

High Speed MILLHOG®

Model HHB-5000
Model HHB-10000
Model HHB-5000RA
Model HHB-10000RA

Straight-Thru, Track Mountable, and Right Angle Models available

Key Features

- Bevels tubes in seconds
- HandHeldorTrackMountablewithadjustabledepthstop ensures uniform beveled tube ends
- Pilotautomaticallylocatesandcenterstoolonpipeortubel.D.
- No clamping and no torque reaction to operator
- Cutterbladeshavemultiplecuttingedgesandrequirenofluids
- Straight thru and right angle models
- Tooling is interchangeable with all High Speed models
- Fast, accurate and easy to use
- Field proven, tough and boilermaker approved

No Clamping Required

MILLHOG® High speed tube bevelers feature a pilot locating system that automatically centers the tool on the tube. Simple to operate, just insert the pilot into the I.D., squeeze the throttle and finish your end prep completely in as fast as 3 seconds. The high speed cutting action creates no reaction torque, even if the tool is stalled.

Straight-Thru and Right Angle Models

The straight-thru models can be hand-held or used with the Track Chassis and Post Assembly. With this option bevel height is controlled with head adjustable depth stop and ensures all bevels are exactly the same height, saving valuable fit-up time. Right angle models are ideal for applications with height restrictions.



High Speed Bevelers bevel tubes in seconds, no clamping required, the pilot locates and centers the tool on the tube I.D.



The Track Chassis and Post Assembly's adjustable depth stop ensures all tubes are beveled to the same height.



Right angle models fit limited access areas.



The boiler tube panel saw works on the same track as the straight-thru models.



Cutterheads hold the carbide cutter inserts and pilot and can be changed as needed for various tube and pipe sizes.

Cutterheads

Cutterhead Part #	Size		O.D. Dimension		Max. Tube O.D.		Min Tube I.D		Insert Size
	in	mm	in	mm	in	mm	in	mm	
1050-01	1.250	31.76	1.600	40.64	1.250	31.76	.450	11.43	.500
1050-02	1.500	38.10	1.850	47.00	1.500	38.10	.700	17.78	.500
1050-03	1.750	44.45	2.100	53.34	1.750	44.45	.700	17.78	.625
1050-04	2.000	50.80	2.350	59.69	2.000	50.80	.950	24.13	.625
1050-05	2.250	57.15	2.600	66.04	2.250	57.15	1.200	30.48	.625
1050-06	2.500	63.50	2.850	72.39	2.500	63.50	1.450	36.83	.625
1050-07	2.750	69.85	3.100	78.74	2.750	69.85	1.700	43.18	.625
1050-08	3.000	76.20	3.350	85.09	3.000	76.20	1.950	49.53	.625
1050-09	3.250	82.55	3.600	91.44	3.250	82.55	2.200	55.88	.625
1050-10	3.500	88.90	3.850	97.79	3.500	88.90	2.450	62.23	.625
1050-11	3.750	95.25	4.100	104.14	3.750	95.25	2.700	68.58	.625
1050-12	4.000	101.60	4.350	110.49	4.000	101.60	2.950	74.93	.625



HHB-5000RA Right Angle



HHB-10000RA Right Angle



HHB-5000 Straight-Thru



HHB-10000 Straight-Thru

Specifications: High Speed MILLHOG®

	HHB-5000	HHB-5000RA	HHB-10000	HHB-10000RA
Working Range	.450in (11.43 mm)	.450in (11.43 mm)	.450in (11.43 mm)	.450in (11.43 mm)
to	2.250in (57.15 mm)	2.250in (57.15 mm)	4.00in (11.43 mm)	4.00in (11.43 mm)
Motor, pneumatic	1.5 hp (1118.55 W)	1.5 hp (1118.55 W)	3 hp (2237 W)	3 hp (2237 W)
Air Pressure	91 psi (6.2 bar)	91 psi (6.2 bar)	91 psi (6.2 bar)	91 psi (6.2 bar)
Air Volume	50 cfm (1416 lt/min)	50 cfm (1416 lt/min)	80 cfm (2265 lt/min)	80 cfm (2265 lt/min)
Speed	5,000 rpm	5,000 rpm	10,000 rpm	10,000 rpm
Clearance	1.5in (38.1 mm)	1.9in (48.26 mm)	2.125in (54 mm)	2.5in (63.5 mm)
Working weight	9 lbs (4.1 kg)	8 lbs (3.63 kg)	14 lbs (6.4 kg)	13 lbs (5.9 kg)
Shipping weight	40 lbs (18.2 kg)	40 lbs (18.2 kg)	45 lbs (20.4 kg)	45 lbs (20.4 kg)
Track mountable	yes	no	yes	no
Shipping Dimensions	27in x 18in x 7in (666 mm x 457 mm x 177 mm)			



Pilots center the tool and keep it square to the tube. A properly sized pilot is .015" to .030" under the tube I.D. This tolerance ensures smooth operation, long blade life and chatter free bevels.



