

Low pressure solid stream nozzles

Series 544

Properties:

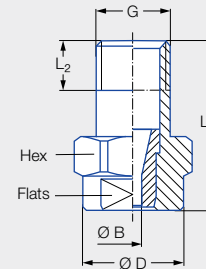
- Concentrated solid stream jet
- High impact

Applications:

- Cleaning and washing processes
- Injection
- Targeted cooling
- Pasteurization



Series 544



Code	G	Dimensions [in]					Weight [lb] (Brass)
		L ₁	L ₂	Ø D	Hex	Flats	
BA	1/8 NPT	0.87	0.26	0.51	9/16	10	0.03
BC	1/4 NPT	0.87	0.39	0.51	9/16	10	0.04

Ordering no.					Bore diameter B [in]	ṽ water [gal/min]									
Type	Mat. no.		Code			p [psi]									
	16	30	1/8 NPT	1/4 NPT		10	20	30	40	60	Liters per min.	80	100	200	400
											5 bar				
544.110	●	●	BA	BC	0.009	0.006	0.008	0.010	0.012	0.014	0.06	0.017	0.019	0.026	0.037
544.160	●		BA	BC	0.013	0.009	0.012	0.015	0.018	0.022	0.09	0.025	0.028	0.039	0.056
544.200	●	●	BA	BC	0.015	0.016	0.022	0.027	0.031	0.038	0.16	0.044	0.050	0.070	0.099
544.240	●		BA	BC	0.020	0.02	0.03	0.04	0.05	0.06	0.25	0.07	0.08	0.11	0.15
544.280	●		BA	BC	0.025	0.04	0.05	0.07	0.08	0.09	0.40	0.11	0.12	0.17	0.25
544.320	●	●	BA	BC	0.031	0.06	0.08	0.11	0.12	0.15	0.63	0.17	0.19	0.27	0.39
544.360	●	●	BA	BC	0.041	0.10	0.14	0.17	0.19	0.24	1.00	0.27	0.31	0.44	0.62
544.400	●	●	BA	BC	0.051	0.15	0.22	0.27	0.31	0.38	1.58	0.44	0.49	0.69	0.98
544.480	●	●	BA	BC	0.052	0.25	0.35	0.43	0.49	0.61	2.53	0.70	0.78	1.11	1.57
544.560	●	●	BA	BC	0.065	0.38	0.55	0.67	0.77	0.95	3.95	1.09	1.22	1.73	2.45
544.640	●	●	BA	BC	0.082	0.62	0.87	1.07	1.24	1.52	6.32	1.75	1.96	2.77	3.92
544.720	●	●	BA	BC	0.105	0.97	1.38	1.69	1.95	2.39	9.96	2.76	3.09	4.37	6.18
544.800	●	●	BA	BC	0.130	1.55	2.19	2.69	3.10	3.80	15.81	4.38	4.90	6.93	9.81

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: 544.110 + 16 + BA = 544.110.16.BA

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