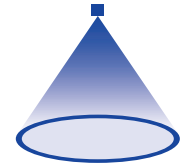


➤ Axial-flow hollow cone nozzles

Series 214/216/218



Features:

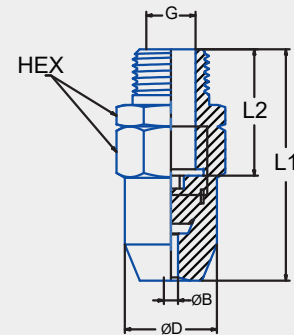
- Fine, uniform atomization

Applications:

- Cooling
- Gas washing
- Dust control
- Sprinkling
- Adiabatic cooling



Series 214/216/218



Ordering no.	Dimensions [in]					Weight [lb]
	Thread size Male NPT	Hex (mm)	L ₁	L ₂	Ø D ₁	
214.xxx.YY.BA	1/8	17	1.531	0.718	0.625	0.15
214.xxx.YY.BC	1/4	17	1.593	0.718	0.625	0.20
216.xxx.YY.BC	1/4	22	1.468	1.156	0.843	0.25
216.xxx.YY.BE	3/8	22	1.468	1.156	0.843	0.25
218.xxx.YY.BG	1/2	27	2.531	1.406	1.031	0.30

Spray angle	Ordering number								Bore diameter B [in]	Narrowest free cross section Ø [in]	V̇ water [gal/min]							Spray diameter D [in] (at p = 75 bar)
	Type	Mat. no.		Connection				p [psi]										
		17	30	Male NPT				10			15	30	45	75	Liters per min. 5 bar	145	290	
				1/8"	1/4"	3/8"	1/2"											
60°	214.184	●	●	BA	BC			0.020	0.020	–	–	0.02	0.027	0.035	0.13	0.05	0.07	5
	216.324	●	●		BC	BE		0.039	0.039	–	0.08	0.11	0.13	0.17	0.63	0.24	0.33	7
	216.364	●	●		BC	BE		0.055	0.055	–	0.12	0.17	0.21	0.27	1.00	0.37	0.53	9
	216.404	●	●		BC	BE		0.079	0.079	–	0.19	0.27	0.33	0.42	1.58	0.59	0.83	9
80°	214.245	●	●	BA	BC			0.039	0.020	–	–	0.04	0.05	0.07	0.25	0.10	0.13	9
	214.305	●	●	BA	BC			0.071	0.020	–	0.06	0.09	0.11	0.14	0.51	0.19	0.27	13
90°	216.496	●	●		BC	BE		0.118	0.079	–	0.32	0.46	0.56	0.72	2.69	1.00	1.42	17
	216.566	●	●		BC	BE		0.157	0.079	–	0.47	0.67	0.82	1.06	3.95	1.48	2.09	17
	216.646	●	●		BC	BE		0.138	0.079	0.62	0.76	1.07	1.32	1.70	6.32	2.36	3.34	17
	216.686	●	●		BC	BE		0.157	0.079	0.78	0.95	1.34	1.65	2.13	7.91	2.95	4.18	18
	216.726	●	●		BC	BE		0.197	0.079	0.98	1.20	1.69	2.07	2.68	9.96	3.72	5.26	18
	216.776	●	●		BC	BE		0.234	0.079	1.31	1.61	2.28	2.79	3.60	13.40	5.01	7.08	19
	218.646	●	●				BG	0.197	0.079	0.62	0.76	1.07	1.32	1.70	6.32	2.36	3.34	20
	218.666	●	●				BG	0.217	0.079	0.70	0.86	1.21	1.48	1.91	7.12	2.66	3.76	20
	218.706	●	●				BG	0.256	0.079	0.87	1.06	1.50	1.84	2.38	8.85	3.31	4.68	20
	218.766	●	●				BG	0.197	0.079	1.24	1.52	2.15	2.63	3.40	12.65	4.73	6.68	20
	218.826	●	●				BG	0.256	0.079	1.74	2.13	3.01	3.69	4.76	17.71	6.62	9.36	20
	218.846	●	●				BG	0.300	0.079	1.94	2.37	3.36	4.11	5.31	19.76	7.38	10.44	20
218.886	●	●				BG	0.354	0.094	2.48	3.04	4.30	5.26	6.80	25.30	9.45	13.37	20	

Also available in BSPP

Conversion formula for this series: $\dot{V}_2 = \dot{V}_1 \cdot \sqrt{\frac{p_2}{p_1}}$

Ordering Type + Material no. + Code = Ordering no.
 example: 214.184 + 17 + BC = 214.184.17.BC



Assembly accessories can be found in Chapter 12 "Accessories".