

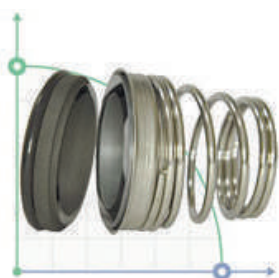


2025 Catalogue de garnitures mécaniques

Equivalent des garnitures mécaniques :
Burgmann, Anga, Vulcan, AESSEAL, Roten,
Chesterton, Latty, Corropac,
SEPCO, JOHN CRANE, Flowserve,
Sealol, Roplan, STERLING, Us Seal,
Fluiten, Tekhniseal

Application dans les pompes :
Lowara, Alfa Laval, APV, Wilo,
Ebara, Grundfos, PCM,
Allweiler, KSB, Inoxpa, DAB,
Sulzer, KSB, et beaucoup
d'autres...

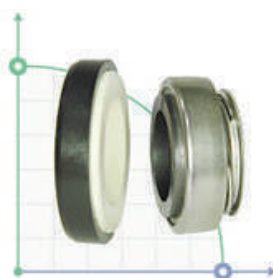
Garnitures mécaniques



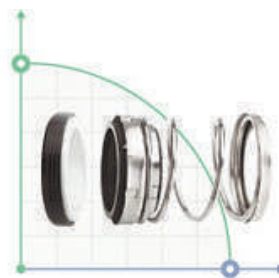
M03R (P04)



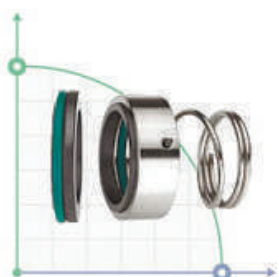
M03 (P04)



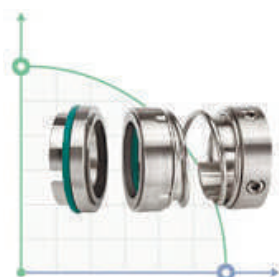
SY (P05)



BX (P6)



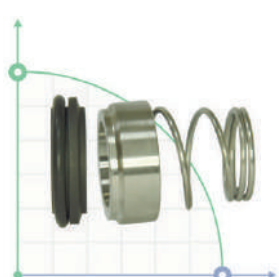
M22 (P07)



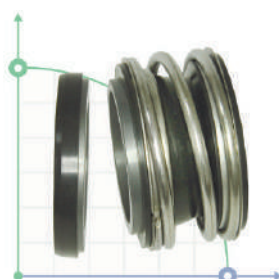
M040 (P08)



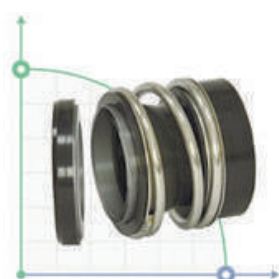
M055 (P09)



M22C (P9)



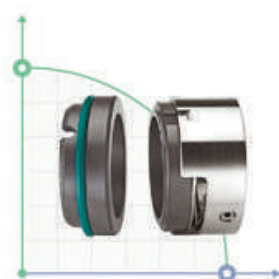
G01 (P10)



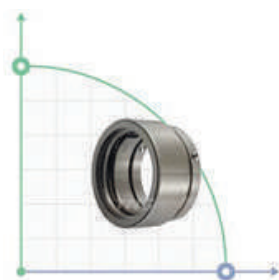
G012 (P11)



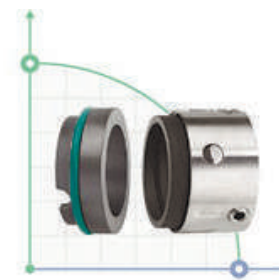
G013 (P12)



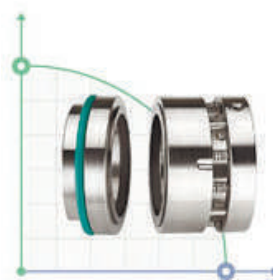
X 07 (P13)



XS (P14)



U59 (P15)

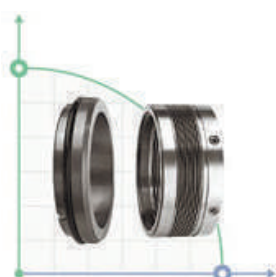


MR7S (P16)

