DELAVAN®

Collins Aerospace

BC

INDUSTRIAL SPRAY NOZZLES - SOLID CONE

SPRAY CHARACTERISTICS

- *Uniform distribution of droplets in a solid cone spray pattern.*
- *Droplet size is larger than in hollow cone nozzles of equal capacity.*
- *Purpose designed for continuous casting applications.*
- *Available spray angles of 50°, 65°, 80°, 90° and 120°*

CONSTRUCTION AND MATERIALS

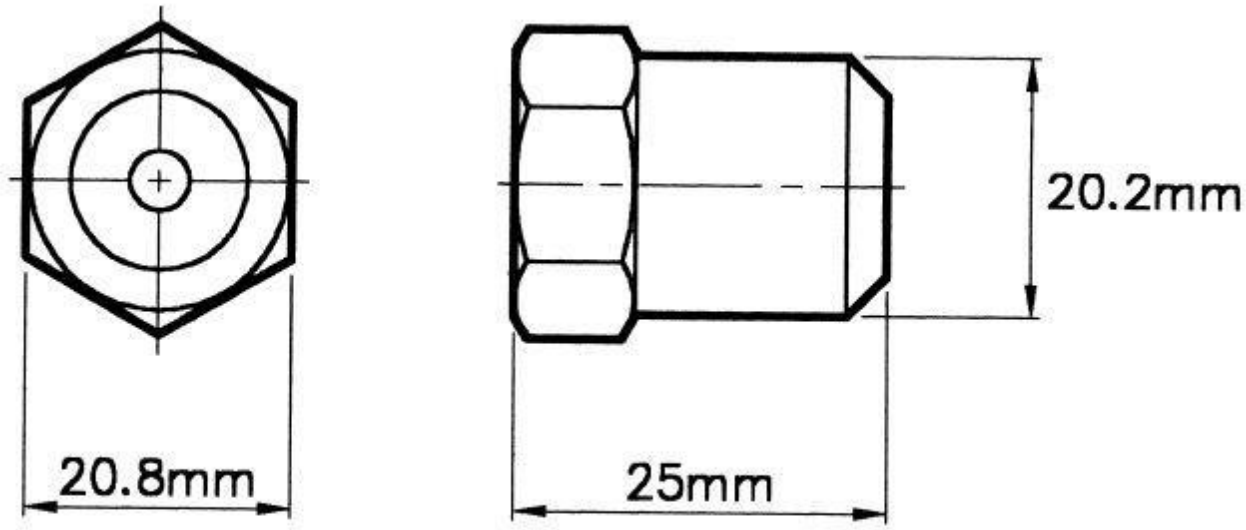
- *The nozzle uses a multi-slotted cored incorporating Delavan's 'Star Slot' swirl chamber bottom.*
- *The core is a drive fit into the body and is not suitable for replacement.*
- *Inlet thread is 3/ 8" BSPP Female.*
- *Brass and Stainless Steel are standard.*
- *Other materials are available on a special order.*

ORDER EXAMPLE

3uc0u8260 8'94 BC 55-65'b0, Brass

Maximum Recommended Pressure: 35 Bar.G.

CAPACITY CHARTS



CAPACITY CHART

NOZZLE NUMBER	FLOW RATE IN LITRES/MIN AT Bar.G.								
	1,0	1,5	2,0	2,5	3,0	4,0	5,0	6,0	7,0
BC 40	2,31	2,38	3,27	3,65	4,0	4,62	5,10	5,62	6,11
BC 45	2,60	3,18	3,67	4,11	4,5	5,20	5,74	6,31	6,86
BC 50	2,89	3,54	4,08	4,56	5,0	5,77	6,37	7,05	7,61
BC 55	3,18	3,89	4,49	5,02	5,5	6,35	7,01	7,75	8,38
BC 60	3,46	4,24	4,90	5,48	6,0	6,93	7,65	8,46	9,15
BC 65	3,75	4,67	5,31	5,93	6,5	7,51	8,29	9,16	9,91
BC 70	4,04	4,95	5,71	6,93	7,0	8,08	8,92	9,87	10,66
BC 80	4,62	5,66	6,53	7,30	8,0	9,24	10,20	11,28	12,19
BC 90	5,20	6,36	7,35	8,22	9,0	10,39	11,47	12,69	13,71
BC 100	5,77	7,07	8,16	9,13	10,0	11,55	12,75	14,10	15,25
BC 110	6,35	7,80	8,98	10,04	11,0	12,70	14,02	15,51	16,78
BC 120	6,93	8,49	9,80	10,95	12,0	13,86	15,30	16,92	18,31
BC 140	8,08	9,90	11,42	12,78	14,0	16,16	17,84	19,74	21,32
BC 160	9,24	11,32	13,06	14,60	16,0	18,48	20,40	22,56	24,38