

# Low pressure solid stream nozzles

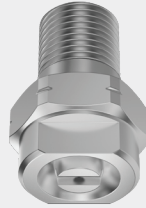
## Series 544

### Properties:

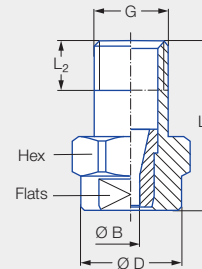
- Concentrated solid stream jet
- High impact

### Applications:

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



Series 544



Code	G	Dimensions [mm]					Weight [g] (Brass)
		L <sub>1</sub>	L <sub>2</sub>	Ø D	Hex	Flats	
<b>CA</b>	1/8 BSPT	22.0	6.5	13.0	14	10	14.0
<b>CC</b>	1/4 BSPT	22.0	10.0	13.0	14	10	16.0

Type	Ordering no.		Bore diameter B [mm]	V̇ water [l/min]												
	Mat. no.			Code		p [bar]										
	16	30		1/8 BSPT	1/4 BSPT	0.5	1.0	2.0	3.0	5.0	10.0	15.0	20.0	30.0		
	Stainless steel 303	Brass				0.5	1.0	2.0	3.0	5.0	10.0	15.0	20.0	30.0		
544.110	●	●	CA	CC	0.23	0.02	0.03	0.04	0.05	<b>0.06</b>	0.08	0.10	0.12	0.15		
544.160	●		CA	CC	0.33	0.03	0.04	0.06	0.07	<b>0.09</b>	0.13	0.16	0.18	0.22		
544.200	●	●	CA	CC	0.39	0.05	0.07	0.10	0.12	<b>0.16</b>	0.23	0.28	0.32	0.39		
544.240	●		CA	CC	0.50	0.08	0.11	0.16	0.19	<b>0.25</b>	0.35	0.43	0.50	0.61		
544.280	●		CA	CC	0.63	0.13	0.18	0.25	0.31	<b>0.40</b>	0.57	0.69	0.80	0.98		
544.320	●	●	CA	CC	0.80	0.20	0.28	0.40	0.49	<b>0.63</b>	0.89	1.09	1.26	1.54		
544.360	●	●	CA	CC	1.05	0.32	0.45	0.63	0.77	<b>1.00</b>	1.41	1.73	2.00	2.45		
544.400	●	●	CA	CC	1.30	0.50	0.71	1.00	1.22	<b>1.58</b>	2.23	2.74	3.16	3.87		
544.480	●	●	CA	CC	1.33	0.80	1.13	1.60	1.96	<b>2.53</b>	3.58	4.38	5.06	6.20		
544.560	●	●	CA	CC	1.65	1.25	1.77	2.50	3.06	<b>3.95</b>	5.59	6.84	7.90	9.68		
544.640	●	●	CA	CC	2.09	2.00	2.83	4.00	4.90	<b>6.32</b>	8.94	10.95	12.64	15.48		
544.720	●	●	CA	CC	2.66	3.15	4.45	6.30	7.71	<b>9.96</b>	14.09	17.25	19.92	24.40		
544.800	●	●	CA	CC	3.30	5.00	7.07	10.00	12.25	<b>15.81</b>	22.36	27.38	31.62	38.73		

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 + CA = 544.110.16.CA

Assembly accessories can be found in Chapter 9 "Accessories".

