

HOLLOW CONE SPRAY NOZZLES

■ PERFORMANCE DATA: STANDARD ANGLE SPRAY

Inlet Conn. (in.)	Nozzle Type		Capacity Size	Inlet Dia. Nom. (in.)	Orifice Dia. Nom. (in.)	Flow Rate Capacity (gallons per minute)										Spray Angle (°)		
	NPAX	NPBX				3psi	5psi	10psi	15psi	20psi	30psi	40psi	60psi	80psi	100psi	10psi	20psi	80psi
1/8	•	•	.5	.031	.047	—	—	.05	.06	.07	.09	.10	.12	.14	.16	39	58	69
	•	•	1	.063	.063	—	—	.10	.12	.14	.17	.20	.24	.28	.32	41	64	76
	•	•	2	.078	.078	—	.14	.20	.24	.28	.35	.40	.49	.57	.63	52	61	69
	•	•	3	.094	.094	—	.21	.30	.37	.42	.52	.60	.73	.85	.95	52	64	77
	•	•	5	.125	.125	.27	.35	.50	.61	.71	.87	1.0	1.2	1.4	1.6	56	67	76
	•	•	8	.156	.156	.44	.57	.80	.98	1.1	1.4	1.6	2.0	2.3	2.5	56	65	70
	•	•	10	.172	.172	.55	.71	1.0	1.2	1.4	1.7	2.0	2.4	2.8	3.2	55	65	72

■ ORDERING INFO

Unit Formula Complete Nozzle						
NPAX.	-	.5	-	1/8	-	316
Nozzle Type	Capacity		Inlet Connection		Material	

Available materials: Brass (leave blank), 303/304 Stainless (SS), 316L Stainless (316)

HOLLOW CONE SPRAY NOZZLES

■ PERFORMANCE DATA: STANDARD ANGLE SPRAY

Inlet Conn. (in.)	Nozzle Type		Capacity Size	Inlet Dia. Nom. (in.)	Orifice Dia. Nom. (in.)	Flow Rate Capacity (gallons per minute)										Spray Angle (°)		
	NPAX	NPBX				3psi	5psi	10psi	15psi	20psi	30psi	40psi	60psi	80psi	100psi	10psi	20psi	80psi
1/4	•	•	1	.063	.063	—	—	.10	.12	.14	.17	.20	.24	.28	.32	47	53	67
	•	•	2	.078	.078	—	—	.20	.24	.28	.35	.40	.49	.57	.63	56	62	71
	•	•	3	.094	.094	—	.21	.30	.37	.42	.52	.60	.73	.85	.95	51	65	78
	•	•	5	.141	.141	.27	.35	.50	.61	.71	.87	1.0	1.2	1.4	1.6	63	73	79
	•	•	8	.156	.156	.44	.57	.80	.98	1.1	1.4	1.6	2.0	2.3	2.5	61	69	73
