WATERBLAST ACCESSORIES

SAPPHIRE NOZZLES

For High Pressure Applications

These nozzles are used for high pressure jetting applications where water filtration of 10 micron or better is required. Jeweled orifices make the best quality, longest lasting jets possible, especially for ultra-high pressures.

- Pressure Range: 20-40k psi (1400-2800 bar)
- Flow Range: 0.2–4.8 gpm (0.75–18 l/min)







057

Shown larger than actual size.

		PRESSURE KPSI & (BAR)											AVAILABILITY			
ORIFICE ID		20	22	24	26	28	30	32	34	36	38	40	054	980	087	
in.	mm	(1400)	(1500)	(1700)	(1800)	(1900)	(2100)	(2200)	(2300)	(2500)	(2600)	(2800)				
.009	(0.23)	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3		•		
010	(0.25)	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.34	0.4	•	•		
011	(0.28)	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5		•	•	
012	(0.30)	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.6	0.6	•	•	•	
013	(0.33)	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.7	•	•	•	
014	(0.36)	0.5	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.8	•	•	•	
015	(0.38)	0.6	0.7	0.7	0.7	0.7	0.8	0.9	8.0	0.8	0.9	0.9	•	•	•	
016	(0.41)	0.7	0.7	0.8	0.8	0.8	0.9	0.9	0.9	1.0	1.0	1.0	•	•	•	
017	(0.43)	0.8	0.8	0.9	0.9	0.9	1.0	1.0	1.0	1.1	1.1	1.1	•	•	•	
018	(0.46)	0.9	0.9	1.0	1.0	1.1	1.1	1.1	1.2	1.2	1.2	1.3	•	•	•	
019	(0.48)	1.0	1.0	1.1	1.1	1.9	1.2	1.3	1.3	1.3	1.4	1.4	•	•	•	
020	(0.51)	1.1	1.2	1.2	1.3	1.3	1.4	1.4	1.4	1.5	1.5	1.6	•	•	•	
)21	(0.53)	1.2	1.3	1.3	1.4	1.4	1.5	1.5	1.6	1.6	1.7	1.7	•	•	•	
)22	(0.56)	1.3	1.4	1.5	1.5	1.6	1.6	1.7	1.7	1.8	1.8	1.9	•	•	•	
023	(0.58)	1.5	1.5	1.6	1.7	1.7	1.7	1.8	1.9	1.9	2.0	2.0	•	•	•	
024	(0.61)	1.6	1.7	1.7	1.8	1.9	1.9	2.0	2.1	2.1	2.2	2.2	•	•	•	
025	(0.64)	1.7	1.8	1.9	2.0	2.0	2.1	2.2	2.2	2.3	2.4	2.4	•	•	•	
026	(0.66)	1.9	1.9	2.0	2.1	2.2	2.3	2.3	2.4	2.5	2.6	2.6	•	•		
027	(0.69)	2.0	2.1	2.2	2.3	2.4	2.5	2.5	2.6	2.7	2.8	2.8	•	•		
028	(0.71)	2.2	2.3	2.4	2.5	2.6	2.5	2.7	2.8	2.9	3.0	3.1	•	•	•	
.031	(0.79)	2.6	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	•	•	•	
.033	(0.84)	3.0	3.1	3.3	3.4	3.5	3.7	3.8	3.9	4.0	4.1	4.2			•	
.034	(0.86)	3.2	3.3	3.5	3.6	3.8	3.9	4.0	4.2	4.3	4.4	4.5	•	•		
.035	(0.89)	3.4	3.5	3.7	3.8	4.0	4.1	4.3	4.4	4.5	4.6	4.8	•		•	

WATERBLAST ACCESSORIES

ATTACK TIPS™

For Low/Medium Pressure Applications

StoneAge Attack Tips are the highest quality, longest lasting nozzles available for low and medium pressure applications (up to 22k psi - 1500 bar). Flow straighteners correct turbulence, ensuring excellent jetting results.