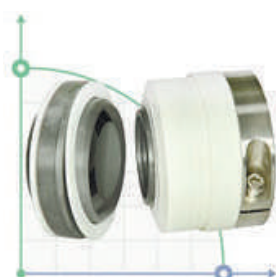


BS520 (P17)

Garnitures mécaniques



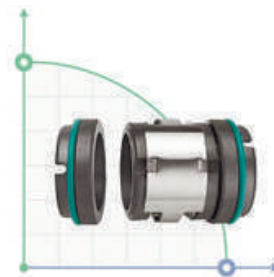
BS 500 (P18)



MTX35 (P19)



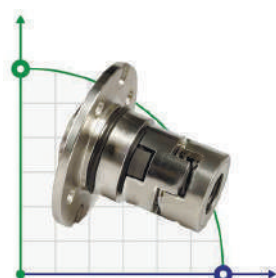
MT.35 (P19)



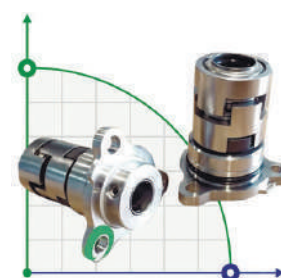
MX7S2 (P20)



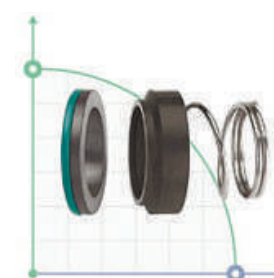
GR02 (P21)



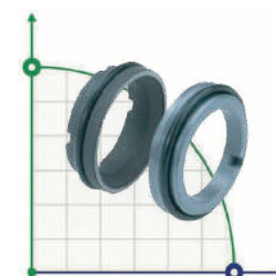
GR22R (P21)



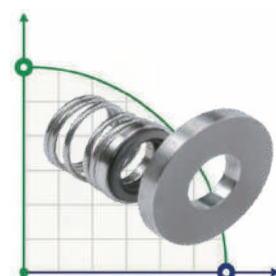
GR33 (P22)



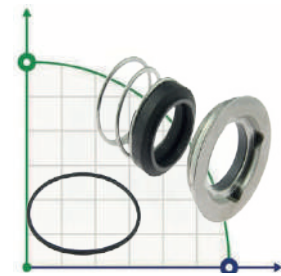
M22C (P23)



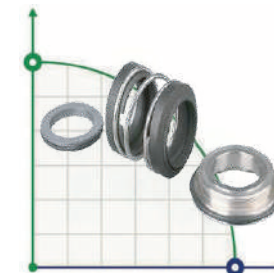
APX (P24)



P01 (P24)



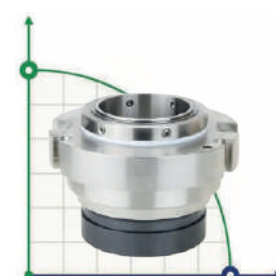
AL032 (P25)



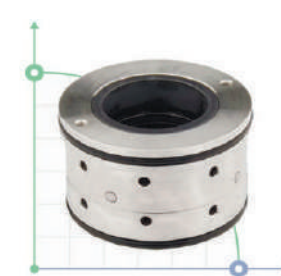
ALD (P25)



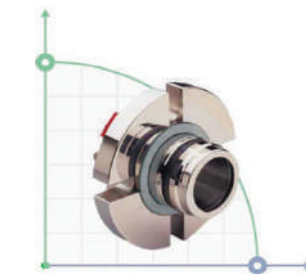
MGEA (P26)



CR35 (P27)



TSX (P27)



MR7S (P28)



