

Air Powered Boiler Saw

MILLHOG®

Standard APS-438
Low Profile APS-438LP

ESCO APS Air Powered Boiler Saws and accessories cut boiler tube panels, boiler tube membrane and pendant tubes. They also squarely cut pipe, concrete pilings and storage tanks.

Key Features

- Provides clean, accurate, straight cuts with no "HAZ" (Heat Affect Zone) when cutting boiler tube panels
- Easy to set up and operate
- Cuts tough materials with a high percentage of chrome and tubes with overlay or cladding
- Glides smoothly on easy to install EscoTrack for boiler tube panel cutting
- Rotates easily for membrane removal
- Eliminates rework and grinding before beveling
- Powerful 3 hp pneumatic motor operates on 90 psi shop air and uses only 80 cfm
- Ergonomic design provides optimum balance of speed and torque
- Ideal for many applications requiring straight and accurate cuts

Boilermaker Tough and Field Proven

The MILLHOG® Air Powered boiler tube panel saw effortlessly glides along the 5 foot steel EscoTrack System that attaches to a boiler tube panel section using weld tabs. The saw's powerful pneumatic motor and proprietary reinforced fiberglass abrasive saw blade cut all boiler tube alloy efficiently and makes both horizontal and vertical cuts. After completing a horizontal cut, simply remove the saw, rotate it 90° and reinstall it on the track. For even faster membrane removal, use the membrane removal bracket and available 0.250" (6.35 mm) or 0.375" (9.53 mm) membrane removal blades.

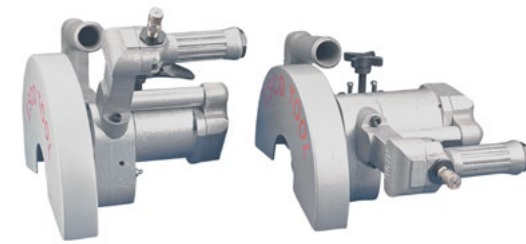
Combining a MILLHOG® tube beveling tool equipped with a membrane or membrane and overlay (cladding) removal head, the tube end prep and its O.D. are quickly and economically prepared for welding.



The Standard APS can also achieve perfect cuts on contoured and cylindrical structures, steel plate and pipe from 6.0" to 60.0" with available accessories.

Specifications: Air Powered Boiler Saw

	APS-438 Standard	APS-438LP Low Profile
Motor	3 hp (2237 W)	3 hp (2237 W)
Air Pressure	90 psi (6.2 bar)	90 psi (6.2 bar)
Air Volume	80 cfm (2265 lt/min)	80 cfm (2265 lt/min)
Speed	5050 rpm	5050 rpm
Radial Clearance	13.5in (343 mm) with 12in blade fully plunged into tube	7.5in (191 mm) with 10in blade fully plunged into tube
Cut Depth	4.375in (111.13 mm)	3.375in (85.7 mm)
Working Weight	28 lbs (12.7 kg)	28.5 lbs (13 kg)
Shipping Weight	65 lbs (29.5 kg)	65 lbs (29.5 kg)
Track 5 ft (1,524 mm)	19 lbs (9 kg)	19 lbs (9 kg)
	19in (483 mm)	19in (483 mm)
Shipping Dimensions	27in x 15in x 11in	27in x 15in x 11in
	686 mm x 381 mm x 254 mm	686 mm x 381 mm x 254 mm
Track	66in x 3in (1676 mm x 77 mm)	66in x 3in (1676 mm x 77 mm)



The Standard and Low Profile Boiler Tube Panel Saws



APS-438 Standard Boiler Tube Panel Saw



APS-438LP Low Profile Boiler Tube Panel Saw

Designed for cutting pendant tube panels in tight spaces using the EscoTrack System, this model requires a 7.5" (191 mm) clearance.

The HHB series of boiler tube bevelers can use the same track set-up as the APS panel cutting saws.

Air Powered Boiler Saw

MILLHOG®

Standard APS-438
Low Profile APS-438LP
Membrane Bracket, Quick Clamp
Chain Mount Tabs, Track Connector
Vertical Track Attachment, Blades, Accessories

Membrane Bracket



The Membrane Bracket slides onto the standard track and the APS-438 Standard or APS-438LRC is mounted for quickly removing membrane from between tubes. The Membrane Bracket Track can be set up in two different positions.

Quick Clamp



The Quick Clamp attaches to the standard track and securely grips the boiler tube panel for making perfectly square cuts.

The Quick Clamp attaches the standard track to the panel without tack welding and is a popular option for working on boiler tube panels before installation.

Chain Mount Tab



Track Connector



Straight track can be mounted in numerous cutting positions and sections can be joined using the Track Connector. The flex track works on warped boiler tube panels and is useful for many other applications that include contour and serpentine surfaces.

Vertical Track Alignment



The APS-438 Saw moves up and down on the Vertical Track Attachment for cutting membrane from between boiler tubes and the attachment can be slid horizontal on the standard track for precise alignment. Two brakes, one on the APS-438 Saw and one on the Vertical Track Attachment enable secure and stable cutting.

Cut-Off Blades and Membrane Removal Blades

Saw blades are available in a variety of widths and diameters and made to cut a wide range of material from super duplex to concrete lined ductile iron pipe to boiler tubes with inconel overlay.



Air Powered Saws Depth of Cut for Boiler Tube Panels

Boiler Tube Panel	APS-438 w/5' Track and 12in Cut-Off Blade
4.375in (111.1 mm) Max cut depth	APS-438LP Low Profile w/5' Track and 10in Cut-Off Blade
2.375in (60.33 mm) Max cut depth	
Flex Track	
Tanks, serpentine surfaces	
4.0in (101.6 mm) Max cut Depth	APS-438 w/6 (ft) Flex track and 12in Cut-Off Blade