

— Ceramic nozzles

Ceramic nozzle 965-cer

The ceramic nozzle type 965-cer was designed for multiple tools such as spray bars and nozzle bars. mvt ceramic nozzles have a nozzle factor of 0.95. **A major advantage is that the ceramic insert cannot burst and the service life of these nozzles is also much longer than that of sapphire.** According to our experience, a service life of up to 100-120 hours can be achieved with a constant operating pressure of 2500 bar, provided that all components such as filters, connections and water comply 100% with the required standard. The nozzle body consists of a one-piece construction with rolled thread and formed/forged hexagon socket. Thanks to this manufacturing process, our nozzle bodies have higher strength reserves compared to one-piece/chip-formed parts.

The nozzle neck is manufactured very precisely and has perfect concentricity with the sealing edge. The 29° sealing edge has no rounding or double angles and has a greater wall thickness than conventional nozzles. Therefore, there can be no deformation of the nozzle body at the sealing edge.

The heart of the nozzle, the ceramic insert, is manufactured entirely at mvt AG, thus ensuring consistent and high quality. All ceramic inserts are checked for scratches, cracks and flow.

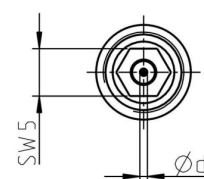
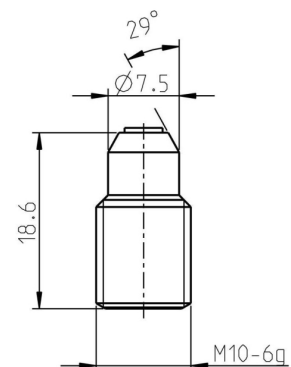
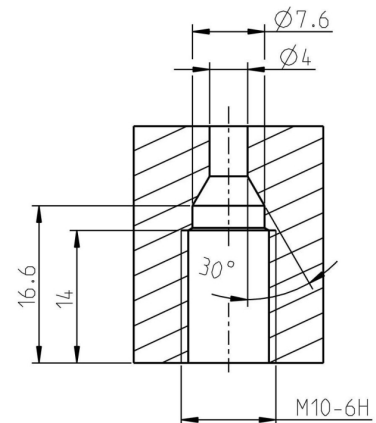
This nozzle was subjected to a burst and pressure test by an accredited testing laboratory STS 0052 in accordance with harmonized standard EN 12162+A1:2009. And withstood a 30-minute load of 3930 bar.

This product is compatible with the following brands or products:

- Type P
- Form 21
- Series 3261

Features and benefits

- Long service life
- Constant jet quality
- Highly concentrated water jet
- Point jet with high energy density
- Easy installation and disassembly
- Swiss quality



Applications

- Construction industry
- Mining
- Concrete removal
- Surface treatment

Specifications



Operating pressure (bar)
max.

3000



Operating temperature (°C)
max.

150



Tightening torque (Nm)

max. 40

ART. NO.	NOZZLE SIZE in US Gal/ min at 40 psi	NOZZLES Ød mm	PRESSURE in psi / bar						
			psi14500	psi21750	psi25375	psi29000	psi31900	psi36250	psi43500
			bar1000	bar1500	bar1750	bar2000	bar2200	bar2500	bar3000
			FLOW RATE in l/min						
32038.0150	0006	0.15	0.442	0.537	0.578	0.616	0.644	0.684	0.744
32038.0200	0011	0.20	0.786	0.955	1.028	1.095	1.145	1.215	1.322
32038.0250	0017	0.25	1.228	1.492	1.606	1.710	1.789	1.899	2.066
32038.0300	0024	0.30	1.769	2.149	2.312	2.463	2.576	2.734	2.975
32038.0350	0033	0.35	2.407	2.925	3.147	3.352	3.506	3.722	4.050
32038.0400	0043	0.40	3.144	3.820	4.111	4.379	4.579	4.861	5.289
32038.0450	0055	0.45	3.979	4.835	5.203	5.542	5.795	6.152	6.694
32038.0500	0067	0.50	4.913	5.969	6.423	6.841	7.155	7.595	8.264
32038.0550	0082	0.55	5.944	7.223	7.772	8.278	8.657	9.190	10.000

Instruction

When using high-pressure spray guns and lances manually, the recoil force to be absorbed in the longitudinal axis of the spraying device must not exceed 250N! If the recoil force exceeds 150N, a body support must be used!

	< 150 N
	< 250 N
	> 250 N