



PERMALIGN XP CUTTING HEAD

The Permalign xP Cutting Head combined with the OmniJet xP achieves ultimate performance and reliability for abrasivejet cutting. This patented design reduces the number of components, minimizing overall maintenance and operational costs. The Permalign xP entrains dry abrasive into the high velocity water stream within the mixing chamber. The resulting mixture exits through the nozzle as a high velocity, coherent abrasivejet stream capable of cutting virtually any material.

The Permalign xP Cutting Head, when used with the OmniJet xP, is rated for pressures up to 75,000 psi (5170 bar), orifice sizes ranging from 0.003–0.023 in, and nozzle sizes from 0.020–0.065 in ID. This flexibility allows handling of small intricate cuts as well as thick cuts requiring higher abrasive and water flow rates. Nozzles constructed of either extended-life composite carbide or tungsten carbide are available.

Consistent Alignment

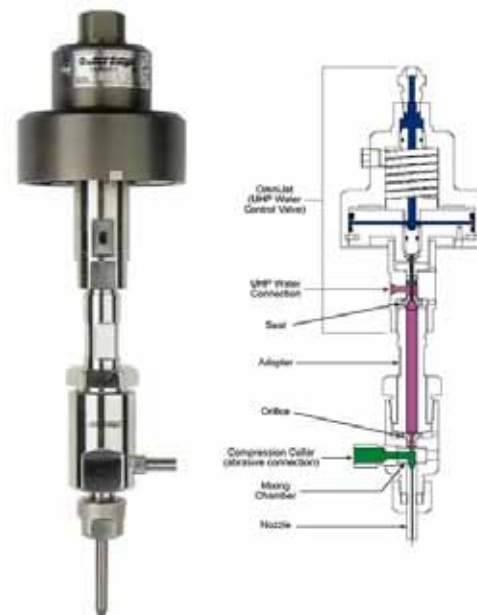
The design of the Permalign xP Cutting Head ensures consistent alignment of the water stream and abrasive nozzle without additional adjustments. The fixed location of the orifice and nozzle provides a consistent tool center point for the cutting stream.

Superior Performance

Orifice and nozzle replacement requires no additional adjustments and provides for superior stream alignment. The Permalign xP Cutting Head along with the OmniJet xP offers a lightweight, compact and versatile solution to your abrasivejet cutting needs.

Specifications

• Length	10 in (254 mm) to 14 in (356 mm)
• Weight	4 lb (1.8 kg)
• Operating air pressure minimum	80-90 psi (5.5–6.2 bar)
• Water pressure maximum	75,000 psi (5170 bar)
• Orifice range	0.003–0.023 in
• Nozzle range	0.020–0.065 in ID
• Length	2-4" (50-102mm), 3" Standard



Specifications subject to change.

www.jetedge.com
+1-763-497-8700 | 1-800-JET-EDGE
sales@jetedge.com