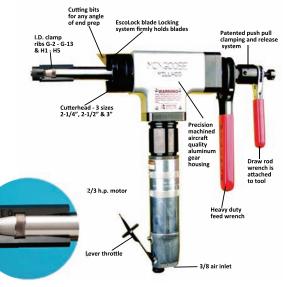
MILLHOG

Right Angle I.D. Clamping End Prep Tool Operating Range 5/8" I.D. to 3" O.D. 15.9 mm to 76.2 mm

Key Features

- Bevels, faces and bores stainless steel and other highly alloyed tubing
- Patented, self-centering, push-pull clamp and release mechanism has permanently attached wrenches
- Only 2-1/4" wide
- Rugged with torque-free operation
- Powerful pneumatic motor needs only 25 CFM air flow
- Produces a thick chip without cutting oils
- Easy-to-change mandrels
- EscoLock[™] blade locking system

Available in three styles; Standard Air Clamp High Torque Slow Speed



The new improved G Series Retention Band for G-01A, G-02A & G-03A Clamp Ribs is captured within the Clamp Ribs is extremely durable, will not slip off and is unaffected by repetitive cycling.

Rugged, fast, and field-proven

The ESCO "Mongoose" MILLHOG®, is a lightweight, small diameter end prep tool for beveling tubes from 5/8" I.D. to 3" O.D. Featuring a patented push-pull clamp and release mechanism, it allows the clamps to release from a tube as easily as they tighten. Ideal for performing bevel facing and boring on a wide range of tube and pipe alloys, the Mongoose has dual opposed tapered roller bearings and employs the rigid EscoLock™ blade locking system to provide chatter-free performance and produce a thick chip without cutting fluids.

Available with 5/8" and 3/4" mandrels and a 1-1/4" wedge, every Mongoose includes attached heavy-duty mandrel wrenches for centering and securing the tool to the I.D. The 1-1/4" wedge attaches to the 3/4" mandrel and uses the H series Wart MILLHOG® clamp ribs with nearly 1/2" expansion, making it easy to clamp-up and release while requiring a minimum of ribs to cover a range of 1.375" i.d. to 3" o.d.

Standard





The Standard Mongoose is ideal for end prepping all boiler tube materials and is only 2.25° wide for accessing single tubes in a boiler tube waterwall. It can also be equipped with a membrane removal head for removing membrane from boiler tubes.

by eliminating the tedious and time consuming

task of manual clamping





Mongoose Standard Kit includes:

Gear Head, 1-1/14 Pneumatic HP Motor, Draw Rod Assembly, .750in Mandrel (.625in Mandrel may be substituted; consult factory), Hose with couplings, dirt stopper and oiler, and Carrying Case.





MILLHOG

High Torque Slow Speed



The High Torque Mongoose is equipped with a powerful 1.25 hp Slow Speed motor. Its narrow 2.25' wide gear head and wide range of mandrels make it ideal for removing boiler tube Membrane as well as Overlay from 1.187' i.d. to 2.00' i.d.





Mongoose High Torque Slow Speed Kit includes:

Gear Head, 1-1/14 Pneumatic HP Motor, Draw Rod Assembly, .750in Mandrel (.625in Mandrel may be substituted; consult factory), Hose with couplings, dirt stopper and oiler, and Carrying Case.

