



type

SINGLE
MECHANICAL
SEAL

D6CH

ALL DIMENSIONS ACC. TO
EN 12756 (DIN 24960)

Balanced mechanical seal, with product protected multiple springs. Independent on direction of rotation.

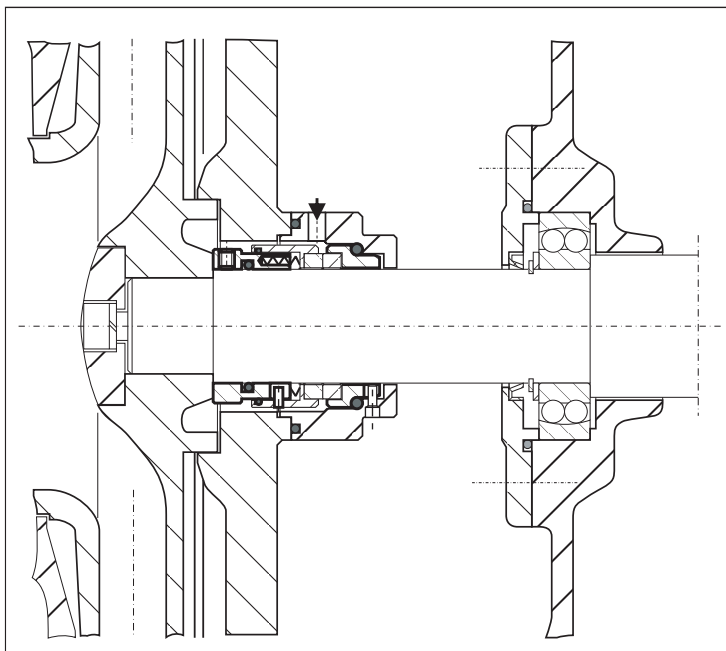
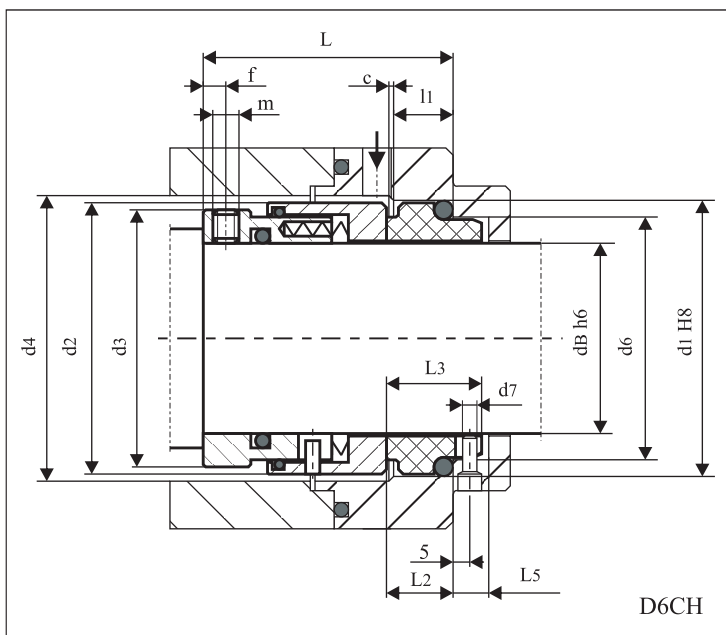
OPERATING LIMITS

Pressure	- P=2,5 MPa
Temperature	
for D6CH	- t= 220 °C
for D6CH77	- t= 180 °C
Sliding speed	
for D6CH	- V _n = 20 m/s
for D6CH77	- V _n = 10 m/s

DESIGN FEATURES

1. Sealing faces materials:
 - carbon graphite
 - tungsten carbide
 - silicon carbide
 - Al₂O₃
 - special stainless steels
2. Secondary seals materials:
 - NB-rubber up to t=90°C
(petrol, oil)
 - EP-rubber up to t=130°C
(water, steam)
 - FPM - up to t=200°C
(oil, corrosive solutions)
 - PTFE - up to t=240°C
(highly corrosive solutions)
 - FEP Encapsulated - up to t=205°C
 - PFA Encapsulated - up to t=260°C
3. All metal parts are made of stainless steel

An example D6CH seal mounting scheme.

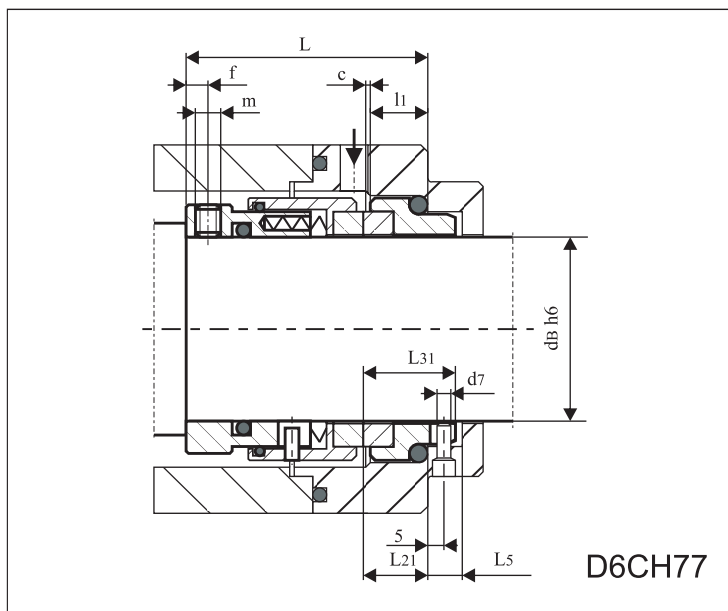


GENERAL DIMENSIONS (mm)

