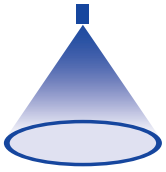
Axial-flow hollow cone nozzles
Series 214/216

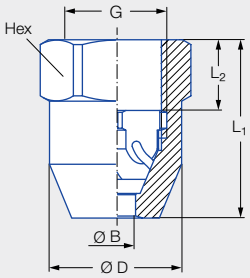


Features:
- Fine, uniform atomization

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



Series 214/216



Series	G	Dimensions [mm]				Weight [g] (Brass)
		L_1	L_2	Ø D	Hex	
214	1/8 BSPP	18.0	6.0	16.0	17	27.0
216	3/8 BSPP	29.0	12.0	21.3	22	60.0

Spray angle	**Ordering no.** Type	Mat. no. **17** Stainless steel 316Ti	Mat. no. **30** Brass	Bore diameter B [mm]	Narrowest free cross section Ø [mm]	**V̇ water [l/min]** **p [bar]** 0.5	1.0	2.0	3.0	**5.0**	10.0	20.0	Spray diameter D [mm] (at p = 5 bar) H =250 [mm]
60°	**214.184**	●	●	0.50	0.50	–	–	0.08	0.10	**0.13**	0.18	0.25	120
	216.324	●	●	1.00	1.00	–	0.28	0.40	0.49	**0.63**	0.89	1.26	190
	216.364	●	●	1.40	1.40	–	0.45	0.63	0.77	**1.00**	1.41	1.99	220
	216.404	●	●	2.00	2.00	–	0.71	1.00	1.22	**1.58**	2.24	3.16	240
80°	**214.245**	●	●	1.00	0.50	–	–	0.16	0.20	**0.25**	0.36	0.51	240
	214.305	●	●	1.80	0.50	–	0.23	0.32	0.39	**0.51**	0.72	1.01	320
90°	**216.496**	●	●	3.00	2.00	–	1.20	1.70	2.08	**2.69**	3.80	5.38	430
	216.566	●	●	4.00	2.00	–	1.77	2.50	3.06	**3.95**	5.59	7.91	430
	216.646	●	●	3.50	2.00	2.00	2.83	4.00	4.90	**6.32**	8.94	12.65	440
	216.686	●	●	4.00	2.00	2.50	3.54	5.00	6.12	**7.91**	11.18	15.81	450
	216.726	●	●	5.00	2.00	3.15	4.45	6.30	7.72	**9.96**	14.09	19.92	460
	216.776	●	●	6.00	2.00	4.30	6.00	8.50	10.40	**13.40**	19.00	26.90	470

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

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

Assembly accessories can be found in Chapter 9 “Accessories”.