Type : **M03R/M03**

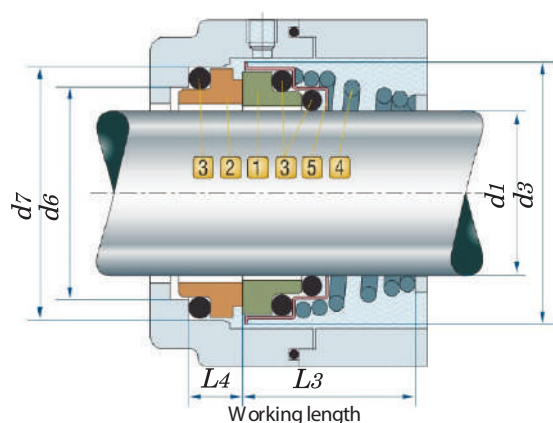
Temperature: -20°~180°

Pressure: ≤1.4 mPa

Speed: ≤15 m/sec

Materials

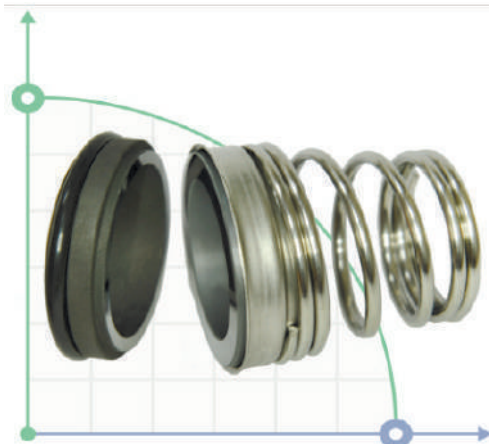
- 1 Rotary ring: Ceramic / SIC / TC.
- 2 Stationary ring: Carbon / SIC / TC.
- 3 Bellows: NBR / EPDM / VITON.
- 4 Spring: SS304 / SS316.
- 5 Metal parts: SS304 / SS316.



Garniture mécanique M03R/M03

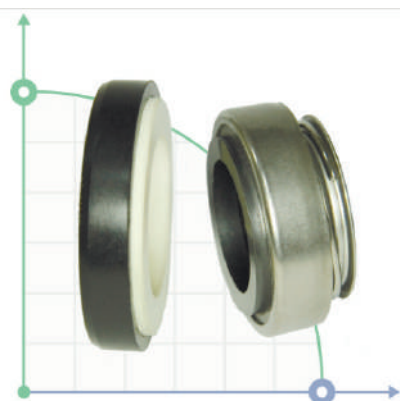
Pour pompes : Lowara (CEA120), Calpeda (NM, MXH, MPC, GXC/GXV), Ebara (CDX, 2CDX, CDXM), Pedrolo (F) et beaucoup d'autres.

Equivalent : Burgmann BT - FN, Roten 3, Vulcan 13. DIMER TCO.15-7, Lidering



M03R	d1 (H6)	d3 (Max)	d6 (h8)	d7 (±0.5)	L3	L4 (h8)
	10	20,0	14,0	18,1	15,0	5,5
	11	22,0	16,5	20,6	18,0	5,5
	12	22,0	16,5	20,6	18,0	5,5
	13	25,0	18,5	23,1	22,0	6,0
	14	25,0	18,5	23,1	22,0	6,0
	15	29,0	21,5	26,9	23,0	7,0
	16	29,0	21,5	26,9	23,0	7,0
	17	29,0	21,5	26,9	23,0	7,0
	18	33,0	24,5	30,9	24,0	8,0
	19	33,0	26,0	30,9	25,0	8,0
	20	33,0	26,0	30,9	25,0	8,0
	21	38,0	29,0	35,4	25,0	8,0
	22	38,0	29,0	35,4	25,0	8,0
	23	38,0	29,0	35,4	27,0	8,0
	24	38,0	29,0	35,4	27,0	8,0
	25	40,0	31,5	38,2	27,0	8,5
	28	46,0	37,5	43,3	30,0	9,0
	29	46,0	37,5	43,3	30,0	9,0
	30	46,0	37,5	43,3	30,0	9,0
	32	46,0	37,5	43,3	30,0	9,0
	33	48,0	45,0	53,5	39,0	11,5
	35	50,0	45,0	53,5	39,0	11,5
	38	58,0	52,0	60,5	39,0	11,5
	40	58,0	52,0	60,5	39,0	11,5
M03	d1 (H6)	d3 (Max)	d6 (h8)	d7 (±0.5)	L3	L4 (h8)
	10	20,0	17,0	21,0	15,0	7,0
	12	22,0	19,0	23,0	18,0	7,0
	14	25,0	21,0	25,0	22,0	7,0
	16	29,0	23,0	27,0	23,0	7,0
	18	33,0	27,0	33,0	24,0	10,0
	20	33,0	29,0	35,0	25,0	10,0
	22	38,0	31,0	37,0	25,0	10,0
	24	38,0	33,0	39,0	27,0	10,0
	25	40,0	34,0	40,0	27,0	10,0
	28	46,0	37,0	43,0	29,0	10,0
	30	46,0	39,0	45,0	30,0	10,0
	32	46,0	42,0	48,0	30,0	10,0
	33	48,0	42,0	48,0	39,0	10,0
	35	50,0	44,0	50,0	39,0	10,0
	38	58,0	49,0	56,0	42,0	13,0
	40	58,0	51,0	58,0	42,0	13,0





