

PORTABLE TUBE & PIPE BEVELLING · FACING · COUNTERBORING

PBM-1625

ULTRA-COMPACT BEVELING & FACING

PBM-1625



PBM-1625 · electric drive shown

Ultra-compact ID-clamping beveller for tubes from 20 to 42 mm.

The PBM-1625 is a lightweight, compact machine for facing, bevelling and weld preparation on stainless steel, duplex, Inconel and other alloys. A self-centering expanding mandrel lets one operator prep tube ends safely — a fast, clean alternative to grinding, ideal for heat exchangers and condenser maintenance.

- 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
- Four drive options: electric, pneumatic, Li-ion battery, lever feed
- Single-operator setup in under 2 minutes vs. slow grinding

20 – 42 mm

ID CLAMPING RANGE

45 Nm

MAX TORQUE

from 4.8 kg

NET WEIGHT

< 2 min

SETUP TIME

TECHNICAL SPECIFICATIONS

by drive version

SPECIFICATION	ELECTRIC	PNEUMATIC	LI-ION	LEVER FEED
Clamping range (mm)	20 – 42	20 – 42	20 – 42	12.5 – 42
Idle speed (rpm)	250	235	235	120
Max torque (Nm)	45	29	29	38
Feed stroke (mm)	23	23	23	—
Motor power	850 W	0.58 HP	18 V	0.83 HP
Air pressure (bar)	—	6	—	6
Air consumption (cfm)	—	15 – 18	—	—
Net weight (kg)	5.5	4.8	5.5	4.8

CONFIGURATION & TOOLING

ID MANDRELS (SHAFTS)

12.4 → 12.5–15 mm · 13.9 → 14–18 mm · 16.9 → 17–21 mm · KIT → 12.5–21 mm

CUTTER HEADS

Standard Ø60 mm (2.36") · Optional Ø88 mm (3.46") · specialized J-prep: POB / PSTWR / PSWR

OVERALL SIZE (A×B×C)

Electric 440 × 300 × 67 mm · Pneumatic 400 × 300 × 67 mm

APPLICATIONS

HEAT EXCHANGERS · CONDENSERS · BOILERS · PETROCHEMICAL · POWER GENERATION · SHIPBUILDING · facing · bevelling · counterboring · J-preps · 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