PUMP TECH

EagleBurgmann
a member of EKK and FREUDENBERG

RELY ON EXCELLENCE

SeccoLip481

Mechanical seals | Agitator seals | Dry running seals

Features
- For top entry drives, on request other drives possible
- Dry-running
- Modular and flexible design
- Compensation of shaft deflection by patented technology
- Independent of direction of rotation
- Cartridge unit

Advantages
- Available as a ready-to-mount cartridge for quick and easy installation
- Tested technology ensures safe use
- Dry-running lip seal - depending on the application no supply system is necessary
- No additional rolling bearing required, but optionally available
- Sealing element made of bright chemically highly resistant PTFE compound
- ATEX certificate on request
- Customized adjustments possible

Operating range
Shaft diameter (on stock): d1 = 40 ... 125 mm (1.57" ... 4.92")
Special shaft diameters between 25 mm and 200 mm possible (0.98" ... 7.87")
Pressure: p1 = vacuum ... 6 bar (87 PSI)
Temperature: -30 °C ... +200 °C (-22 °F ... +392 °F)
Sliding velocity: vg = 0 ... 2 m/s (0 ... 6 ft/s)
Axial movement: ±3.0 mm
Radial movement: 1.0 mm (up to 3 mm on request)

For applications beyond this range, please inquire.

! It should be noted that the extremal values of each operating parameter cannot be applied at the same time because of their interaction.

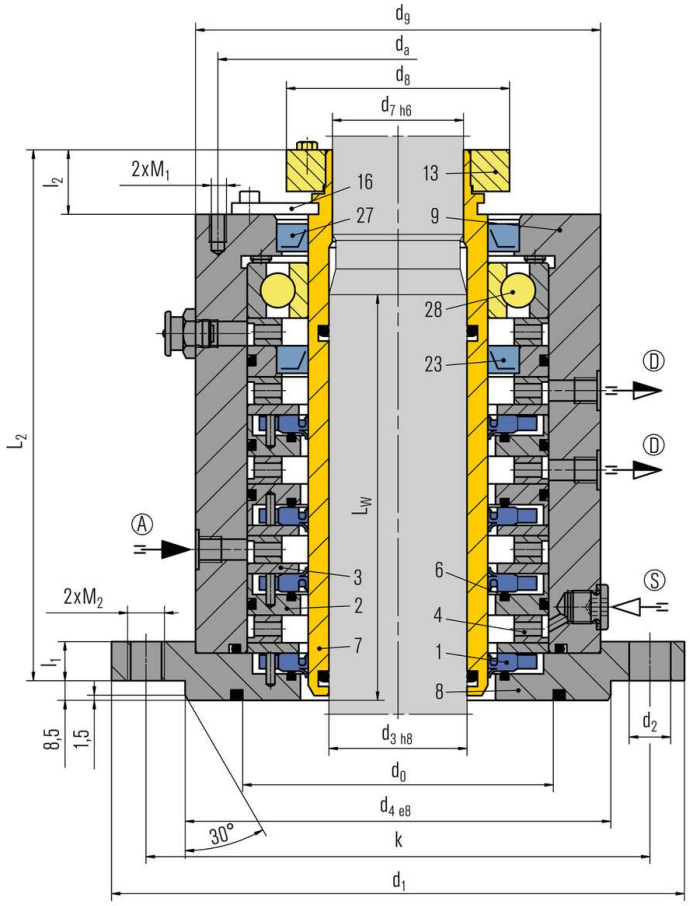
Materials
Lip sealing element: bright chemically highly resistant PTFE-compound with FDA
Secondary seals: FKM (V)
Metallic parts: 316L / 1.4404

Other materials are possible, depending on customer requirements.

Standards and approvals
- FDA
- ATEX
- TA-Luft

Recommended applications
- Chemical industry
- Petrochemical industry
- Pharmaceutical industry
- Food and beverage industry
- Agitators
- Mixers
- Reactors

All technical specifications are based on extensive tests and our many years of experience. The diversity of possible applications, however, means that they can serve only as guide values.
We must be notified of the exact conditions of application before we can provide any guarantee for a specific case. This is subject to change.



