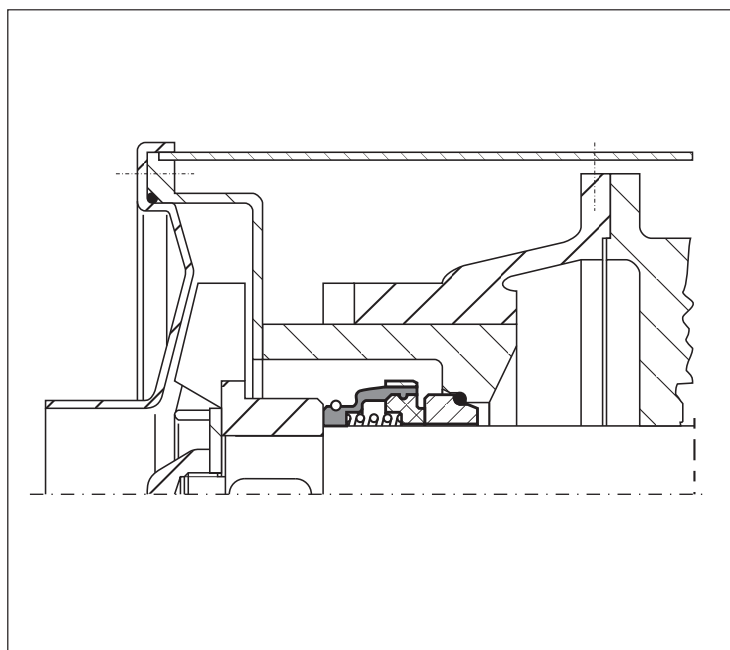
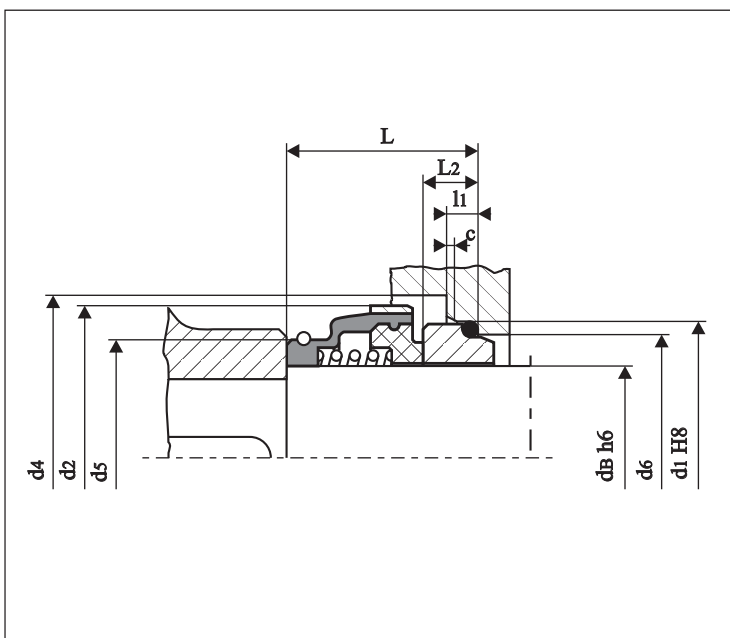


SINGLE
MECHANICAL
SEAL

type

H9XH

Construction with rubber bellow, with a central spring, unbalanced, not dependant on the direction of rotation



OPERATING PARAMETERS

Pressure: P = 0,6 MPa
 Temperature: t = 120 °C
 Slide Speed: Vn = 7 m/s

DESIGN'S CHARACTERISTICS

1. Face materials:

- Graphite;
- Ceramic;
- Tungsten Carbide;
- Silicon Carbide;
- Special stainless steels.

