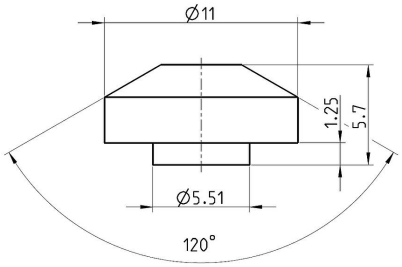
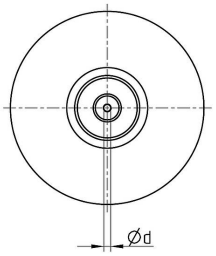
Sapphire nozzle 298

The sapphire nozzle type 298 can be used as a pure water or abrasive cutting nozzle. The nozzle has a sealing angle of 120° and has no neck.

Features and advantages

- Long service life
- Constant jet quality
- Precise cutting accuracy
- Small cutting width
- High cutting performance
- Swiss Quality





Applications

Clean water: Paper, cardboard, corrugated cardboard, wood, plastics, food, baked goods, frozen food, meat, fish, composite materials, vehicle parts such as carpets, door panels, bumpers, dashboards, instrument panels, parcel shelves, etc.
Abrasive: Metal, titanium, aluminum, stone, marble, granite, ceramics, reinforced concrete, plaster, rock wool, laminated, safety and bulletproof glass, wood, plastics, composite materials, vehicle and aircraft parts, etc.
R = Pure water cutting nozzles, accuracy 100% testedRX = Pure water cutting nozzles, accuracy not testedA= Abrasive cutting nozzles, accuracy 100% testedAX = Abrasive cutting nozzles, accuracy not tested

ART. NO. (1)	Article No.	Designation
32079._ _	Pure water	R / RX
31546._ _	Abrasive	A / AX

Examination

- The distance between the nozzle and the target mark is 100 mm.
- The test pressure is 50 bar.
- The 100% test is carried out at the customer's request.

Specifications

Operating pressure (bar) max.

4000

Operating temperature (°C) max.

150

ART. NO.	NOZZLES Ød mm	Designation	PRESSURE in psi / bar			
			psi36250	psi43500	psi50750	psi58000
			bar2500	bar3000	bar3500	bar4000
			FLOW RATE in l/min			
32079.0080_R	0.08	R	0.129	0.140	0.151	0.160
32079.0080_RX	0.08	RX	0.129	0.140	0.151	0.160
32079.0100_R	0.10	R	0.201	0.219	0.235	0.250
32079.0100_RX	0.10	RX	0.201	0.219	0.235	0.250
32079.0125_R	0.125	R	0.315	0.343	0.368	0.391
32079.0125_RX	0.125	RX	0.315	0.343	0.368	0.391
32079.0150_R	0.15	R	0.453	0.493	0.529	0.563
32079.0150_RX	0.15	RX	0.453	0.493	0.529	0.563
32079.0175_R	0.175	R	0.617	0.671	0.721	0.766
32079.0175_RX	0.175	RX	0.617	0.671	0.721	0.766
32079.0200_R	0.20	R	0.806	0.877	0.941	1.000
32079.0200_RX	0.20	RX	0.806	0.877	0.941	1.000
32079.0250_R	0.25	R	1.259	1.370	1.471	1.563
32079.0250_RX	0.25	RX	1.259	1.370	1.471	1.563
32079.0275_R	0.275	R	1.524	1.658	1.779	1.891
32079.0275_RX	0.275	RX	1.524	1.658	1.779	1.891
32079.0300_R	0.30	R	1.813	1.973	2.118	2.250
32079.0300_RX	0.30	RX	1.813	1.973	2.118	2.250
32079.0350_R	0.35	R	2.468	2.685	2.882	3.063
32079.0350_RX	0.35	RX	2.468	2.685	2.882	3.063
32079.0400_R	0.40	R	3.223	3.508	3.765	4.001
32079.0400_RX	0.40	RX	3.223	3.508	3.765	4.001

