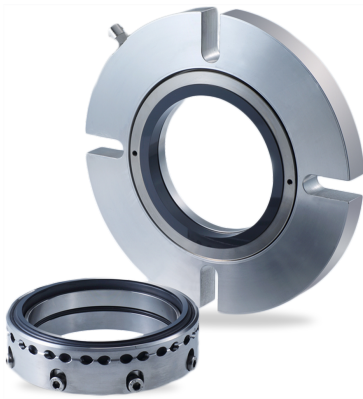


RELY ON EXCELLENCE

## 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

### 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:  
 $d_1 = 25 \dots 220 \text{ mm}$  (0,98" ... 8,66")  
 Pressure:  $p_1 = \text{vacuum} \dots 6 \text{ bar}$  (87 PSI)  
 Temperature:  
 $t_1 = -20 \text{ }^\circ\text{C} \dots +200 \text{ (250*) }^\circ\text{C}$   
 $(-4 \text{ }^\circ\text{F} \dots 392 \text{ (482*) }^\circ\text{F})$   
 Sliding velocity:  $v_g = 0 \dots 2 \text{ m/s}$  (0 ... 6 ft/s)  
 Axial movement:  $\pm 1.5 \text{ mm}$   
 Radial movement:  $\pm 1.5 \text{ mm}$

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

### Notes

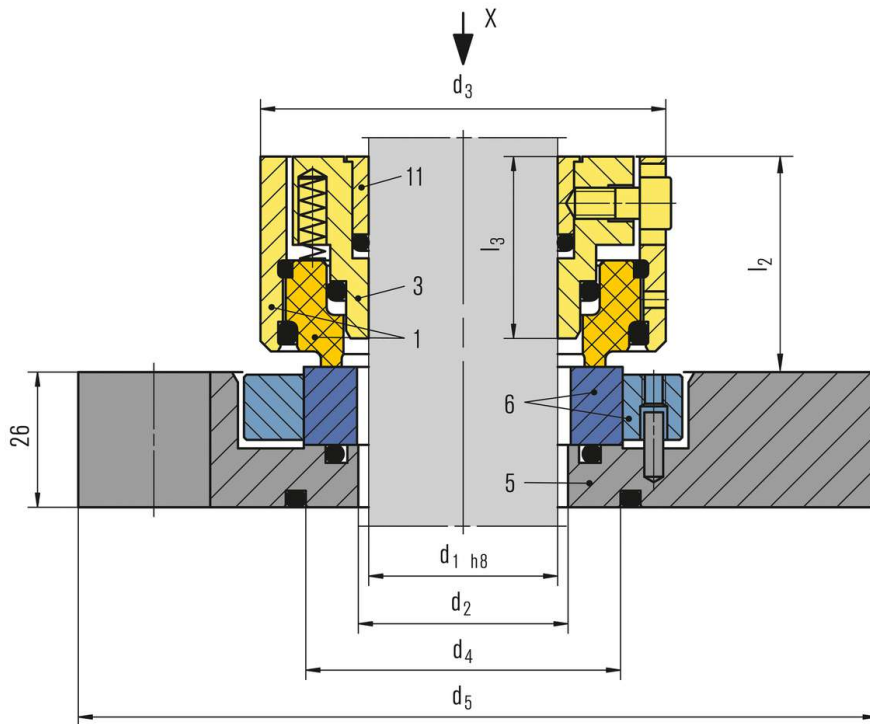
Options:

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

### Recommended applications

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

## RELY ON EXCELLENCE

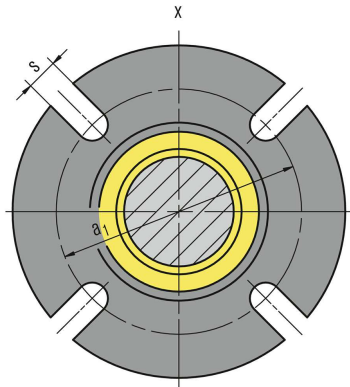


### Item Description

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

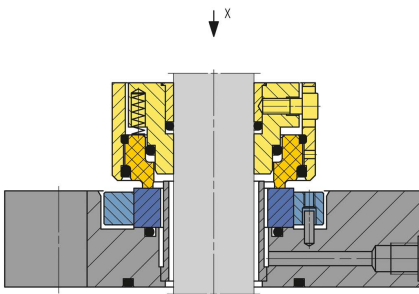
## RELY ON EXCELLENCE

### Installation, details, options



Seal flange

### 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.

## RELY ON EXCELLENCE

### Dimensions

d <sub>1</sub> (mm)	d <sub>1</sub> (inch)	d <sub>2</sub>	d <sub>3</sub>	d <sub>4</sub>	d <sub>5</sub>	l <sub>2</sub>	l <sub>3</sub>	a <sub>1</sub> (min)	a <sub>1</sub> (max)	s
25	1.000	34	68	–	148	41.5	35	100	132	11
28	1.125	34	68	55	148	41.5	35	100	132	11
30	–	34	68	55	148	41.5	35	100	132	11
32	1.250	39	73	60	153	41.5	35	105	137	11
35	1.375	39	73	60	153	41.5	35	105	137	11
38	1.500	44	78	65	158	41.5	35	110	142	11
40	–	44	78	65	158	41.5	35	110	142	11
45	1.625	49	83	68	163	41.5	35	115	152	11
–	1.750	49	83	68	163	41.5	35	115	152	11
48	1.875	54	88	73	178	41.5	35	125	160	14
50	–	54	88	73	178	41.5	35	125	160	14
55	2.000	59	93	78	183	41.5	35	130	165	14
–	2.125	59	93	78	183	41.5	35	130	165	14
60	2.250	64	98	85	188	41.5	35	135	170	14
65	2.375	69	103	90	193	44.5	35	140	175	14
–	2.500	69	103	90	193	44.5	35	140	175	14
70	2.625	74	108	95	198	44.5	38	145	180	14
–	2.750	74	108	95	198	44.5	38	145	180	14
75	2.875	79	113	100	203	44.5	38	150	185	14
80	3.000	84	118	105	208	44.5	38	155	190	14
85	3.250	89	123	110	213	44.5	38	160	195	14
90	3.500	94	128	115	218	44.5	38	165	200	14
95	3.750	99	133	120	223	44.5	38	170	205	14
100	–	104	138	125	228	44.5	38	175	210	14
105	4.000	109	143	130	233	44.5	38	180	215	14
110	4.250	114	148	135	238	44.5	38	185	220	14
115	4.500	119	153	140	267	44.5	38	196	243	18
125	4.750	129	163	150	277	44.5	38	206	253	18
140	5.000	144	178	165	297	44.5	38	221	273	18
–	5.250	144	178	165	297	44.5	38	221	273	18
–	5.500	144	178	165	297	44.5	38	221	273	18
150	5.750	154	188	175	307	44.5	38	231	283	18
160	6.000	164	198	185	317	44.5	38	241	293	18
–	6.250	164	198	185	317	44.5	38	241	293	18

SeccoMix 1 - Dimensions in millimeter