORQUE



PBM-4000

PBM-4000 · electric drive shown

Portable mid-range beveller with high-torque drive — 23 to 104 mm.

The PBM-4000 is a portable, powerful machine for heavy-duty tube and boiler work. A high-torque motor with a modular, ergonomic design keeps it easy to handle while delivering fast, accurate facing, bevelling and weld prep on demanding alloys.

- Self-centering expanding ID mandrel — torque-free clamping
- High-pressure cast-aluminium body, built for continuous duty
- Hardened tool-steel wedge jaws, quick-change across the range
- Facing, bevelling and counterboring in a single setup
- Precision-hardened feed shaft and gearbox, vibration-free
- X-ray-quality prep on stainless, duplex and Inconel — no rework
- High-torque motor for heavy-duty working conditions
- Optional reduced shaft down to 23 mm bores

23 – 104 mm

ID CLAMPING RANGE

143 Nm

MAX TORQUE

from 9.0 kg

NET WEIGHT

40 mm

FEED STROKE

TECHNICAL SPECIFICATIONS

by drive version

SPECIFICATION	ELECTRIC	PNEUMATIC
Clamping range (mm)	23 – 104	23 – 104
Idle speed (rpm)	70	70
Max torque (Nm)	143	140
Feed stroke (mm)	40	40
Motor power	1000 W	1.33 HP
Air pressure (bar)	—	6
Air consumption (cfm)	—	55 – 60
Net weight (kg)	10.0	9.0

CONFIGURATION & TOOLING

LOCKING SYSTEM

Expanding central mandrel + hardened tool-steel jaws · optional reduced shaft (23 → 23–35 mm)

CUTTER HEADS

Standard Ø114 mm (4.48") · specialized POB / PSTWR / PSWR

OVERALL SIZE (A×B×C)

Electric 560 × 450 × 115 mm · Pneumatic 420 × 450 × 115 mm

APPLICATIONS

BOILER TUBES · HEAT EXCHANGERS · CONDENSERS · PETROCHEMICAL · POWER GENERATION · facing · bevelling · counterboring · weld-seal removal

MODEL RANGE

internal-clamping · 20 to 609 mm · 8 models

PBM-1625

20–42 mm

PBM-3000

28–76 mm

PBM-4000

23–104 mm

PBM-4500

39–114 mm

PBM-8000

49–203 mm

PBM-12000

100–306 mm

PBM-18000

102–457 mm

PBM-24000

180–609 mm