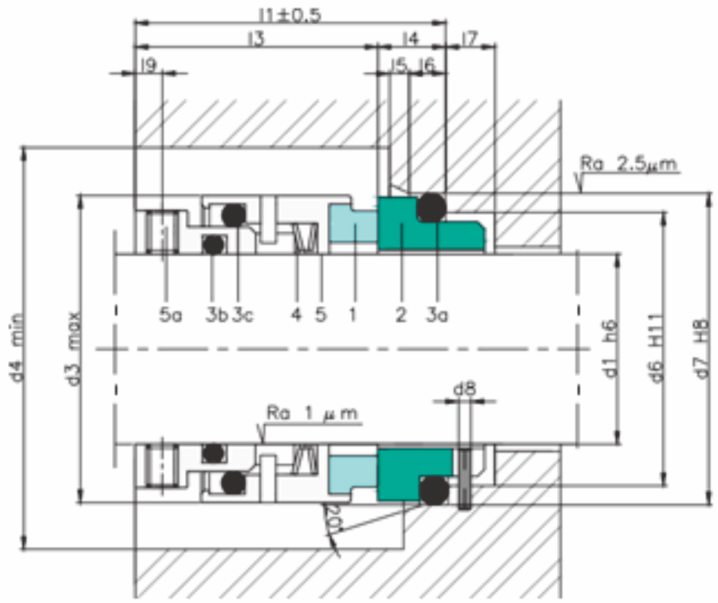
COMPONENTS

1	Rotating contact surface
2	Stationary contact surface
3	O-rings
3a	O-rings
3b	O-rings
4	Springs
5	Metal frame
5a	Set screws

SECTOR

- Pharmaceutical industry
- Power plant technology
- Pulp and paper industry
- Water and waste water technology
- Mining industry
- Food and beverage industry
- Sugar industry
- Contaminated, abrasive and solids containing media
- Thick juice (70 … 75 % sugar content)
- Raw sludge, sewage slurries
- Raw sludge pumps
- Thick juice pumps
- Conveying and bottling of dairy products



E29J

OPEARTING RANGE

Shaft diameter: d1 = 14 … 100 mm (0.55" … 3.94")
Pressure: p1 = 25 bar (363 PSI)
Temperature: t = –50 °C … +220 °C
(–58 °F … +428 °F)
Sliding velocity: vg = 20 m/s (66 ft/s)Axial movement:
d1 = … 25 mm: ±1 mm
d1 = 28 … 63 mm: ±1.5 mm
d1 = from 65 mm: ±2 mm

DESCRIPTION

The wave spring is protected from the fluid. Ideal for using in cleaning processes since the possibility of particles adhering to the seal is considerably reduced.
Internally balanced, with no need for a stepped shaft (E29J).
Suitable for working in applications with high pressures.
The O-ring resting on the shaft does not cause wear as there is no axial movement (chan- ges in pressure).
Seal compliant with standard EN 12756 (UK).

SEAL FACE MATERIALS.

Antimony impregnated carbon graphite
Resin impregnated carbon graphite
Sintered silicon carbide
Reaction bonded silicon carbide
Tungsten carbide

FEATURES

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

ADVANTAGE

- 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
- Variant for operation under vacuum available
- Variant for sterile operation available

DIMENSIONS IN MM

Shaft	Rotary part					Stationary part								Total length
mm	d3	d4	l3	l3A	l9	d6	d7	d8	l4	l4A	l5	l6	l7	l1
18	32	34	30.5	28.5	3	27	33	3	7	9	2	4	8.5	37.5
20	34	36	30.5	28.5	3	29	35	3	7	9	2	5	8.5	37.5
22	36	38	30.5	28.5	3	31	37	3	7	9	2	5	9	37.5
24	38	40	33	31	3.5	33	39	3	7	9	2	5	9	40
25	39	41	33	31	3.5	34	40	3	7	9	2	5	9	40
28	42	44	35.5	33	3.5	37	43	3	7	9.5	2	5	9	42.5
30	44	46	35.5	33	3.5	39	45	3	7	9.5	2	5	9	42.5
32	47	48	35.5	33	3.5	42	48	3	7	9.5	2	5	9	42.5
33	47	49	35.5	33	3.5	42	48	3	7	9.5	2	5	9	42.5
35	49	51	35.5	33	3.5	44	50	3	7	9.5	2	5	9	42.5
38	54	58	37	34.5	4	49	56	4	8	10.5	2	6	9	45
40	56	60	37	34.5	4	51	58	4	8	10.5	2	6	9	45
43	59	63	37	34.5	4	54	61	4	8	10.5	2	6	9	45
45	61	65	37	34.5	4	56	63	4	8	10.5	2	6	9	45
48	64	68	37	34.5	4	59	66	4	8	10.5	2	6	9	45
50	66	70	38	35.5	4.5	62	70	4	9.5	12	2.5	6	9	47.5
53	69	73	38	35.5	4.5	65	73	4	9.5	12	2.5	6	9	47.5
55	71	75	38	35.5	4.5	67	75	4	9.5	12	2.5	6	9	47.5
58	78	83	42	39.5	4.5	70	78	4	10.5	13	2.5	6	9	52.5
60	80	85	42	39.5	4.5	72	80	4	10.5	13	2.5	6	9	52.5
63	83	88	42	39.5	4.5	75	83	4	10.5	13	2.5	6	9	52.5
65	85	90	42	39.5	4.5	77	85	4	10.5	13	2.5	6	9	52.5
68	88	93	41.5	39	4.5	81	90	4	11	13.5	2.5	7	9	52.5
70	90	95	48.5	46	5	83	92	4	11.5	14	2.5	7	9	60
75	99	104	48.5	46	5.5	88	97	4	11.5	14	2.5	7	9	60
80	104	109	48.5	46	5.5	95	105	4	11.5	14	3	7	9	60
85	109	114	48.5	46	5.5	100	110	4	11.5	14	3	7	9	60
90	114	119	52	49.5	5.5	105	115	4	13	15.5	3	7	9	65
95	119	124	52	49.5	5.5	110	120	4	13	15.5	3	7	9	65
100	124	129	52	49.5	5.5	115	125	4	13	15.5	3	7	9	65

Dimensions subject to changes or modifications.