

Ceramic nozzle 909-cer

The high-performance ceramic nozzle type 909-cer was designed for hand lance or robot use. The mvt ceramic nozzles have a much higher efficiency and a nozzle factor of 0.95. The advantages are particularly evident in concrete refurbishment, e.g. when exposing reinforcing bars or during deep removal. **A major advantage is that the ceramic insert cannot burst and the service life of these nozzles is much longer than with sapphire.** Thanks to its advantageous shape, this nozzle can be easily fitted to all conventional hand lances and robot lances on the market using our union nut.

The ceramic insert is completely manufactured at mvt AG, which guarantees consistent and high quality. All ceramic inserts are checked for scratches, cracks and flow.

This product is compatible with the following brands or products:

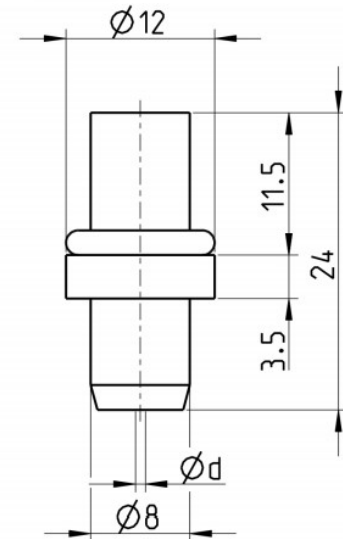
- Type M

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

ART. NO.	NOZZLE SIZE in US Gal/min at 40 psi	NOZZLES Ød mm	PRESSURE in psi / bar					
			psi14500	psi21750	psi25375	psi29000	psi36250	psi43500
			bar1000	bar1500	bar1750	bar2000	bar2500	bar3000
			FLOW RATE in l/min					
31241.1500	0608	1.50	44.215	53.725	57.810	61.573	68.355	74.380
31241.1600	0692	1.60	50.307	61.127	65.775	70.057	77.773	84.628
31241.1700	0781	1.70	56.792	69.007	74.253	79.087	87.798	95.537
31241.1800	0876	1.80	63.670	77.364	83.246	88.665	98.431	107.107
31241.1900	0976	1.90	70.941	86.199	92.752	98.791	109.672	119.338
31241.2000	1081	2.00	78.605	95.511	102.773	109.463	121.520	132.231
31241.2100	1192	2.10	86.662	105.301	113.307	120.683	133.976	145.784
31241.2200	1308	2.20	95.112	115.569	124.355	132.451	147.039	159.999
31241.2300	1430	2.30	103.955	126.314	135.917	144.765	160.710	174.875
31241.2400	1557	2.40	113.191	137.536	147.993	157.627	174.988	190.412
31241.2500	1689	2.50	122.820	149.236	160.582	171.037	189.875	206.610
31241.2600	1827	2.60	132.842	161.414	173.686	184.993	205.368	223.470
31241.2700	1971	2.70	143.257	174.069	187.303	199.497	221.470	240.990
31241.2800	2119	2.80	154.065	187.202	201.434	214.548	238.179	259.172
31241.2900	2273	2.90	165.267	200.812	216.080	230.147	255.495	278.015
31241.3000	2433	3.00	176.861	214.900	231.239	246.293	273.420	297.519
31241.3100	2598	3.10	188.848	229.466	246.911	262.986	291.951	317.684
31241.3200	2768	3.20	201.228	244.509	263.098	280.226	311.091	338.510

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!