EagleBurgmann
a member of EKK and FREUDENBERG

RELY ON EXCELLENCE

eHJ

Mechanical Seals | Mechanical seals for pumps | Pusher seals

Features

- For unstepped shafts
- Single seal
- Balanced
- Independent of direction of rotation
- Encapsulated rotating spring

Notes

Variant for sterile applications available. Please inquire.

Advantages

- Especially designed for solids containing and highly viscous media
- Springs are protected from the product
- Rugged and reliable design
- No damage of the shaft by dynamically loaded O-Ring
- Universal application
- Variants for sterile operation available
- Increased axial movement
- DiamondFace coating possible
- Spring protection and vibration damping
- Insensitive to temperature changes
- 100 % compatible to HJ9... for l1k

Operating range

Shaft diameter:
d1 = 18 ... 100 mm (0.71" ... 4")
Pressure:
p1*) = vacuum ... 40 bar (vacuum ... 580 PSI)
Temperature:
t = -50 °C ... +220 °C (-58 °F ... +430 °F)
Sliding velocity: vg = 20 m/s (66 ft/s)
Axial movement:
d1 = 18 ... 25 mm: ±0,5 mm
d1 = 28 ... 55 mm: ±0,8 mm
d1 = 60 ... 100 mm: ±1,0 mm

* An integral stationary seat lock is not needed within the permissible low pressure range. For prolonged operation under vacuum it is necessary to arrange for quenching on the atmospheric side.

Materials

Seal face: Carbon graphite antimony impregnated (A), Carbon graphite resin impregnated (B), Silicon carbide (eSIC-Q7)
Seat G6: Silicon carbide (eSIC-Q7)
Secondary seals: E, EL, V, V16, K, KL, P
Springs: CrNiMo steel (G)
Face housing: CrNiMo steel (G)
Driver: Duplex (G1)

Standards and approvals

- EN 12756
- WRAS
- UBA(KTW)

Recommended applications

eHJ

- Water and waste water technology
- Drinking water
- Chemical industry
- Oil and Gas
- Petrochemical industry
- Refining technology
- Pulp and paper industry
- Power plant technology
- Mining industry
- Metal production and processing
- Special applications (Cement, ...)
- Shipping Industry

eSHJ

- Food and beverage industry
- Pharmaceutical industry

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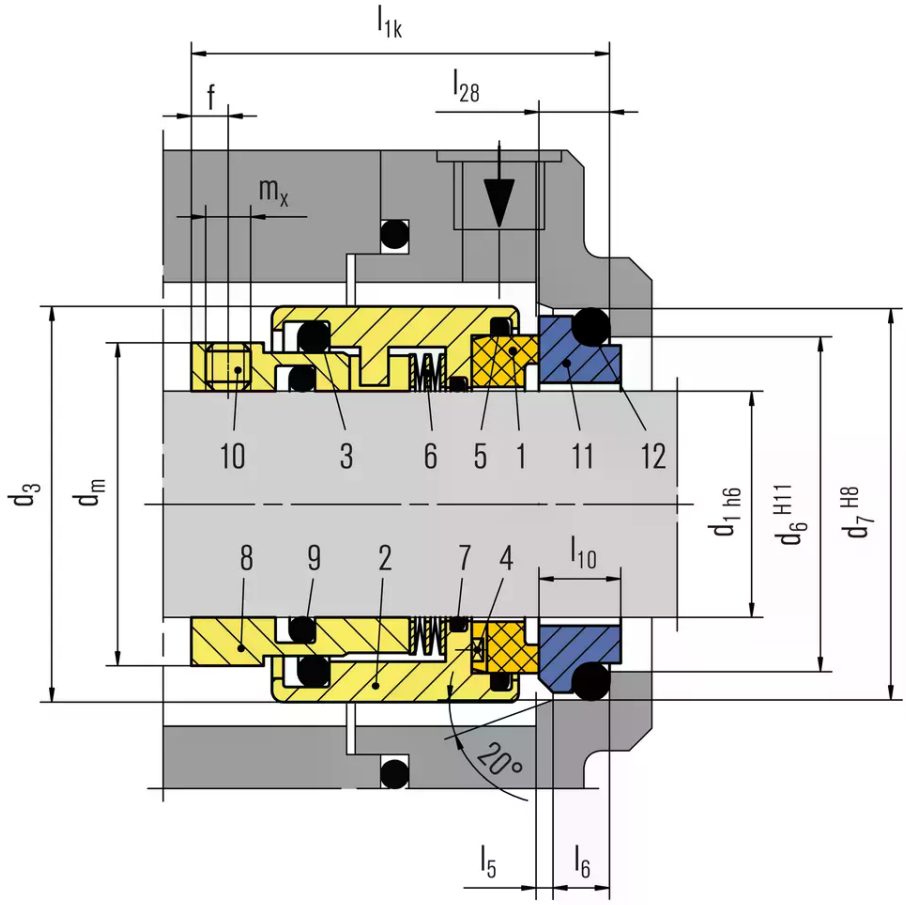
All technical specifications are based on extensive tests and our many years of experience. The diversity of possible applications means, however, that they can serve only as guide values.
We must be notified of the exact conditions of application before we can provide any guarantee for a specific case.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



