



Mactech Europe Ltd

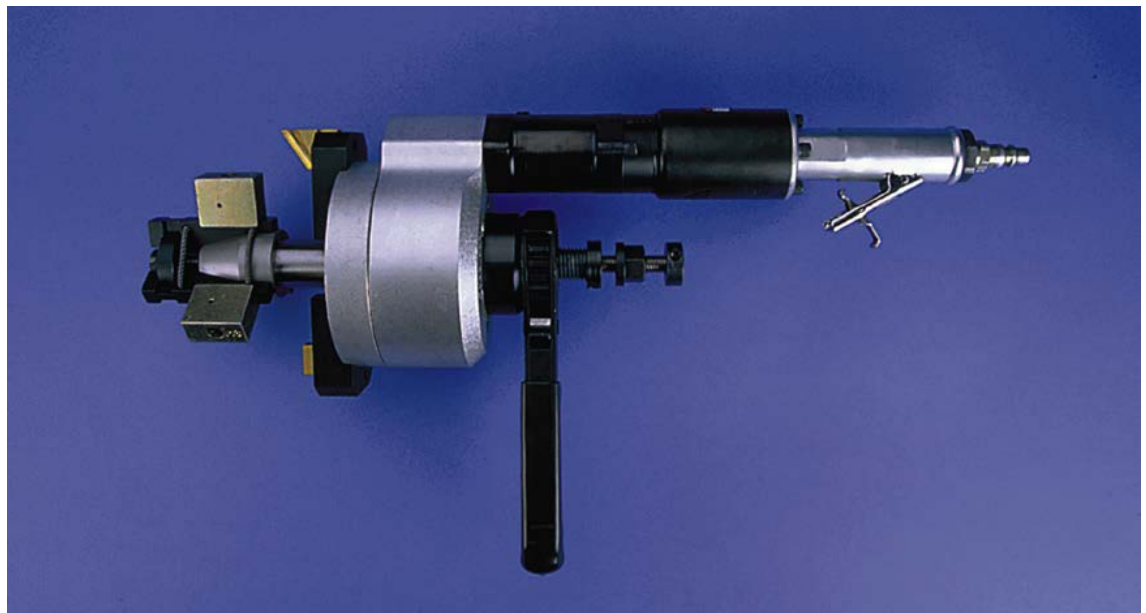
Mini EPL



ID Clamping End Prep Tool 1.25" (31.8mm) ID to 6.625" (168.3mm) OD

Rugged, Fast, and Reliable

Mactech Mini Series end prep tools are the most ruggedly built and efficiently designed tools available today for milling heavy wall pipe and tube from 1.25" ID to 6.625" OD. Rigidly mounting to the ID by a draw rod clamping assembly which centres the tool automatically, they utilise a ratchet mechanism for feeding the cutter head. Featuring titanium nitride coated cutter blades for smooth milling, they produce a clean, continuous chip and square off the end of the pipe or tube without requiring cutting oils.



Key Features

- Tool rigidly mounts to pipe or tube ID
- Self-centering draw rod assembly
- Single gear drive system for optimum performance
- One mandrel covers majority of the cutting range
- Cutter blade locking design eliminates chatter
- Cutter blades index easily for proper set up
- Pneumatically powered with torque-free operation
- Removes tube stub welds and prepares the header
- Automatically squares off the end of pipe or tube



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ID Clamping End Prep Tool (model D-418) 1.25" (31.8mm) ID to 6.625" (168.3mm) OD





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Mactech Mini EPL Clamp Rib and Pad Selector

Item	Description	ID Range (in.)	ID Range(mm)	Mandrel Size
IH-01	Clamp rib set	1.250–1.600	31.8–40.6	1-1/4" (31.8mm)
H-02	Clamp rib set	1.525–1.925	38.8–48.9	1-1/4" (31.8mm)
M-01	Clamp rib set	1.800–2.270	45.8–57.6	1.800" (45.8mm)
M-02	Clamp rib set	2.240–2.695	56.9–68.4	1.800" (45.8mm)
M-03	Clamp rib set	2.665–3.120	67.7–79.2	1.800" (45.8mm)
M-04	Clamp rib set	3.050–3.500	77.4–88.9	1.800" (45.8mm)
M-02 & M-05	Clamp rib & pad set	3.415–3.865	86.7–98.1	1.800" (45.8mm)
M-03 & M-05	Clamp rib & pad set	3.780–4.230	96.0–107.4	1.800" (45.8mm)

Specifications*

Working Range	1-1/4" (31.8 mm) ID to 6-5/8" (168.3 mm) OD
Motor, pneumatic	1-1/4 hp (.9325 kw)
Air Pressure	90 psi (6.2 bar)
Air Volume	40 cfm (1133 lt/min.)
Speed	34 RPM
Minimum Clearance	5-1/4" (133.3 mm)
Head Length	13" (330.2 mm)
Working Weight	25 lbs (11.33 kg)
Shipping Weight	65 lbs (29.5 kg)
Shipping Dimensions	21" x 18" x 7" (533 mm x 457 mm x 178 mm)

*Manufacturer reserves the right to change specifications without notice.

Ordering Information

M-200 Mactech Mini EPL tool kit for 1.8" ID to 6.625" OD

Kit Includes:

Motor assembly
 Feed mechanism
 Blade block, 6.625" w/wedges
 Draw rod & wrench
 Clamp ribs and/or pads, choice of (2)
 Hose, 1/2" w/filter, oiler, ball valve & 3/8" coupler
 Carrying case
 Allen wrench set
 Operating and maintenance instructions

M-300 Mactech Mini EPL tool kit for 1.8" ID to 6.625" OD

Kit Includes:

Motor assembly
 Feed mechanism
 Blade block, 6.625" w/wedges
 Draw rod & wrench
 Clamp rib sets M1–M5, M8 & M11
 Hose, 1/2" w/filter, oiler, ball valve & 3/8" coupler
 Carrying case
 Allen wrench set
 Operating and maintenance instructions

M-240 Mandrel kit, 1-1/4" for 1.25" ID to 1.925" ID

Kit Includes:

Mandrel, 1.250" w/feed stop
 Clamp rib set, 1.25"–1.6"
 Clamp rib set, 1.525"–1.925"
 Draw rod, 1-1/4"
 Actuator

Part No.

Part No.	Spares for clamp ribs
H-11	Actuator, roll pin
H-12	Actuator, 1.250"
H-14B	Spring, clamp rib H1–H4
M-46	Actuator, 1.8"
M-47	Actuator, roll pin 1.8"
M-52	Spring, clamp rib M1–M4

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