

TYPE.KBIC

SOLID CONE SPRAY NOZZLE

Data Sheet 05041601 Rev.01

SPRAY CHARACTERISTICS

Uniform distribution of droplets of which are larger than equivalent Hollow Cone pattern. Greater spray impact with smaller spray angles. Spray angle affected with pressure

NOZZLE PROPERTIES

One piece body with pressed cross-milled core
Available in a range of BSPP thread sizes
Standard material availability of Brass, 303 and 316 Stainless Steel

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Capacity Chart

NOZZLE NUMBER	THREAD SIZE	SPRAY ANGLE @ 2 BAR	FLOW RATE IN LITRES/MIN AT Bar.G							
			0.35	1	1.5	2	3	4	6	7
6	1/8" 1/4"	47°	0.88	1.50	1.88	2.18	2.65	2.87	3.41	3.54
8	1/8" 1/4"	56°	1.30	2.28	2.84	3.23	4.00	4.55	5.38	5.72
11	1/8" 1/4"	64°	1.63	2.87	3.62	4.05	4.87	5.36	6.30	6.74
12	1/8" 1/4"	70°	2.09	3.41	4.09	4.55	5.30	5.91	7.02	7.58
16	1/4" 3/8"	60°	2.50	4.41	5.30	6.14	7.27	8.00	9.51	10.04
20	1/4" 3/8"	73°	3.11	5.46	6.50	7.54	9.06	10.00	11.92	12.63
22	1/4" 3/8"	80°	3.58	6.24	7.51	8.32	9.78	10.91	13.23	14.24
27	3/8" 1/2"	53°	4.23	7.42	9.01	10.10	12.32	13.64	16.06	17.47
32	3/8" 1/2"	70°	5.81	8.88	10.81	12.32	14.44	15.96	19.29	20.40
42	1/2"	76°	6.74	11.82	14.44	15.96	19.29	21.41	24.95	27.37
49	1/2"	86°	8.17	14.24	16.36	18.69	23.13	25.05	29.29	32.52
63	1/2" 3/4"	80°	10.20	17.07	20.50	23.84	28.89	32.22	38.48	41.31
77	3/4"	73°	12.32	20.50	23.94	29.09	34.95	38.68	45.65	49.29
89	3/4"	85°	13.94	23.74	29.39	33.63	40.00	44.54	52.92	56.26
102	3/4"	97°	14.85	27.37	33.73	38.68	46.26	50.00	60.10	64.54
105	1"	57°	16.26	27.78	33.73	39.79	48.18	52.32	62.42	67.37
123	1"	73°	19.49	34.64	42.32	46.56	57.77	63.63	75.95	80.40
162	1"	86°	25.55	44.64	53.03	61.41	72.22	79.08	95.14	101.0
193	1"	100°	28.79	50.10	60.70	73.23	87.57	99.08	119.2	128.3

Dimensions and Weights

THR'D	DIMENSIONS (mm)				WEIGHT (g)
	A Hex	B	C	D Dia	
1/8"	14.0	10.7	6.4	12.7	10
1/4"	18.0	14.0	7.0	16.5	20
3/8"	20.8	20.0	10.0	20.0	32
1/2"	25.7	25.4	12.7	25.0	63
3/4"	31.8	33.3	15.9	31.0	105
1"	38.0	47.6	19.1	38.0	210

