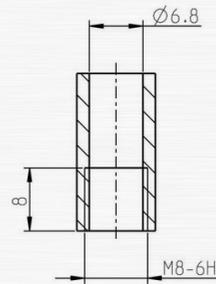


SAPPHIRE NOZZLE 080

The high performance Sapphire nozzle type 080 is designed for surface treatment. The nozzle is characterized above all by its service life, efficiency and quality. This nozzle was designed primarily for spray bars on trucks and road demarking equipment.

The heart of the nozzle, its the sapphire has a consistent and high quality. All sapphire are checked for scratches, cracks and flow.

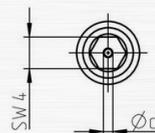
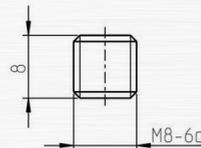


PROPERTIES AND ADVANTAGES

- 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

- CONSTRUCTION INDUSTRY
- IRON, STEEL AND METAL INDUSTRIES
- MECHANICAL AND APPARATUS ENGINEERING
- CEMENT AND CONCRETE INDUSTRY
- INDUSTRIAL CLEANING
- SPRAYBARS



SAPPHIRE NOZZLE 080

PERFORMANCES

ART. NO	NOZZLE SIZE IN US GAL/MIN AT 40 PSI	NOZZLE ØD MM	PRESSURE IN PSI / BAR						
			psi 725	psi 1450	psi 2900	psi 4350	psi 7250	psi 10875	psi 14500
			bar 50	bar 100	bar 200	bar 300	bar 500	bar 750	bar 1000
			FLOW RATE IN L/MIN						
080.010	0002	0.10	0.032	0.045	0.064	0.078	0.100	0.122	0.141
080.0125	0003	0.125	0.050	0.071	0.100	0.122	0.157	0.191	0.220
080.015	0004	0.15	0.072	0.102	0.143	0.175	0.226	0.275	0.316
080.0175	0006	0.175	0.098	0.138	0.195	0.239	0.307	0.375	0.431
080.020	0008	0.20	0.128	0.181	0.255	0.312	0.401	0.489	0.563
080.025	0012	0.25	0.200	0.282	0.399	0.487	0.627	0.764	0.879
080.030	0018	0.30	0.288	0.407	0.574	0.702	0.903	1.101	1.266
080.035	0024	0.35	0.392	0.553	0.781	0.955	1.229	1.498	1.723
080.040	0031	0.40	0.512	0.723	1.020	1.247	1.605	1.957	2.251
080.045	0040	0.45	0.647	0.915	1.291	1.579	2.031	2.477	2.848
080.050	0049	0.50	0.799	1.129	1.594	1.949	2.507	3.058	3.517
080.055	0060	0.55	0.967	1.366	1.929	2.358	3.034	3.700	4.255
080.060	0071	0.60	1.151	1.626	2.296	2.807	3.611	4.404	5.064
080.065	0083	0.65	1.351	1.908	2.694	3.294	4.238	5.168	5.943
080.070	0096	0.70	1.567	2.213	3.125	3.820	4.915	5.994	6.892
080.075	0111	0.75	1.798	2.541	3.587	4.385	5.642	6.880	7.912
080.080	0126	0.80	2.046	2.891	4.081	4.990	6.419	7.828	9.002
080.085	0142	0.85	2.310	3.264	4.607	5.633	7.247	8.838	10.163
080.090	0159	0.90	2.590	3.659	5.165	6.315	8.124	9.908	11.394
080.095	0177	0.95	2.885	4.077	5.755	7.036	9.052	11.039	12.695
080.100	0197	1.00	3.197	4.517	6.377	7.796	10.030	12.232	14.066
080.110	0238	1.10	3.868	5.466	7.716	9.433	12.136	14.801	17.020
080.120	0283	1.20	4.604	6.505	9.183	11.226	14.443	17.614	20.255
080.130	0332	1.30	5.403	7.634	10.777	13.175	16.950	20.672	23.772
080.140	0386	1.40	6.266	8.854	12.498	15.280	19.658	23.975	27.570
080.150	0442	1.50	7.193	10.164	14.348	17.541	22.567	27.522	31.649
080.160	0503	1.60	8.184	11.564	16.325	19.958	25.676	31.314	36.009
080.170	0568	1.70	9.239	13.054	18.429	22.531	28.986	35.350	40.651
080.180	0637	1.80	10.358	14.635	20.661	25.259	32.497	39.632	45.574
080.190	0710	1.90	11.541	16.307	23.020	28.144	36.208	44.158	50.779
080.200	0787	2.00	12.788	18.068	25.507	31.185	40.119	48.928	56.265
080.210	0867	2.10	14.099	19.920	28.122	34.381	44.232	53.943	62.032
080.220	0952	2.20	15.473	21.863	30.864	37.733	48.544	59.203	68.080
080.230	1040	2.30	16.912	23.896	33.733	41.242	53.058	64.707	74.410
080.240	1133	2.40	18.414	26.019	36.730	44.906	57.772	70.456	81.021
080.250	1229	2.50	19.981	28.232	39.855	48.726	62.686	76.450	87.913

SAPPHIRE NOZZLE 080

PERFORMANCES

ART. NO	NOZZLE SIZE IN US GAL/MIN AT 40 PSI	NOZZLE ØD MM	PRESSURE IN PSI / BAR								
			psi	psi	psi	psi	psi	psi	psi	psi	
			725	1450	2175	2900	3625	7250	10875	14500	
			bar	bar	bar	bar	bar	bar	bar	bar	
			50	100	150	200	250	500	750	1000	
FLOW RATE IN L/MIN											
080.260	1329	2.60	21.611	30.536	43.107	52.702	67.802	82.688	95.087		
080.270	1434	2.70	23.306	32.930	46.487	56.834	73.117	89.171	102.542		
080.280	1542	2.80	25.064	35.414	49.994	61.122	78.634	95.899	110.278		
080.290	1654	2.90	26.886	37.989	53.629	65.565	84.351	102.871	118.296		
080.300	1770	3.00	28.773	40.654	57.391	70.165	90.268	110.088	126.595		

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



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