

DESCRIPTION

- Full cone spray pattern with uniform drop distribution and standard spray angle
- X-twist vertebrae, which are resistant to clogging
- BSPT external thread or BSPP internal thread
- Materials: brass, SS303 or SS316L
- Other materials and spray angles on request



TECHNICAL DATA

TYPE	Thread						Flow rate (lpm) @ pressure (Bar)								Spray angle (°) @ pressure (Bar)		
	1/8"	1/4"	3/8"	1/2"	3/4"	1"	0.35	0.7	1	1.5	2	3	6	8	0.7	2	6
1	☑	-	-	-	-	-	0.18	0.24	0.27	0.32	0.36	0.42	0.56	0.63	40	50	55
3	☑	-	-	-	-	-	0.54	0.71	0.82	0.96	1.08	1.27	1.68	1.88	50	50	55
4	☑	-	-	-	-	-	0.72	0.95	1.09	1.28	1.44	1.69	2.23	2.51	50	60	60
6	☑	☑	-	-	-	-	0.88	1.25	1.50	1.88	2.18	2.65	3.41	376	40	47	40
8	☑	☑	-	-	-	-	1.30	1.86	2.28	2.84	3.23	4.00	5.38	5.97	44	56	53
11	☑	☑	-	-	-	-	1.63	2.32	2.87	3.62	4.05	4.87	6.30	7.06	52	64	58
12	☑	☑	-	-	-	-	2.09	2.79	3.41	4.09	4.55	5.30	7.02	8.01	62	70	58
16	-	☑	-	-	-	-	2.50	3.58	4.41	5.30	6.14	7.27	9.51	10.61	57	60	55
20	-	☑	-	-	-	-	3.11	4.46	5.46	6.50	7.54	9.06	11.92	13.43	62	73	58
22	-	☑	-	-	-	-	3.58	5.11	6.4	7.51	8.32	9.78	13.23	14.95	70	80	62
12	-	-	☑	-	-	-	2.09	2.79	3.41	4.09	4.55	5.30	7.02	8.01	36	45	39
16	-	-	☑	-	-	-	2.50	3.58	4.41	5.30	6.14	7.27	9.51	10.61	57	60	55
20	-	-	☑	-	-	-	3.11	4.46	5.46	6.50	7.54	9.06	11.92	13.43	61	73	58
22	-	-	☑	-	-	-	3.58	5.11	6.4	7.51	8.32	9.78	13.23	14.95	70	80	62
27	-	-	☑	-	-	-	4.23	6.04	7.42	9.01	10.10	12.32	16.06	18.08	44	53	51
32	-	-	☑	-	-	-	5.81	7.25	8.88	10.81	12.32	14.44	19.29	22.12	60	70	61
27	-	-	-	☑	-	-	4.23	6.04	7.42	9.01	10.10	12.32	16.06	18.08	44	53	51
32	-	-	-	☑	-	-	5.81	7.25	8.88	10.81	12.32	14.44	19.29	22.12	60	70	61
42	-	-	-	☑	-	-	6.74	9.67	11.82	14.44	15.96	19.29	24.95	28.48	70	76	64
49	-	-	-	☑	-	-	8.17	11.62	14.24	16.36	18.69	23.13	29.29	33.94	79	86	72
63	-	-	-	☑	-	-	10.20	14.44	17.07	20.50	23.84	28.89	38.48	43.9	70	80	70
47	-	-	-	-	☑	-	7.48	10.61	13.03	14.95	17.78	21.11	28.48	31.71	43	57	42
63	-	-	-	-	☑	-	10.20	14.44	17.07	20.50	23.84	28.89	38.48	43.9	60	69	53
77	-	-	-	-	☑	-	12.32	17.68	20.50	23.94	29.09	34.95	45.65	52.02	70	73	60
89	-	-	-	-	☑	-	13.94	20.00	23.74	29.39	33.63	40.00	52.92	59.29	82	85	67
102	-	-	-	-	☑	-	14.85	20.91	27.37	33.73	38.68	46.26	60.10	67.87	85	97	74
73	-	-	-	-	-	☑	11.92	16.26	20.00	22.62	27.78	34.24	45.65	52.02	35	41	44
105	-	-	-	-	-	☑	16.26	23.23	27.78	33.73	39.79	48.18	62.42	71.51	51	57	49
123	-	-	-	-	-	☑	19.49	28.38	34.64	42.32	46.56	57.77	75.95	85.55	66	73	57
140	-	-	-	-	-	☑	22.73	32.02	38.18	45.25	53.23	62.12	80.80	90.90	75	81	52
162	-	-	-	-	-	☑	25.55	36.26	44.64	53.03	61.41	72.22	95.14	108.07	74	86	63
193	-	-	-	-	-	☑	28.79	41.81	50.10	60.70	73.23	57.57	119.18	135.34	82	100	80

DIMENSIONS



Thread	MALE			FEMALE		
	SW	L	LG	SW	L	LG
	(mm)			(mm)		
1/8"	11	17.5	7	13	25	7
1/4"	14	22	10	17	34	10
3/8"	17	25	10	22	38	10
1/2"	22	32	13	25	45	13
3/4"	27	38	15	30	55	15
1"	36	50	17	36	70	17

HOW TO ORDER

Thread BIM (male) / BIF (female) type material

3/4" BIM 94 SS303

3/8" BIF 20 SS316L

3/8" BIMX 27 SS303 (NPT Thread)