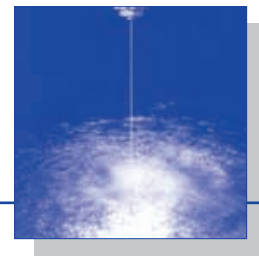




High-pressure solid stream nozzles

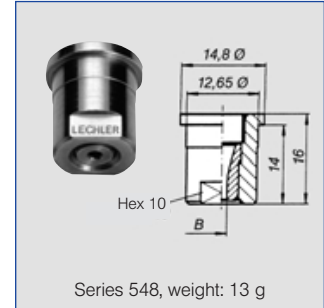
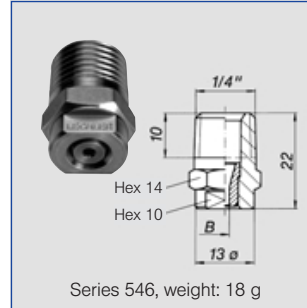
Series 546 / 548 / 550



Punctiform, extremely tight, non-dispersing solid stream. Highest impact.

Applications:
High-pressure cleaning, cutting and separating.

Materials:
Nozzle body: Stainless steel 1.4305/303SS
Insert: hardened steel 1.4034S



[US gal/min.] at 40 psi	Nozzle Code			Flow rate code	B Ø [mm]	\dot{V} [l/min] (Tolerance ± 2%)						
	Connection					p [bar]						
	1/8"	1/4"	Retaining nut			40	60	80	100	150	200	300
02	550	546	548	360	0,84	2,86	3,50	4,04	4,52	5,54	6,39	7,83
03	550	546	548	400	1,03	4,31	5,28	6,10	6,82	8,35	9,64	11,81
034	550	546	548	410	1,07	4,70	5,80	6,70	7,49	9,17	10,59	12,97
035	550	546	548	420	1,11	5,06	6,20	7,16	8,00	9,80	11,32	13,86
04	550	546	548	450	1,19	5,80	7,10	8,20	9,17	11,23	12,97	15,88
045	550	546	548	470	1,26	6,54	8,00	9,25	10,34	12,66	14,62	17,91
05	550	546	548	480	1,33	7,29	8,92	10,30	11,52	14,11	16,29	19,95
055	550	546	548	500	1,39	7,96	9,75	11,26	12,59	15,42	17,80	21,81
06	550	546	548	520	1,46	8,70	10,66	12,31	13,76	16,85	19,46	23,83
08	550	546	548	570	1,69	11,48	14,06	16,23	18,15	22,23	25,67	31,44
10	550	546	548	600	1,88	14,32	17,54	20,25	22,64	27,73	32,02	39,21
15	550	546	548	670	2,30	21,60	26,46	30,55	34,16	41,84	48,31	59,17
20	550	546	548	720	2,66	28,85	35,34	40,80	45,62	55,87	64,52	79,02

B = bore diameter

Connection code	Connection	p _{max} [bar]
A3. 00	BSPT	ca. 350
A3. 07	NPT	ca. 350
A3. 29	Lock nut	ca. 200

Example for ordering: Nozzle Code 550 + Flow rate code 360 + Connection code A3. 07 = Ordering no. 550. 360. A3. 07 (Solid stream; 4,52 l/min. at 100 bar; 1/8" NPT)

Conversion formula for the above series: $\dot{V}_2 = \dot{V}_1 * \sqrt{\frac{p_2}{p_1}}$

