BARTON

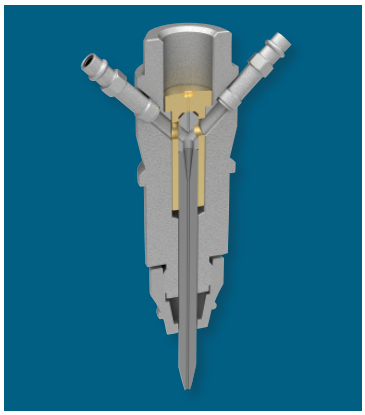
TRIDENT®4 Revolutionary Cartridge Technology

Integrated Diamond Cutting Head Designed for Flow Dynamic Waterjet and Dynamic XD Systems*

Exclusively from BARTON, the TRIDENT 4 cutting head is an advanced, direct replacement for the Flow Paser 4* cutting head. No adapter required.

The advanced cartridge technology creates absolute alignment between the diamond orifice and the nozzle.

- Superior Accuracy
- Extended Nozzle Life
- Lower Operating Costs
- Greater Productivity



TRIDENT®4

Made in the USA

BARTON

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On The Cutting Edge Since 1878

Revolutionary Cartridge Technology

Factory-Aligned Cartridge

The TRIDENT 4 cutting head offers all the advantages of an integrated diamond design with the versatility of a replaceable orifice. A superior cutting head with revolutionary cartridge technology that ensures perfect orifice-to-nozzle alignment.

PRECISE CARTRIDGE DESIGN FOR SUPERIOR ACCURACY

- The precision-machined cartridge guarantees perfect alignment between the diamond orifice and the nozzle.
- A diamond orifice ensures stream quality remains optimized over the life of the cartridge.
- Features a ROCTEC 500 Mixing Chamber.

EXTENDED ORIFICE AND NOZZLE LIFE

- Diamond wear resistance results in improved total system performance.
- Precision alignment of the orifice ensures that the water stream is perfectly aligned to the nozzle, thus extending nozzle life and reducing costs.

LOWER OPERATING COSTS

- Utilizes an industry standard .281” x 4" non-ringed nozzle.
- The replaceable Diamond Orifice Cartridge can be swapped out for jobs requiring a different orifice size, expanding the versatility of the cutting head.
- Diamond Orifice Cartridge is warranted for 500 hours when used with a Short Stop Filter assembly.

SHORT STOP FILTER

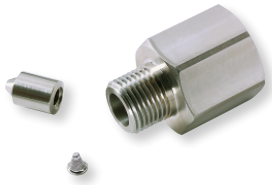
The Short Stop Filter effectively prevents in-line contaminants from damaging orifice assemblies by blocking debris from the most common sources within any high-pressure waterjet system.

Use of the Short Stop Filter is a requirement of the TRIDENT 4 warranty.

- Easily retrofitted.
- Robust construction with a stainless steel mesh screen filter.

TRIDENT 4 CUTTING HEAD

DIAMOND ORIFICE CARTRIDGE



SHORT STOP FILTER

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AMERICAN★MADE

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