	•	•	10	.188	.172	.55	.71	1.0	1.2	1.4	1.7	2.0	2.4	2.8	3.2	63	70	74
	•	•	15	.234	.203	.82	1.1	1.5	1.8	2.1	2.6	3.0	3.7	4.2	4.7	63	71	72
3/8	•	•	5	.140	.125	.27	.35	.50	.61	.71	.87	1.0	1.2	1.4	1.6	64	73	79
	•	•	8	.172	.156	.44	.57	.80	.98	1.1	1.4	1.6	2.0	2.3	2.5	62	70	74
	•	•	10	.203	.172	.55	.71	1.0	1.2	1.4	1.7	2.0	2.4	2.8	3.2	64	72	75
	•	•	15	.234	.219	.82	1.1	1.5	1.8	2.1	2.6	3.0	3.7	4.2	4.7	64	72	74
	•	•	20	.281	.250	1.1	1.4	2.0	2.4	2.8	3.5	4.0	4.9	5.7	6.3	63	70	74
	•	•	25	.297	.297	1.4	1.8	2.5	3.1	3.5	4.3	5.0	6.1	7.1	7.9	63	70	74
	•	•	30	.328	.313	1.6	2.1	3.0	3.7	4.2	5.2	6.0	7.3	8.5	9.5	63	70	74
1/2	•	•	25	.375	.250	1.4	1.8	2.5	3.1	3.5	4.3	5.0	6.1	7.1	7.9	63	66	71
	•	•	30	.375	.297	1.6	2.1	3.0	3.7	4.2	5.2	6.0	7.3	8.5	9.5	67	71	75
	•	•	40	.375	.359	2.2	2.8	4.0	4.9	5.7	6.9	8.0	9.8	11.3	12.6	72	76	78
	•	•	50	.375	.438	2.7	3.5	5.0	6.1	7.1	8.7	10.0	12.2	14.1	15.8	74	79	82
	•	•	60	.375	.516	3.3	4.2	6.0	7.3	8.5	10.4	12.0	14.7	17.0	19.0	77	82	86
3/4	•	•	40	.500	.313	2.2	2.8	4.0	4.9	5.7	6.9	8.0	9.8	11.3	12.6	70	73	74
	•	•	50	.500	.344	2.7	3.5	5.0	6.1	7.1	8.7	10.0	12.2	14.1	15.8	72	75	77
	•	•	60	.500	.406	3.3	4.2	6.0	7.3	8.5	10.4	12.0	14.7	17.0	19.0	74	76	79
	•	•	70	.500	.469	3.8	4.9	7.0	8.6	9.9	12.1	14.0	17.1	19.8	22	76	79	83
	•	•	80	.500	.531	4.4	5.7	8.0	9.8	11.3	13.9	16.0	19.6	23	25	78	82	84
	•	•	90	.500	.578	4.9	6.4	9.0	11.0	12.7	15.6	18.0	22	25	28	81	84	84
	•	•	100	.500	.625	5.5	7.1	10.0	12.2	14.1	17.3	20	24	28	32	83	86	86
	•	•	110	.500	.672	6.0	7.8	11.0	13.5	15.6	19.1	22	27	31	35	85	88	88
	•	•	120	.500	.719	6.6	8.5	12.0	14.7	17.0	21	24	29	34	38	87	90	90

