**Cutting nozzle assemblies**

Materials that are difficult to cut require the use of a water jetting nozzle with an abrasive entrainment chamber.

A high pressure water nozzle inside the assembly creates a water jet. This pressurised water jet travels through the entrainment chamber at high speed to a focussing nozzle dragging the air in the chamber with it and creating a vacuum. Abrasive material is fed into the side of the chamber under air pressure. The abrasive particles are sucked into the air around the water jet and accelerated into the water stream to emit from the focussing nozzle.

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<th>Operating pressure</th>
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<th>M 26 x 1,5 for M 14 x 1,5 LH (Nipple)</th>
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<th>Designed to be mounted on a nozzle carrier.</th>
<th>Application examples:</th>
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<td><strong>Type B 4000</strong></td>
<td>58,000 psi</td>
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<td>3 – 7 gpm</td>
<td>Concrete cutting</td>
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</table>
| **Type S 4000** | 58,000 psi         |Pressure ring / Pressure nut | with adapter to M 26 x 1,5           | max. 3 gpm | Application especially for use with a cutting table, i.e. cutting shapes in metals, glass, plastics, ceramics etc. | The entrainment chamber can be removed without the need for tools for pure water jet cutting of softer materials.
Cutting nozzle assemblies

Operating pressure: 58,000 psi
High pressure connection: M 14 x 1,5 LH
M 26 x 1,5 für M 14 x 1,5 LH (Nipple)
Flow rate: 3 – 7 gpm
Application examples:
- Cutting in areas with difficult access, i.e. cutting pipes Ø ≥ 2.56 inch from inside to out
- Roughening of motor block cylinder bores

Operating pressure: 3000 bar
High pressure connection: M 14 x 1,5 LH
M 26 x 1,5 für M 14 x 1,5 LH (Nipple)
Flow rate: 3 – 7 gpm
Application examples:
- Cutting in areas with difficult access, i.e. cutting pipes Ø ≥ 2.56 inch from inside to out
- Roughening of motor block cylinder bores

Accessories for cutting nozzles

For Type B 1500

Nozzle insert Type A
Operating pressure: 21,800 psi
Efficiency factor: 0,95
Material: Steel
Orifice diameters: 0.02 – 0.19 inch

For types B 1500 B 4000 S 4000

Focussing nozzle
Material: Tungsten carbide
Focussing orifice: 0.02; 0.03; 0.04; 0.06; 0.08; 0.1; 0.12 inch
Outside dia.: 0.37 inch
Length: 3 inch

For types B 1500 B 4000

Guide piece
Fits in front of the focussing nozzle. Suitable for all
Material: Tungsten carbide

For types B 4000 S 4000

Nozzle insert Type
Operating pressure: 58,000 psi
Efficiency factor: 0,72
Material: Steel / Diamond
Orifice diameters: 0.15 – 1.2 mm

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