

KOD 500-2500



Technical Data

Model*	Max. GPM (LPM)	Max. PSI (bar)	Outer Diameter in (mm)	Length in (mm)	Nozzles/ Rotor ø[mm]	Weight lbs. (kg)	Spray Angle	Connection Female
KOD 500	12.7 (48)	7,250 (500)	1.7" (43)	4.3" (109)	0.60-2.05	1.4 (0.65)	22°	1/4" BSP
KOD 800	10.0 (38)	11,600 (800)	1.7" (43)	5.2" (133)	0.60-2.05	1.5 (0.70)	22°	3/8" BSP
KOD 1000	9.2 (35)	14,500 (1000)	1.9" (49)	5.3" (135)	0.60-2.05	2.6 (1.2)	22°	3/8" BSP
KOD 1500	7.4 (28)	21,750 (1500)	1.9" (49)	5.3" (135)	0.60-2.05	2.6 (1.2)	22°	M14 x 1.5LH
KOD 2500	5.5 (21)	36,250 (2500)	1.9" (49)	5.3" (135)	0.60-1.55	2.9 (1.3)	22°	M26 x 1.5

*Maximum temperature 212 °F (100 °C)

When ordering please indicate model and nozzle size or flow and operating pressure

Applications

- Removal of concrete; laying bare reinforcements
- Cleaning and washing of concrete and stones

Note

When ordering nozzle inserts as replacements, always make sure that the drive tube with o-ring matches the actual rotor size fitted in the nozzle (see back).

That means: If it is intended to order a nozzle insert which differs in size from the rotor in the nozzle in original condition, it is essential in such cases to also order the corresponding drive tube with o-ring (see back page).

Selection Table for KOD Industrial Turbo Nozzles

METRIC

Nozzle Selection Table for Orbital Nozzles KOD

Nozzle □ mm	l/min at 200 bar	l/min at 500 bar	l/min at 800 bar	l/min at 1000 bar	l/min at 1250 bar	l/min at 1500 bar	l/min at 1750 bar	l/min at 2000 bar	l/min at 2250 bar	l/min at 2500 bar
0.60	2.84	4.51	5.68	6.33	7.04	7.68	8.25	8.78	9.27	9.72
0.65	3.33	5.23	6.58	7.33	8.16	8.90	9.56	10.17	10.74	11.27
0.70	3.40	5.35	6.73	7.49	8.34	9.09	9.77	10.39	10.97	11.51
0.75	3.72	5.99	7.37	8.25	9.18	10.01	10.76	11.45	12.09	12.68
0.80	4.71	7.35	9.16	10.31	11.48	12.51	13.45	14.31	15.11	15.85
0.85	5.08	7.90	9.92	11.19	12.46	13.58	14.60	15.53	16.40	17.20
0.90	6.33	9.88	12.44	13.89	15.45	16.85	18.11	19.27	20.34	21.34
0.95	6.79	10.67	13.29	15.01	16.70	18.21	19.56	20.83	21.98	23.06
1.00	7.96	12.53	15.75	17.15	19.08	20.80	22.36	23.79	25.12	26.35
1.05	8.58	13.57	17.07	19.02	21.16	23.07	24.80	26.39	27.86	29.22
1.10	9.81	15.38	19.32	21.52	23.95	26.11	28.07	29.87	31.82	33.07
1.15	10.42	16.38	20.60	22.95	25.54	27.84	29.93	31.85	33.82	35.26
1.20	12.07	18.83	23.72	26.42	29.40	32.05	34.45	36.66	38.69	40.59
1.25	13.13	20.53	25.76	28.70	31.93	34.82	37.43	39.82	42.03	44.09
1.30	14.04	23.08	29.04	32.35	36.00	39.25	42.19	44.89	47.38	49.70
1.35	15.69	24.68	30.93	34.45	38.34	41.80	44.93	47.81	50.46	52.93
1.40	16.91	26.59	33.26	37.05	41.23	44.95	48.32	51.41	54.27	56.93
1.45	18.24	28.68	36.07	40.18	44.71	48.75	52.40	55.75	58.85	61.73
1.50	19.41	30.52	38.39	42.77	47.59	51.88	55.78	59.34	62.64	65.71
1.55	20.84	32.77	41.22	45.91	51.09	55.70	59.88	63.71	67.25	70.54
1.60	22.21	34.92	43.92	48.92	54.44	59.35				
1.65	23.61	37.13	46.71	52.03	57.90	63.12				
1.70	25.07	39.42	49.58	55.23	61.46	67.01				
1.75	26.56	41.77	52.54	58.32	65.13	71.00				
1.80	28.10	44.19	55.59	61.92	68.90	75.12				
1.85	29.69	46.68	58.72	65.40	72.78	79.35				
1.90	31.31	49.24	61.94	68.99	76.77	83.70				
1.95	32.98	51.86	65.24	72.67	80.86	88.16				
2.00	34.70	54.56	68.63	76.44	85.06	92.74				
2.05	36.45	57.32	72.10	80.31	89.37	97.44				

