

# **MECHANICAL SEALS**

**TYPE 111**

**LIDERING**

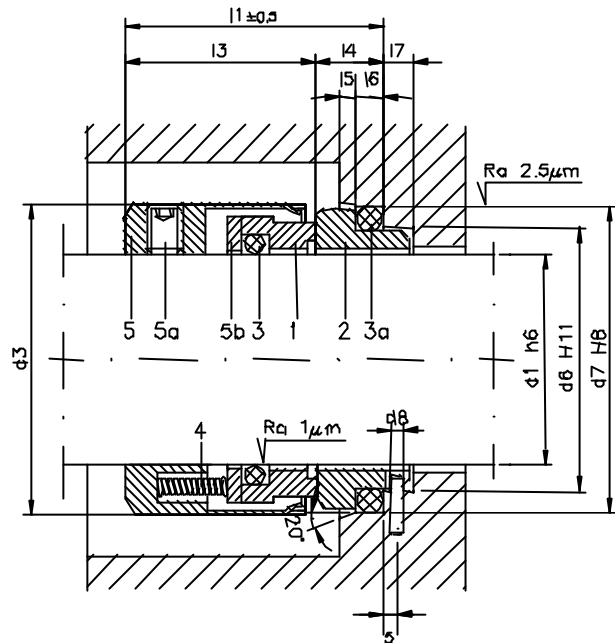
### OPERATING LIMITS

$d_1$	= 18 ÷ 100 mm
$p$	= 10 Kg/cm <sup>2</sup>
$v$	= 20 m/s
$t$	= -15 ÷ +200°C

The operating limits depend on the PV factor

### COMPONENTS

1	Rotative face
2	Stationary face
3	O-ring
3a	O-ring
4	Spring
5	Metal frame
5a	Set screw
5b	Ring



### REFERENCE

### MATERIALS

111 -- BVPGG	Graphite	Aluminium oxide	NBR	SS AISI 316
111 -- BVVGG	Graphite	Aluminium oxide	FKM	SS AISI 316
111 -- BVEGG	Graphite	Aluminium oxide	EPDM	SS AISI 316
111 -- QQPGG	Silicon carbide	Silicon carbide	NBR	SS AISI 316
111 -- QQVGG	Silicon carbide	Silicon carbide	FKM	SS AISI 316
111 -- QQEGG	Silicon carbide	Silicon carbide	EPDM	SS AISI 316
111 -- QBPGG	Silicon carbide	Graphite	NBR	SS AISI 316
111 -- QBVGG	Silicon carbide	Graphite	FKM	SS AISI 316
111 -- QBEGG	Silicon carbide	Graphite	EPDM	SS AISI 316

Available in other materials

# TYPE 111

Multi-spring mechanical seal, unbalanced, independent on direction of rotation.

**DIMENSIONS TABLE** (Measures in mm. subject to change)

Ref.	d <sub>1</sub>	d <sub>3</sub>	d <sub>6</sub>	d <sub>7</sub>	d <sub>8</sub>	L <sub>1</sub>	L <sub>3</sub>	L <sub>4</sub>	L <sub>5</sub>	L <sub>6</sub>	L <sub>7</sub>
18	18	32	27	33	3	31	21.0	10.0	2.0	4	9
20	20	34	29	35	3	31	21.0	10.0	2.0	5	9
22	22	36	31	37	3	31	21.0	10.0	2.0	5	9
24	24	38	33	39	3	34	24.0	10.0	2.0	5	9
25	25	39	34	40	3	34	24.0	10.0	2.0	5	9
28	28	42	37	43	3	34	24.0	10.0	2.0	5	9
30	30	44	39	45	3	35	25.0	10.0	2.0	5	9
32	32	46	42	48	3	35	25.0	10.0	2.0	5	9
33	33	47	42	48	3	35	25.0	10.0	2.0	5	9
35	35	49	44	50	3	35	25.0	10.0	2.0	5	9
38	38	54	49	56	4	39	28.0	11.0	2.0	6	9
40	40	56	51	58	4	39	28.0	11.0	2.0	6	9
43	43	59	54	61	4	39	28.0	11.0	2.0	6	9
45	45	61	56	63	4	39	28.0	11.0	2.0	6	9
48	48	64	59	66	4	39	28.0	11.0	2.0	6	9
50	50	66	62	70	4	41	28.0	13.0	2.5	6	9
53	53	69	65	73	4	41	28.0	13.0	2.5	6	9
55	55	71	67	75	4	41	28.0	13.0	2.5	6	9
58	58	78	70	78	4	42	29.0	13.0	2.5	6	9
60	60	80	72	80	4	42	29.0	13.0	2.5	6	9
63	63	83	75	83	4	45	32.0	13.0	2.5	6	9
65	65	85	77	85	4	45	32.0	13.0	2.5	6	9
68	68	88	81	90	4	48	32.7	15.3	2.5	7	9
70	70	90	83	92	4	48	32.7	15.3	2.5	7	9
75	75	99	88	97	4	52	36.7	15.3	2.5	7	9
80	80	104	95	105	4	52	36.3	15.7	3.0	7	9
85	85	109	100	110	4	52	36.3	15.7	3.0	7	9
90	90	114	105	115	4	55	39.3	15.7	3.0	7	9
95	95	119	110	120	4	55	39.3	15.7	3.0	7	9
100	100	124	115	125	4	55	39.3	15.7	3.0	7	9



Available in measures with wave spring.

**LIDERING**



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