Type : SCY

Temperature: $-20^{\circ}\sim 150^{\circ}$

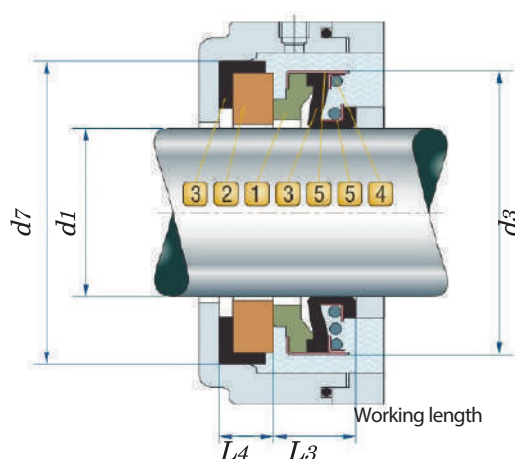
Pressure: ≤ 0.4 mPa

Speed: ≤ 10 m/sec

Materials

- 1 Rotary ring: Carbon / SIC .
- 2 Stationary ring: Ceramic / SIC / TC.
- 3 Bellows: NBR / EPDM / VITON.
- 4 Spring: SS304 / SS316.
- 5 Metal parts: SS304 / SS316.

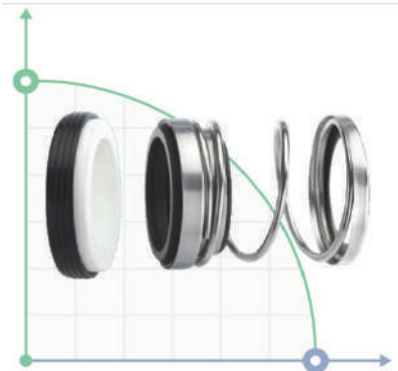
	d1 (H6)	d3 (Max)	d7 (h8)	L3 (± 0.5)	L4
R-BT-AR-6	6	18.0	18.0	10.0	4.0
R-BT-AR-8S	8	18.0	22.0	11.0	4.0
R-BT-AR-8M	8	20.0	21.0	13.0	6.0
R-BT-AR-8L	8	24.0	26.0	11.0	8.0
R-BT-AR-10	10	24.0	26.0	11.0	8.0
R-BT-AR-11	11	24.0	26.0	13.0	8.0
R-BT-AR-12	12	24.0	26.0	13.0	8.0
R-BT-AR-13	13	24.0	26.0	13.0	5,5
R-BT-AR-13H	13	24.0	26.0	13.0	8.0
R-BT-AR-14S	14	26.0	28.0/28.5	13.0	8.0
R-BT-AR-14M	14	28.0	28.0/28.5	13.0	8.0
R-BT-AR-14L	14	32.0	29.5/38.0	13.0	8.0
R-BT-AR-15S	15	28.0	30.0	13.0	8.0
R-BT-AR-15M	15	32.0	29,5	13.0	8.0
R-BT-AR-15L	15	39.0	38.0	13.0	8.0
R-BT-AR-16S	16	28.0	30.0	13.0	8.0
R-BT-AR-16M	16	32.0	29,5	13.0	8.0
R-BT-AR-16L	16	39.0	42.0	13.0	8.0
R-BT-AR-17	17	39.0	42.0	13.0	8.0
R-BT-AR-18	18	39.0	42.0	13.0	8.0
R-BT-AR-19	19	39.0	42.0	13.0	8.0
R-BT-AR-20S	20	35.0	38.0	13.0	8.0
R-BT-AR-20M	20	39.0	42.0	13.0	8.0
R-BT-AR-20L	20	42.0	45.0	13.0	10.0
R-BT-AR-22S	22	39.0	42.0	13.0	8.0
R-BT-AR-22	22	42.0	45.0	13.0	10.0
R-BT-AR-23	23	47.0	50.0	13,5	10.0
R-BT-AR-24	24	47.0	50.0	13,5	10.0
R-BT-AR-25	25	47.0	50.0	13,5	10.0
R-BT-AR-25S	25	41,5	45/50	13,5	10.0
R-BT-AR-26	26	47.0	50.0	13,5	10.0
R-BT-AR-27	27	47.0	50.0	13,5	10.0
R-BT-AR-28	28	54.0	57.0	15.0	10.0
R-BT-AR-30	30	54.0	57.0	15.0	10.0
R-BT-AR-32	32	54.0	57.0	15.0	10.0
R-BT-AR-35	35	60.0	63.0	16.0	10.0
R-BT-AR-38	38	65.0	68.0	18.0	12.0
R-BT-AR-40	40	65.0	68.0	18.0	12.0
R-BT-AR-45	45	70.0	73.0	20.0	12.0
R-BT-AR-50	50	85.0	88.0	23.0	15.0
R-BT-AR-55	55	85.0	88.0	23.0	15.0
R-BT-AR-60	60	105.0	110.0	30.0	15.0
R-BT-AR-65	65	105.0	110.0	30.0	15.0
R-BT-AR-70	70	105.0	110.0	32.0	15.0



