



type

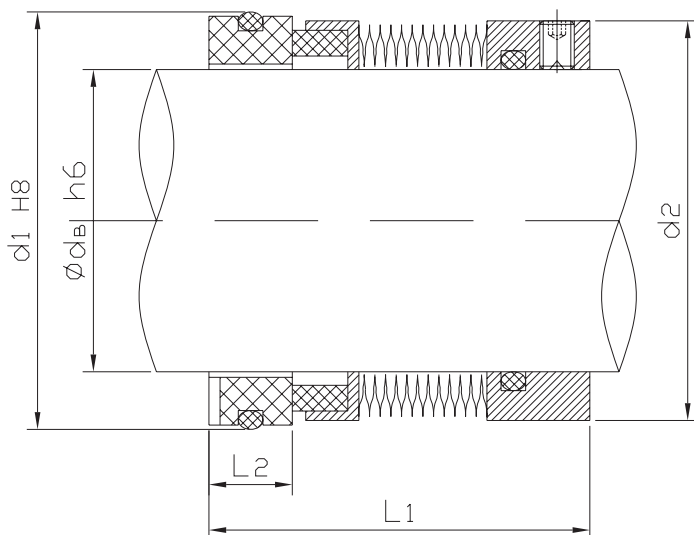
SINGLE
MECHANICAL
SEAL

H10

Rotary body with bellow and pressed ring, stationary ring –from SiC, unbalanced, not dependant on the direction of rotation

OPERATING PARAMETERS

Pressure: $P = 2 \text{ MPa}$
 Temperature: $t = -30 - +200 \text{ }^\circ\text{C}$
 Slide Speed: $V_n = 20 \text{ m/s}$



DESIGN'S CHARACTERISTICS

1. Rotary ring face materials:
 - Graphite;
 - Silicon Carbide.
2. Stationary ring face material:
 - Silicon Carbide.
3. Bellow:
 - Stainless steels - 1.4541
4. Secondary seals materials:
 - NBR – till $T = 90 \text{ }^\circ\text{C}$ (gasoline, oil);
 - FPM – Viton – till $T = 220 \text{ }^\circ\text{C}$ (oil, aggressive solutions);
 - PTFE – Teflon – till $T = 240 \text{ }^\circ\text{C}$ (high aggressive solutions).

MAIN DIMENSIONS (mm)

d_b	d_1	d_2	L_1	L_2
18	33	32	40.8	10
20	35	34	40.8	10
22	37	36	40.8	10
24	39	38	41.4	10
25	40	39	41.4	10
28	43	42	41.7	10
30	45	44	43.1	10
32	48	46	43.1	10
33	48	47	45.4	10
35	50	49.2	46.4	10
38	56	54	47.4	11
40	58	56	47.4	11
43	61	59	47.4	11
45	63	61	47.4	11
48	66	64	48.1	11
50	70	66	50.1	13
53	73	69	50.2	13
55	75	71	51.7	13
60	80	80	53.7	13
65	85	85	55.4	13
70	92	90	58.7	15.3
75	97	99	60.9	15.3
80	105	104	62.9	15.7
85	110	109	62.9	15.7
90	115	114	64.4	15.7
95	120	119	64.4	15.7
100	125	124	64.4	15.7