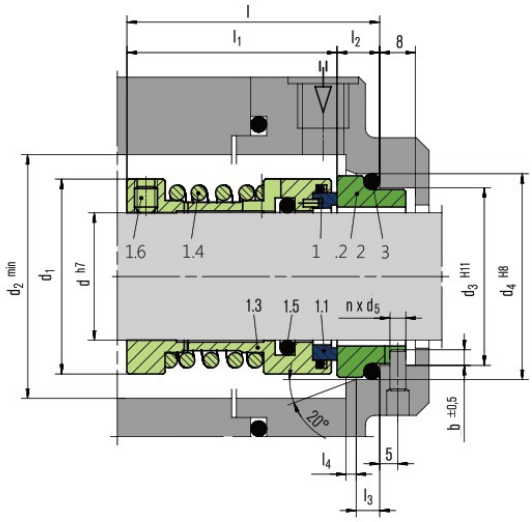
MS 211



Item	Description
1.1	Seal face
1.2, 1.5, 3	O-Ring
1.3	Drive collar
1.4	Spring
1.6	Set screw
2	Seat

Recommended applications

- Pulp and paper industry
- Water and waste water technology
- High-viscosity liquids
- Pulp suspensions
- Process pumps
- Pulp pumps

Features

- Single seal
- Unbalanced
- Independent of direction of rotation
- Positive torque transmission due to bayonet drive between seal head and drive collar
- O-Ring groove for ventilation prevents solids build-up and enhances flexibility

Operating range (see note on page 1)

Pressure: p = 12 bar (174 PSI)
Temperature: t = –20 °C ... +160 °C (–4 °F ... +320 °F)
Sliding velocity: ... 20 m/s (66 ft/s)
Viscosity: ... 300 Pa·s
Solids content: ... 7 %

Materials

Seal face: Silicon carbide (Q1)
Seat: Silicon carbide (Q1)
Secondary seals: EPDM (E), FKM (V)
Metal parts: 1.4401 (G)

Dimensions in mm

d	d_1	d_2	d_3	d_4	d_5	l	l_1	l_2	l_3	l_4	B
20	34	36	29	35	3	51	41	10	5.5	2	3.5
24	38	40	33	39	3	53	43	10	5.5	2	3.5
25	39	41	34	40	3	53	43	10	5.5	2	3.5
28	42	44	37	43	3	55	45	10	5.5	2	3.5
30	44	46	39	45	3	55	45	10	5.5	2	3.5
32	46	48	42	48	3	55	45	10	5.5	2	3.5
33	47	49	42	48	3	55	45	10	5.5	2	3.5
35	49	51	44	50	3	59	49	10	5.5	2	3.5
38	54	58	49	56	4	64	53	11	6	2	4
40	56	60	51	58	4	66	55	11	6	2	4
43	59	63	54	61	4	66	55	11	6	2	4
45	61	65	56	63	4	66	55	11	6	2	4.5
48	64	68	59	66	4	66	55	11	6	2	4.5
50	66	70	62	70	4	73	60	13	6	2.5	4.5
53	69	73	65	73	4	74	61	13	6	2.5	5
55	71	75	67	75	4	74	61	13	6	2.5	5
60	78	85	72	80	4	76	63	13	6	2.5	5
63	81	88	75	83	4	76	63	13	6	2.5	5
65	84	90	77	85	4	80	67	13	6	2.5	5
70	90	95	83	92	4	83	68	15	7	2.5	5
75	95	104	88	97	4	87	72	15	7	2.5	5
80	100	109	95	105	4	87.5	72	15.5	7	3	6
85	107	114	100	110	4	92.5	77	15.5	7	3	6
90	112	119	105	115	4	92.5	77	15.5	7	3	6
95	119	124	110	120	4	97.5	82	15.5	7	3	6
100	124	129	115	125	4	97.5	82	15.5	7	3	6