Garniture mécanique SCY

Pour pompe : AL-KO, Calpeda (MXP, MGP, NGL), Kripsol, Pedrolo (JCR, PRO-NGA 1A), Grundfos JP Basic 4 PT and in another pumps.

Equivalent : Burgmann BT- AR, AESSEAL B01, Vulcan 18, Anga C10.



Type : **BKX**

Temperature: $-20^{\circ}\sim 150^{\circ}$

Pressure: ≤ 1.5 mPa

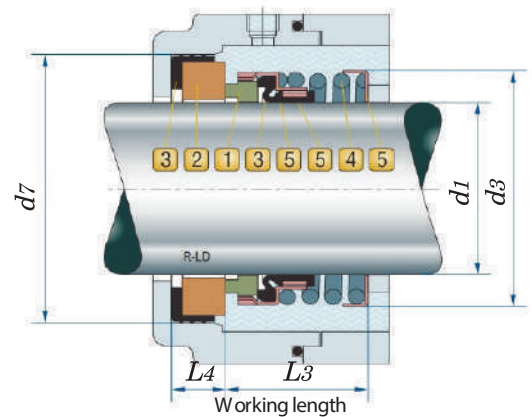
Speed: ≤ 13 m/sec

Materials

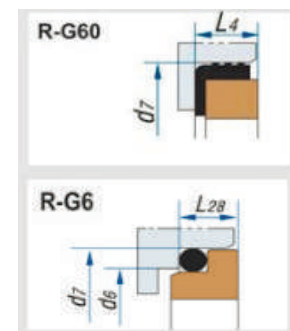
- 1 Rotary ring: Carbon / SIC .
- 2 Stationary ring: Ceramic / SIC / TC .
- 3 Bellows: NBR / EPDM / VITON.
- 4 Spring: SS304 / SS316.
- 5 Metal parts: SS304 / SS316.

R-560C (mm)	d1	d3	d7	L3	L4
10	20,50	21,00	23,90	8,60	
12	22,50	23,00	23,90	8,60	
14	24,50	25,00	26,40	8,60	
16	26,50	27,00	26,40	8,60	
18	30,50	33,00	27,50	10,00	
20	34,00	35,00	27,50	10,00	
22	36,00	37,00	27,50	10,00	
24	40,00	39,00	30,00	10,00	
25	40,00	40,00	30,00	10,00	
28	42,00	43,00	32,50	10,00	
30	45,00	45,00	32,50	10,00	
32	47,00	48,00	32,50	10,00	
33	47,00	48,00	32,50	10,00	
35	50,00	50,00	32,50	10,00	
38	55,00	56,00	34,00	11,00	
40	57,00	58,00	34,00	11,00	
43	59,00	61,00	34,00	11,00	
45	61,50	63,00	34,00	11,00	
48	65,50	66,00	34,00	11,00	
50	67,50	70,00	34,50	13,00	
53	70,50	73,00	34,50	13,00	
55	72,00	75,00	34,50	13,00	
58	78,50	78,00	39,50	13,00	
60	80,00	80,00	39,50	13,00	
63	83,00	83,00	39,50	13,00	
65	84,50	85,00	39,50	13,00	
68	88,00	90,00	37,20	15,30	
70	90,00	92,00	44,70	15,30	
75	99,00	97,00	44,70	15,30	
80	104,00	105,00	44,30	15,70	

