

MECHANICAL SEALS FOR KSB® KLEIN PUMPS

STEEL/GRAPHITE/FPM

ROTEN®

Rotation: uni directional right. This mechanical seal is available only with RH spring

Stationary ring: with O-ring - Max pressure: 12 bar

Temperature: -30° max +180°

Use: solvents, acids, hydrocarbons (no acetates, ketones, ethers)



ALUMINA/GRAPHITE/EPDM or FPM

Rotation: uni directional, depending on the code chosen.

Stationary ring: with O-ring - Max pressure: 16 bar

Temperature: -45° max +150° EPDM, -30° max +180° FPM

Use: water, clean liquids



EXTENDED TAIL

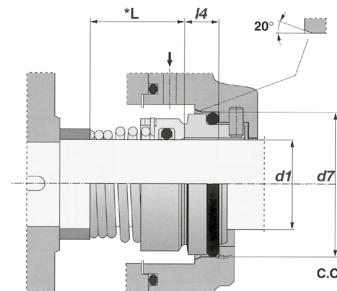
WIDIA/WIDIA/FPM

Rotation: uni directional right. This seal is available only with RH spring

Stationary ring: with O-ring - Max pressure: 16 bar

Temperature: -30° max +180°

Use: solvents, acids, hydrocarbons (no acetates, ketones, ethers)



Dimensions mm

SHAFT	ROT PART.	STATIONARY RING.		DESCRIPTION		MATERIAL	COMPLETE MECHANICAL SEAL		STATIONARY RING	
d1	L	d7	l4				CODE	€	CODE	€
9	17.7	20	5.7	ROTEN 3S D.9 X1E1H1E1Z1V1E1	X7H72V7	ALUMINA/GRAPHITE/EPDM	0104009	9.70	0154009	4.27
10	17.8	19.2	6.2	ROTEN 3S D.10 X1E1H1E1Z1V1E1	X7H72V7	ALUMINA/GRAPHITE/EPDM	0104010	9.86	0154010	6.95
14	22	23.1	6	ROTEN 3S D.14 X1E1H1E1Z1V1E1	X7H72V7	ALUMINA/GRAPHITE/EPDM	0104014	13.05	0154014	5.15
				ROTEN 3S D.14 X1E1H1E1Z1V1E1 SX	X7H72V7	ALUMINA/GRAPHITE/EPDM	0104114	13.05		
16	23	26.9	7	ROTEN 3S D.16 X1E1H1E1Z1V1E1	X7H72V7	ALUMINA/GRAPHITE/EPDM	0104016	15.08	0154016	5.76
				ROTEN 3S D.16 X1E1H1E1Z1V1E1 SX	X7H72V7	ALUMINA/GRAPHITE/EPDM	0104116	15.08		
18	24	30.9	8	ROTEN 3S D.18 X1E1H1E1Z1V1E1	X7H72V7	ALUMINA/GRAPHITE/EPDM	0104018	18.52	0154018**	6.30
				ROTEN 3S D.18 X1E1H1E1Z1V1E1 SX	X7H72V7	ALUMINA/GRAPHITE/EPDM	0104118	18.52		
20	25	33.6	8	ROTEN 3S D.20 X1Y1X1Y1Z1V1Y1	XYXY2VY	ALUMINA/GRAPHITE/FPM	0104120*	32.58	0154020	10.82
				ROTEN 2S D.20 X1Y1G1V1Y1	XYGVY	STEEL/GRAPHITE/FPM	0104020*	28.72		
				ROTEN 2S D.20 X1Y13131Y1 CL	XY33Y	WIDIA/WIDIA/FPM	0104220*	208.68		
22	25	35.4	8	ROTEN 3S D.22 X1E1H1E1Z1V1E1	X7H72V7	ALUMINA/GRAPHITE/EPDM	0104022	21.83	0154022	7.45
				ROTEN 3S D.22 X1E1H1E1Z1V1E1 SX	X7H72V7	ALUMINA/GRAPHITE/EPDM	0104122	21.83		
				ROTEN 2S D.25 X1Y1G1V1Y1	XYGVY	STEEL/GRAPHITE/FPM	0104025	38.65	0154025	13.6
25	26	36	7.5	ROTEN 3S D.25 X1Y1H1Y1Z1V1Y1	XYHY2VY	ALUMINA/GRAPHITE/FPM	0104125	38.24		
				ROTEN 2S D.25 X1Y13131Y1 CL	XY33Y	WIDIA/WIDIA/FPM	0104225	277.94		
				UNITEN 2 D.28 X1Y1G1V1Y1	XYGVY	STEEL/GRAPHITE/FPM	0104028	46.70	0154028	19.85
28	40	43	10	UNITEN 3S D.28 X1Y1X1Y1Z1V1	XYXY2VY	ALUMINA/GRAPHITE/FPM	0104128	50.61		
				UNITEN 2 D.28 X1Y13131Y1 CL	XY33Y	WIDIA/WIDIA/FPM	0104228	327.87		
				ROTEN 2S D.30 X1Y1G1V1Y1	XYGVY	STEEL/GRAPHITE/FPM	0104030	50.65	0154030	21.46
30	26	45	10	ROTEN 3S D.30 X1Y1X1Y1Z1V1	XYXY2VY	ALUMINA/GRAPHITE/FPM	0104130	58.78		
				ROTEN 2S D.30 X1Y13131Y1 CL	XY33Y	WIDIA/WIDIA/FPM	0104230	372.64		
				UNITEN 2 D.38 X1Y1G1V1Y1	XYGVY	STEEL/GRAPHITE/FPM	0104038	90.90	0154038	41.21
38	42	56	13	UNITEN 3 D.38 X1Y1X1Y1Z1V1Y1	XYXY2VY	ALUMINA/GRAPHITE/FPM	0104138	110.13		
				UNITEN 2 D.38 X1Y13131Y1 CL	XY33Y	WIDIA/WIDIA/FPM	0104238	505.55		
				UNITEN 2K D.40 X1Y1G1V1Y1	XYGVY	STEEL/GRAPHITE/FPM	0104040	102.54	0154040	46.55
40	32	58	13	UNITEN 2K D.40 X1Y13131Y1 CL	XY33Y	WIDIA/WIDIA/FPM	0104240	560.27		

**limited stocks

* + 12 mm shim Ø 14-16-18-22 - In these diameters, simple mechanical seals or double, opposing RH + LH mechanical seals are used. Ø 40 - For this diameter, the ROTEN 2S mechanical seal is always used.