< 150 N

< 250 N

> 250 N

not available

US

Nozzle Selection Table for Orbital Nozzles KOD

Nozzle □ mm	GPM at 3000 PSI	GPM at 7250 PSI	GPM at 11,600 PSI	GPM at 14,500 PSI	GPM at 18,125 PSI	GPM at 21,750 PSI	GPM at 25,375 PSI	GPM at 29,000 PSI	GPM at 32,625 PSI	GPM at 36,265 PSI
0.60	0.75	1.19	1.50	1.67	1.86	2.03	2.18	2.32	2.45	2.57
0.65	0.88	1.38	1.74	1.94	2.16	2.35	2.53	2.69	2.84	2.98
0.70	0.90	1.41	1.78	1.98	2.20	2.40	2.58	2.75	2.90	3.04
0.75	0.98	1.58	1.95	2.18	2.43	2.64	2.84	3.03	3.19	3.35
0.80	1.24	1.94	2.42	2.72	3.03	3.31	3.55	3.78	3.99	4.19
0.85	1.34	2.09	2.62	2.96	3.29	3.59	3.86	4.10	4.33	4.54
0.90	1.67	2.61	3.29	3.67	4.08	4.45	4.78	5.09	5.37	5.64
0.95	1.79	2.82	3.51	3.97	4.41	4.81	5.17	5.50	5.81	6.09
1.00	2.10	3.31	4.16	4.53	5.04	5.50	5.91	6.29	6.64	6.96
1.05	2.27	3.59	4.51	5.03	5.59	6.10	6.55	6.97	7.36	7.72
1.10	2.59	4.06	5.10	5.69	6.33	6.90	7.42	7.89	8.33	8.74
1.15	2.75	4.33	5.44	6.06	6.75	7.36	7.91	8.41	8.88	9.32
1.20	3.19	4.97	6.27	6.98	7.77	8.47	9.10	9.69	10.22	10.72
1.25	3.47	5.42	6.81	7.58	8.44	9.20	9.89	10.52	11.10	11.65
1.30	3.71	6.10	7.67	8.55	9.51	10.37	11.15	11.86	12.52	13.13
1.35	4.15	6.52	8.17	9.10	10.13	11.04	11.87	12.71	13.53	13.98
1.40	4.47	7.03	8.79	9.79	10.89	11.88	12.77	13.58	14.34	15.04
1.45	4.82	7.58	9.53	10.62	11.81	12.88	13.84	14.73	15.55	16.31
1.50	5.13	8.06	10.14	11.30	12.57	13.71	14.74	15.68	16.55	17.36
1.55	5.51	8.66	10.89	12.13	13.50	14.72	15.82	16.83	17.77	18.64
1.60	5.87	9.23	11.60	12.92	14.38	15.68				
1.65	6.24	9.81	12.34	13.75	15.30	16.68				
1.70	6.62	10.41	13.10	14.59	16.24	17.70				
1.75	7.02	11.04	13.88	15.41	17.21	18.76				
1.80	7.42	11.68	14.69	16.36	18.20	19.85				
1.85	7.84	12.33	15.51	17.28	19.23	20.96				
1.90	8.27	13.01	16.36	18.23	20.28	22.11				
1.95	8.71	13.70	17.24	19.20	21.36	23.29				
2.00	9.17	14.41	18.13	20.20	22.47	24.50				
2.05	9.63	15.14	19.05	21.22	23.61	25.74				

