

RELY ON EXCELLENCE

AX30

Mechanical seals | Mechanical seals for pumps | Pusher seals



Advantages

- Suitable-to-ceramic design
- Only few parts
- Easy to flush

Operating range

Shaft diameter:

d1 = 10 ... 80 mm (0.39" ... 3.15")

Pressure: p1 = 20 bar (290 PSI)

Temperature:

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

Sliding velocity: v_g = 15 m/s (49 ft/s)

Materials

Seal face: Silicon Carbide (Q1, Q2)

Seat: Carbon graphite resin impregnated (B), Silicon carbide (Q1, Q2)

Secondary seals: EPDM (E), NBR (P), FKM (V), FFKM (K)

Springs: CrNiMo steel (G)

Standards and approvals

- EN 12756

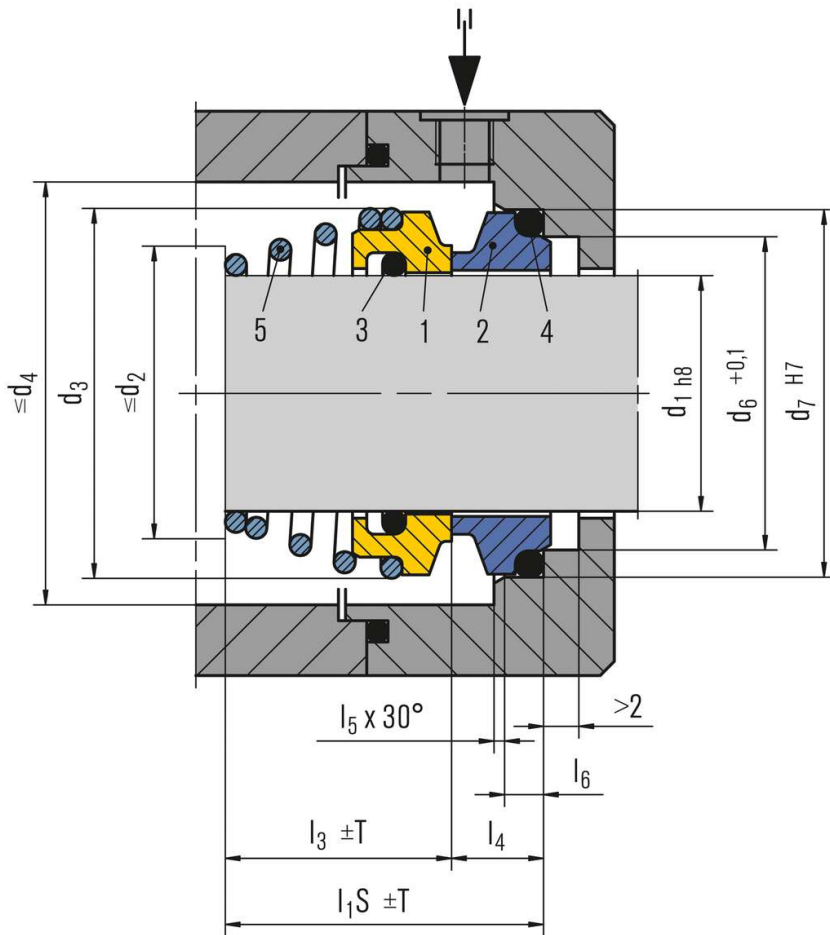
Recommended applications

- Chemical industry
- Pharmaceutical industry
- Food and beverage industry

Features

- Unbalanced
- Dependent on direction of rotation
- Solid seats

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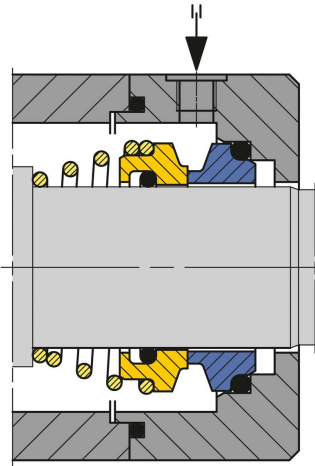
Item Description

- 1 Seal ring
- 2 Mating ring
- 3, 4 O-Ring
- 5 Spring

Drawing shows type AX30S

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Product variants



AX30K

For installation space acc. to EN12756.

