



Mactech Ground EPL

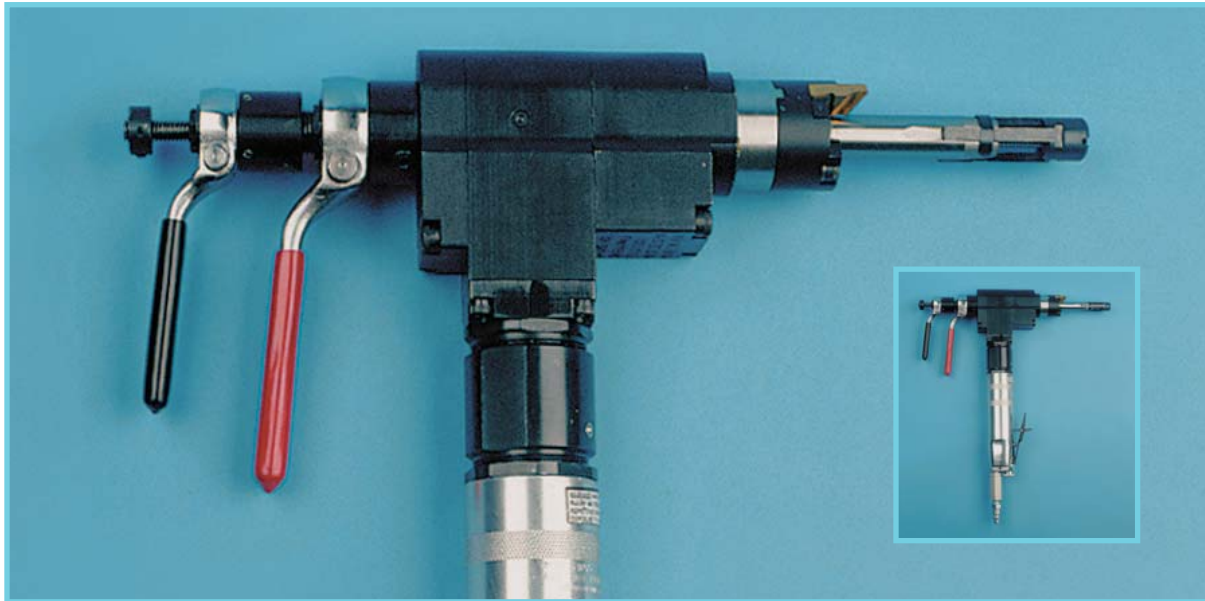
Right Angle ID Clamping End Prep Tool

0.5" (12.7mm) ID to 2.25" (57.15mm) OD



Overview

The Mactech Ground EPL is a right angle, ID clamping end prep tool for small diameter boiler tubes and pipes. Featuring a push-pull clamp and release mechanism with permanently attached clamps and wrenches, this self-centering tool performs any angle of bevel and produces a smooth continuous chip. Eliminating the possibility of loose parts falling down the tubes, this high performance tool utilizes a wedge-style blade lock system and TiN coated blades for chatter-free beveling.

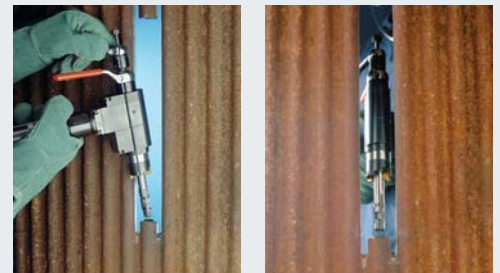


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Key Features

- Push-pull clamping and release system
- Self-centering torque-free operation
- Permanently attached clamps and wrenches
- Rigidly mounts to tube ID, easy to release
- Sealed construction allows use in any orientation
- Produces a smooth, continuous chip
- Compact, low-maintenance end prep tool
- Performs any angle of bevel
- Steel housing with integral radial-thrust ball bearing
- Chatter-free cutter blade locking design
- Uses TiN coated cutter blades



In Action

Totally sealed construction allows use in any orientation and the Mactech Ground EPL only requires a 1.5" clearance, making it ideal for prepping tubes ranging from 0.5" ID to 2.25" OD with walls up to 0.5" thick.

