

ID-120 ID MOUNTED PIPE BEVELING MACHINE

PRODUCT INTRODUCTION

The ID120 is a rugged, fast, portable weld end preparation lathe for various tubes including stainless steel and other high chromium alloys. The ID120 Pipe beveling machine is utilized in a wide variety of roles from tube and pipe production to maintenance in power and processing plants. This powerful machine cuts from 1.57" to 4.72" (Ø40 mm to 120 mm) tube and pipe.

KEY FEATURES

- ✓ Cold cutting eliminates thermal effects such as flame cutting to achieve high-quality weld joints.
- ✓ Designed for various tubes materials, including carbon steel, stainless steel and other alloy steel.
- ✓ Variety of tooling options allow you to bevel, counter bore, and perform J-prep.
- ✓ Lightweight, self-centering and easy to operate.
- ✓ Three motor choices, MT electric motor, Bosch electric motor and pneumatic, allowing you the flexibility to power the machine anywhere.



IDE-120



IDP-120



IDB-120

SPECIFICATIONS

Model	IDE-120	IDP-120	IDB-120
Drive type	MT Electric motor	Pneumatic motor	Bosch Electric motor
Power supply	220-240 V, 50/60 Hz	1.3 m³/min @ 0.6 Mpa	220-240 V, 50/60 Hz
Motor power	1.6 Kw (2.15 Hp) / 6A	1.0 Kw (1.34 Hp)	1.0 Kw (1.34 Hp)
Cutting range (ID-OD)	Ø40-120 mm (1.57"-4.72")		
ID mounting range	Ø40-112 mm (1.57" to 4.41")		
Wall Thickness	≤ 20 mm (0.79")		
Feed stroke	25 mm (0.98")		
Rotation speed	37 rpm	68 rpm	38 rpm
Working weight	15.5 Kg	13 Kg	15.5 Kg
Shipping weight	28 Kg	25.5 Kg	28 Kg
Crate dimensions	670×500×220 mm	670×500×220 mm	670×500×220 mm



PACKING LIST

No.	Description	Qty
1	Model ID120 assembly with motor	1
2	Jaw block set	7
3	Metric L-Key 3 mm, 4 mm	2
4	22/24 mm Two-head open-end wrenches	1
5	Facing tool bit	1
6	Beveling tool bit-30°	1
7	Beveling tool bit-37.5°	1
8	Flat head screw, M5×8	3
9	Socket head screw, M5×8	3
10	Socket head screw, M5×12	3
11	Manual	1



JAW BLOCKS & RAMP SETS

Jaw block No.	ID mounting range
None	Ø40-49 mm (1.575" to 1.929")
NO.01	Ø49-58 mm (1.929" to 2.283")
NO.02	Ø58-67 mm (2.283" to 2.638")
NO.03	Ø67-76 mm (2.638" to 2.992")
NO.04	Ø76-85 mm (2.992" to 3.346")
NO.05	Ø85-94 mm (3.346" to 3.701")
NO.06	Ø94-103 mm (3.701" to 4.055")
NO.07	Ø103-112 mm (4.055" to 4.409")



OPTIONAL TOOL BIT

Description	Part number	Application	Sketch
M42 Facing tool 8×22 mm, 0°, Step type	42F-0822S-0°	ID-120, Facing (Step type for small pipe)	
M42 Facing tool 8×22 mm, 0°	42F-0822-0°	ID-120, Facing	
M42 Beveling tool 8×22 mm, 30°, Step type	42B-0822S-30°	ID-120, 30° beveling (Step type for small pipe)	
M42 Beveling tool 8×22 mm, 37.5°, Step type	42B-0822S-37.5°	ID-120, 37.5° beveling (Step type for small pipe)	
M42 Beveling tool 8×22 mm, 30°	42B-0822-30°	ID-120, 30° beveling	
M42 Beveling tool 8×22 mm, 37.5°	42B-0822-37.5°	ID-120, 37.5° beveling	
M42 Inner beveling tool 8×22 mm, 15°, Step type	42IB-0822S-15°	ID-120, 15° inner beveling (Step type for small pipe)	
M42 Inner beveling tool 8×22 mm, 15°	42IB-0822-15°	ID-120, 15° inner beveling	
M42 Inner beveling tool 8×22 mm, 30°	42IB-0822-30°	ID-120, 30° inner beveling	

① Contact MT staff for special tool bit solutions.