Mongoose Clamp Rib Selector and corresponding spares

Mandrel, Draw Rod, Actuator, Retention Band and Springs

Clamp	I.D. Range				Mandrel	Draw	A-4	Roll	Retention		
Set	in		mm		Part #	Size	Rod	Actuator	Pin	Band	Spring
G-02A	.625	.780	15.9	19.8	MG-38A	.625	MG-16	MG-01A	MG-14	G-14F	
G-03A	.750	.905	19.1	22.9	MG-38	.750	MG-16	MG-01	MG-14	G-14F	
G-04	.875	1.030	22.3	26.1	MG-38	.750	MG-16	MG-01	MG-14		G-14
G-05	1.000	1.155	25.4	29.3	MG-38	.750	MG-16	MG-01	MG-14		G-14
G-06	1.125	1.280	28.6	32.5	MG-38	.750	MG-16	MG-01	MG-14		G-14
G-07	1.250	1.405	31.8	35.6	MG-38	.750	MG-16	MG-01	MG-14		G-14
G-08	1.375	1.530	35.0	38.8	MG-38	.750	MG-16	MG-01	MG-14		G-14
G-09	1.500	1.655	38.1	42.0	MG-38	.750	MG-16	MG-01	MG-14		G-14
G-10	1.625	1.780	41.3	45.2	MG-38	.750	MG-16	MG-01	MG-14		G-14
G-11	1.750	1.905	44.5	48.3	MG-38	.750	MG-16	MG-01	MG-14		G-14
G-12	1.875	2.030	47.7	51.5	MG-38	.750	MG-16	MG-01	MG-14		G-14
G-13	2.000	2.155	51.0	54.7	MG-38	.750	MG-16	MG-01	MG-14		G-14
H-01	1.375	1.600	34.9	40.6	MG-38 & MG-59	.750	MG-16	MG-58	MG-57		H-14B
H-02	1.525	1.925	28.8	48.9	MG-38 & MG-59	.750	MG-16	MG-58	MG-57		H-14B
H-03	1.850	2.250	47.0	57.2	MG-38 & MG-59	.750	MG-16	MG-58	MG-57		H-14B
H-04	2.175	2.575	55.3	65.4	MG-38 & MG-59	.750	MG-16	MG-58	MG-57		H-14B
H-05	2.500	2.900	63.5	73.7	Attaches to H-02						



Mongoose H Series Wedge Clamps

The H Series Wedge Kit maximizes the top end range of the Mongoose with the proven stability of the H Series Clamps that are also used on the Tube Weasel, Wart and Mini. Featuring a wedge that attaches to the .75" Mandrel it attains a range of 1.375in to 2.900in with only (5) sets of Clamps.

Specifications

Working Range: .625" (15.9 mm) I.D. to 3" (76.2 mm) O.D Motor, pneumatic 2/3 h.p. (.497 kw) 90 psi.(6.2 bar) 25 cfm (708 lt/min.) 200 RPM Air Pressure Air Volume Speed Minimum Clearance 2-1/4" (57.2 mm) 15" (381 mm) Head Length Working Weight 13 lbs. (5.9 kg) 30 lbs. (14 kg) Shipping Weight Shipping Dimensions 20" x 18" x 5 (508 mm x 457 mm x 127 mm) Membrane Removal Heads For the Mongoose Std and Mongoose High Torque Slow Speed

ds Overlay Removal Heads ngoose For the Mongoose High Torque Slow Speed

	Membrane Head Size Part #		Base Head	Inserts		II		erlay ead	Base Head	Inserts	
			Part#	Part #	Qty	I	Size	Part #	Part#	Part #	Qty
	1.187	MO-103	MGB-103	MRB-8	4	П	1.187	MO-203	MGB-103	MRB-8	4
	1.250	MO-104	MGB-104	MRB-8	4	Ш	1.250	MO-204	MGB-104	MRB-8	4
	1.375	MO-105	MGB-106	MRB-8	4	Ш	1.375	MO-205	MGB-106	MRB-8	4
	1.500	MO-106	MGB-106	MRB-8	5	Ш	1.500	MO-206	MGB-106	MRB-8	5
	1.625	MO-107	MGB-106	MRB-8	5	Ш	1.625	MO-207	MGB-106	MRB-8	5
	1.750	MO-108	MGB-106	MRB-8	5	Ш	1.750	MO-208	MGB-106	MRB-8	5
	2.000	MO-109	MGB-106	MRB-8	6	IL	2.000	MO-209	MGB-106	MRB-8	6

(also removes membrane)

Mongoose Cutterhead Blade Lock and Screws

Cutterh	ead	Mandi	el	Blade	Lock	Lock Screw		
Part #	Size	Part #	Size	Part #	Per Head	Part #	Per Lock	
MG-28C	2.250	MG-38A	.625	MG-25	3	MG-24	1	
MG-28	2.250	MG-38	.750	MG-25A	3	MG-24	1	
MG-28A	2.500	MG-38	.750	MG-25A	6	MG-24	1	
MG-28B	3.000	MG-38	.750	MG-25B	6	MG-24	1	

Manufacturer reserves the right to change specifications without notice.

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