Dimensions

d1	d2	d3	IIS	I3	I4	T	d4	d6	d7	I5	I6
10	13	22	22.5	15	7.5	0.5	24	15.5	19.2	1.2	3.8
12	15	24	23	15	8	0.5	26	17.5	21.6	1.2	3.8
14	17	26	23	15	8	0.5	28	20.5	24.6	1.2	3.8
15	18	27	24	16	8	0.5	29	20.5	24.6	1.2	3.8
16	19	28	26.5	17	9.5	0.5	30	22	28	1.5	5
18	22	33	28.5	19	9.5	0.5	35	24	30	1.5	5
20	24	35	29.5	18.5	11	0.5	37	29.5	35	1.5	5
22	26	37	31	21.5	9.5	2	39	29.5	35	1.5	5
24	28	39	32.5	23	9.5	2	41	32	38	1.5	5
25	29	41	34	24.5	9.5	2	43	32	38	1.5	5
26	30	42	34.5	24	10.5	2	44	34	40	1.5	5
28	32	44	35.5	26	9.5	2	46	36	42	1.5	5
30	34	46	35.5	24.5	11	2	48	39.2	45	1.5	5
32	36	48	39	28	11	2	50	42.2	48	1.5	5
35	39	52	39.5	28.5	11	2	54	46.2	52	1.5	5
38	44	56	42.5	31.5	11	2	60	49.2	55	1.5	5
40	46	58	45.5	34.5	11	2	62	52.2	58	1.5	5
42	48	60	49	35	14	2	64	53.3	62	2	6
45	51	64	50.5	36.5	14	2	68	55.3	64	2	6
48	54	67	56	42	14	2	71	59.7	68.4	2	6
50	56	69	57	43	14	2	73	60.8	69.3	2	6
55	61	75	62	47	15	2	79	66.5	75.4	2	6
58	66	80	65	50	15	2	85	69.5	78.4	2	6
60	68	82	66	51	15	2	87	71.5	80.4	2	6
65	73	87	67	52	15	2	92	76.5	85.4	2	6
68	76	91	69	54	15	2	95	82.7	91.5	2	6
70	78	93	69	52	17	2	97	83	92	2	6
75	83	101	70	53	17	2	106	90.2	99	2	6
80	88	106	74	57	17	2	111	95.2	104	2	6

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Dimension table for type AX30S

Dimensions in millimeter

Installation space according to EagleBurgmann standard.

Dimensions

d1	d2	d3*	I1K	I3	I4	T	d4	d6	d7	I5	I6
10	13	22	32.5	22.5	10	1	24	17	21	1.5	4
12	15	24	32.5	22.5	10	1	26	19	23	1.5	4
14	17	26	35	25	10	1	28	21	25	1.5	4
16	19	28	35	25	10	1	30	23	27	1.5	4
18	22	33	37.5	26.5	11	2	35	27	33	2	5
20	24	35	37.5	26.5	11	2	37	29	35	2	5
22	26	37	37.5	26.5	11	2	39	31	37	2	5
24	28	39	40	29	11	2	41	33	39	2	5
25	29	41	40	29	11	2	43	34	40	2	5
28	32	44	42.5	31.5	11	2	46	37	43	2	5
30	34	46	42.5	31.5	11	2	48	39	45	2	5
32	36	48	42.5	31.5	11	2	50	42	48	2	5
33	37	50	42.5	31.5	11	2	52	42	48	2	5
35	39	52	42.5	31.5	11	2	54	44	50	2	5
38	44	56	45	32	13	2	60	49	56	2	6
40	46	58	45	32	13	2	62	51	58	2	6
43	49	62	45	32	13	2	66	54	61	2	6
45	51	64	45	32	13	2	68	56	63	2	6
48	54	67	45	32	13	2	71	59	66	2	6
50	56	69	47.5	33	14.5	2	73	62	70	2.5	6
53	59	73	47.5	33	14.5	2	76	65	73	2.5	6
55	61	75	47.5	33	14.5	2	79	67	75	2.5	6
58	66	80	52.5	38	14.5	2	85	70	78	2.5	6
60	68	82	52.5	38	14.5	2	87	72	80	2.5	6
63	71	85	52.5	38	14.5	2	90	75	83	2.5	6
65	73	87	52.5	38	14.5	2	92	77	85	2.5	6
68	76	91	52.5	38	14.5	2	95	81	90	2.5	7
70	78	93	60	43	17	2	97	83	92	2.5	7
75	83	101	60	43	17	2	106	88	97	2.5	7
80	88	106	60	43	17	2	111	95	105	3	7

Dimension table for type AX30K

Dimensions in millimeter

Installation space according to EN12756

* Dimension d3 according to EN12756 will be exceeded