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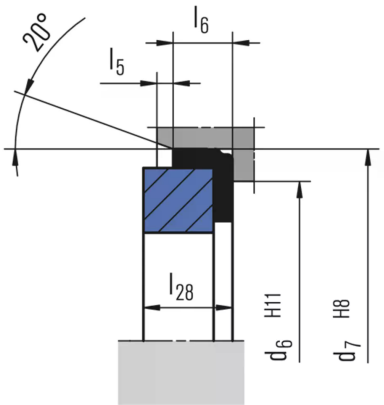
Item	Description
1	Seal face
2	Face housing
3, 5, 7, 9, 12	O-Ring
4	Square pin
6	Spring
8	Driver
10	Set screw
11	Seat

Seat alternatives



G60 (EN 12756)

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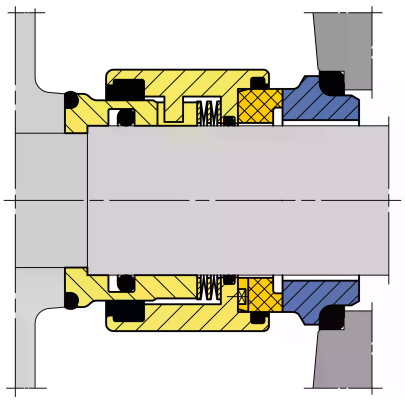
Product variants



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Variant for sterile applications.
Please inquire.

Dimensions

d_1	d_3	d_6	d_7	d_m	l_{1K}	l_5	l_6	l_{10}	l_{28}	f	m_x
18	32	27	33	26	37.5	2	5	8.5	7.5	2.8	M4
20	34	29	35	28	37.5	2	5	8.5	7.5	2.8	M4
22	36	31	37	30	37.5	2	5	8.5	7.5	2.8	M4
24	38	33	39	32.5	40	2	5	8.5	7.5	3.3	M5
25	39	34	40	33.5	40	2	5	8.5	7.5	3.3	M5
28	42	37	43	36.5	42.5	2	5	8.5	7.5	3.3	M5
30	44	39	45	38.5	42.5	2	5	8.5	7.5	3.3	M5
32	47	42	48	40.5	42.5	2	5	8.5	7.5	3.3	M5
33	47	42	48	41.5	42.5	2	5	8.5	7.5	3.3	M5
35	49	44	50	43.5	42.5	2	5	8.5	7.5	3.3	M5
38	54	49	56	47.5	45	2	6	10	9	3.3	M5
40	56	51	58	49.5	45	2	6	10	9	3.3	M5
43	59	54	61	52.5	45	2	6	10	9	3.3	M5
45	61	56	63	54.5	45	2	6	10	9	3.3	M5
48	64	59	66	57.5	45	2	6	10	9	3.3	M5
50	66	62	70	59.5	47.5	2.5	6	10.5	9.5	3.8	M6
53	69	65	73	62.5	47.5	2.5	6	12	11	3.8	M6
55	71	67	75	64.5	47.5	2.5	6	12	11	3.8	M6
60	80	72	80	70.5	52.5	2.5	6	12	11	3.8	M6
65	85	77	85	75.5	52.5	2.5	6	12	11	3.8	M6
70	90	83	92	84	60	2.5	7	12.5	11.3	5	M8
75	99	88	97	89	60	2.5	7	12.5	11.3	5	M8
80	104	95	105	94	60	3	7	13	12	5	M8
85	109	100	110	99	60	3	7	15	14	5	M8
90	114	105	115	104	65	3	7	15	14	5	M8
95	119	110	120	109	65	3	7	15	14	5	M8
100	124	115	125	114	65	3	7	15	14	5	M8

eHJ Dimensions in millimeter

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