

Sapphire nozzle 250-M10



Properties and advantages

- Long lifetime
- Constant jet quality
- High-power and focused water jet
- Needle jet with high energy density
- Easy to install and disassemble
- Swiss Quality

Applications

- Automobile and aircraft industry
- Construction industry
- Mining
- Chemical industry
- Iron, steel and metal industries
- Energy industry
- Beverage industry
- Glass, porcelain and ceramic industries.
- Lumber industry
- Municipal operations
- Agriculture
- Mechanical and apparatus engineering
- Offshore deployment
- Shipbuilding
- Transportation companies

Description

The high quality Sapphire nozzle type 250 consists of two parts and is actually the predecessor of our popular M10 type 965 nozzle. The nozzle can be used for surface treatment and is characterized by its durability, efficiency and quality. The difference to type 965 is the cone angle of 31°.

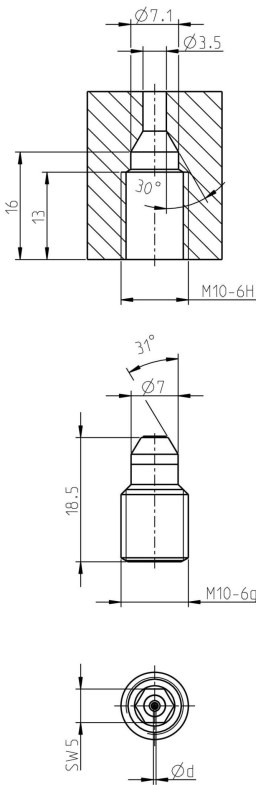
The heart of the nozzle, its the sapphire that is completely manufactured by mvt AG, thus ensuring a consistent and high quality. All sapphire are checked for scratches, cracks and flow.

This product is compatible with the following brands or products:

- Type U

ART. NO. (1)

31076__



CHARACTERISTICS	TYPE
	250-M10
Operating pressure (bar)	max. 3000
Operating temp. (°C)	max. 150°
Tightening torque (Nm)	max. 25

Performance

ART. NO.	NOZZLE SIZE IN US GAL/MIN AT 40 PSI	NOZZLE ØD MM	PRESSURE IN PSI / BAR							
			psi 2900	psi 7250	psi 10875	psi 14500	psi 21750	psi 29000	psi 36250	psi 43500
			bar 200	bar 500	bar 750	bar 1000	bar 1500	bar 2000	bar 2500	bar 3000
			FLOW RATE IN L/MIN							
31076.0100	0002	0.10	0.064	0.100	0.122	0.141	0.171	0.196	0.217	0.237
31076.0125	0003	0.125	0.100	0.157	0.191	0.220	0.267	0.306	0.340	0.370
31076.0150	0004	0.15	0.143	0.226	0.275	0.316	0.385	0.441	0.489	0.532
31076.0175	0006	0.175	0.195	0.307	0.375	0.431	0.523	0.600	0.666	0.725
31076.0200	0008	0.20	0.255	0.401	0.489	0.563	0.684	0.784	0.870	0.946
31076.0250	0012	0.25	0.399	0.627	0.764	0.879	1.068	1.224	1.359	1.479
31076.0300	0018	0.30	0.574	0.903	1.101	1.266	1.538	1.763	1.957	2.130
31076.0350	0024	0.35	0.781	1.229	1.498	1.723	2.094	2.400	2.664	2.899
31076.0400	0031	0.40	1.020	1.605	1.957	2.251	2.735	3.134	3.479	3.786
31076.0450	0040	0.45	1.291	2.031	2.477	2.848	3.461	3.967	4.403	4.792
31076.0500	0049	0.50	1.594	2.507	3.058	3.517	4.273	4.897	5.436	5.916
31076.0550	0059	0.55	1.929	3.034	3.700	4.255	5.170	5.925	6.578	7.158
31076.0600	0071	0.60	2.296	3.611	4.404	5.064	6.153	7.052	7.828	8.518
31076.0650	0083	0.65	2.694	4.238	5.168	5.943	7.221	8.276	9.188	9.997
31076.0700	0096	0.70	3.125	4.915	5.994	6.892	8.375	9.598	10.655	11.595
31076.0750	0110	0.75	3.587	5.642	6.880	7.912	9.614	11.018	12.232	13.310
31076.0800	0125	0.80	4.081	6.419	7.828	9.002	10.939	12.536	13.917	15.144
31076.0850	0142	0.85	4.607	7.247	8.838	10.163	12.349	14.152	15.711	17.096
31076.0900	0159	0.90	5.165	8.124	9.908	11.394	13.844	15.866	17.614	19.166
31076.0950	0177	0.95	5.755	9.052	11.039	12.695	15.425	17.678	19.625	21.355
31076.1000	0196	1.00	6.377	10.030	12.232	14.066	17.091	19.588	21.746	23.662

Instructions

When manually operating high pressure guns and lances the repulsive force on the axis should not exceed 250N! If the repulsive force exceeds 150N, a support / body armour is required!

	< 150 N
	< 250 N
	> 250 N