EagleBurgmann
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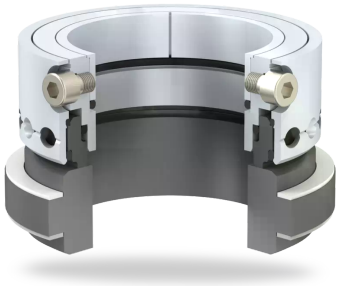
RELY ON EXCELLENCE

SeccoMix 1-E32

Mechanical Seals | Agitator seals | Dry running seals



Features

- Retrofit for JC Type 32
- Dry-running single seal
- For top entry drives, on request side drive possible
- Balanced
- Multiple springs rotating
- Independent of direction of rotation
- Available in metric and imperial sizes

Advantages

- Available as semi-cartridge
- No supply system required
- No product contamination with barrier fluid
- Low wear due to optimized seal face load
- 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(SI): d1 = 40 ... 80 mm
Shaft diameter (Imperial): d1 = 1.000" ... 2.000"
Pressure: p1 = vacuum ... 6 bar (87 PSI)
Temperature: -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

* with cooling flange

Applications outside of this area of use are available on request.

! 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 compliant
Seat: Silicon carbide
Secondary seals and metal parts according to application and customer's specifications.

Standards and approvals

- FDA
- ATEX

Recommended applications

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

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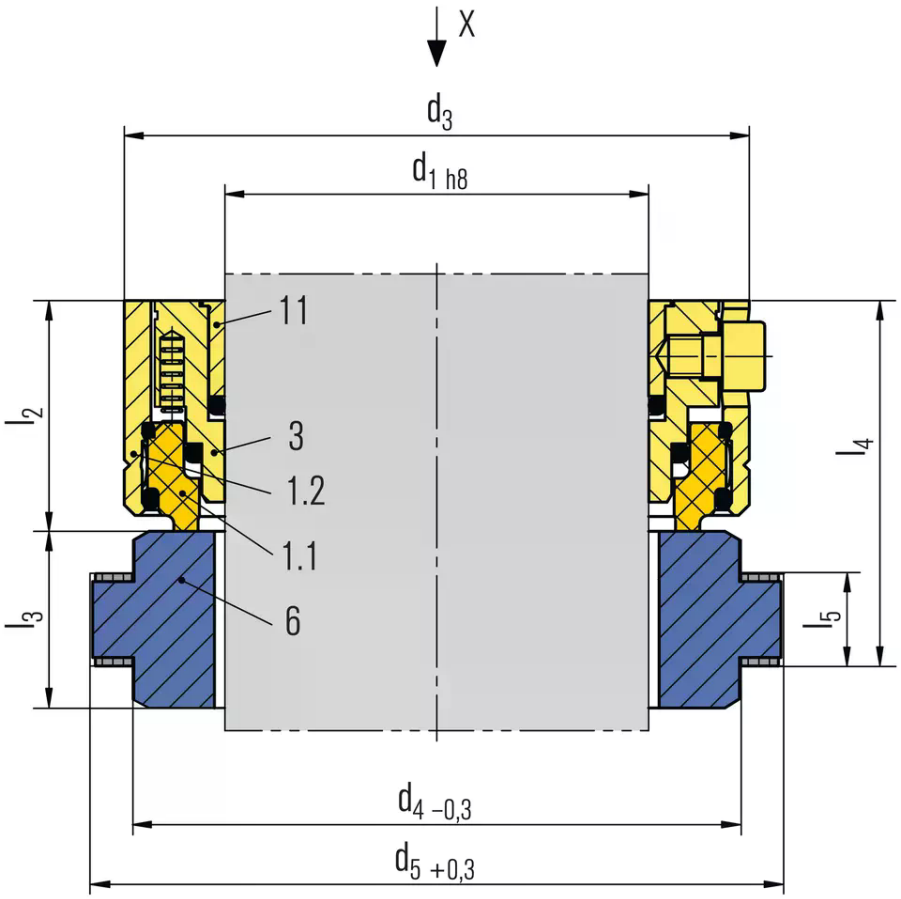
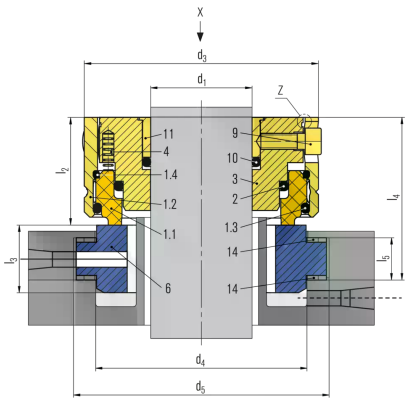
All technical specifications are based on extensive tests and our many years of experience. The diversity of possible applications means, however, that they can serve only as guide values.
We must be notified of the exact conditions of application before we can provide any guarantee for a specific case.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



1.1, 1.2 Seal face with face housing
3 Drive collar
6 Seat
11 Clamping ring

Installation, details, options



SeccoMix 1-11-E32 imperial, with sleeve
In addition, the SeccoMix1-11-E32 is equipped in addition with a sleeve to trap any abrasive particles from the seal face. This prevents contamination of the medium in the container. Note: Diameters (d2 to d5) increase to next size.

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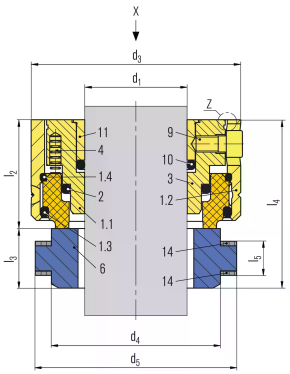
Product variants



SeccoMix 1-E32, imperial

In the imperial version, the clamping ring, the driver and the seat have been adapted to allow easy integration into systems based on the imperial measurement system.

Dimensions

d_1	d_3	d_4	d_5	l_2	l_3	l_4	l_5
1.000"	3.071"	2.500"	3.031"	1.594"	0.874"	2.281"	0.500"
1.125"	3.071"	2.625"	3.156"	1.594"	0.874"	2.281"	0.500"
1.500"	3.465"	3.125"	3.781"	1.594"	1.000"	2.407"	0.625"
2.000"	4.252"	3.625"	4.281"	1.713"	1.000"	2.526"	0.625"
2.500"	4.646"	4.062"	4.718"	1.713"	1.000"	2.526"	0.625"

SeccoMix®1-11-E32 - Dimensions in inches

d_1	d_3	d_4	d_5	l_2	l_3	l_4	l_5
40	78	66.68	80	40.5	27	61.1	14.2
45	88	79.38	96	40.5	33.3	65.9	17.5
50	88	79.38	96	40.5	33.3	65.9	17.5
60	98	88.9	105	40.5	33.3	65.9	17.5
80	118	114.3	130	43.5	33.3	68.9	17.5

SeccoMix 1-E32 - Dimensions in millimeter

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