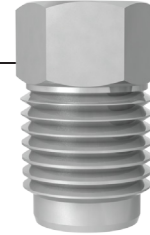


CARBIDE ATTACK TIPS

StoneAge Attack Tips are the highest quality, longest lasting nozzles available for low and medium pressure applications (up to 22k psi/1500 bar). Carbide nozzles are a good selection for lower quality water or dirty water applications. They offer a high quality jet and great erosion resistance. Flow straighteners correct turbulence, ensuring excellent jetting results.



CNP2
1/8 NPT

NOZZLE FLOW CHART

Nozzle Size		PRESSURE (PSI & BAR)												Cd													
		2,000		4,000		6,000		8,000		10,000		12,000			14,000		15,000		16,000		18,000		20,000		22,000		
in.	mm	140	280	410	550	700	830	970	1000	1100	1200	1400	1500														
.018	0.46	0.4	2	0.6	2	0.7	3	0.8	3	0.9	3	1.0	4	1.0	4	1.1	4	1.1	4	1.2	5	1.2	5	1.3	5	0.6	
.020	0.51	0.5	2	0.7	3	0.8	3	1.0	4	1.1	4	1.2	5	1.3	5	1.3	5	1.5	6	1.5	6	1.5	6	1.6	6	0.7	
.022	0.56	0.6	2	0.8	3	1.0	4	1.2	5	1.3	5	1.4	5	1.5	6	1.6	6	1.6	6	1.7	6	1.8	7	1.9	7	0.8	
.024	0.61	0.7	3	1.0	4	1.2	5	1.4	5	1.6	6	1.7	6	1.8	7	1.9	7	2.0	8	2.1	8	2.2	8	2.3	9	1.0	
.026	0.66	0.8	3	1.2	5	1.4	5	1.6	6	1.8	7	2.0	8	2.1	8	2.2	8	2.3	9	2.4	9	2.6	10	2.7	10	1.1	
.029	0.74	1.0	4	1.4	5	1.7	6	2.0	8	2.3	9	2.5	10	2.7	10	2.8	11	2.9	11	3.0	11	3.2	12	3.4	13	1.4	
.032	0.81	1.2	5	1.7	6	2.1	8	2.5	10	2.8	11	3.0	11	3.3	13	3.4	13	3.5	13	3.7	14	3.9	15	4.1	16	1.7	
.035	0.89	1.5	6	2.1	8	2.6	10	3.0	11	3.3	13	3.6	14	3.9	15	4.0	15	4.2	16	4.4	17	4.7	18	4.9	19	2.1	
.038	0.97	1.7	6	2.5	10	3.0	11	3.5	13	3.9	15	4.3	16	4.6	18	4.8	18	4.9	19	5.2	20	5.5	21	5.7	22	2.5	
.042	1.07	2.1	8	3.0	11	3.7	14	4.2	16	4.7	18	5.2	20	5.6	21	5.8	22	6.0	23	6.4	24	6.7	26	7.0	27	3.0	
.047	1.19	2.7	10	3.8	14	4.6	18	5.3	20	5.9	22	6.5	25	7.0	27	7.3	28	7.5	29	8.0	30	8.4	32	8.8	34	3.8	
.052	1.32	3.3	13	4.6	18	5.6	21	6.5	25	7.3	28	8.0	30	8.6	33	8.9	34	9.2	35	9.8	37	10	38	11	42	4.6	
.057	1.45	3.9	15	5.5	21	6.8	26	7.8	30	8.7	33	9.6	37	10	38	11	42	11	42	12	46	12	46	13	50	5.5	
.063	1.60	4.8	18	6.8	26	8.3	32	9.6	37	11	42	12	46	13	50	13	50	14	53	14	53	15	57	16	61	6.8	
.069	1.78	5.7	22	8.1	31	9.9	38	12	46	13	50	14	53	15	57	16	61	16	61	17	65	18	69	19	72	8.1	
.075	1.91	6.8	26	9.6	37	12	46	13	50	15	57	17	65	18	69	19	72	19	72	20	76	21	80	23	88	9.6	
.082	2.08	8.1	31	12	46	14	53	16	61	18	69	20	76	21	80	22	84	23	88	24	91	26	99	27	103	12	
.090	2.29	9.8	37	14	53	17	65	20	76	22	84	24	91	26	99	27	103	28	107	29	111	31	118	32	122	14	
.098	2.49	12	46	16	61	20	76	23	88	26	99	28	107	31	118	32	122	33	126	35	133	37	141	38	145	16	
.106	2.69	14	53	19	72	23	88	27	103	30	114	33	126	36	137	37	141	38	145	41	156	43	164	45	171	19	
.115	2.92	16	61	23	88	28	107	32	122	36	137	39	149	42	160	44	168	45	171	48	183	50	191	53	202	23	
.125	3.18	17	65	27	103	33	126	38	145	42	160	46	175	50	191	52	198	53	202	56	213	60	229	62	236	27	
.135	3.43	22	84	31	118	38	145	44	168	49	187	54	206	58	221	60	229	62	236	66	252	69	263	73	278	31	
.145	3.68	25	95	36	137	44	168	51	194	57	217	62	236	67	255	69	263	72	274	76	290	80	305	84	320	36	