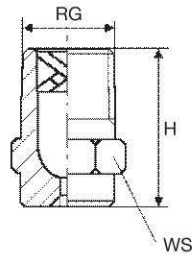


FULL CONE NOZZLES

D



TWO-PIECE NOZZLES

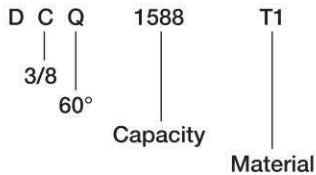
D type nozzles offer a simple and efficient design for a full cone nozzle, that is a wide passage X- style vane assembled into a male threaded body. For sizes up to 3/8 the vane is locked in place, which allows the nozzle to be fitted under any possible orientation without the risk of the vane falling out.

D type nozzles are offered with capacities ranging from 1.18 to 1470 lpm, a full choice of spray angles, and connections from 1/8 to 4. Normally stocked in the materials listed below, they are often manufactured on request in several super-alloys.

- Materials**
- B1** AISI 303 Stainless steel
 - B31** AISI 316L Stainless steel
 - T1** Brass

How to make up the nozzle code

The coding for D type nozzles uses the second digit to indicate the connection thread size. Therefore, according to the desired thread size and material, the code for a D type nozzle is worked out as follows:.



The table below gives coding and dimensions for different thread sizes, for nozzles shown both on this page and the next page.

Thread size coding table

RG inch	Code	H mm	WS mm
1/8	DA	19.5	12.0
1/4	DB	22.0	14.0
3/8	DC	25.0	17.0
1/2	DD	33.0	22.0

Spray angle 45°

DAM	DBM	DCM	DDM	Code	D mm	D1 mm	Capacity at different pressure values						lpm bar
							0.7	1.0	2.0	3.0	5.0	7.0	
				1118 xx	1.1	1.0	0.57	0.68	0.96	1.18	1.52	1.80	2.15
				1147 xx	1.2	1.1	0.71	0.85	1.20	1.47	1.90	2.25	2.68
				1188 xx	1.3	1.2	0.91	1.09	1.54	1.88	2.43	2.87	3.43
				1212 xx	1.4	1.2	1.02	1.22	1.73	2.12	2.74	3.24	3.87
				1235 xx	1.5	1.3	1.14	1.36	1.92	2.35	3.03	3.59	4.29
				1294 xx	1.7	1.5	1.42	1.70	2.40	2.94	3.80	4.49	5.37
				1370 xx	2.0	1.8	1.79	2.14	3.02	3.70	4.78	5.65	6.76
				1470 xx	2.1	2.0	2.27	2.71	3.84	4.70	6.07	7.18	8.58
				1588 xx	2.3	2.0	2.84	3.39	4.80	5.88	7.59	8.98	10.7
				1659 xx	2.5	2.2	3.18	3.80	5.38	6.59	8.51	10.1	12.0
				1740 xx	2.7	2.3	3.57	4.27	6.04	7.40	9.55	11.3	13.5
				1835 xx	2.8	2.6	4.03	4.82	6.82	8.35	10.8	12.8	15.2
				1940 xx	3.0	3.0	4.54	5.43	7.68	9.40	12.1	14.4	17.2
				2105 xx	3.2	3.2	5.07	6.06	8.57	10.5	13.5	16.0	19.2
				2117 xx	3.4	3.3	5.65	6.75	9.55	11.7	15.1	17.9	21.4
				2147 xx	3.8	3.7	7.10	8.49	12.0	14.7	19.0	22.5	26.8
				2188 xx	4.3	4.3	9.08	10.9	15.4	18.8	24.3	28.7	34.3
				2235 xx	5.0	4.5	11.4	13.6	19.2	23.5	30.3	35.9	42.9

Spray angle 60°

DAQ	DBQ	DCQ	DDQ	Code	D	D1	0.7	1.0	2.0	3.0	5.0	7.0	10
				1118 xx	1.2	0.8	0.57	0.68	0.96	1.18	1.52	1.80	2.15
				1147 xx	1.3	1.0	0.71	0.85	1.20	1.47	1.90	2.25	2.68
				1188 xx	1.4	1.1	0.91	1.09	1.54	1.88	2.43	2.87	3.43
				1212 xx	1.5	1.2	1.02	1.22	1.73	2.12	2.74	3.24	3.87
				1235 xx	1.6	1.2	1.14	1.36	1.92	2.35	3.03	3.59	4.29
				1294 xx	1.8	1.3	1.42	1.70	2.40	2.94	3.80	4.49	5.37
				1370 xx	2.0	1.4	1.79	2.14	3.02	3.70	4.78	5.65	6.76
				1470 xx	2.4	1.9	2.27	2.71	3.84	4.70	6.07	7.18	8.58
				1588 xx	2.6	2.0	2.84	3.39	4.80	5.88	7.59	8.98	10.7
				1659 xx	2.7	2.0	3.18	3.80	5.38	6.59	8.51	10.1	12.0
				1740 xx	2.9	2.0	3.57	4.27	6.04	7.40	9.55	11.3	13.5
				1835 xx	3.2	2.8	4.03	4.82	6.82	8.35	10.8	12.8	15.2
				1940 xx	3.2	2.8	4.54	5.43	7.68	9.40	12.1	14.4	17.2
				2100 xx	3.4	3.0	5.07	6.06	8.57	10.5	13.5	16.0	19.2
				2117 xx	3.6	3.0	5.65	6.75	9.55	11.7	15.1	17.9	21.4
				2147 xx	4.0	3.3	7.10	8.49	12.0	14.7	19.0	22.5	26.8
				2188 xx	4.5	3.7	9.08	10.9	15.4	18.8	24.3	28.7	34.3
				2235 xx	5.2	4.5	11.4	13.6	19.2	23.5	30.3	35.9	42.9
				2294 xx	5.8	4.7	14.2	17.0	24.0	29.4	38.0	44.9	53.7

