

# Sapphire Tips - Jeweled Orifices

## Replaceable Tips for High Pressure Applications



Shown larger than actual size.

### StoneAge® Tip & Tool Guide

- OS4 Tips** 1/4-28 NF Gopher GO-H9-C
- OS6 Tips** 3/8-24 NF DB-XX Deck Blasters  
BJV-H9 w/ BJ 444-S6  
or BJ 441-G9 Head and  
UH-40, & UH-50 Rotating Assemblies
- OS7 Tips** 7/16-20 NF BC-H9-C Barracuda Gun Nozzles

### Jeweled Orifices for Small Diameter Jets

These tips are used for 40k psi jetting applications. Water filtration of 10 micron or better is required. Jeweled orifices make the best quality, longest lasting jets possible. They are available in three holder sizes, listed below.

### Sapphire Tips - Orifice Flow Chart (in gpm)

ORIFICE ID in. mm	Pressure kpsi & bar											Availability		
	20 1379	22 1517	24 1655	26 1793	28 1931	30 2069	32 2207	34 2345	36 2483	38 2621	40 2759	OS4	OS6	OS7
.009 0.23	0.22	0.23	0.24	0.25	0.26	0.27	0.28	0.29	0.30	0.31	0.32			•
.010 0.25	0.28	0.29	0.30	0.31	0.33	0.34	0.35	0.36	0.37	0.38	0.39	•	•	
.011 0.28	0.33	0.35	0.37	0.38	0.39	0.41	0.42	0.43	0.45	0.46	0.47		•	•
.012 0.30	0.40	0.42	0.43	0.45	0.47	0.49	0.50	0.52	0.53	0.55	0.56	•	•	•
.013 0.33	0.47	0.49	0.51	0.53	0.55	0.57	0.59	0.61	0.62	0.64	0.66	•	•	•
.014 0.36	0.54	0.57	0.59	0.62	0.64	0.66	0.68	0.70	0.72	0.74	0.76	•	•	•
.015 0.38	0.62	0.65	0.68	0.71	0.73	0.76	0.78	0.81	0.83	0.85	0.87	•	•	•
.016 0.41	0.70	0.73	0.77	0.80	0.83	0.86	0.89	0.92	0.95	0.97	1.00	•	•	•
.017 0.43	0.80	0.83	0.87	0.91	0.94	0.97	1.01	1.04	1.07	1.10	1.12	•	•	•
.018 0.46	0.89	0.94	0.98	1.02	1.05	1.09	1.13	1.16	1.20	1.23	1.26	•	•	•
.019 0.48	0.99	1.04	1.09	1.13	1.18	1.21	1.26	1.30	1.33	1.37	1.40	•	•	•
.020 0.51	1.10	1.15	1.21	1.25	1.30	1.35	1.39	1.43	1.48	1.52	1.56	•	•	•
.021 0.53	1.21	1.27	1.33	1.38	1.44	1.49	1.53	1.58	1.63	1.68	1.72	•	•	•
.022 0.56	1.33	1.40	1.46	1.52	1.58	1.63	1.68	1.74	1.79	1.84	1.88	•	•	•
.023 0.58	1.46	1.53	1.59	1.66	1.72	1.78	1.84	1.90	1.95	2.01	2.06	•	•	•
.024 0.61	1.58	1.66	1.74	1.81	1.87	1.94	2.00	2.07	2.13	2.18	2.24	•	•	•
.025 0.64	1.72	1.80	1.88	1.96	2.03	2.10	2.17	2.24	2.31	2.37	2.43	•	•	•
.026 0.66	1.86	1.95	2.04	2.12	2.20	2.28	2.35	2.42	2.49	2.56	2.63	•	•	
.027 0.69	2.01	2.10	2.20	2.29	2.37	2.46	2.54	2.61	2.69	2.76	2.84	•	•	•
.028 0.71	2.16	2.26	2.36	2.46	2.55	2.66	2.73	2.81	2.89	2.97	3.05	•	•	•
.031 0.79	2.64	2.77	2.90	3.01	3.13	3.24	3.34	3.45	3.55	3.64	3.74	•	•	•
.033 0.84	3.00	3.14	3.28	3.42	3.54	3.67	3.79	3.91	4.02	4.13	4.24			•
.034 0.86	3.18	3.34	3.48	3.63	3.76	3.89	4.02	4.15	4.27	4.38	4.50	•	•	
.035 0.89	3.37	3.53	3.69	3.84	3.99	4.13	4.26	4.39	4.52	4.64	4.77	•		•

SAPPHIRE TIPS