R-BIA (mm)	d1	d3	d7	L3	L4
14	24,50	30,00	18,70	5,00	
16	26,50	32,00	21,00	5,00	
18	30,50	35,00	22,50	7,50	
20	34,00	35,00	21,00	8,00	
24	40,00	39,00	25,50	8,00	
25	40,00	40,00	25,50	8,00	
28	42,00	43,00	25,50	8,00	
30	45,00	45,00	25,50	9,00	
32	47,00	48,00	33,50	9,00	
33	47,00	48,00	33,50	9,00	
35	50,00	50,00	33,50	9,00	
38	55,00	56,00	33,50	9,00	
40	57,00	58,00	33,50	9,00	
45	61,50	63,00	38,00	9,50	
48	65,50	66,00	38,00	9,50	
50	67,50	70,00	38,00	9,50	
53	70,50	73,00	41,00	9,50	
55	72,00	75,00	41,00	9,50	
58	78,50	78,00	42,00	9,50	
60	80,00	80,00	42,00	9,50	
65	84,50	85,00	43,00	9,50	
70	90,00	92,00	45,00	11,00	
75	99,00	97,00	48,00	12,00	
80	104,00	104,00	55,00	12,00	
65	84,50	85,00	39,50	13,00	
68	88,00	90,00	37,20	15,30	
70	90,00	92,00	44,70	15,30	
75	99,00	97,00	44,70	15,30	
80	104,00	105,00	44,30	15,70	



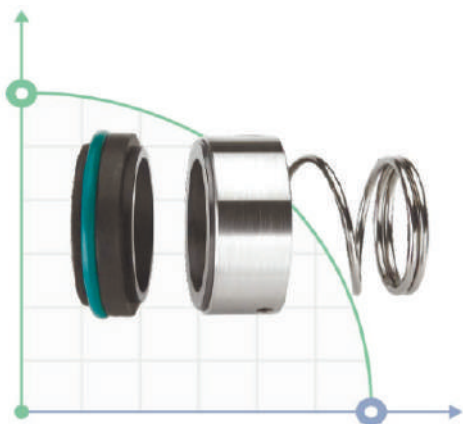
Type de partie fixe



Garniture mécanique BKX

Pour pompes : Haigh, Hidrostral, Hilge, Inbeat, INOX series,...

Equivalent : Burgmann MG920/ D1-G50 seal. Crane 2 (N SEAT) seal. Flowserve 200 seal Latty T200



Type : M22

Temperature: $-20^{\circ}\sim 180^{\circ}$

Pressure: ≤ 1.0 mPa

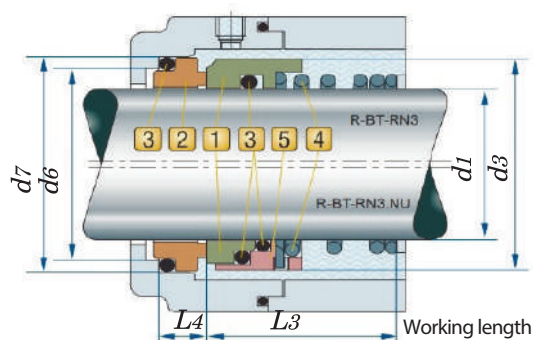
Speed: ≤ 15 m/sec

Materials

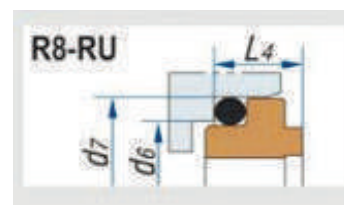
- 1 Rotary ring: SUS/ SIC / TC.
- 2 Stationary ring: Carbon / SIC / TC.
- 3 Bellows: NBR / EPDM / VITON.
- 4 Spring: SS304 / SS316.
- 5 Metal parts: SS304 / SS316.