< 33.7 lbf

< 56.2 lbf

> 56.2 lbf

not available

Industrial Turbo Nozzles KOD 500-2500

Type	Rotor ø [mm]	Drive Tube	Connection	Part No.
KOD 500 (F4)	1.35	2 x 2.40 mm	1/4" BSP	7012749
	1.50	2 x 2.60 mm		7010659
	1.60	2 x 2.80 mm		7012748
KOD 800 (F3)	0.95	2 x 1.00 mm	3/8" BSP	7017128
	1.15	2 x 1.40 mm		7017129
	1.20	2 x 1.80 mm		7009305
	1.25	2 x 1.80 mm		7012747
	1.35	2 x 2.40 mm		7012306
	1.40	2 x 2.40 mm		7010834
	1.45	2 x 2.60 mm		7009239
	1.50	2 x 2.60 mm		7007071
	1.60	2 x 2.80 mm		7007072
	1.65	2 x 3.00 mm		7007073
	1.80	2 x 3.20 mm		7007074
KOD 1000 (F2)	2.05	2 x 3.00 mm	7007075	
	1.05	2 x 1.20 mm	3/8" BSP	7009792
	1.10	2 x 1.40 mm		7009867
	1.15	2 x 1.40 mm		7014165
	1.20	2 x 1.80 mm		7007076
	1.25	2 x 1.80 mm		7007077
	1.35	2 x 2.40 mm		7007078
	1.40	2 x 2.40 mm		7007079
	1.50	2 x 2.60 mm		7007080
	1.55	2 x 2.80 mm		7007081
	1.60	2 x 2.80 mm		7007082
	1.70	2 x 3.00 mm		7007083
1.75	2 x 3.00 mm	7027661		
KOD 1500 (F1)	0.80	2 x 0.80 mm	M 14 x 1.5 LH	7007084
	0.95	2 x 1.00 mm		7007085
	1.00	2 x 1.20 mm		7007088
	1.05	2 x 1.20 mm		7007086
	1.10	2 x 1.40 mm		7007087
	1.20	2 x 1.80 mm		7007089
	1.25	2 x 1.80 mm		7007090
	1.35	2 x 2.40 mm		7007091
	1.50	2 x 2.60 mm		7012818
KOD 2500 (F25) Black Edition	0.65	2 x 0.65 mm		7013577
	0.80	2 x 0.80 mm		7007092
	0.85	2 x 0.80 mm		7007093
Steel protective cover for Nozzle models KOD 1500-2500				7008308

Additional nozzle types and sizes available on request

Industrial Turbo Nozzles KOD 500-2500 Spare Parts

Nozzle insert (rotor, valve seat and o-ring) and drive tube



Nozzle insert consists of: Rotor and valve seat with O-Ring

Rotor \varnothing in mm	Part No.	Required drive tube with o-ring	Part No.
0.40*	7012212	2 x 0.40 mm	7012213
0.45*	7012742	2 x 0.45 mm	7012743
0.60*	7007094	2 x 0.60 mm	7010581
0.65	7012240	2 x 0.65 mm	7013576
0.80	7007095	2 x 0.80 mm	7008287
0.85	7011281	2 x 0.80 mm	7008287
0.90	7008666	2 x 1.00 mm	7010580
0.95	7007096	2 x 1.00 mm	7010580
1.00	7009696	2 x 1.20 mm	7010582
1.05	7008102	2 x 1.20 mm	7010582
1.10	7009690	2 x 1.40 mm	7010583
1.15	7012750	2 x 1.40 mm	7010583
1.20	7007097	2 x 1.80 mm	7010584
1.25	7007098	2 x 1.80 mm	7010584
1.30	7007099	2 x 2.40 mm	7007110
1.35	7007100	2 x 2.40 mm	7007110
1.40	7007101	2 x 2.40 mm	7007110
1.50	7007102	2 x 2.60 mm	7010585
1.55	7007103	2 x 2.80 mm	7010586
1.60	7008667	2 x 2.80 mm	7010586
1.65	7007104	2 x 3.00 mm	7010587
1.75	7007105	2 x 3.00 mm	7010587
1.80	7007106	2 x 3.20 mm	7007111
2.00	7007107	2 x 3.00 mm	7008524
2.05	7009322	2 x 3.00 mm	7008524

Inlet Cover	Part No.
3/8" BSP	7007108
M 14 x 1.5 LH	7007109
9/16" UNF LH	7010657

Seal	Part No.
O-Ring for valve seat	7008527
O-Ring for inlet cover	7008528
O-Ring for drive tube	1060191

*Only for repair

Further diameters available on request