EagleBurgmann
a member of EKK and FREUDENBERG

RELY ON EXCELLENCE

SeccoMix 1

Mechanical Seals | Agitator seals | Dry running seals

Features

- For top entry drives,
  on request side drive possible
- Dry-running
- Single seal
- Balanced
- Outboard mounted
- Multiple springs rotating
- Independent of direction of rotation

Notes

Options:

- Without flange
- Cooling resp. heating flange
- Wear trap with flush
- Wear trap with flush and cooling / heating flange

Advantages

- Available as semi-cartridge
  with or without basic flange
- Suitable for vacuum operation
- Friction-locked connection to the shaft
- ATEX certification available on request
- Inherently safe, even without temperature monitoring

Operating range

Shaft diameter:
d1 = 25 ... 220 mm (0,98" ... 8,66")
Pressure: p1 = vacuum ... 6 bar (87 PSI)
Temperature:
t1 = -20 °C ... +200 (250*) °C
(-4 °F ... 392 (482*) °F)
Sliding velocity: vg = 0 ... 2 m/s (0 ... 6 ft/s)
Axial movement: ±1.5 mm
Radial movement: ±1.5 mm

For applications beyond this range, please inquire.

* with cooling flange

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

Materials

Seal face: Carbon graphite, FDA conform
Seat: Silicon carbide
Secondary seals and metal parts according to application and customer's specifications.

Standards and approvals

- FDA
- ATEX

Recommended applications

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

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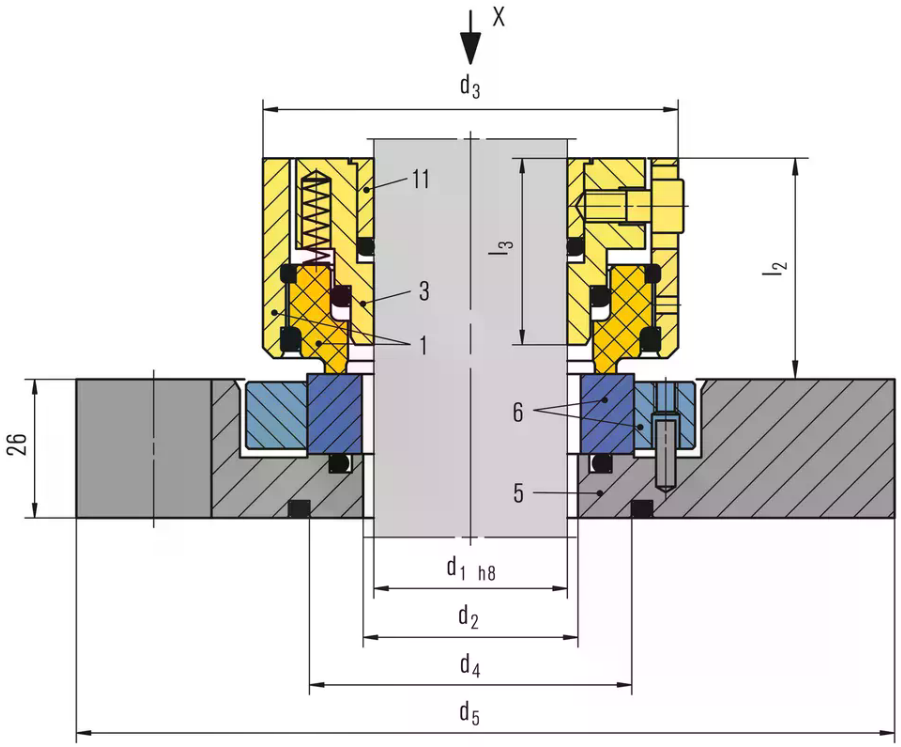
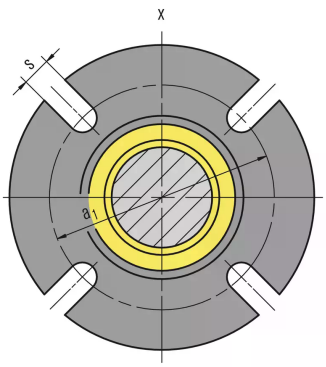
All technical specifications are based on extensive tests and our many years of experience. The diversity of possible applications means, however, that they can serve only as guide values.
We must be notified of the exact conditions of application before we can provide any guarantee for a specific case.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



Item	Description
1	Seal face with seal face housing
3	Drive collar
5	Flange
6	Seat with seat housing
11	Clamping ring

Installation, details, options

Seal flange



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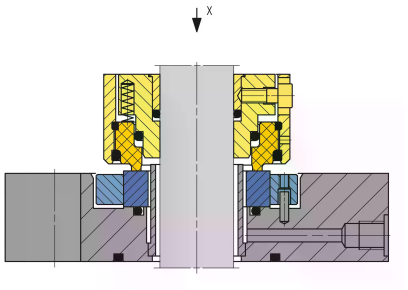
Product variants



SeccoMix 1-11
The SeccoMix 1-11 is equipped in addition with a sleeve for trapping any abraded particles from the seal face. Contamination of the medium in the container is thus ruled out. The sleeve can be cleaned through a flushing bore.
Please note: diameters (d2 to d5) increase to the next possible design size.

Dimensions

d_1 (mm)	d_1 (inch)	d_2	d_3	d_4	d_5	l_2	a_1 (min)	a_1 (max)	s
25	1000	34	68	55	148	41.5	100	132	11
30	–	34	68	55	148	41.5	100	132	11
35	1375	44	78	60	153	41.5	105	137	11
40	–	44	78	65	158	41.5	110	142	11
50	–	54	88	75	178	41.5	125	160	14
60	2250	64	98	85	183	41.5	135	170	14
65	2375	74	108	95	198	44.5	145	180	14
70	2625	74	108	95	198	44.5	145	180	14
80	3000	84	118	105	208	44.5	155	190	14
90	3500	94	128	115	218	44.5	165	200	14
100	–	104	138	125	228	44.5	175	210	14
110	4250	114	148	135	238	44.5	185	220	14
125	4750	129	163	150	277	44.5	206	253	18
140	5000	144	178	165	297	44.5	221	273	18
160	6000	164	198	185	317	44.5	241	293	18

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