ART. NO.	NOZZLES Ød mm	Designation	PRESSURE in psi / bar			
			psi36250	psi43500	psi50750	psi58000
			bar2500	bar3000	bar3500	bar4000
			FLOW RATE in l/min			
32079.0450_R	0.45	R	4.080	4.439	4.765	5.064
32079.0450_RX	0.45	RX	4.080	4.439	4.765	5.064
32079.0500_R	0.50	R	5.037	5.481	5.882	6.251
32079.0500_RX	0.50	RX	5.037	5.481	5.882	6.251
32079.0550_R	0.55	R	6.094	6.632	7.118	7.564
32079.0550_RX	0.55	RX	6.094	6.632	7.118	7.564
32079.0600_R	0.60	R	7.253	7.892	8.471	9.002
32079.0600_RX	0.60	RX	7.253	7.892	8.471	9.002
32079.0650_R	0.65	R	8.512	9.262	9.941	10.565
32079.0650_RX	0.65	RX	8.512	9.262	9.941	10.565
32079.0700_R	0.70	R	9.872	10.742	11.530	12.253
32079.0700_RX	0.70	RX	9.872	10.742	11.530	12.253
32079.0750_R	0.75	R	11.333	12.331	13.236	14.066
32079.0750_RX	0.75	RX	11.333	12.331	13.236	14.066
32079.0800_R	0.80	R	12.894	14.030	15.059	16.004
32079.0800_RX	0.80	RX	12.894	14.030	15.059	16.004
32079.0850_R	0.85	R	14.556	15.839	17.000	18.067
32079.0850_RX	0.85	RX	14.556	15.839	17.000	18.067
32079.0900_R	0.90	R	16.319	17.757	19.059	20.254
32079.0900_RX	0.90	RX	16.319	17.757	19.059	20.254
32079.0950_R	0.95	R	18.182	19.785	21.236	22.568
32079.0950_RX	0.95	RX	18.182	19.785	21.236	22.568
32079.1000_R	1.00	R	20.147	21.922	23.530	25.006
32079.1000_RX	1.00	RX	20.147	21.922	23.530	25.006
31546.0080_A	0.08	A	0.129	0.140	0.151	0.160
31546.0080_AX	0.08	AX	0.129	0.140	0.151	0.160
31546.0100_A	0.10	A	0.201	0.219	0.235	0.250
31546.0100_AX	0.10	AX	0.201	0.219	0.235	0.250

ART. NO.	NOZZLES Ød mm	Designation	PRESSURE in psi / bar			
			psi36250	psi43500	psi50750	psi58000
			bar2500	bar3000	bar3500	bar4000
			FLOW RATE in l/min			
31546.0125_A	0.125	A	0.315	0.343	0.368	0.391
31546.0125_AX	0.125	AX	0.315	0.343	0.368	0.391
31546.0150_A	0.15	A	0.453	0.493	0.529	0.563
31546.0150_AX	0.15	AX	0.453	0.493	0.529	0.563
31546.0175_A	0.175	A	0.617	0.671	0.721	0.766
31546.0175_AX	0.175	AX	0.617	0.671	0.721	0.766
31546.0200_A	0.20	A	0.806	0.877	0.941	1.000
31546.0200_AX	0.20	AX	0.806	0.877	0.941	1.000
31546.0250_A	0.25	A	1.259	1.370	1.471	1.563
31546.0250_AX	0.25	AX	1.259	1.370	1.471	1.563
31546.0275_A	0.275	A	1.524	1.658	1.779	1.891
31546.0275_AX	0.275	AX	1.524	1.658	1.779	1.891
31546.0300_A	0.30	A	1.813	1.973	2.118	2.250
31546.0300_AX	0.30	AX	1.813	1.973	2.118	2.250
31546.0350_A	0.35	A	2.468	2.685	2.882	3.063
31546.0350_AX	0.35	AX	2.468	2.685	2.882	3.063
31546.0400_A	0.40	A	3.223	3.508	3.765	4.001
31546.0400_AX	0.40	AX	3.223	3.508	3.765	4.001
31546.0450_A	0.45	A	4.080	4.439	4.765	5.064
31546.0450_AX	0.45	AX	4.080	4.439	4.765	5.064
31546.0500_A	0.50	A	5.037	5.481	5.882	6.251
31546.0500_AX	0.50	AX	5.037	5.481	5.882	6.251
31546.0550_A	0.55	A	6.094	6.632	7.118	7.564
31546.0550_AX	0.55	AX	6.094	6.632	7.118	7.564
31546.0600_A	0.60	A	7.253	7.892	8.471	9.002
31546.0600_AX	0.60	AX	7.253	7.892	8.471	9.002
31546.0650_A	0.65	A	8.512	9.262	9.941	10.565
31546.0650_AX	0.65	AX	8.512	9.262	9.941	10.565

ART. NO.	NOZZLES Ød mm	Designation	PRESSURE in psi / bar			
			psi36250	psi43500	psi50750	psi58000
			bar2500	bar3000	bar3500	bar4000
			FLOW RATE in l/min			
31546.0700_A	0.70	A	9.872	10.742	11.530	12.253
31546.0700_AX	0.70	AX	9.872	10.742	11.530	12.253
31546.0750_A	0.75	A	11.333	12.331	13.236	14.066
31546.0750_AX	0.75	AX	11.333	12.331	13.236	14.066
31546.0800_A	0.80	A	12.894	14.030	15.059	16.004
31546.0800_AX	0.80	AX	12.894	14.030	15.059	16.004
31546.0850_A	0.85	A	14.556	15.839	17.000	18.067
31546.0850_AX	0.85	AX	14.556	15.839	17.000	18.067
31546.0900_A	0.90	A	16.319	17.757	19.059	20.254
31546.0900_AX	0.90	AX	16.319	17.757	19.059	20.254
31546.0950_A	0.95	A	18.182	19.785	21.236	22.568
31546.0950_AX	0.95	AX	18.182	19.785	21.236	22.568
31546.1000_A	1.00	A	20.147	21.922	23.530	25.006
31546.1000_AX	1.00	AX	20.147	21.922	23.530	25.006