HOLLOW CONE SPRAY NOZZLES

■ PERFORMANCE DATA: WIDE ANGLE SPRAY

Inlet Conn. (in.)	Nozzle Type		Capacity Size	Inlet Dia. Nom. (in.)	Orifice Dia. Nom. (in.)	Flow Rate Capacity (gallons per minute)										Spray Angle (°)		
	NPAX-W	NPBX-W				5psi	7psi	10psi	15psi	20psi	30psi	40psi	60psi	80psi	10psi	20psi	80psi	
1/8	•	•	0.5-0.5W	.031	.047	—	—	.05	.06	.07	.09	.10	.12	.14	103	117	98	
	•	•	1-1W	.063	.063	—	—	.10	.12	.14	.17	.20	.25	.28	110	125	110	
	•	•	2-3W	.078	.109	—	.21	.25	.31	.35	.43	.50	.61	.71	114	114	97	
	•	•	3-3W	.094	.109	—	.25	.30	.37	.42	.52	.60	.73	.85	114	114	97	
	•	•	3-5W	.094	.125	—	.29	.34	.42	.48	.59	.68	.83	.96	116	110	95	
	•	•	2-10W	.078	.172	—	.35	.41	.51	.59	.72	.82	1.0	1.2	130	135	120	
	•	•	5-5W	.125	.125	—	.42	.50	.61	.71	.86	1.0	1.2	1.4	116	110	92	
	•	•	5-10W	.125	.172	.46	.54	.65	.80	.92	1.1	1.3	1.6	1.8	126	121	95	
	•	•	8-10W	.156	.172	.64	.75	.90	1.1	1.3	1.6	1.8	2.2	2.5	124	112	90	
1/4	•	•	1-1W	.063	.063	—	—	.10	.12	.14	.17	.20	.25	.28	110	117	111	
	•	•	1-5W	.063	.125	—	—	.17	.21	.24	.29	.34	.42	.48	100	123	124	
	•	•	1-10W	.063	.172	—	—	.21	.26	.30	.36	.42	.51	.60	140	144	139	
	•	•	1-15W	.063	.219	—	—	.24	.29	.34	.42	.48	.59	.68	105	128	132	
	•	•	2-5W	.078	.125	—	.29	.34	.42	.49	.60	.68	.84	.89	118	123	113	
	•	•	2-10W	.078	.172	—	.35	.41	.51	.59	.72	.82	1.0	1.2	138	136	126	
	•	•	5-5W	.141	.125	—	.42	.50	.61	.71	.86	1.0	1.2	1.4	114	113	104	
	•	•	5-10W	.141	.172	.46	.54	.65	.80	.92	1.1	1.3	1.6	1.8	130	130	119	
	•	•	5-15W	.141	.219	.52	.64	.77	.94	1.1	1.3	1.5	1.8	2.2	130	132	120	
	•	•	8-10W	.156	.172	.64	.75	.90	1.1	1.3	1.6	1.8	2.2	2.5	129	122	103	
	•	•	10-10W	.188	.172	.71	.84	1.0	1.2	1.4	1.7	2.0	2.5	2.8	120	108	95	
	•	•	8-15W	.156	.219	.78	.92	1.1	1.4	1.6	1.9	2.2	2.7	3.1	129	122	107	
	•	•	10-15W	.188	.219	.86	1.0	1.2	1.5	1.7	2.1	2.4	3.0	3.4	120	108	97	
	•	•	15-15W	.234	.219	1.1	1.3	1.5	1.8	2.1	2.6	3.0	3.7	4.2	101	95	88	
3/8	•	•	5-10W	.141	.172	.46	.54	.65	.80	.92	1.1	1.3	1.6	1.8	130	123	102	
	•	•	5-15W	.141	.219	.52	.64	.77	.94	1.1	1.3	1.5	1.8	2.2	138	131	112	
	•	•	8-10W	.172	.172	.64	.75	.90	1.1	1.3	1.6	1.8	2.2	2.5	122	110	96	
	•	•	10-10W	.203	.172	.71	.84	1.0	1.2	1.4	1.7	2.0	2.5	2.8	116	108	93	
	•	•	8-15W	.172	.219	.78	.92	1.1	1.4	1.6	1.9	2.2	2.7	3.1	133	120	105	
	•	•	10-15W	.203	.219	.86	1.0	1.2	1.5	1.7	2.1	2.4	3.0	3.4	126	115	100	
	•	•	8-25W	.172	.297	.92	1.1	1.3	1.6	1.9	2.3	2.6	3.2	3.7	122	118	109	
	•	•	10-20W	.203	.234	.97	1.1	1.4	1.7	1.9	2.4	2.7	3.3	3.9	118	112	102	
	•	•	15-15W	.234	.219	1.1	1.3	1.5	1.8	2.1	2.6	3.0	3.7	4.2	116	106	95	
	•	•	15-20W	.234	.234	1.2	1.5	1.7	2.1	2.5	3.0	3.5	4.3	4.9	113	108	98	
	•	•	20-20W	.281	.234	1.4	1.7	2.0	2.4	2.8	3.5	4.0	4.9	5.6	106	102	95	
	•	•	15-30W	.234	.313	1.6	1.8	2.2	2.7	3.1	3.8	4.4	5.4	6.2	116	110	102	
	•	•	25-25W	.297	.297	1.8	2.1	2.5	3.1	3.5	4.3	5.0	6.1	7.1	105	100	93	
	•	•	25-30W	.297	.313	2.0	2.3	2.8	3.4	4.0	4.9	5.6	6.9	7.9	105	101	94	
1/2	•	•	50-50W	.375	.438	3.5	4.2	5.0	6.1	7.1	8.6	10.0	12.3	14.2	110	102	93	

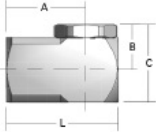
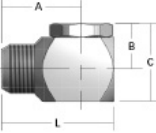
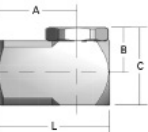
HOLLOW CONE SPRAY NOZZLES

