Rotary joints

Rotary joints with packing seal

- Op. pressures: 500 - 1000 bar
- Flow rate: 180 l/min
- 10 mm i/d
- Rotation speed: max. 500 r.p.m.
- Weight: 7,8 kg
- Straight through drive shaft for direct coupling to a motor
- Corrosion and medium resistant construction
- Available with flange connection

Rotary joints with friction free sealing

- Op. pressures: 400 - 2500 bar
- Flow rate: 20 - 40 l/min
- 3,2 - 4,5 mm i/d
- Rotation speed: max. 3000 r.p.m.
- Weight: 0,5 kg
- Axial water connection
- Corrosion resistant

Application

Rotary joints are the basic component of all rotating water blasting tools and also provide the high pressure seal.

Rotary joints with friction free sealing

- Op. pressures: 1000 - 3000 bar
- Flow rate: 20 - 400 l/min
- 3 – 15 mm i/d
- Rotation speed: max. 3000 r.p.m.
- Weight: 2,6 – 20,0 kg
- Axial water connection
- Corrosion resistant

Rotary joints with dynamic sealing

- Op. pressure: 3000 bar
- Flow rate: 20 l/min
- 2 + 3 mm i/d
- Rotation speed: max. 3000 r.p.m.
- Weight: 0,5 kg
- Axial water connection
- Corrosion resistant

Swivel connection

- Op. pressure: 3000 bar
- Flow rates: 20 l/min, 100 l/min
- 3 + 7 mm i/d
- Pivoting angle: 360°
- Weight: 0,6 kg
- Axial water connection
- Corrosion resistant
- Light, compact construction

Application

Used as pivoting element to introduce flexibility in ultra high pressure lines. e.g. in lines to water blasting tools deployed by multi axis robots or as a user friendly connection between a UHP hose and a manually operated blasting gun.

HAMMELMANN®

Water blasting tools

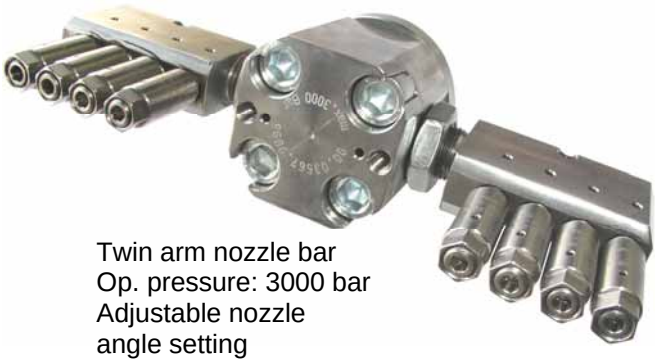
Water blasting tools for powered or water driven rotary joints

- No. of nozzles: 2 - 40
- Corrosion resistant
- Nozzle insert selection optimised by means of special simulation programme

Nozzle holders
Op. pressure:
3000 bar

Blasting tool in
tubular design
Op. pressures:
1000 and 1500 bar

Disc type nozzle
holder
Op. pressure:
3000 bar



Twin arm nozzle bar
Op. pressure: 3000 bar
Adjustable nozzle
angle setting

Spray bar
Op. pressure: 3000 bar
suitable for high r.p.m.

Hammelmann GmbH
Carl-Zeiss-Straße 6-8
59302 Oelde• Germany
mail@hammelmann.de
Telefon (0 25 22) 76-0
Telefax (0 25 22) 76-140
www.hammelmann.de

HAMMELMANN®