



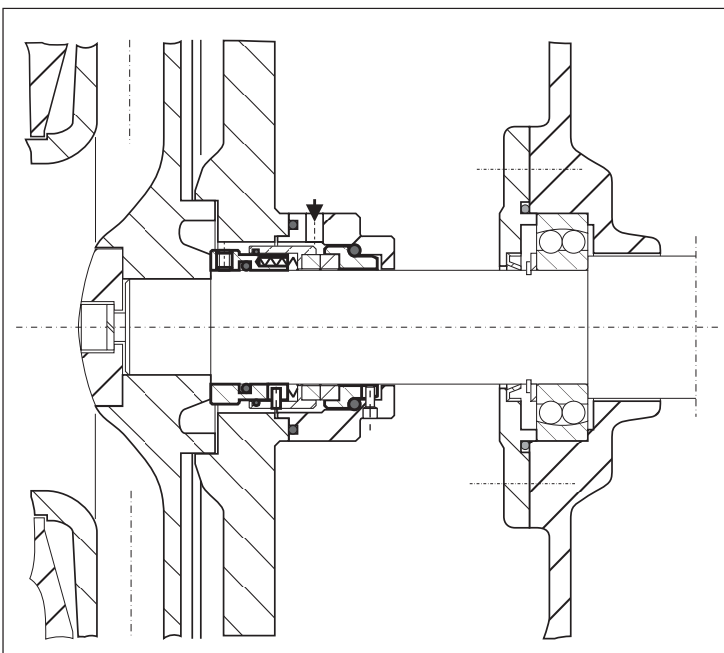
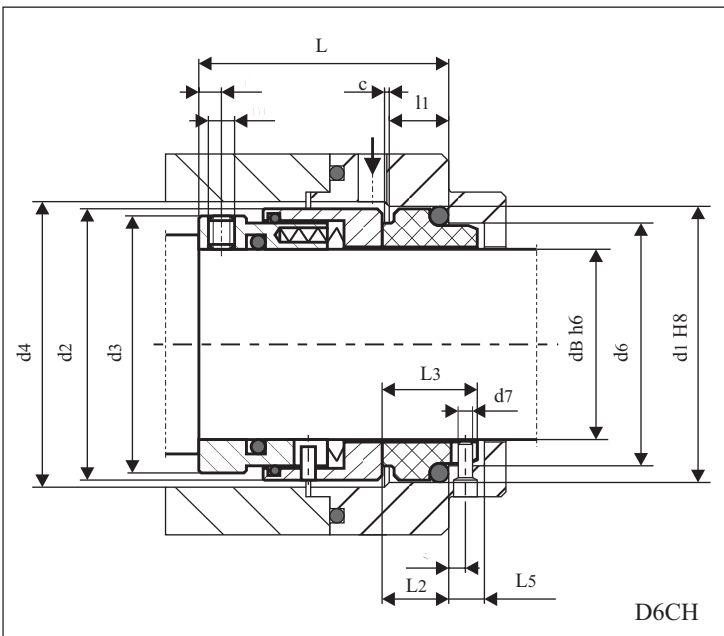
SINGLE
MECHANICAL
SEAL

type

D6CH

MOUNTING DIMENSIONS ACCORDING
DIN 24 960

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



OPERATING PARAMETERS

Pressure:	P = 2,5 MPa
Temperature:	t = 220 °C
	D6CH77 t = 180 °C
Slide Speed:	Vn = 20 m/s
	D6CH77 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.

Exemplary application of mechanical seals D6CH

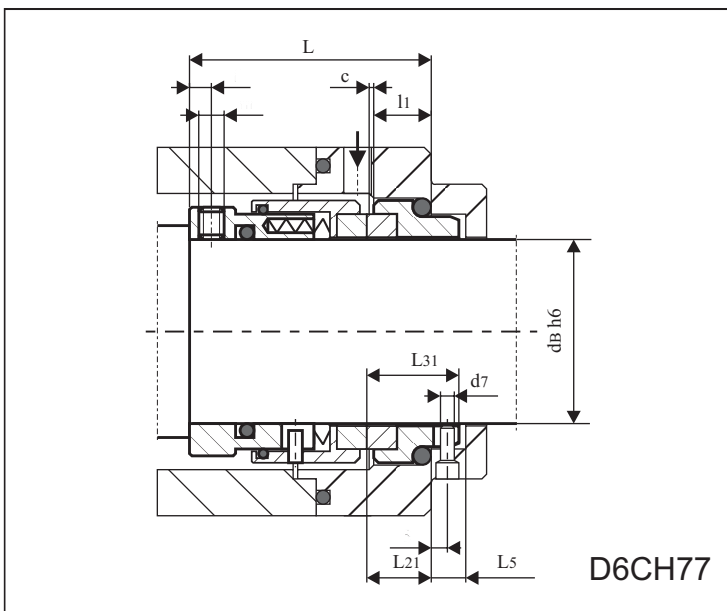
Mechanical seal - D6CH

MAIN DIMENSIONS (mm)

