EagleBurgmann
a member of EKK and FREUDENBERG

RELY ON EXCELLENCE

SeccoLip461

Mechanical Seals | Agitator seals | Dry running seals

Features

- For top entry drives, on request for side and bottom entry drives
- For glass-lined vessels
- 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
- Ready-to-fit and factory-tested units
- Safe and environmentally compatible technology
- The glass-lined flange does not have to be replaced - an adaptation is possible
- No monitoring necessary
- No cost-intensive supply system necessary
- Low maintenance requirements
- No additional roller bearing necessary, but optionally available
- Sealing element made of bright chemically highly resistant PTFE compound
- ATEX certification available 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
Secondary seals: FKM (V)
Adapter: AL-Oxid
Metallic parts: 316L /1.4404

Other materials are possible, depending on customer requirements.

Standards and approvals

- FDA
- ATEX
- Compliant to TA Luft (German Clean Air Act)

Recommended applications

- Chemical industry
- Pharmaceutical industry
- Food and beverage industry
- Non-toxic media
- Agitators
- Mixers
- Reactors

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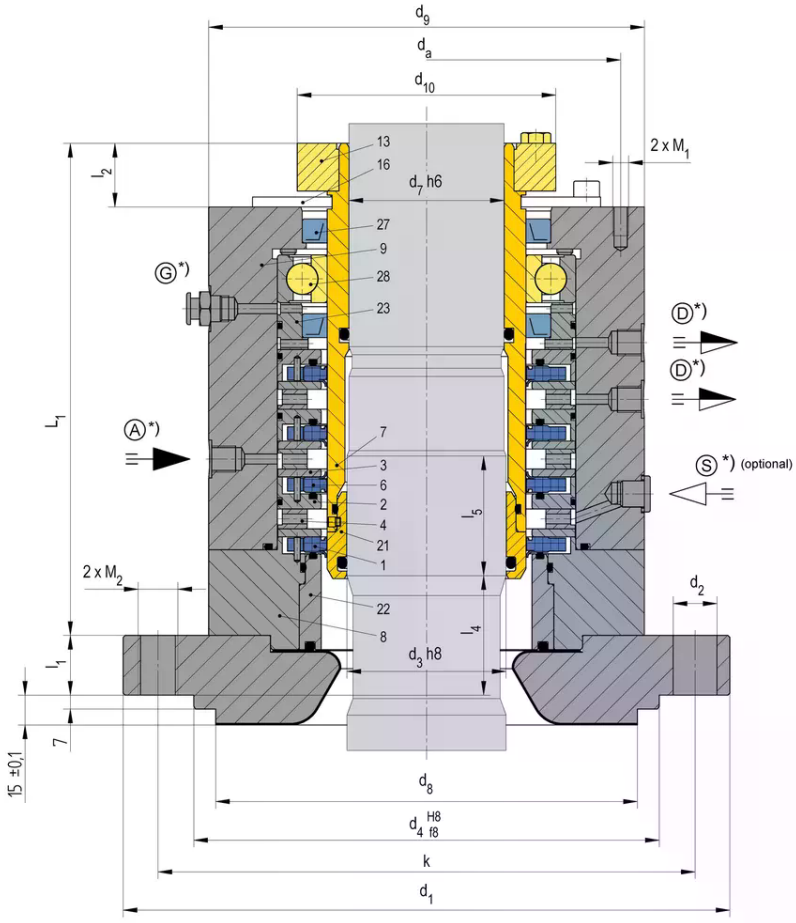
All technical specifications are based on extensive tests and our many years of experience. The diversity of possible applications means, however, that they can serve only as guide values.
We must be notified of the exact conditions of application before we can provide any guarantee for a specific case.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



SeccoLip461L-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

Dimensions

$d_3$1)	$d_7$1)	Nominalsize	Flangesize2)	d_1	nx$d_2$2)	d_4	nxd_5	d_6	d_8	k	d_9	d_{10}	L_1	l_1	l_2	d_a	M_1	M_2	A, D, S
40	38	40	E125	175	4x18	110	-	-	102	145	175	80	216.5	25	26	150	M8	M16	G1/4
50	48	50	E200	240	8x18	176	-	-	138	210	177	90	222	25	26	160	M8	M16	G1/4
60	58	60	E250	240	8x18	204	-	-	188	240	195	100	232	25	26	176	M8	M20	G1/4
80	78	80	E300	275	8x22	234	-	-	212	270	219	130	247	30	32	195	M8	M20	G1/4
100	98	100	E400	305	8x22	313	-	-	268	350	249	150	263	30	37	200	M8	M20	G1/4
100	98	100	E500	305	8x22	313	-	-	268	350	249	150	263	30	37	200	M8	M20	G1/4
125	120	100	E700	330	8x22	422	12x22	320	306	460	286	174	276	30	47	222	M8	M20	G1/4

Dimensions in millimeter 1) Shaft diameters d~1~ and d~7~ according to DIN 28159 2) Flange dimensions according to DIN 28137 T2

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