



SINGLE  
MECHANICAL  
SEAL

type

# D200

Rotary ring from monolithic graphite, unbalanced, with a central spring, dependent on the direction of rotation

### OPERATING PARAMETERS

Pressure:  $P = 1,0 \text{ MPa}$   
 Temperature:  $t = 180 \text{ }^\circ\text{C}$   
 Slide Speed:  $V_n = 15 \text{ m/s}$

### DESIGN'S CHARACTERISTICS

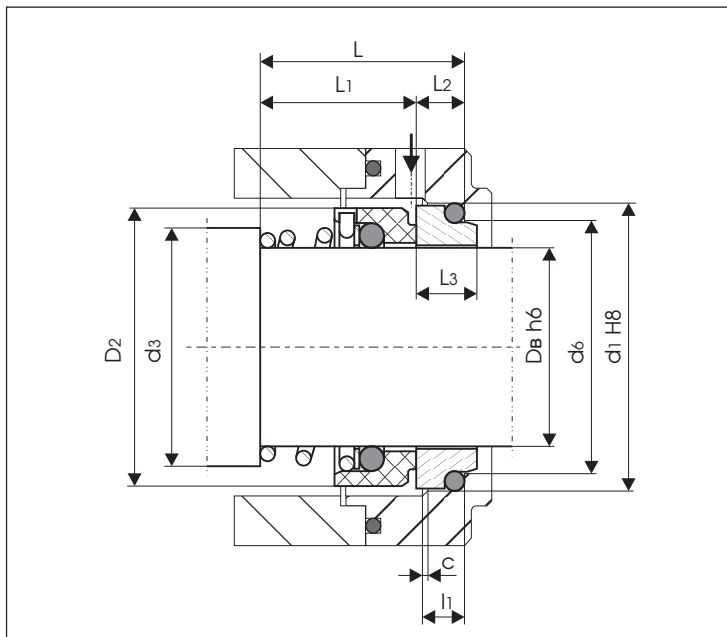
1. Face materials:

- Carbon;
- Ceramic;
- Tungsten Carbide;
- Special Stainless Steel;
- Silicon Carbide.

2. Secondary seals materials:

- NBR – till  $T = 90 \text{ }^\circ\text{C}$  (gasoline, oil);
- EPDM – till  $T = 120 \text{ }^\circ\text{C}$  (water, steam);
- FPM – Viton – till  $T = 220 \text{ }^\circ\text{C}$  (oil, aggressive solutions);
- PTFE – Teflon – till  $T = 240 \text{ }^\circ\text{C}$  (high aggressive solutions).

3. All metal parts are from special stainless steel.



### MAIN DIMENSIONS (mm)

$d_b$	$D_1$	$D_2$	$d_3$	$d_6$	$L$	$L_1$	$L_2$	$L_3$	$l_1$	$C$
6	16,0	15	8	11,5	16,5	11,5	5,6	9,0	5,0	1,2
8	19,2	18	11	15,5	22,5	16,0	7,0	9,0	5,0	1,2
10	19,2	20	13	15,5	22,5	17,0	6,6	9,0	5,0	1,2
12	21,6	22	16	17,5	23,0	17,0	5,6	9,0	5,0	1,2
14	24,6	25	18	20,5	23,0	17,0	5,6	9,0	5,0	1,2
15	24,6	27	19	20,5	24,0	17,0	6,6	9,0	5,0	1,2
16	28,0	27	21	22,0	26,5	19,0	7,5	10,0	6,5	1,5
18	30,0	30	23	24,0	28,5	20,0	8,0	10,0	6,5	1,5
20	35,0	32	26	29,5	29,5	22,0	7,5	10,0	6,5	1,5
22	35,0	35	28	29,5	31,0	23,0	7,5	10,0	6,5	1,5
24	38,0	38	30	32,0	32,5	25,0	7,5	10,0	6,5	1,5
25	38,0	40	31	32,0	34,0	26,0	7,5	10,0	6,5	1,5
26	40,0	41	32	34,0	34,5	26,0	8,0	10,0	6,5	1,5
28	42,0	43	35	36,0	35,5	27,0	9,0	10,0	6,5	1,5
30	45,0	47	37	39,2	35,5	25,0	10,5	10,0	6,5	1,5

It could be provided with the following stationary rings: K1, K2, K3, K4, K5, K6, K7, K8

REMARKS:

1. Tolerances of  $L_1 = \pm 1 \text{ mm}$ .
2. When ordering please define direction of shaft's rotation (View of stationary ring's side – the shaft is with right direction of rotation if it rotates clockwise direction).