

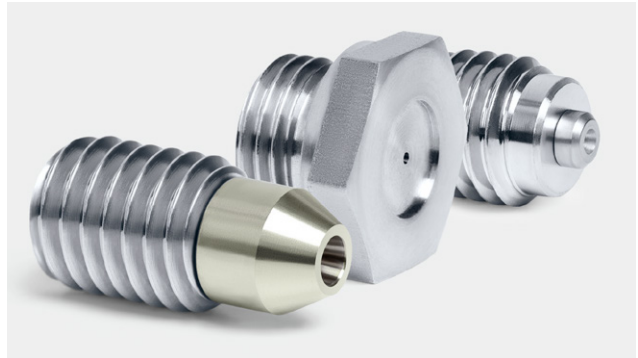
EHS high-performance circular spray nozzles Data sheet

Model variants



High-performance plug-in nozzles

These were designed especially for use with hand lances. Depending on the design variant, they can be used at an operating pressure of 2500 bar and are particularly impressive in terms of their efficiency, quality and service life. Their convenient shape means they can easily be fitted to hand lances using union nuts.



High-performance circular spray nozzles

These are constructed as screw-in nozzles with a metric thread. Depending on the design, they are available with standard thread sizes and can be integrated directly into a metric ISO thread or ISO fine-thread connector.



High-performance nozzle exit unit

The nozzle exit unit, produced in hard metal, can be used at operating pressures of up to 3000 bar depending on its design. Different flow rates and different high operating pressures are achieved depending on the bore size. This makes it easy to adapt to the specific circumstances of the customer.

EHS circular spray plug-in nozzles

	Model	Size [mm]	Material	Bore sizes [mm]	Pressure range [bar]
	RS 50	Ø 3.25/Ø 4.5 Length: 4.0	High-grade steel, hardened	Ø 0.15 – Ø 1.5	1500
	RS 100	Ø 8/Ø 12 Length: 12.0	High-grade steel, hardened	Ø 0.5 – Ø 2.4	1500
	RS 200	Ø 8/Ø 12 Length: 24.0	High-grade steel, hardened	Ø 0.7 – Ø 5.2	1500
	RS 300	Ø 8/Ø 14 Length: 20.0	High-grade steel, hardened	Ø 0.6 – Ø 0.8	2500
	RS 201	Ø 8/Ø 12 Length: 20.0	High-grade steel, hardened	Ø 0.6 – Ø 1.2	1500
	RS 301	Ø 8/Ø 14 Length: 24.0	High-grade steel, hardened	Ø 0.9 – Ø 5.2	2500
	RS 400	Ø 17/Ø 12 Length: 25.0 – 28.6	High-grade steel, hardened	Ø 1.0 – Ø 6.0	1200

EHS circular spray plug-in nozzles with attached nozzle exit unit

	Model	Size [mm]	Material	Bore sizes [mm]	Pressure range [bar]
	RS-ME 100	Ø 8/Ø 12 Length: 12.0 Nozzle exit unit: M3	High-grade steel, hardened	Ø 0.2 – Ø 0.6	1500
	RS-ME 200	Ø 8/Ø 12 Length: 24.0 Nozzle exit unit: M3	High-grade steel, hardened	Ø 0.2 – Ø 0.6	1500

EHS circular spray nozzle exit units

	Model	Size [mm]	Material	Bore sizes [mm]	Pressure range [bar]
	ME-R 03	M 3 AG Length: 3.2 – 3.9	High-grade steel, hardened	Ø 0.2 – Ø 0.6	3000
	ME-R 04	M 4 AG Length: 5.3	High-grade steel, hardened	Ø 0.2 – Ø 1.9	3000
	ME-R 05	M 5 AG Length: 5.8	High-grade steel, hardened	Ø 0.4 – Ø 2.7	3000
	ME-R 06	M 6 AG Length: 7.0	High-grade steel, hardened	Ø 0.4 – Ø 2.7	3000

EHS circular spray screw-in nozzles

	Model	Size [mm]	Material	Bore sizes [mm]	Pressure range [bar]
	RS-GK 10	M 10 AG Length: 19.7 Hexagonal socket: 5	High-grade steel, hardened Sealing cone: bronze	Ø 0.15 – Ø 1.5	3000
	RS-GS 10	M 10 AG Length: 19.7 Hexagonal socket: 5 with stabiliser	High-grade steel, hardened Sealing cone: bronze	Ø 0.15 – Ø 1.5	3000
	RS-G 12	M 12 AG Length: 13.4	High-grade steel, hardened	Ø 0.15 – Ø 1.5	2500
	RS-G 140	G 1/4 AG Length: 12.6 SW 17	High-grade steel	Ø 0.4 – Ø 7.0	400

Capacity [l/min]

