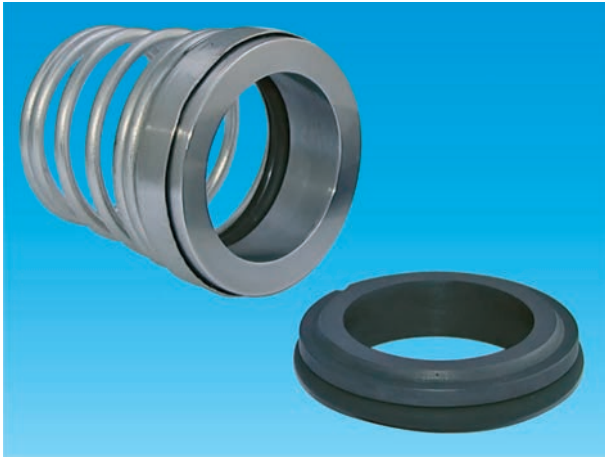




SINGLE
MECHANICAL
SEAL

type

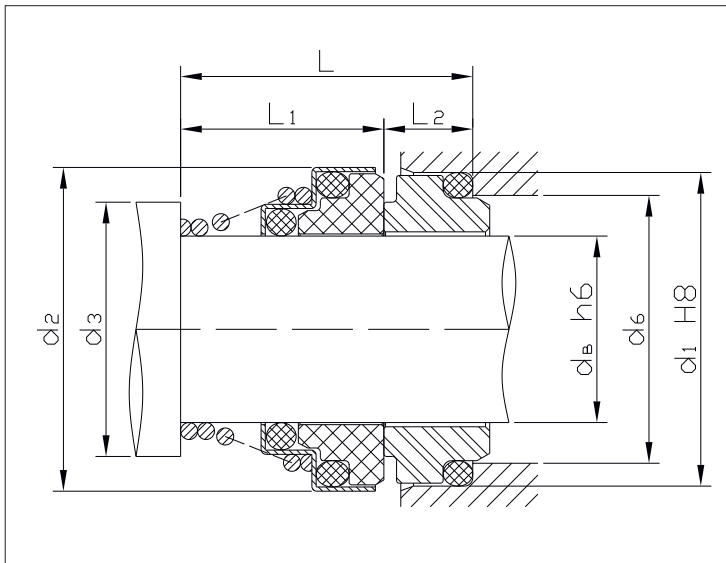
D3C

ALL DIMENSIONS ACC. TO
EN 12756 (DIN 24960)

OPERATING LIMITS

Pressure	- $P=1,0$ MPa
Temperature	- $t= 240^{\circ}\text{C}$
Sliding speed	- $V_n= 15$ m/s

Unbalanced, with single spring, dependent on direction of rotation. Rotary and stationary sealing faces are interchangeable.



DESIGN FEATURES

1. Sealing faces materials:
 - carbon graphite
 - tungsten carbide
 - silicon carbide
 - Al_2O_3
 - special stainless steels
2. Secondary seals materials:
 - NB-rubber up to $t=90^{\circ}\text{C}$
(petrol, oil)
 - EP-rubber up to $t=130^{\circ}\text{C}$
(water, steam)
 - FPM - up to $t=200^{\circ}\text{C}$
(oil, corrosive solutions)
 - PTFE - up to $t=240^{\circ}\text{C}$
(highly corrosive solutions)
 - FEP Encapsulated - up to $t=205^{\circ}\text{C}$
 - PFA Encapsulated - up to $t=260^{\circ}\text{C}$
3. All metal parts are made of stainless steel

GENERAL DIMENSIONS (mm)

d _b	d ₁	d ₂	d ₃	d ₆	L	L ₁	L ₂
16	27	26	21	23	30	23	7
18	33	32	23	27	34	24	10
22	37	36	28	31	35	25	10
24	39	37.4	30	33	37	27	10
25	40	38	31	34	37	27	10
28	43	42	35	37	39	29	10
30	45	44	37	39	39	30	10
33	48	46.5	40	42	49	39	10
35	50	49	43	44	49	39	10
40	58	58	49	51	55	42	13
45	63	64	55	56	55	42	13

NOTES:

1. Permissible installing deviations of the L dimension up to ± 1 mm.
2. When placing an order specify the shaft rotation direction.
(From the stationary seat face point of view the shaft rotates to the right, if it moves clockwise).
3. See pages 45-49 for stationary seats type
4. See pages 50-51 for seals designation and material codes