M22

d1 (H6)	d3 (Max)	d6 (h8)	d7 (± 0.5)	L3	L4 (h8)
10	19	17	21	15	7
12	21	19	23	18	7
14	23	21	25	22	7
16	26	23	27	23	7
18	29	27	33	24	10
20	31	29	35	25	10
22	33	31	37	25	10
24	35	33	39	27	10
25	36	34	40	27	10
28	40	37	43	29	10
30	43	39	45	30	10
32	46	42	48	30	10
33	46	42	48	39	10
35	49	44	50	39	10
38	53	49	56	42	13
40	56	51	58	42	13
43	59	54	61	47	13
45	61	56	63	47	13
48	64	59	66	47	13
50	66	62	70	46	14
53	69	65	73	56	14
55	71	67	75	56	14
58	76	70	78	56	14
60	78	72	80	56	14
63	81	75	83	56	14
65	84	77	85	66	14
68	88	81	90	64	16
70	90	83	92	64	16
75	98	88	97	64	16
80	100	95	105	72	18
85	107	100	110	72	18
90	111	105	115	72	18
95	119	110	120	72	18
100	124	115	125	72	18



Type de partie fixe



Garniture mécanique M.22

Pour pompes : Lowara, Ebara (3M), EMU, Flugt, Fristam, GEA Tuchenhausen, Goetze, etc.

Equivalent : Burgmann BT-RN3 seal, Flowserve 42 seal, Latty T900 seal, Sterling SR2 seal.



Type : **M400**

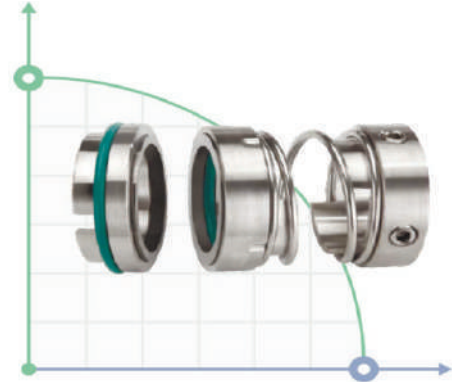
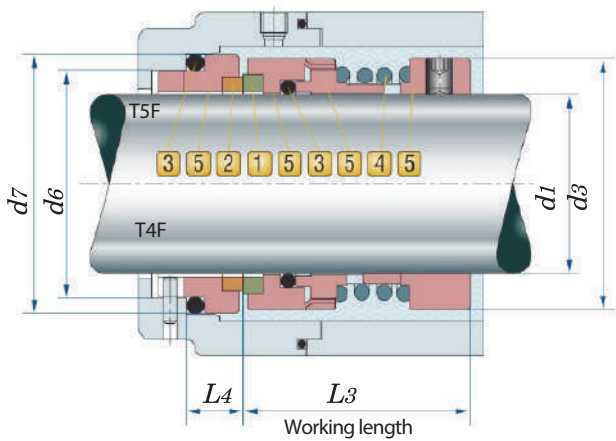
Temperature: $-20^{\circ}\sim 140^{\circ}$

Pressure: ≤ 1.4 mPa

Speed: ≤ 15 m/sec

Materials

- 1 Rotary ring: SIC / TC.
- 2 Stationary ring: Carbon / SIC / TC.
- 3 Bellows: NBR / EPDM / VITON.
- 4 Spring: SS304.
- 5 Metal parts: SS304.



d1 (H6)	d3 (Max)	d4 (h8)	d7	L3 (± 0.5)	L4
20	34	29	35	26,5	10,0
22	36	31	37	37,5	10,5
25	39	34	40	39,5	10,5
28	42	37	43	43,5	11,5
30	44	39	45	43,5	11,5
35	49	44	50	43,5	11,5
38	54	49	56	52,0	13,0
40	56	51	58	52,0	13,0
45	61	56	63	52,0	13,0
50	66	62	70	56,0	14,0
55	71	67	75	56,0	14,0
60	80	72	80	61,0	14,0
65	85	77	85	61,0	14,0
70	90	83	92	63,0	17,0
75	99	88	97	63,0	17,0
80	104	95	105	68,0	17,0



