

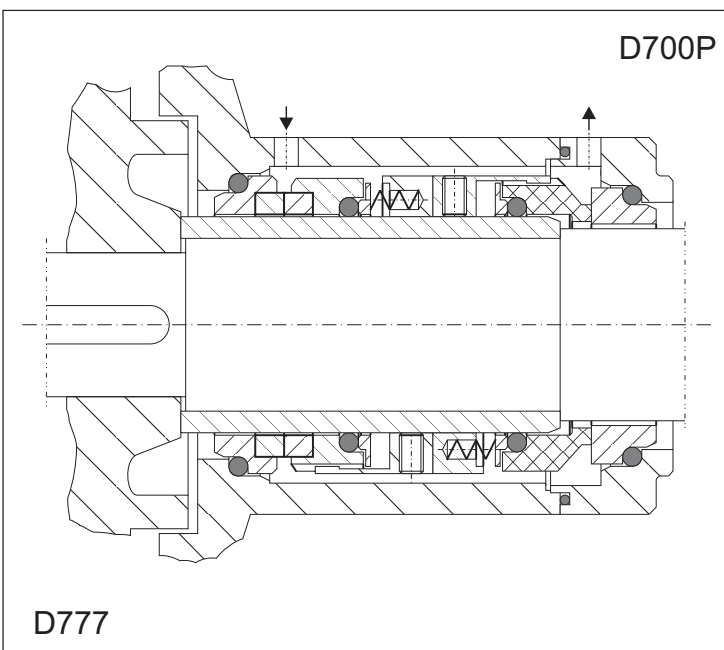
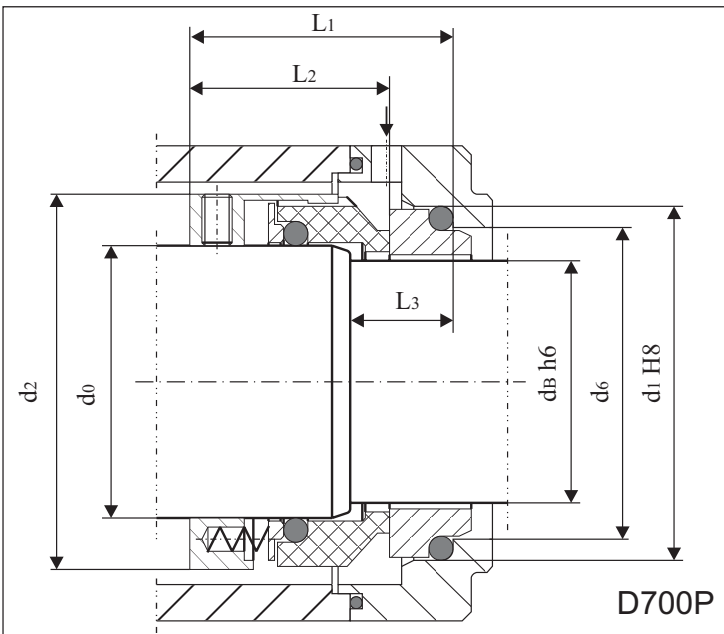
type

SINGLE
MECHANICAL
SEAL

D7P

MOUNTING DIMENSIONS ACCORDING
DIN 24 960

Multiple hidden springs construction,
balanced, not dependant on the direction of
rotation



OPERATING PARAMETERS

Pressure:	P = 4,0 MPa
Temperature:	t = 230 °C
Slide Speed:	Vn = 20 m/s
D777P	Vn = 10 m/s

DESIGN'S CHARACTERISTICS

1. Face materials:

- Graphite;
- Ceramic;
- Tungsten Carbide;
- Silicon Carbide.

2. Secondary seals materials:

- NBR – till T = 90 °C (gasoline, oil);
- EPDM – till T = 120 °C (water, steam);
- FPM – Viton – till T = 220 °C (oil, aggressive solutions);
- PTFE – Teflon – till T = 240°C (high aggressive solutions).