FULL CONE NOZZLES

D

TWO-PIECE NOZZLES

Spray angle 90°

DAU	DBU	DCU	DDU	Code	D mm	D1 mm	Capacity at different pressure values						lpm bar
							0.7	1.0	2.0	3.0	5.0	7.0	
				1118 xx	1.2	0.8	0.57	0.68	0.96	1.18	1.52	1.80	2.15
				1147 xx	1.3	1.0	0.71	0.85	1.20	1.47	1.90	2.25	2.68
				1188 xx	1.4	1.2	0.91	1.09	1.54	1.88	2.43	2.87	3.43
				1212 xx	1.5	1.2	1.02	1.22	1.73	2.12	2.74	3.24	3.87
				1235 xx	1.6	1.3	1.14	1.36	1.92	2.35	3.03	3.59	4.29
				1294 xx	1.8	1.3	1.42	1.70	2.40	2.94	3.80	4.49	5.37
				1370 xx	2.0	1.4	1.79	2.14	3.02	3.70	4.78	5.65	6.76
				1470 xx	2.3	1.8	2.27	2.71	3.84	4.70	6.07	7.18	8.58
				1588 xx	2.6	1.8	2.84	3.39	4.80	5.88	7.59	8.98	10.7
				1659 xx	2.7	2.0	3.18	3.80	5.38	6.59	8.51	10.1	12.0
				1740 xx	2.9	2.0	3.57	4.27	6.04	7.40	9.55	11.3	13.5
				1835 xx	3.3	2.0	4.03	4.82	6.82	8.35	10.8	12.8	15.2
				1940 xx	3.3	2.4	4.54	5.43	7.68	9.40	12.1	14.4	17.2
				2105 xx	3.5	2.6	5.07	6.06	8.57	10.5	13.5	16.0	19.2
				2117 xx	3.7	2.7	5.65	6.75	9.55	11.7	15.1	17.9	21.4
				2147 xx	4.0	3.2	7.10	8.49	12.0	14.7	19.0	22.5	26.8
				2164 xx	4.1	3.2	7.92	9.47	13.4	16.4	21.2	25.1	29.9
				2188 xx	4.7	3.2	9.08	10.9	15.4	18.8	24.3	28.7	34.3
				2235 xx	5.2	3.8	11.4	13.6	19.2	23.5	30.3	35.9	42.9
				2294 xx	5.8	3.8	14.2	17.0	24.0	29.4	38.0	44.9	53.7
				2370 xx	6.4	3.8	17.9	21.4	30.2	37.0	47.8	56.5	67.6

Spray angle 120°

DAW	DBW	DCW	DDW	Code	D	D1	0.7	1.0	2.0	3.0	5.0	7.0	10
				1118 xx	1.2	0.8	0.57	0.68	0.96	1.18	1.52	1.80	2.15
				1147 xx	1.3	0.9	0.71	0.85	1.20	1.47	1.90	2.25	2.68
				1188 xx	1.5	1.0	0.91	1.09	1.54	1.88	2.43	2.87	3.43
				1212 xx	1.6	1.1	1.02	1.22	1.73	2.12	2.74	3.24	3.87
				1235 xx	1.6	1.2	1.14	1.36	1.92	2.35	3.03	3.59	4.29
				1294 xx	1.9	1.3	1.42	1.70	2.40	2.94	3.80	4.49	5.37
				1370 xx	2.1	1.4	1.79	2.14	3.02	3.70	4.78	5.65	6.76
				1470 xx	2.4	1.6	2.27	2.71	3.84	4.70	6.07	7.18	8.58
				1588 xx	2.7	1.8	2.84	3.39	4.80	5.88	7.59	8.98	10.7
				1659 xx	3.0	1.8	3.18	3.80	5.38	6.59	8.51	10.1	12.0
				1740 xx	3.1	1.9	3.57	4.27	6.04	7.40	9.55	11.3	13.5
				1835 xx	3.3	1.9	4.03	4.82	6.82	8.35	10.8	12.8	15.2
				1940 xx	3.5	1.9	4.54	5.43	7.68	9.40	12.1	14.4	17.2
				2105 xx	3.7	2.3	5.07	6.06	8.57	10.5	13.5	16.0	19.2
				2117 xx	3.8	2.4	5.65	6.75	9.55	11.7	15.1	17.9	21.4
				2147 xx	4.2	2.7	7.10	8.49	12.0	14.7	19.0	22.5	26.8
				2164 xx	4.4	2.7	7.92	9.47	13.4	16.4	21.2	25.1	29.9
				2188 xx	4.6	3.1	9.08	10.9	15.4	18.8	24.3	28.7	34.3
				2235 xx	5.3	3.3	11.4	13.6	19.2	23.5	30.3	35.9	42.9
				2294 xx	5.9	4.1	14.2	17.0	24.0	29.4	38.0	44.9	53.7
				2370 xx	6.6	4.7	17.9	21.4	30.2	37.0	47.8	56.5	67.6