STAINLESS STEEL OR CARBIDE AVAILABLE

- Pressure Range: 20–40k psi (1400–2800 bar)
- Flow Range: 0.6–46 gpm (2.27–174 l/min)

Shown larger than actual size.



AP2 1/8 NPT





1/4 NPT

1/4 NPT **FLUSH MOUNT**

	PRESSURE - KPSI & (BAR)													
ORIFICE ID		2	4	6	8	10	12	14	15	16	18	20	22	FLOW
in.	mm	(140)	(280)	(410)	(550)	(700)	(830)	(970)	(1000)	(1100)	(1200)	(1400)	(1500)	RATING
.018	(0.46)	0.39	0.55	0.68	0.78	0.87	0.96	1.0	1.1	1.1	1.2	1.2	1.3	0.6
.020	(0.51)	0.48	0.68	0.83	0.96	1.1	1.2	1.3	1.3	1.5	1.5	1.5	1.6	0.7
.022	(0.56)	0.58	0.82	1.0	1.2	1.3	1.4	1.5	1.6	1.6	1.7	1.8	1.9	0.8
.024	(0.61)	0.69	0.98	1.2	1.4	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	1.0
.026	(0.66)	0.81	1.2	1.4	1.6	1.8	2.0	2.1	2.2	2.3	2.4	2.6	2.7	1.1
.029	(0.74)	1.0	1.4	1.7	2.0	2.3	2.5	2.7	2.8	2.9	3.0	3.2	3.4	1.4
.032	(0.81)	1.2	1.7	2.1	2.5	2.8	3.0	3.3	3.4	3.5	3.7	3.9	4.1	1.7
.035	(0.89)	1.5	2.1	2.6	3.0	3.3	3.6	3.9	4.0	4.2	4.4	4.7	4.9	2.1
.038	(0.97)	1.7	2.5	3.0	3.5	3.9	4.3	4.6	4.8	4.9	5.2	5.5	5.7	2.5
.042	(1.07)	2.1	3.0	3.7	4.2	4.7	5.2	5.6	5.8	6.0	6.4	6.7	7.0	3.0
.047	(1.19)	2.7	3.8	4.6	5.3	5.9	6.5	7.0	7.3	7.5	8.0	8.4	8.8	3.8
.052	(1.32)	3.3	4.6	5.6	6.5	7.3	8.0	8.6	8.9	9.2	9.8	10	11	4.6
.057	(1.45)	3.9	5.5	6.8	7.8	8.7	9.6	10	11	11	12	12	13	5.5
.063	(1.60)	4.8	6.8	8.3	9.6	11	12	13	13	14	14	15	16	6.8
.069	(1.78)	5.7	8.1	9.9	12	13	14	15	16	16	17	18	19	8.1
.075	(1.91)	6.8	9.6	12	13	15	17	18	19	19	20	21	23	9.6
.082	(2.08)	8.1	12	14	16	18	20	21	22	23	24	26	27	12
.090	(2.29)	9.8	14	17	20	22	24	26	27	28	29	31	32	14
.098	(2.49)	12	16	20	23	26	28	31	32	33	35	37	38	16
.106	(2.69)	14	19	23	27	30	33	36	37	38	41	43	45	19
.115	(2.92)	16	23	28	32	36	39	42	44	45	48	50	53	23
.125	(3.18)	17	27	33	38	42	46	50	52	53	56	60	62	27
.135	(3.43)	22	31	38	44	49	54	58	60	62	66	69	73	31
.145	(3.68)	25	36	44	51	57	62	67	69	72	76	80	84	36
.155	(3.94)	29	41	50	58	65	71	77	79	82	87	92	96	41
.165	(4.19)	33	46	57	66	73	80	87	90	93	98	104	109	46

78 WWW.STONEAGETOOLS.COM • 1.970.259.2869 WWW.STONEAGETOOLS.COM • 1.970.259.2869 79