Bore size [mm]	Pressure [bar]									
	50	100	250	500	750	1000	1500	2000	2500	3000
0.15	0.10	0.14	0.23	0.32	0.39	0.46	0.56	0.64	0.72	0.79
0.2	0.18	0.26	0.41	0.57	0.70	0.81	0.99	1.15	1.28	1.40
0.25	0.28	0.40	0.63	0.90	1.10	1.27	1.55	1.79	2.00	2.19
0.3	0.41	0.58	0.91	1.29	1.58	1.82	2.23	2.58	2.88	3.16
0.35	0.56	0.78	1.24	1.76	2.15	2.48	3.04	3.51	3.92	4.30
0.4	0.72	1.03	1.62	2.29	2.81	3.24	3.97	4.58	5.13	5.62
0.43	0.84	1.18	1.87	2.65	3.24	3.75	4.59	5.30	5.92	6.49
0.45	0.92	1.30	2.05	2.90	3.55	4.10	5.03	5.80	6.49	7.11
0.5	1.13	1.60	2.53	3.58	4.39	5.07	6.20	7.16	8.01	8.77
0.55	1.37	1.94	3.06	4.33	5.31	6.13	7.51	8.67	9.69	10.62
0.6	1.63	2.31	3.65	5.16	6.32	7.29	8.93	10.32	11.53	12.63
0.65	1.91	2.71	4.28	6.05	7.41	8.56	10.48	12.11	13.54	14.83
0.7	2.22	3.14	4.96	7.02	8.60	9.93	12.16	14.04	15.70	17.20
0.75	2.55	3.60	5.70	8.06	9.87	11.40	13.96	16.12	18.02	19.74
0.8	2.90	4.10	6.48	9.17	11.23	12.97	15.88	18.34	20.50	22.46
0.85	3.27	4.63	7.32	10.35	12.68	14.64	17.93	20.70	23.15	25.36
0.9	3.67	5.19	8.21	11.61	14.21	16.41	20.10	23.21	25.95	28.43
0.95	4.09	5.78	9.14	12.93	15.84	18.29	22.40	25.86	28.91	31.67
1	4.53	6.41	10.13	14.33	17.55	20.26	24.82	28.65	32.04	35.09
1.05	5.00	7.06	11.17	15.80	19.35	22.34	27.36	31.59	35.32	38.69
1.1	5.48	7.75	12.26	17.34	21.23	24.52	30.03	34.67	38.76	42.46
1.15	5.99	8.47	13.40	18.95	23.21	26.80	32.82	37.90	42.37	46.41
1.2	6.52	9.23	14.59	20.63	25.27	29.18	35.73	41.26	46.13	50.54
1.3	7.66	10.83	17.12	24.21	29.65	34.24	41.94	48.43	54.14	59.31
1.4	8.88	12.56	19.86	28.08	34.39	39.71	48.64	56.16	62.79	68.79
1.5	10.19	14.42	22.79	32.24	39.48	45.59	55.84	64.47	72.08	78.96
1.6	11.60	16.40	25.94	36.68	44.92	51.87	63.53	73.36	82.01	89.84
1.7	13.09	18.52	29.28	41.41	50.71	58.56	71.72	82.81	92.59	101.42
1.8	14.68	20.76	32.82	46.42	56.85	65.65	80.40	92.84	103.80	113.71
1.9	16.36	23.13	36.57	51.72	63.35	73.15	89.58	103.44	115.65	126.69
2	18.12	25.63	40.52	57.31	70.19	81.05	99.26	114.62	128.15	140.38
2.1	19.98	28.26	44.68	63.18	77.38	89.35	109.44	126.37	141.28	154.77
2.2	21.93	31.01	49.03	69.34	84.93	98.07	120.11	138.69	155.06	169.86
2.3	23.97	33.89	53.59	75.79	92.83	107.19	131.27	151.58	169.47	185.65
2.4	26.10	36.91	58.35	82.53	101.07	116.71	142.94	165.05	184.53	202.14
2.5	28.32	40.05	63.32	89.55	109.67	126.64	155.10	179.09	200.23	219.34
2.6	30.63	43.31	68.49	96.85	118.62	136.97	167.75	193.71	216.57	237.24
2.7	33.03	46.71	73.85	104.45	127.92	147.71	180.91	208.89	233.55	255.84
2.8	35.52	50.23	79.43	112.33	137.57	158.85	194.55	224.65	251.17	275.14
2.9	38.10	53.89	85.20	120.49	147.57	170.40	208.70	240.99	269.43	295.15
3	40.78	57.67	91.18	128.95	157.93	182.36	223.34	257.89	288.33	315.85
3.1	43.54	61.57	97.36	137.69	168.63	194.72	238.48	275.37	307.87	337.26
3.2	46.39	65.61	103.74	146.71	179.68	207.48	254.11	293.42	328.06	359.37
3.3	49.34	69.78	110.33	156.02	191.09	220.65	270.24	312.05	348.88	382.18
3.4	52.37	74.07	117.11	165.62	202.85	234.23	286.87	331.25	370.35	405.69
3.5	55.50	78.49	124.10	175.51	214.95	248.21	303.99	351.02	392.45	429.91
3.6	58.72	83.04	131.30	185.68	227.41	262.59	321.61	371.36	415.20	454.83
3.7	62.03	87.72	138.69	196.14	240.22	277.39	339.73	392.28	438.58	480.45
3.8	65.42	92.52	146.29	206.89	253.38	292.58	358.34	413.77	462.61	506.77
3.9	68.91	97.46	154.09	217.92	266.89	308.18	377.45	435.84	487.28	533.79
4	72.49	102.52	162.10	229.24	280.76	324.19	397.05	458.47	512.59	561.51
4.1	76.16	107.71	170.30	240.84	294.97	340.60	417.15	481.68	538.54	589.94
4.2	79.92	113.03	178.71	252.73	309.53	357.42	437.75	505.47	565.13	619.07
4.3	83.77	118.47	187.32	264.91	324.45	374.64	458.84	529.82	592.36	648.90
4.4	87.71	124.05	196.14	277.38	339.72	392.27	480.43	554.75	620.23	679.43
4.5	91.75	129.75	205.15	290.13	355.33	410.30	502.52	580.26	648.75	710.67



E. u. H. Schmidt GmbH + Co. KG
Hutstraße 4
96253 Untersiemau/Coburg
Germany
Tel.: +49 9565 9481-0

www.schmidt-ehs.com
sales@schmidt-ehs.com