d_R	d_1	d_2	d_3	d_4	d_6	d_7	L	L_2	L_3	L_5	l_1	c	f	m	L_{21}	L_{31}
18	33	32	26,0	34	27	3	37,5	11,5	19,5	9	5	2,0	3,0	M4	9,0	17,0
20	35	34	28,0	36	29	3	37,5	11,5	19,5	9	5	2,0	3,0	M4	9,0	17,0
22	37	36	30,0	38	31	3	37,5	11,5	19,5	9	5	2,0	3,0	M4	9,0	17,0
24	39	38	32,5	40	33	3	40,0	11,5	19,5	9	5	2,0	3,5	M5	9,0	17,0
25	40	39	33,5	41	34	3	40,0	11,5	19,5	9	5	2,0	3,5	M5	9,0	17,0
28	43	42	36,5	44	37	3	42,5	11,5	19,5	9	5	2,0	3,5	M5	9,5	17,5
30	45	44	38,5	46	39	3	42,5	11,5	19,5	9	5	2,0	3,5	M5	9,5	17,5
32	48	47	41,5	48	42	3	42,5	11,5	19,5	9	5	2,0	3,5	M5	9,5	17,5
33	48	47	41,5	49	42	3	42,5	11,5	19,5	9	5	2,0	3,5	M5	9,5	17,5
35	50	49	43,5	51	44	3	42,5	11,5	19,5	9	5	2,0	3,5	M5	9,5	17,5
38	56	54	47,5	58	49	4	45,0	14,0	22,0	9	6	2,0	4,0	M5	10,5	18,5
40	58	56	49,5	60	51	4	45,0	14,0	22,0	9	6	2,0	4,0	M5	10,5	18,5
43	61	59	52,5	63	54	4	45,0	14,0	22,0	9	6	2,0	4,0	M5	10,5	18,5
45	63	61	54,5	65	56	4	45,0	14,0	22,0	9	6	2,0	4,0	M5	10,5	18,5
48	66	64	57,5	68	59	4	45,0	14,0	22,0	9	6	2,0	4,0	M5	10,5	18,5
50	70	66	59,5	70	62	4	47,5	15,0	23,0	9	6	2,5	4,5	M6	12,0	19,5
53	73	69	62,5	73	65	4	47,5	15,0	23,0	9	6	2,5	4,5	M6	12,0	19,5
55	75	71	64,5	75	67	4	47,5	15,0	23,0	9	6	2,5	4,5	M6	12,0	19,5
58	78	78	68,5	83	70	4	52,5	15,0	23,0	9	6	2,5	4,5	M6	13,0	20,5
60	80	80	70,5	85	72	4	52,5	15,0	23,0	9	6	2,5	4,5	M6	13,0	20,5
63	83	83	73,5	88	75	4	52,5	15,0	23,0	9	6	2,5	4,5	M6	13,0	20,5
65	85	85	75,5	90	77	4	52,5	15,0	23,0	9	6	2,5	4,5	M6	13,0	20,5
68	90	88	78,5	93	81	4	52,5	18,0	26,0	9	7	2,5	4,5	M6	13,5	21,0
70	92	90	80,5	95	83	4	60,0	18,0	26,0	9	7	2,5	5,0	M6	14,0	21,5
75	97	99	89,0	104	88	4	60,0	18,0	26,0	9	7	2,5	5,5	M8	14,0	21,5
80	105	104	94,0	109	95	4	60,0	18,2	26,2	9	7	3,0	5,5	M8	14,0	21,5
85	110	109	99,0	114	100	4	60,0	18,2	26,2	9	7	3,0	5,5	M8	14,0	21,5
90	115	114	104,0	119	105	4	65,0	18,2	26,2	9	7	3,0	5,5	M8	15,5	23,0
95	120	119	109,0	124	110	4	65,0	17,2	25,2	9	7	3,0	5,5	M8	15,5	23,0
100	125	124	114,0	129	115	4	65,0	17,2	25,2	9	7	3,0	5,5	M8	15,5	23,0

NOTES:

1. Permissible installing deviations of the L dimension up to $\pm 0,5$ mm.
2. See pages 45-49 for stationary seats type
3. See pages 50-51 for seals designation and material codes



Recommended stationary seats type:

K1, K2, K4, K10