

RELY ON EXCELLENCE

AX25D

Mechanical seals | Mechanical seals for pumps | Pusher seals



Features

- Dual seal
- Balanced
- Independent of direction of rotation
- Independent of pressure direction

Advantages

- Robust and easy to install design
- Springs protected from the product
- No metal parts on the product side
- Simple conversion of gland packings

Operating range

Shaft diameter:

d1 = 20 ... 300 mm (0.79" ... 11.81")

Pressure: p1 = 16 bar (232 PSI)

Temperature:

t = -40 °C ... 220 °C (-40 °F ... 428 °F)

Sliding velocity: vg = 20 m/s (66 ft/s)

Materials

Seal face:

Silicon Carbide (Q2), CrMo cast steel (S)

Seat: Carbon graphite resin impregnated (B), Silicon carbide (Q2)

Secondary seals:

EPDM (E), NBR (P), FKM (V), FFKM (K), coated (M)

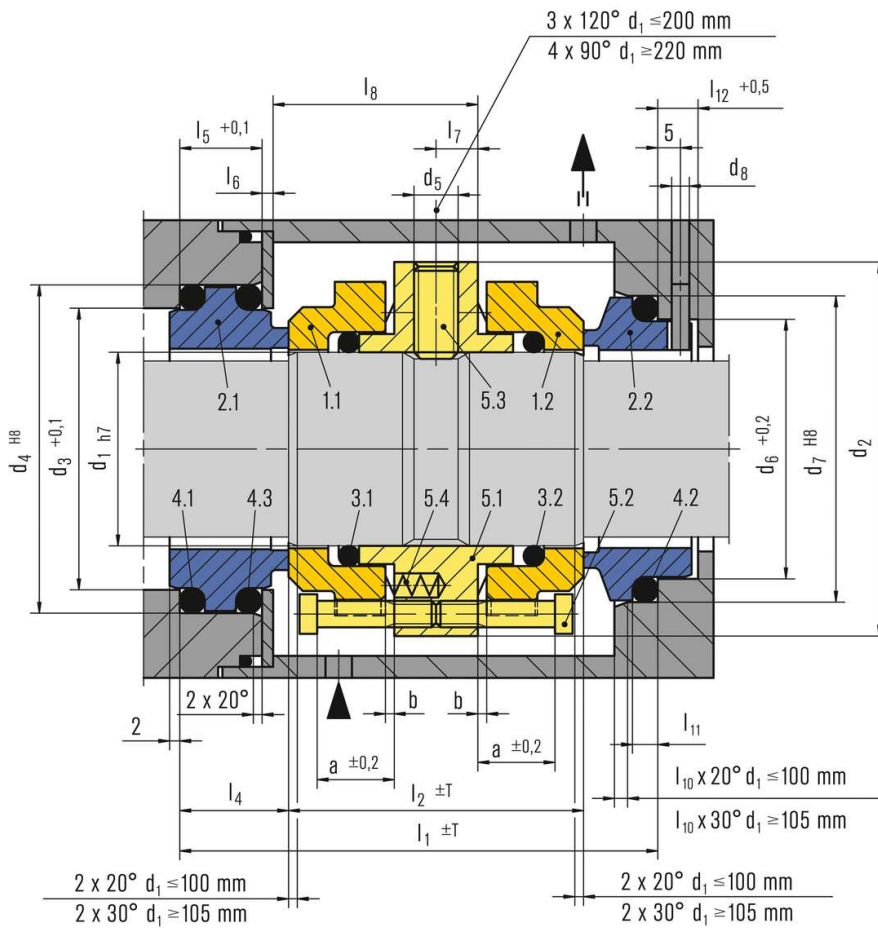
Springs: CrNiMo steel (G)

Metal parts: CrNiMo steel (G)

Recommended applications

- Process industry
- Oil and gas industry
- Refining technology
- Petrochemical industry
- Chemical industry
- Pharmaceutical industry
- Power plant technology
- Pulp and paper industry
- Water and waste water technology
- Mining industry
- Building services industry
- Food and beverage industry
- Shipbuilding
- Sugar industry
- Metal production and processing

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Item	Description
1.1, 1.2	Seal ring
2.1, 2.2	Mating ring
3.1, 3.2, 4.1, 4.2, 4.3	O-Ring
5.1	Clamping ring
5.2	Screw
5.3	Set screw
5.4	Spring

