

# **MECHANICAL SEALS**

**TYPE 110**

**LIDERING**

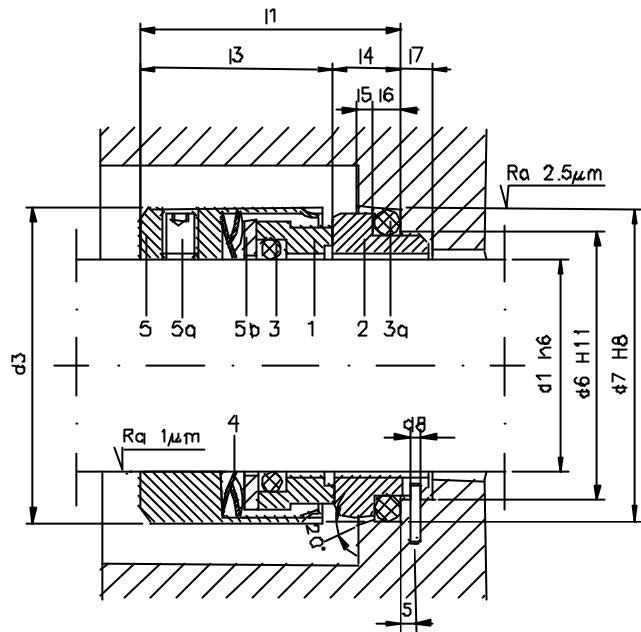
### OPERATING LIMITS

$d_1$	= 14 ÷ 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

110 -- VBPGG	Aluminium oxide	Graphite	NBR	SS AISI 316
110 -- VBVGG	Aluminium oxide	Graphite	FKM	SS AISI 316
110 -- VBEGG	Aluminium oxide	Graphite	EPDM	SS AISI 316
110 -- QQPGG	Silicon carbide	Silicon carbide	NBR	SS AISI 316
110 -- QQVGG	Silicon carbide	Silicon carbide	FKM	SS AISI 316
110 -- QQEGG	Silicon carbide	Silicon carbide	EPDM	SS AISI 316
110 -- QBPGG	Silicon carbide	Graphite	NBR	SS AISI 316
110 -- QBVGG	Silicon carbide	Graphite	FKM	SS AISI 316
110 -- QBEGG	Silicon carbide	Graphite	EPDM	SS AISI 316

Available in other materials

# TYPE 110

Mechanical seal with wave spring, 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>
14	14	25	21	25	3	35.0	25.0	10.0	1.5	4	8.5
16	16	27	23	27	3	35.0	25.0	10.0	1.5	4	8.5
18	18	33	27	33	3	37.5	26.0	11.5	2.0	4	9.0
20	20	35	29	35	3	37.5	26.0	11.5	2.0	5	9.0
22	22	37	31	37	3	37.5	26.0	11.5	2.0	5	9.0
24	24	39	33	39	3	40.0	28.5	11.5	2.0	5	9.0
25	25	40	34	40	3	40.0	28.5	11.5	2.0	5	9.0
28	28	43	37	43	3	42.5	31.0	11.5	2.0	5	9.0
30	30	45	39	45	3	42.5	31.0	11.5	2.0	5	9.0
32	32	47	42	48	3	42.5	31.0	11.5	2.0	5	9.0
33	33	48	42	48	3	42.5	31.0	11.5	2.0	5	9.0
35	35	50	44	50	3	42.5	31.0	11.5	2.0	5	9.0
38	38	55	49	56	4	45.0	31.0	14.0	2.0	6	9.0
40	40	57	51	58	4	45.0	31.0	14.0	2.0	6	9.0
43	43	60	54	61	4	45.0	31.0	14.0	2.0	6	9.0
45	45	62	56	63	4	45.0	31.0	14.0	2.0	6	9.0
48	48	65	59	66	4	45.0	31.0	14.0	2.0	6	9.0
50	50	67	62	70	4	47.5	32.5	15.0	2.5	6	9.0
53	53	70	65	73	4	47.5	32.5	15.0	2.5	6	9.0
55	55	72	67	75	4	47.5	32.5	15.0	2.5	6	9.0
58	58	79	70	78	4	52.5	37.5	15.0	2.5	6	9.0
60	60	81	72	80	4	52.5	37.5	15.0	2.5	6	9.0
63	63	84	75	83	4	52.5	37.5	15.0	2.5	6	9.0
65	65	86	77	85	4	52.5	37.5	15.0	2.5	6	9.0
68	68	89	81	90	4	52.5	34.5	18.0	2.5	7	9.0
70	70	91	83	92	4	60.0	42.0	18.0	2.5	7	9.0
75	75	99	88	97	4	60.0	42.0	18.0	2.5	7	9.0
80	80	104	95	105	4	60.0	41.8	18.2	3.0	7	9.0
85	85	109	100	110	4	60.0	41.8	18.2	3.0	7	9.0
90	90	114	105	115	4	65.0	46.8	18.2	3.0	7	9.0
95	95	119	110	120	4	65.0	47.8	17.2	3.0	7	9.0
100	100	124	115	125	4	65.0	47.8	17.2	3.0	7	9.0



Tolerances L<sub>1</sub> d<sub>1</sub> 14...25 mm ± 1.0; 28...63 mm ± 1.5; 65...100 mm ± 2.0

**LIDERING**



**LIDERING, S.A.**

Pg. Ferrocarrils Catalans, 106 - 108  
08940 Cornellà de Llobregat BARCELONA  
Domestic Sales: 902 480 440  
International Sales: +34 93 480 44 22  
Fax: 93 480 44 04

Cyesa,11 - 28017 MADRID  
Tel: 902 480 440 Fax: 91 361 40 20

**LIDERING, S.A.R.L.**

Parc des Aqueducs, Lot E  
Chemin du Favier RD 42  
69230 Saint-Genis-Laval FRANCE  
Tél: 04 72 67 02 67 Fax: 04 78 56 04 08

**S.A. CONTINENTAL SEALS NEW N.V.**  
(LIDERING GROUP)

Ch. de Louvain 270 - Leuvensestwg  
1410 Waterloo BELGIQUE-BELGIË  
Tél: 02 357 06 30 Fax: 02 354 29 86

<http://www.lidering.com>