2. Rubber bellow material:

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

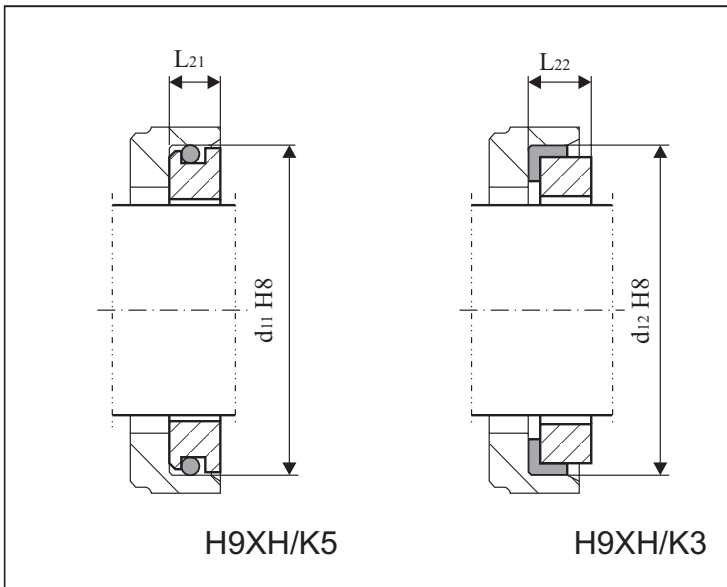
3. All metal parts are from special stainless steel.

Exemplary application of mechanical seals type H9XH running in food processing industry pump

Mechanical seal - H9XH

MAIN DIMENSIONS (mm)

dB	d1	d2	d4	d5	d6	L	L2	l1	c	D11	L21	d12	L22
20	35,0	38,0	41	29,0	29,5	25,5	7,5	8,0	1,5	34,0	5,0	38	9,5
22	35,0	40,0	43	31,0	29,5	27,5	7,5	8,0	1,5	36,0	5,0	-	-
25	38,0	44,0	47	34,5	32,0	27,5	7,5	8,0	1,5	42,0	6,5	-	-
28	42,0	47,0	50	37,5	36,0	31,0	9,0	8,0	1,5	45,0	6,5	45	9,5
32	48,0	53,0	56	42,5	42,2	36,5	10,5	8,0	1,5	50,0	6,5	-	-
35	52,0	56,5	59	46,0	46,2	37,0	11,0	8,0	1,5	54,0	6,5	-	-
50	69,3	78,0	82	63,0	60,8	37,6	11,6	10,0	2,0	70,0	7,0	-	-
70	92,0	100,0	104	90,0	83,0	43,0	13,0	10,0	2,0	95,0	8,0	-	-
115	150,0	167,0	175	148,0	142,0	60,0	12,0	9,0	2,5	-	-	-	-

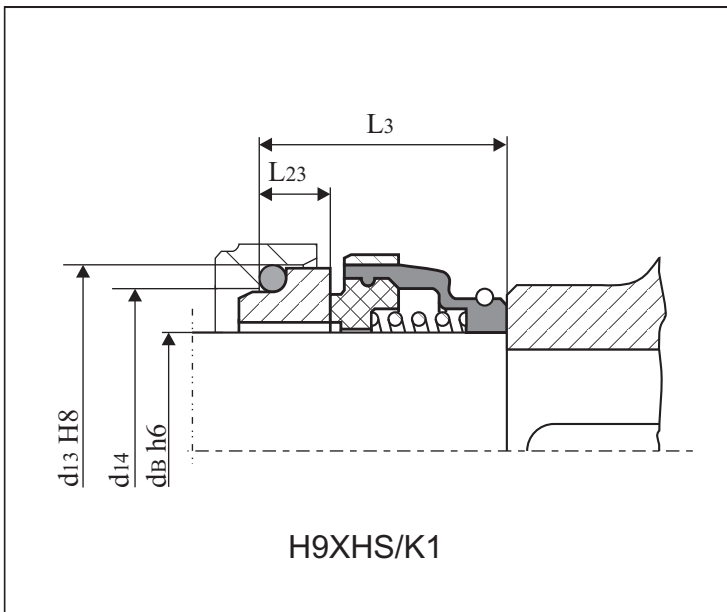


REMARKS:

1. Tolerances of L1 are as follows:

- For d b=10 – 50mm: +/- 0,5 mm
- For d b=50 – 100mm: +/- 0,8 mm

It is recommended to use stationary rings type: K2,K3,K4,K5,K6,K7,K8



Version of H9XHS with dimensions acc. DIN 24 960

dB	d13	d14	L23	L3
20	35,0	29,0	10,5	28,5
22	37,0	31,0	10,5	30,5
25	40,0	34,0	10,5	30,5
28	43,0	37,0	10,5	32,5
32	48,0	42,0	10,5	36,5
35	50,0	44,0	10,5	36,5
50	70,0	62,0	14,0	40,0
70	92,0	16,0	16,0	46,0