

RELY ON EXCELLENCE

## Pulace

Mechanical seals | Mechanical seals for pumps | Pusher seals



### Features

- Single seal
- Balanced
- Independent of direction of rotation
- Stationary multiple springs
- Springs and pins not in contact with the medium

### Advantages

- Stationary seat and/or seal face replaceable
- Can be adopted under positive pressure or under back pressure
- Operation in vacuum without additional seat locking possible

### Operating range

Pressure:  $p = 10 \text{ bar}$  (145 PSI)

Temperature:

$t = -20 \text{ °C} \dots +200 \text{ °C}$  (-4 °F ... 392 °F)

Sliding velocity:  $v_g = 20 \text{ m/s}$  (66 ft/s)

Viscosity: ... 100 Pa·s

Solids content: ... 20 %

### Materials

Seal face and seat: Silicon carbide (Q1), Tungsten carbide (U7)

Secondary seals: EPDM (E)

Metal parts: CrNiMo steel (G)

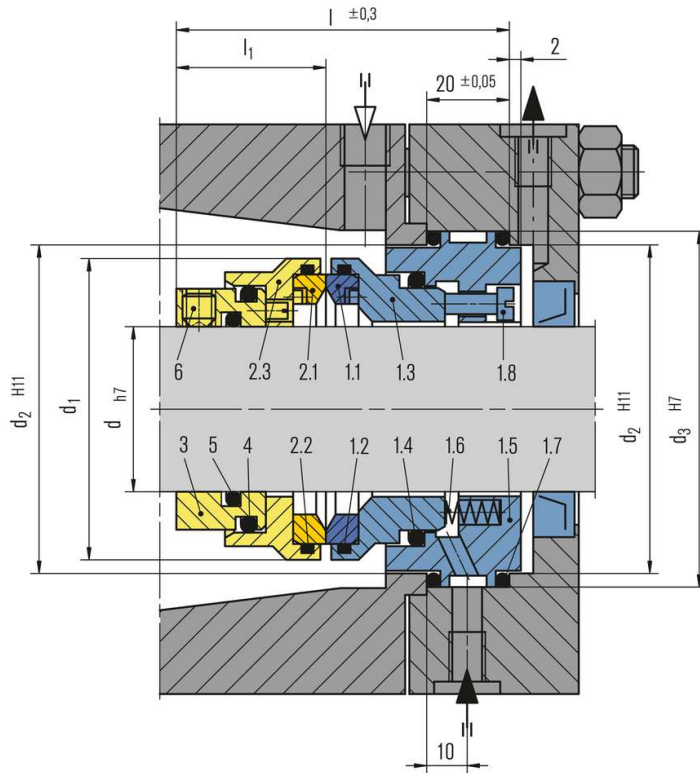
### Recommended applications

- Sugar industry
- Pulp and paper industry
- Highly concentrated black water
- Green water
- White water
- Pulp suspensions
- Chemical solutions
- Alkaline solutions
- Slurries
- Highly viscous liquids
- Raw sludge pumps
- Thick juice pumps
- Conveying and bottling of dairy products

All technical specifications are based on extensive tests and our many years of experience. The diversity of possible applications, however, means 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. This is subject to change.

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### Item Description

- 1.1 Seal face
- 1.2 O-Ring
- 1.3 Retainer
- 1.4 O-Ring
- 1.5 Adapter
- 1.6 Spring
- 1.7 O-Ring
- 1.8 Drive screw
- 2.1 Seat
- 2.2 O-Ring
- 2.3 Retainer
- 3 Drive collar
- 4 O-Ring
- 5 O-Ring
- 6 Set screw

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### Dimensions

d	d <sub>1</sub>	d <sub>2</sub>	d <sub>3</sub>	l	l <sub>1</sub>
20	46	51	57	71	34
25	51	58	64	71	34
30	56	63	69	71	34
35	62	68	74	75	37
40	69	76	82	80	38
45	78	83	89	80	38
50	78	86	92	80	38
55	86	92	98	80	38
60	91	98	104	78	37
65	97	102	108	81	38
70	102	109	115	80	38
75	107	114	120	82	39
80	112	119	125	82	40
85	118	124	130	85	40
90	128	137	143	85	42
95	128	137	143	85	42
100	135	144	150	85	42

Dimensions in millimeter

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