EagleBurgmann
a member of EKK and FREUDENBERG

RELY ON EXCELLENCE

SeccoMix R

Mechanical Seals | Agitator seals | Dry running seals

Features

- For top, side and bottom entry drives
- Dry running
- Nitrogen pressurized dual seal
- Rotating seat at product side
- Balanced
- Independent of direction of rotation

Notes

Options:

- Axial bellows expansion joint (shaft movement)
- Scraper (shaft movement)

Advantages

- Ready-to-fit and factory-tested units
- With or without bearing available
- Smooth surface, free of dead spaces
- No contamination of the product by barrier fluid
- Friction-locked connection to the shaft
- ATEX certification available on request

Operating range

Shaft diameter:
d1 = 35 ... 220 (300) mm (1.38" ... 8.66"(11.81"))
Axial offset shaft/housing: d1 = 35 ... 60 mm (1.38" ... 2.36"): max. ±1.5 mm (0.059")
d1 >60 mm (2.36"): max. ±2.0 mm (0.079")
Radial offset shaft/housing:
max. ±0.3 mm (0.012")
Pressure: p1 = Vacuum ... 6 bar (87 PSI)
Temperature:
t1 = -20 °C ... +200 °C (-4 °F ... +392 °F)
Sliding velocity: vg = 0 ... 2 m/s (0 ... 6 ft/s)

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

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

Standards and approvals

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

Recommended applications

- Refining technology
- Petrochemical industry
- Chemical industry
- Pharmaceutical industry
- Food and beverage industry
- Agitators
- Mixers
- Kneaders
- Dryers
- Reactors

Recommended piping plans

Gas supply
EagleBurgmann GSS4015/A400-D0
for double seals SeccoMix R

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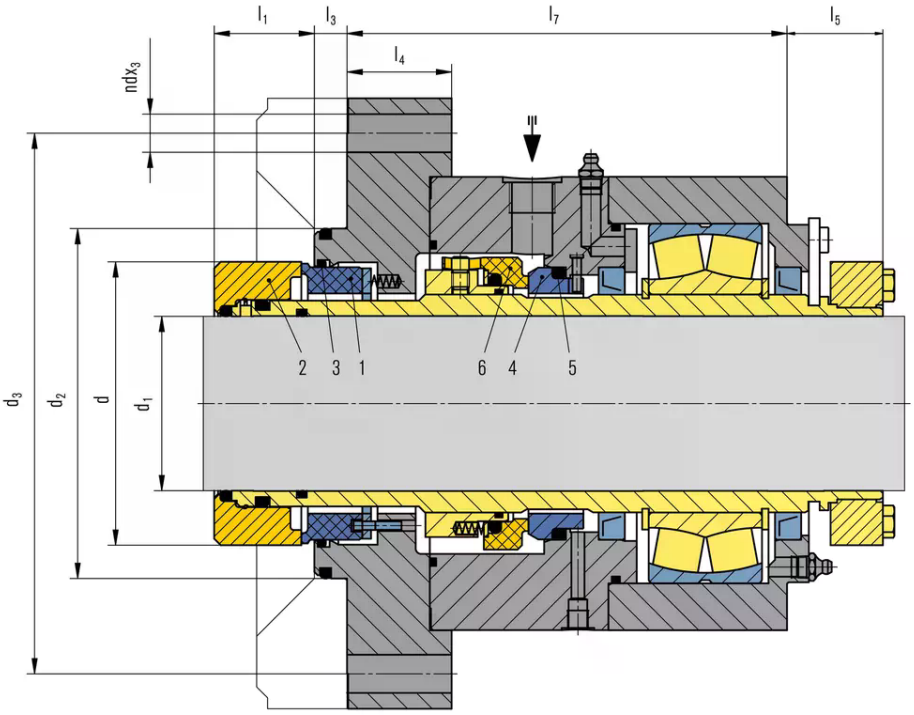
All technical specifications are based on extensive tests and our many years of experience. The diversity of possible applications means, however, that they can serve only as guide values.
We must be notified of the exact conditions of application before we can provide any guarantee for a specific case.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



Item	Description
1	Seal face, product side
2	Seat, product side
3	O-Ring, dynamic
4	Seat, atmosphere side
5	O-Ring
6	Seal face, atmosphere side

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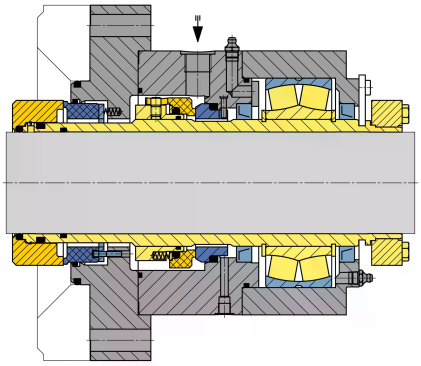
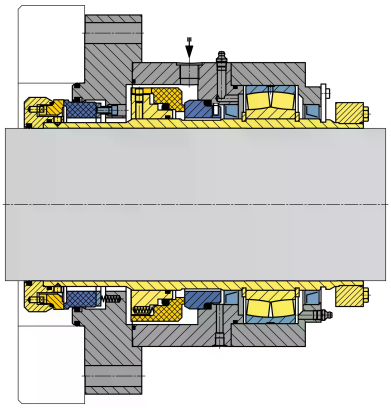
Product variants



SeccoMix R3
Dual seal with solid seat and integrated floating bearing d1 ≤140 mm (5,51").
As an option with fixed bearing or without bearing available.



SeccoMix R5
Dual seal with „hook-sleeve" and integrated floating bearing d1 >140 mm (5,51").
As an option with fixed bearing or without bearing available.

Dimensions

d_1	d	l_1	d_2	l_3	d_3	n x d_3	l_4	l_5	l_7
35	68	43	105	13	148	8 x 13.5	35.5	20.5	141.0
45	82.7	43	119.5	13	166	8 x 13.5	43.0	26.0	149.5
50	90.0	43	119.5	13	190	8 x 17.5	40.5	28.5	165.0
60	100.0	43	134.5	14	200	8 x 17.5	41.0	28.0	173.0
80	130.0	46	160.5	15	248	8 x 17.5	48.0	34.0	212.0
100	150.0	49	181.5	12	264	8 x 22.0	54.0	33.5	219.0
120	172.0	49	209.5	12	293	8 x 22.0	52.0	40.0	232.0
140	195.0	49	224.5	12	338	12 x 22.0	52.0	39.5	251.5

Dimensions in millimeter

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