■ PERFORMANCE DATA: EXTRA WIDE ANGLE SPRAY

Inlet Conn. (in.)	Nozzle Type	Capacity Size	Inlet Dia. Nom. (in.)	Orifice Dia. Nom. (in.)	Flow Rate Capacity (gallons per minute)											Spray Angle (°)		
	NPE				3psi	5psi	7psi	10psi	15psi	20psi	30psi	40psi	60psi	80psi	100psi	7psi	20psi	80psi
1/4	•	2	.063	.250	—	—	—	.20	.24	.28	.35	.40	.49	.57	.63	—	165	158
	•	5	.094	.250	.27	.35	.42	.50	.61	.71	.87	1.0	1.2	1.4	1.6	164	154	147
	•	5.8	.109	.250	.32	.41	.49	.58	.71	.82	1.0	1.2	1.4	1.6	1.8	164	154	147
	•	8	.125	.313	.44	.57	.67	.80	.98	1.1	1.4	1.6	2.0	2.3	2.5	164	160	151
	•	10	.141	.313	.55	.71	.84	1.0	1.2	1.4	1.7	2.0	2.4	2.8	3.2	164	154	147
3/8	•	8	.109	.484	.44	.57	.67	.80	.98	1.1	1.4	1.6	2.0	2.3	2.5	164	160	157
	•	10	.125	.484	.55	.71	.84	1.0	1.2	1.4	1.7	2.0	2.4	2.8	3.2	164	160	157
	•	15	.172	.484	.82	1.1	1.3	1.5	1.8	2.1	2.6	3.0	3.7	4.2	4.7	165	163	155
	•	20	.203	.484	1.1	1.4	1.7	2.0	2.4	2.8	3.5	4.0	4.9	5.7	6.3	162	152	147
	•	25	.234	.484	1.4	1.8	2.1	2.5	3.1	3.5	4.3	5.0	6.1	7.1	7.9	162	158	154
	•	33	.266	.641	1.8	2.3	2.8	3.3	4.0	4.7	5.7	6.6	8.1	9.3	10.4	162	154	148
	•	53	.375	.641	2.9	3.7	4.4	5.3	6.5	7.5	9.2	10.6	13.0	15.0	16.8	159	152	149
1/2	•	25	.219	.641	1.4	1.8	2.1	2.5	3.1	3.5	4.3	5.0	6.1	7.1	7.9	162	158	154
	•	30	.250	.641	1.6	2.1	2.5	3.0	3.7	4.2	5.2	6.0	7.3	8.5	9.5	163	155	148
	•	40	.297	.641	2.2	2.8	3.3	4.0	4.9	5.7	6.9	8.0	9.8	11.3	12.6	160	152	144
	•	53	.375	.641	2.9	3.7	4.4	5.3	6.5	7.5	9.2	10.6	13.0	15.0	16.8	159	152	149

HOLLOW CONE SPRAY NOZZLES

DIMENSIONS AND WEIGHTS

Nozzle	Nozzle Type	Inlet Conn.(in.)	L(in.)	A(in.)	B(in.)	C(in.)	E(in.)	Net Weight(oz.)
	NPAX (F) NPAX-W (F)	1/8	1.000	0.688	0.469	0.781	—	1.5
		1/4	1.250	0.875	0.531	0.906	—	2.8
		3/8	1.469	1.031	0.688	1.125	—	4.3
		1/2	1.938	1.375	0.785	1.348	—	8.8
		3/4	2.188	1.375	0.879	1.563	—	11
	NPBX (M) NPBX-W (M)	1/8	1.188	0.875	0.652	1.375	—	1.5
		1/4	1.375	1.000	0.531	1.563	—	2.5
		3/8	1.563	1.125	0.688	1.563	—	4
		1/2	1.938	1.375	0.844	1.938	—	7
		3/4	2.250	1.625	1.563	1.250	—	10.8
	NPE (F)	1/4	1.250	0.875	0.500	0.750		2.25
		3/8	2.000	1.375	0.625	1.250		10.9
		1/2	2.375	1.625	0.766	1.650		17.5

Based on the estimated largest/heaviest version of each type.

ORDERING INFO

Unit Formula Complete Nozzle					
NPAX.	-	.5	-	1/8	- 316
Nozzle	Capacity		Inlet		Material
Type			Connection		

Available materials: Brass (leave blank), 303/304 Stainless (SS), 316L Stainless (316)