dB	d1	d2	d3	d4	d6	d7	L	L2	L3	L5	l1	c	f	m	L21	L31
18	33	32	26,0	34	27	3	37,5	7,0	14,0	9	5	2,0	3,0	M4	9,0	17,0
20	35	34	28,0	36	29	3	37,5	7,0	14,0	9	5	2,0	3,0	M4	9,0	17,0
22	37	36	30,0	38	31	3	37,5	7,0	14,0	9	5	2,0	3,0	M4	9,0	17,0
24	39	38	32,5	40	33	3	40,0	7,0	14,0	9	5	2,0	3,0	M5	9,0	17,0
25	40	39	33,5	41	34	3	40,0	7,0	14,0	9	5	2,0	3,0	M5	9,0	17,0
28	43	42	36,5	44	37	3	42,5	7,0	14,0	9	5	2,0	3,5	M5	9,5	17,5
30	45	44	38,5	46	39	3	42,5	7,0	14,0	9	5	2,0	3,5	M5	9,5	17,5
32	48	47	41,5	48	42	3	42,5	7,0	14,0	9	5	2,0	3,5	M5	9,5	17,5
33	48	47	41,5	49	42	3	42,5	7,0	14,0	9	5	2,0	3,5	M5	9,5	17,5
35	50	49	43,5	51	44	3	42,5	7,0	14,0	9	5	2,0	3,5	M5	9,5	17,5
38	56	54	47,5	58	49	4	45,0	8,0	15,0	9	6	2,0	4,0	M5	10,5	18,5
40	58	56	49,5	60	51	4	45,0	8,0	15,0	9	6	2,0	4,0	M5	10,5	18,5
43	61	59	52,5	63	54	4	45,0	8,0	15,0	9	6	2,0	4,0	M5	10,5	18,5
45	63	61	54,5	65	56	4	45,0	8,0	15,0	9	6	2,0	4,0	M5	10,5	18,5
48	66	64	57,5	68	59	4	45,0	8,0	15,0	9	6	2,0	4,0	M5	10,5	18,5
50	70	66	59,5	70	62	4	47,5	9,5	16,5	9	6	2,5	4,5	M6	12,0	19,5
53	73	69	62,5	73	65	4	47,5	9,5	16,5	9	6	2,5	4,5	M6	12,0	19,5
55	75	71	64,5	75	67	4	47,5	9,5	16,5	9	6	2,5	4,5	M6	12,0	19,5
58	78	78	68,5	83	70	4	52,5	10,5	17,5	9	6	2,5	4,5	M6	13,0	20,5
60	80	80	70,5	85	72	4	52,5	10,5	17,5	9	6	2,5	4,5	M6	13,0	20,5
63	83	83	73,5	88	75	4	52,5	10,5	17,5	9	6	2,5	4,5	M6	13,0	20,5
65	85	85	75,5	90	77	4	52,5	10,5	17,5	9	6	2,5	4,5	M6	13,0	20,5
68	90	88	78,5	93	81	4	52,5	10,5	18,0	9	7	2,5	4,5	M6	13,0	21,0
70	92	90	80,5	95	83	4	60,0	11,5	18,5	9	7	2,5	5,0	M6	14,0	21,5
75	97	99	89,0	104	88	4	60,0	11,5	18,5	9	7	2,5	5,5	M6	14,0	21,5
80	105	104	94,0	109	95	4	60,0	11,5	18,5	9	7	3,0	5,5	M6	14,0	21,5
85	110	109	99,0	114	100	4	60,0	11,5	18,5	9	7	3,0	5,5	M6	14,0	21,5
90	115	114	104,0	119	105	4	65,0	13,0	20,0	9	7	3,0	5,5	M8	15,5	23,0
95	120	119	109,0	124	110	4	65,0	13,0	20,0	9	7	3,0	5,5	M8	15,5	23,0
100	125	124	114,0	129	115	4	65,0	13,0	20,0	9	7	3,0	5,5	M8	15,5	23,0

REMARKS:

1. Tolerances of L1 = +/- 0,5 mm.



It is recommended to use stationary rings type: K1,K2,K4,K6,K10