

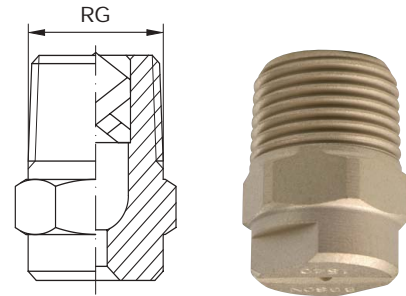
CONTINUOUS CASTING

D.OB

OVAL SPRAY NOZZLE / FLAT JET TIPS

Full cone nozzles with oval spray are used as secondary cooling nozzles. Their spray pattern produces an oval impact surface, which allows a better overlapping of the sprays with an improved evenness of the cooling action. Their round orifice and X-vanes design offer the reliability of standard full cone nozzles, vanes are permanently locked in place to avoid vane loss when piping pressure falls while the system drains.

Material T1 Brass



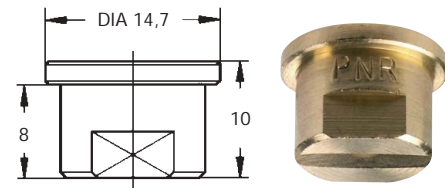
Tip Code	RG inch	D1 mm	Nozzle capacity at pressure values (lpm) (bar)							
			0.7	1.5	2	3	4	6	7	10
DBQ 1330 T1OB	1/4	1.2	1.60	2.34	2.69	3.32	3.81	4.65	5.07	6.06
DBQ 1420 T1OB		1.4	2.03	2.97	3.42	4.21	4.85	5.92	6.43	7.68
DBQ 1540 T1OB		1.7	2.62	3.83	4.41	5.44	6.23	7.63	8.31	9.93
DBQ 1720 T1OB		1.9	3.48	5.09	5.87	7.22	8.31	10.2	11.0	13.2
DBQ 1780 T1OB		2.1	3.67	5.37	6.22	7.61	8.78	10.8	11.6	13.9
DBQ 1840 T1OB		2.2	4.05	5.92	6.85	8.39	9.69	11.9	12.8	15.3
DCU 1320 T1OB	3/8	1.1	1.55	2.26	2.61	3.20	3.70	4.53	4.89	5.84
DCU 1400 T1OB		1.3	1.93	2.83	3.27	4.00	4.62	5.66	6.11	7.30
DCU 1520 T1OB		1.6	2.52	3.68	4.25	5.20	6.00	7.35	7.94	9.49
DCU 1680 T1OB		1.6	3.28	4.81	5.55	6.80	7.85	9.62	10.4	12.4
DCU 1800 T1OB		2.0	3.86	5.66	6.53	8.00	9.24	11.3	12.2	14.6

GX

FLAT JET NOZZLE TIPS / SMALL SIZE

These flat jet tips are the choice for those continuous casting machine sections where only limited space is available between two rollers. They offer a finely atomized spray and a parabolic distribution which allows producing uniform coverage when the jets are properly spaced on the manifold.

Materials T1 Brass
B1 AISI 303 Stainless steel



Tip Code	D mm	Nozzle flow values at different pressure values (lpm) (bar)							
		1,0	1,5	2,0	3,0	4,0	5,0	7,0	10,0
1190xx	1,5	1,10	1,34	1,55	1,90	2,19	2,45	2,90	3,47
1233xx	1,65	1,35	1,65	1,90	2,33	2,69	3,01	3,56	4,25
1310xx	2,0	1,79	2,19	2,53	3,10	3,58	4,00	4,74	5,66
1385xx	2,2	2,11	2,58	2,98	3,65	4,21	4,71	5,58	6,66
1490xx	2,5	2,83	3,46	4,00	4,90	5,66	6,33	7,48	8,95
1581xx	2,7	3,35	4,11	4,74	5,81	6,71	7,50	8,87	10,6
1780xx	3,0	4,50	5,52	6,37	7,80	9,01	10,1	11,9	14,2
1980xx	3,5	5,66	6,93	8,00	9,80	11,3	12,7	15,0	17,9
2124xx	4,0	7,16	8,77	10,1	12,4	14,3	16,0	18,9	22,6
2153xx	4,5	8,83	10,8	12,5	15,3	17,7	19,8	23,4	27,9
2194xx	5,0	11,2	13,7	15,8	19,4	22,4	25,0	29,6	35,4
2245xx	5,5	14,1	17,3	20,0	24,5	28,3	31,6	37,4	44,7

HOW TO COMPOSE THE NOZZLE CODE

The nozzle tips shown on this page can be supplied with different spray angles, whose value is indicated by the third digit in the nozzle code. Therefore the tip code has to be specified as in the following.

GXQ **1780** **B31**
↓
60° deg spray

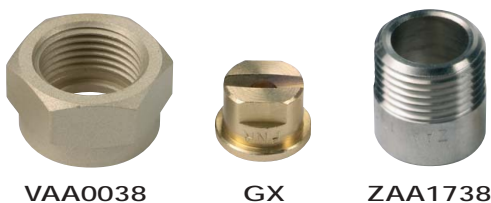
The available codes for the different spray angles are indicated in the table beside.

CODE	ANGLE
GXQ	60°
GXU	90°
GXW	120°

ACCESSORIES

A wide range of accessories for assembling GX tips is shown in our Catalogue CTG AC18 BR.

For continuous casting applications we recommend ZAA welding nipples and VAA series locknuts.



VAA0038

GX

ZAA1738