

# HBrinker Mechanical Seal

Pusher seals Mechanical Seal HBPulace



## Mechanical Seal HBPulace

### Operating range

Pressure:  $p = 10$  bar (145 PSI)

Temperature:  $t = -20$  °C ...  $+200$  °C ( $-4$  °F ...  $392$  °F)

Sliding velocity:  $v_g = 20$  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)

### Features

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

### Advantages

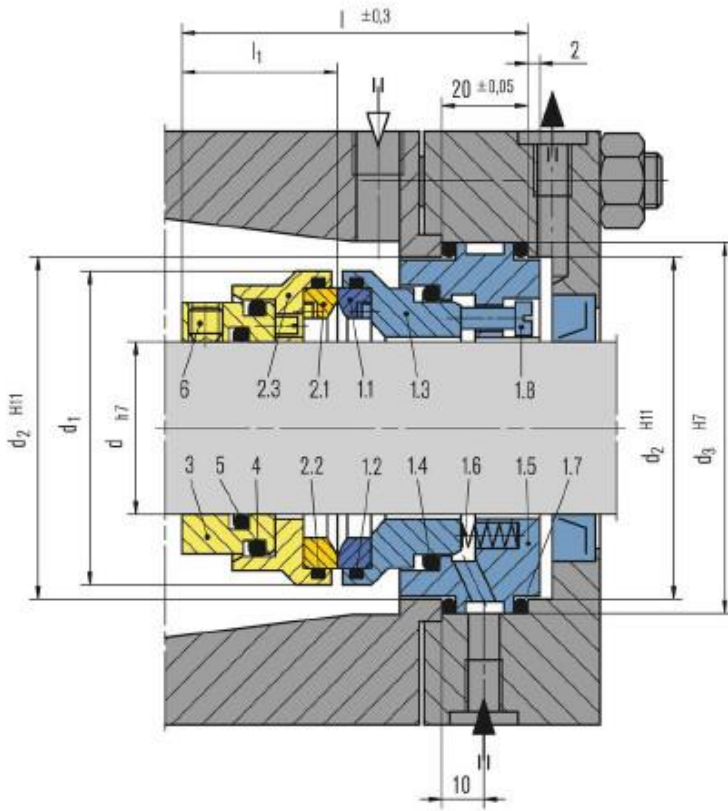
- Stationary seat and/or seal face replaceable
- Can be adopted under positive pressure or under back pressure
- Operation in vacuum without additional seat locking possible

### 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

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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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Dimension Table in millimeter

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

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