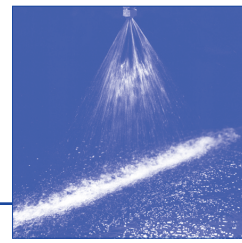




Flat fan nozzles for retaining nut

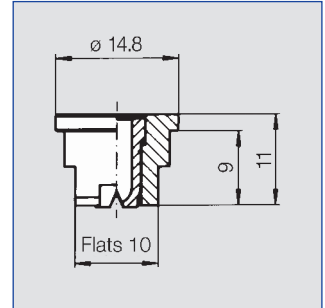
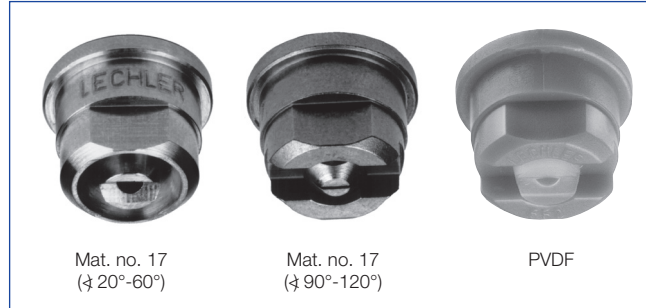
Series 652



Assembly with retaining nut. Easy nozzle changing, simple jet alignment. Parabolic distribution of liquid. Spray pipes equipped with these nozzles show an extremely uniform total liquid distribution.

Applications:

Cleaning, surface treatment, pickling, rinsing.



Spray angle	Ordering no.				A Ø [mm]	E Ø [mm]	V̇ [l/min]						Spray width B	
	Type	Mat. no.		p [bar]						at p=2 bar				
		17 ¹	5E							H = 250 mm	H = 500 mm			
		AISI 316Ti/ AISI 316L	PVDF	0.5			1.0	2.0	[US gal./min] at 40 psi	3.0	5.0	10.0		
20°	652.441	○	○	1.35	1.10	0.62*	0.88	1.25	0.39	1.53	1.98	2.80	65	125
	652.481	○	○	1.50	1.20	0.80*	1.13	1.60	0.50	1.96	2.53	3.58	65	125
30°	652.482	○	○	1.50	1.10	0.80*	1.13	1.60	0.50	1.96	2.53	3.58	115	230
	652.562	○	○	2.00	1.50	1.25	1.77	2.50	0.78	3.06	3.95	5.59	115	230
	652.642	○	-	2.50	1.80	2.00	2.83	4.00	1.24	4.90	6.33	8.94	120	230
	652.722	○	-	3.00	2.40	3.15	4.46	6.30	1.95	7.72	9.96	14.09	120	235
	652.762	○	-	3.50	2.70	4.00	5.66	8.00	2.48	9.80	12.65	17.89	120	235
	652.802	○	-	4.00	3.10	5.00	7.07	10.00	3.10	12.25	15.81	22.36	120	240
45°	652.483	○	○	1.50	1.10	0.80*	1.13	1.60	0.50	1.96	2.53	3.58	185	340
	652.563	○	○	2.00	1.40	1.25	1.77	2.50	0.78	3.06	3.95	5.59	185	340
	652.643	○	○	2.50	1.80	2.00	2.83	4.00	1.24	4.90	6.33	8.94	185	345
	652.723	○	-	3.00	2.40	3.15	4.46	6.30	1.95	7.72	9.96	14.09	190	355
	652.763	○	-	3.50	2.60	4.00	5.66	8.00	2.48	9.80	12.65	17.89	190	355
	652.803	○	-	4.00	3.00	5.00	7.07	10.00	3.10	12.25	15.81	22.36	195	360
60°	652.484	○	○	1.50	1.00	0.80*	1.13	1.60	0.50	1.96	2.53	3.58	280	530
	652.514	○	○	1.65	1.10	0.95*	1.34	1.90	0.59	2.33	3.00	4.25	280	530
	652.564	○	○	2.00	1.30	1.25	1.77	2.50	0.78	3.06	3.95	5.59	280	525
	652.604	○	○	2.20	1.50	1.58	2.23	3.15	0.98	3.86	4.98	7.04	280	520
	652.644	○	○	2.50	1.60	2.00	2.83	4.00	1.24	4.90	6.33	8.94	275	520
	652.674	○	○	2.70	1.80	2.38	3.36	4.75	1.47	5.82	7.51	10.62	275	520
	652.724	○	○	3.00	2.10	3.15	4.46	6.30	1.95	7.72	9.96	14.09	275	520
	652.764	○	-	3.50	2.30	4.00	5.66	8.00	2.48	9.80	12.65	17.89	270	515
	652.804	○	○	4.00	2.60	5.00	7.07	10.00	3.10	12.25	15.81	22.36	270	510
	652.844	-	○	4.50	3.00	6.25	8.84	12.50	3.88	15.31	19.76	27.95	270	510
90°	652.566	○	○	2.00	1.10	1.25	1.77	2.50	0.78	3.06	3.95	5.59	450	805
	652.606	○	○	2.20	1.20	1.58	2.23	3.15	0.98	3.86	4.98	7.04	450	805
	652.646	○	○	2.50	1.30	2.00	2.83	4.00	1.24	4.90	6.33	8.94	450	805
	652.676	○	○	2.70	1.40	2.38	3.36	4.75	1.47	5.82	7.51	10.62	450	810
	652.726	○	○	3.00	1.70	3.15	4.46	6.30	1.95	7.72	9.96	14.09	450	810
	652.766	○	-	3.50	1.90	4.00	5.66	8.00	2.48	9.80	12.65	17.89	450	815
	652.806	○	○	4.00	2.40	5.00	7.07	10.00	3.10	12.25	15.81	22.36	450	820
	652.846	-	○	4.50	2.40	6.25	8.84	12.50	3.88	15.31	19.76	27.95	450	820
	652.886	-	○	5.00	3.10	8.00	11.31	16.00	4.96	19.60	25.30	35.78	450	835
	120°	652.607	○	○	2.20	1.10	1.58	2.23	3.15	0.98	3.86	4.98	7.04	675
652.647		○	-	2.50	1.30	2.00	2.83	4.00	1.24	4.90	6.33	8.94	680	1295
652.677		○	-	2.70	1.40	2.38	3.36	4.75	1.47	5.82	7.51	10.62	685	1300
652.727		○	○	3.00	1.60	3.15	4.46	6.30	1.95	7.72	9.96	14.09	695	1315
652.767		○	-	3.50	1.70	4.00	5.66	8.00	2.48	9.80	12.65	17.89	705	1330
652.847		-	○	4.50	2.30	6.25	8.84	12.50	3.88	15.31	19.76	27.95	800	1460
652.887		-	○	5.00	2.60	8.00	11.31	16.00	4.96	19.60	25.30	35.78	800	1460

¹We reserve the right to deliver AISI 316Ti or AISI 316L under the material no. 17.
A = equivalent bore diameter · E = Narrowest free cross section ·
*differing spray pattern

Example of ordering: Type **652.441** + Material no. **17** = Ordering no. **652.441.17**

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