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Dimensions

d1	d2	l1	l2	T	l4	l7	d5	l8	a	d3	d4	l5	l6	d6	d7	l10	l11	l7	l9	d8
20	47	76	48	0.5	17	7	M6	34	12	29	35	12	2	29	35	2	5	9	5	3
22	49	76	48	0.5	17	7	M6	34	12	31	37	12	2	31	37	2	5	9	5	3
24	51	76	48	0.5	17	7	M6	34	12	33	39	12	2	33	39	2	5	9	5	3
25	52	76	48	0.5	17	7	M6	34	12	34	40	12	2	34	40	2	5	9	5	3
28	55	76	48	0.5	17	7	M6	34	12	37	43	12	2	37	43	2	5	9	5	3
30	57	76	48	0.5	17	7	M6	34	12	39	45	12	2	39	45	2	5	9	5	3
32	59	76	48	0.5	17	7	M6	34	12	42	48	12	2	42	48	2	5	9	5	3
33	60	76	48	0.5	17	7	M6	34	12	42	48	12	2	42	48	2	5	9	5	3
35	62	76	48	0.5	17	7	M6	34	12	44	50	12	2	44	50	2	5	9	5	3
38	71	84	52	0.5	19	7	M8	36	13.5	49	56	14	2	49	56	2	6	9	5	4
40	73	84	52	0.5	19	7	M8	36	13.5	51	58	14	2	51	58	2	6	9	5	4
43	76	84	52	0.5	19	7	M8	36	13.5	54	61	14	2	54	61	2	6	9	5	4
45	78	84	52	0.5	19	7	M8	36	13.5	56	63	14	2	56	63	2	6	9	5	4
48	81	84	52	0.5	19	7	M8	36	13.5	59	66	14	2	59	66	2	6	9	5	4
50	83	87.5	52	0.5	21	7	M8	36	13.5	62	70	16	2	62	70	2.5	6	9	5	4
53	86	87.5	52	0.5	21	7	M8	36	13.5	65	73	16	2	65	73	2.5	6	9	5	4
55	88	87.5	52	0.5	21	7	M8	36	13.5	67	75	16	2	67	75	2.5	6	9	5	4
58	98	99	62.5	1	22	9.8	M10	44.5	15	72	80	16	2.5	70	78	2.5	6	9	5	4
60	100	99	62.5	1	22	9.8	M10	44.5	15	75	83	16	2.5	72	80	2.5	6	9	5	4
63	103	99	62.5	1	22	9.8	M10	44.5	15	77	85	16	2.5	75	83	2.5	6	9	5	4
65	105	101	62.5	1	24	9.8	M10	44.5	15	81	90	18	2.5	77	85	2.5	6	9	5	4
68	108	101	62.5	1	24	9.8	M10	44.5	15	83	92	18	2.5	81	90	2.5	7	9	5	4
70	111	109	67	1	25	9.5	M10	46.5	17.5	88	97	19	2.5	83	92	2.5	7	9	5	4
75	116	109	67	1	25	9.5	M10	46.5	17.5	95	105	19	2.5	88	97	2.5	7	9	5	4
80	121	109	67	1	25	9.5	M10	46.5	17.5	100	110	19	2.5	95	105	3	7	9	5	4
85	126	109	67	1	25	9.5	M10	46.5	17.5	105	115	19	2.5	100	110	3	7	9	5	4
90	131	109	67	1	25	9.5	M10	46.5	17.5	110	120	19	2.5	105	115	3	7	9	5	4
95	136	109	67	1	25	9.5	M10	46.5	17.5	115	125	19	2.5	110	120	3	7	9	5	4
100	141	109	67	1	25	9.5	M10	46.5	17.5	120	130	19	2.5	115	125	3	7	9	5	4
105	148	124	76	2	28	10	M10	50.5	21	123	135	22	2.5	123	135	2	10	10	5	5
110	153	124	76	2	28	10	M10	50.5	21	128	140	22	2.5	128	140	2	10	10	5	5
115	158	124	76	2	28	10	M10	50.5	21	133	145	22	2.5	133	145	2	10	10	5	5
120	171	128.5	80.5	2	28	10	M10	53.5	21	140	152	22	2.5	140	152	2	10	10	5	5
125	176	128.5	80.5	2	28	10	M10	53.5	21	145	157	22	2.5	145	157	2	10	10	5	5
130	181	128.5	80.5	2	28	10	M10	53.5	21	150	162	22	2.5	150	162	2	10	10	5	5
135	186	128.5	80.5	2	28	10	M10	53.5	21	155	167	22	2.5	155	167	2	10	10	5	5
140	191	128.5	80.5	2	28	10	M10	53.5	21	160	172	22	2.5	160	172	2	10	10	5	5
145	196	128.5	80.5	2	28	10	M10	53.5	21	165	177	22	2.5	165	177	2	10	10	5	5
150	203	144.5	90.5	2	31	10	M10	59	25	171	183	24	3	171	183	2	10	10	5	5
160	213	144.5	90.5	2	31	10	M10	59	25	181	193	24	3	181	193	2	10	10	5	5
170	223	144.5	90.5	2	31	10	M10	59	25	191	203	24	3	191	203	2	10	10	5	5
180	233	144.5	90.5	2	31	10	M10	59	25	203	215	24	3	203	215	2	10	10	5	5
190	243	144.5	90.5	2	31	10	M10	59	25	213	225	24	3	213	225	2	10	10	5	5
200	253	144.5	90.5	2	31	10	M10	59	25	223	235	24	3	223	235	2	10	10	5	5
220	275	162	103	3	33	10	M10	63.5	29	246.5	258	25	3.5	246.5	258	2	10	12	6	6
240	295	162	103	3	33	10	M10	63.5	29	266.5	278	25	3.5	266.5	278	2	10	12	6	6
260	315	162	103	3	33	10	M10	63.5	29	286.5	298	25	3.5	286.5	298	2	10	12	6	6
280	335	162	103	3	33	10	M10	63.5	29	306.5	318	25	3.5	306.5	318	2	10	12	6	6

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d1	d2	l1	l2	T	l4	l7	d5	l8	a	d3	d4	l5	l6	d6	d7	l10	l11	l7	l9	d8
300	355	162	103	3	33	10	M10	63.5	29	326.5	338	25	3.5	326.5	338	2	10	12	6	6

Dimensions in millimeter