Carbide cutter inserts are available with two or four cutting edges and in two sizes.

FIN MILLHOG®

Right Angle I.D. Clamping
Boiler Tube Fin Removal Tool
1.25" I.D. to 2.5" 63.5 mm O.D.
31.8 mm I.D. to 63.5 mm O.D.

Eliminates chipping hammers and saves time

Key Features

- Removes 4.0" (101 mm) depth of fin from the tube O.D. in less than 2 minutes
- Standard working range of 1.25" to 2.5" O.D.
- Heavy duty rack and pinion feed mechanism assures smooth operation for greater fin removal control
- Rigidly clamps to the tube I.D.
- Works in any orientation
- Easy to operate and no reaction torque to operator
- No cutting fluid is required
- Saves a lot of time by eliminating chipping and grinding

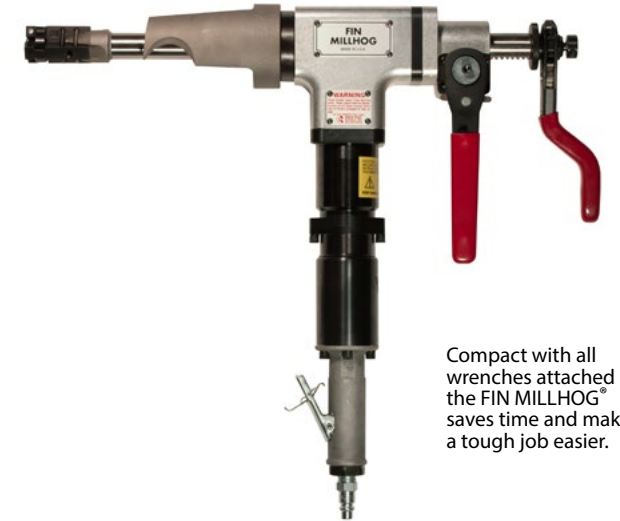
Patented tool removes 4.0" of fin from the tube O.D. in minutes

The FINMILLHOG® tube fin removal tool clamps to the tube I.D. and features a patented cutter blade which separates fin from tube O.D. Forget about chipping hammers and grinders! This tool removes 4.0" (101 mm) of fin from a tube O.D. in under 2 minutes and is a real time saver.

Easy to operate, the FIN MILLHOG® is operator friendly and has its wrenches conveniently attached for maximum efficiency. Once the tool is attached to the tube I.D. and the power is activated, the operator advances the rotating cutter and engages the spirally wound fin until the desired amount of fin is removed. The quick action of the rack and pinion feed allows the operator to disengage the feed and clear the separated fin from the cutter quickly.



Removes spirally wound fin from tube O.D. The patented cutter requires no cutting fluids and can be resharpened.



Compact with all wrenches attached the FIN MILLHOG® saves time and makes a tough job easier.



Left Hand Wound Fin.



4.0" (101 mm) depth of fin is removed and tube is ready for beveling.



Right Hand Wound Fin

Specifications: FIN MILLHOG®

	1.25in (31.8 mm) I.D. to 2.5in (63.5 mm) O.D.	
Working Range	1.25in (31.8 mm) I.D. to 2.5in (63.5 mm) O.D.	
Motor	Pneumatic	Electric - consult factory
	1.25 hp (.932 kW)	120 V 8.5 A 50/60 Hz 950 W, or
	90 psi (6.2 bar)	220 - 240 V 4.4 A 50/60 Hz 950 W
	40 cfm (990 lt/min)	
Speed	98 rpm	55 rpm - 88 rpm
Minimum Clearance	2.625in (66.68 mm)	2.625in (66.68 mm)
Head Length	20in (508 mm)	20in (508 mm)
Working Weight	21.5 lbs (9.75 kg)	22.6 lbs (10.25 kg)
Shipping Weight	55 lbs (25 kg)	60 lbs (27.3 kg)
Shipping Dimensions	(24in x 20in x 6in)	(24in x 20in x 7in)
	(610 mm x 508 mm x 152 mm)	(610 mm x 508 mm x 178 mm)

U.S. patents 7,305,746 & 7,774,909



The FIN MILLHOG® rack and pinion feed has a 4.0" of stroke that allows the operator to quickly engage and disengage the cutter for clearing separated fin from the work area.