3. All metal parts are from special stainless steel.

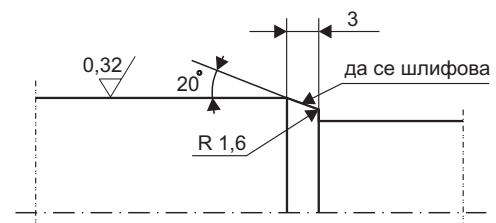
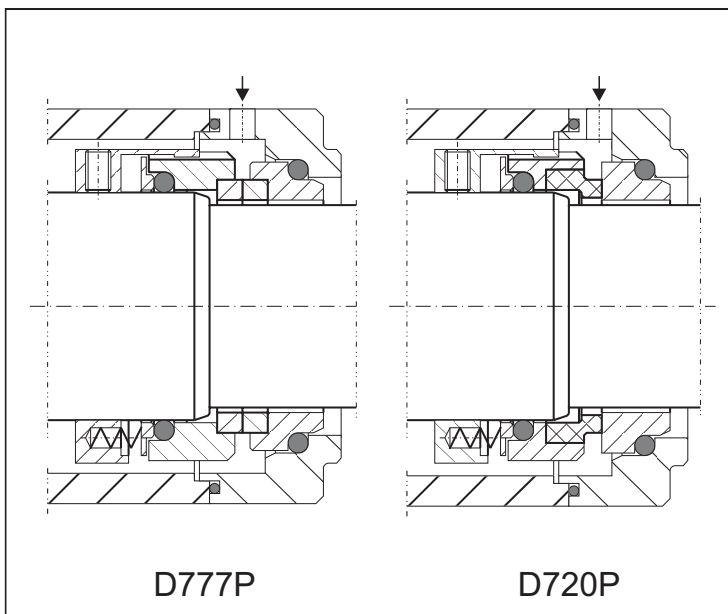
System double mechanical seals “back to back” made with D777 and D700P

MAIN DIMENSIONS (mm)

dB	d0	d1	d2	d6	L1	L2	L3
14	18	25	33	21	42,5	32,5	18
16	20	27	35	23	42,5	32,5	18
18	22	33	37	27	45,0	33,5	20
20	24	35	39	29	45,0	33,5	20
22	26	37	41	31	45,0	33,5	20
24	28	39	43	33	47,5	36,5	20
25	30	40	45	34	47,5	36,5	20
28	33	43	48	37	50,0	38,5	20
30	35	45	50	39	50,0	38,5	20
32	38	48	55	42	50,0	38,5	20
33	38	48	55	42	50,0	38,5	20
35	40	50	57	44	50,0	38,5	20
38	43	56	60	49	52,5	38,5	23
40	45	58	62	51	52,5	38,5	23
43	48	61	65	54	52,5	38,5	23
45	50	63	67	56	52,5	38,5	23
48	53	66	70	59	52,5	38,5	23
50	55	70	72	62	57,5	42,5	25
53	58	73	79	65	57,5	42,5	25
55	60	75	81	67	57,5	42,5	25
58	63	78	84	70	62,5	47,5	25
60	65	80	86	72	62,5	47,5	25
63	68	83	89	75	62,5	47,5	25
65	70	85	91	77	62,5	47,5	25
70	75	92	99	83	70,0	52,0	28
75	80	97	104	88	70,0	52,0	28
80	85	105	109	95	70,0	51,8	28
85	90	110	114	100	75,0	56,8	28
90	95	115	119	105	75,0	56,8	28
95	100	120	124	110	75,0	57,8	28
100	105	125	129	115	75,0	57,8	28

REMARKS:

1. Tolerances of L1 = +/- 0,5 mm.
2. The chamfer of shaft to be made as shown on fig.1



фиг. 1

It is recommended to use stationary rings type:
K1,K2,K7,K8,K9,K10,K11,K12,K13