The Mactech Ground EPL is shipped complete with everything including cutterhead, clamping ribs, air hose with quick-connect couplings, lubricator, filter, operating instructions, and a rugged metal carrying case.





Mactech Ground EPL Clamp Rib Selector

Item No.	Description	ID Range (in.)	ID Range (mm)	Mandrel
G-01	Clamp rib set	.500 – .655	12.7 – 16.6	1/2" (12.7 mm)
G-02	Clamp rib set	.625 – .780	15.9 – 19.8	5/8" (15.9 mm)
G-03	Clamp rib set	.750 – .905	19.1 – 22.9	5/8" (15.9 mm)
G-04	Clamp rib set	.875 – 1.030	22.3 – 26.1	5/8" (15.9 mm)
G-05	Clamp rib set	1.00 – 1.155	25.4 – 29.3	5/8" (15.9 mm)
G-06	Clamp rib set	1.125 – 1.280	28.6 – 32.5	5/8" (15.9 mm)
G-07	Clamp rib set	1.250 – 1.405	31.8 – 35.6	5/8" (15.9 mm)
G-08	Clamp rib set	1.375 – 1.530	35.0 – 38.8	5/8" (15.9 mm)
G-09	Clamp rib set	1.500 – 1.655	38.1 – 42.0	5/8" (15.9 mm)
G-10	Clamp rib set	1.625 – 1.780	41.3 – 45.2	5/8" (15.9 mm)
G-11	Clamp rib set	1.750 – 1.905	44.5 – 48.3	5/8" (15.9 mm)
G-12	Clamp rib set	1.875 – 2.030	47.7 – 51.5	5/8" (15.9 mm)
G-13	Clamp rib set	2.000 – 2.155	51.0 – 54.7	5/8" (15.9 mm)

Specifications*

Working Range	1/2" (12.7 mm) ID to 2-1/4" (57.15 mm) OD
Motor, pneumatic	2/3 hp (.497 kw)
Air Pressure	90 psi (6.2 bar)
Air Volume	25 cfm (708 lt/min.)
Speed	200 RPM
Minimum Clearance	1-1/2" (38.1 mm)
Head Length	14" (355.6 mm)
Working Weight	9 lbs (4.1 kg)
Shipping Weight	40 lbs (18.2 kg)
Shipping Dimensions	20" x 18" x 5" (508 mm x 457 mm x 127 mm)

*Manufacturer reserves the right to change specifications without notice.

Ordering Information

G-175 Mandrel kit, 1/2" for 1/2" ID to .655" ID

Kit Includes:

Clamp rib set .500" to .655"
 1/2" push pull rod & actuator
 Mandrel, 1/2"
 Cutterhead, 1-1/2" for 1/2" mandrel

G-200 Ground EPL Tool Kit for 5/8" ID to 2-1/4" OD

Kit Includes:

Motor, gear drive assembly
 Draw rod
 Mandrel .625"
 (1) cutterhead, specify size
 (1) clamp rib set, specify size
 Hose, 1/2" w/filter, oiler & 3/8" coupler
 Carrying case
 Allen wrench set
 Operating instructions

G-300 Ground EPL Tool Kit for 5/8" ID to 2-1/4" OD

Kit Includes:

Motor, gear drive assembly
 Draw rod

Mandrel .625"

Cutterhead, 2-1/4"
 Hose, 1/2" w/filter, oiler & 3/8" coupler
 Clamp ribs (G-02 through G-13)
 Cutterhead, 1-1/2"
 Carrying case
 Allen wrench set
 Operating instructions

Part No. Spare

G-14	Spring for G-04 through G-11 ribs
G-14C	Band for G3 clamp ribs
G-14D	Band for G1 & G2 clamp ribs
G-15	Actuator roll pin .625" & .750"
G-15A	Actuator roll pin .500"
G-16	Actuator for G-02, .625" ID
G-17	Actuator for G-03 & up, .750" ID
G-17A	Actuator for G-01, .500" ID
G-206	Cutterhead, 1-1/2" for 1/2" mandrel
G-23	Cutterhead, 1-1/2" for 5/8" mandrel
G-24	Cutterhead, 2" for 5/8" mandrel
G-25	Cutterhead, 2-1/4" for 5/8" mandrel

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