SeccoLip 481L-4

Item	Description
1	Lip seal
2	Inset
3	Disc
4	Insert ring
6	O-Ring
7	Shaft sleeve
8	Flange
9	Housing
13	Shrink disc
16	Setting device
23	Spacer ring
27	Lip seal
28	Sliding bearing

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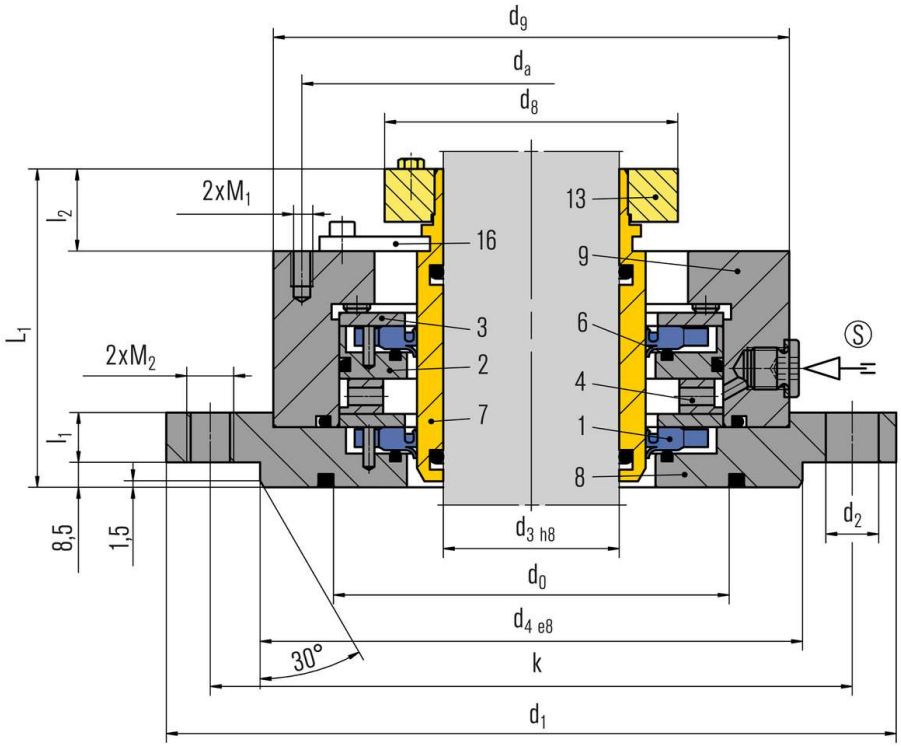

SeccoLip 481-2

Item	Description
1	Lip seal
2	Inset
3	Disc
4	Insert ring
6	O-Ring
7	Shaft sleeve
8	Flange
9	Housing
13	Shrink disc
16	Setting device

Dimensions

d_3	d_1	nxd_2	d_4	d_0	k	d_8	d_9	L_1	l_1	l_2	d_a	M_1	M_2	S
40	175	4x18	110	90	145	80	175	91.5	19.5	26	145	M8	M16	G1/4
50	240	8x18	176	135	210	90	168	91.5	19.5	28	153	M8	M16	G1/4
60	240	8x18	176	135	210	100	178	91.5	18	27.5	155	M8	M16	G1/4
80	275	8x22	204	155	240	130	198	100.5	21	33.5	175	M8	M20	G1/4
100	305	8x22	234	190	270	150	218	102.5	23	33.5	195	M8	M20	G1/4
125	330	8x22	260	215	295	179	243	107.5	23	38.5	220	M8	M20	G1/4

SeccoLip 481-2 Dimensions in millimeter

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Dimensions

d_3	d_7	d_1	nxd_2	d_4	d_0	k	d_8	d_9	L_2	L_w	l_1	l_2	d_a	M_1	M_2	A, D, S
40	38	175	4x18	110	90	145	80	175	198.5	143	19.5	27.5	145	M8	M16	G1/4
50	48	240	8x18	176	135	210	90	168	205.5	148	19.5	29	155	M8	M16	G1/4
60	58	240	8x18	176	135	210	100	178	205.5	158	18	29	155	M8	M16	G1/4
80	78	275	8x22	204	155	240	130	198	216.5	168	21	35	184	M8	M20	G1/4
100	98	305	8x22	234	190	270	150	218	232.5	178	23	37	195	M8	M20	G1/4
125	120	330	8x22	260	215	295	179	243	245.5	203	23	47	222	M8	M20	G1/4

SeccoLip 481L-4 Dimensions in millimeter

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