Type : M22C / M055

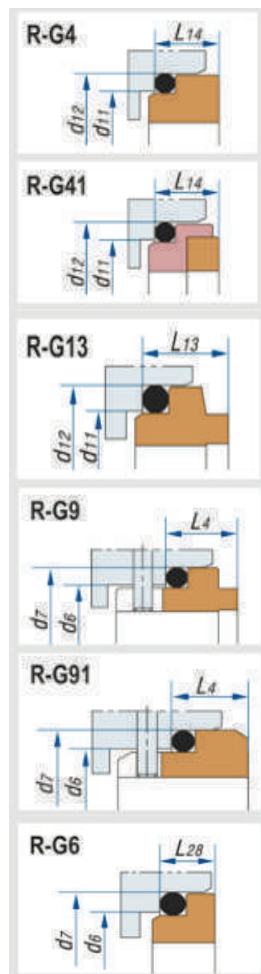
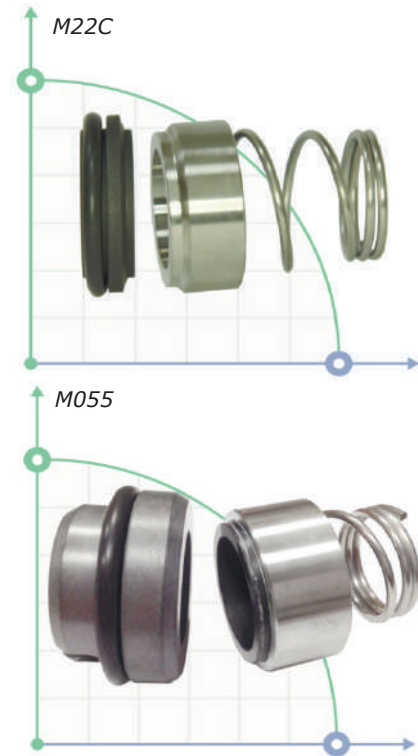
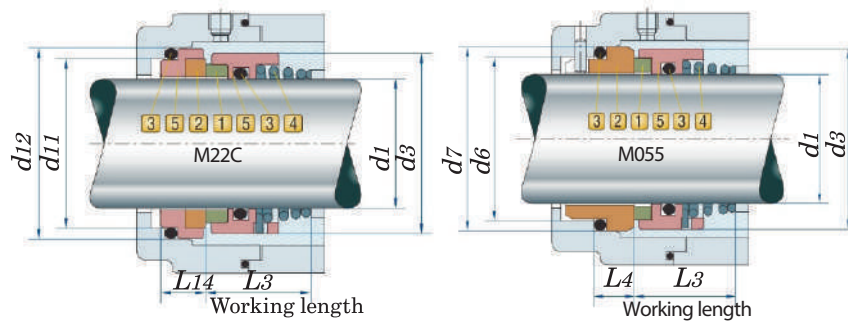
Temperature: $-20^{\circ}\sim 180^{\circ}$

Pressure: ≤ 1.2 mPa

Speed: ≤ 15 m/sec

Materials

- 1 Rotary ring: Carbon / SIC / TC.
- 2 Stationary ring: Carbon/Ceramic/SIC/SUS.
- 3 Bellows: NBR / EPDM / VITON.
- 4 Spring: SS304 / SS316.
- 5 Metal parts: SS304 / SS316.



d1 (h6)	d2	d3 (min)	d7 H8	d12	L2 (± 0.5)	L3 (± 0.5)	L4	L13	L14	L28
12	2 1	2 1	2 3	2 1,6	1 5,5	1 6,0	1 0,0	7,6	5,6	6,6
14	2 3	2 3	2 5	2 4,6	1 5,5	1 6,5	1 0,0	7,6	5,6	6,6
15	2 4	-	-	2 4,6	1 5,5	-	-	8,6	6,6	-
16	2 6	2 6	2 7	2 8,0	1 7,5	1 8,0	1 0,0	9,0	7,5	6,6
18	2 9	2 9	3 3	3 0,0	1 8,5	1 9,5	1 1,5	1 0,0	8,0	7,5
19	-	3 1	-	3 1,0	2 0,0	-	-	8,6	7,5	-
20	3 1	3 1	3 5	3 5,0	2 0,0	2 2,0	1 1,5	9,5	7,5	7,5
22	3 3	3 3	3 7	3 5,0	2 1,5	2 1,5	1 1,5	9,5	7,5	7,5
24	3 5	3 5	3 9	3 8,0	2 3,0	2 3,5	1 1,5	9,5	7,5	7,5
25	3 6	3 6	4 0	3 8,0	2 4,5	2 6,5	1 1,5	9,5	7,5	7,5
26	-	3 7	-	4 0,0	2 4,5	-	-	1 0,0	8,0	-
28	4 0	4 0	4 3	4 2,0	2 4,5	2 6,5	1 1,5	1 1,0	9,0	7,5
30	4 3	4 3	4 5	4 5,0	2 4,5	2 6,5	1 1,5	1 1,0	1 0,5	7,5
32	4 6	4 6	4 8	4 8,0	2 8,0	2 8,5	1 1,5	1 1,0	1 0,5	7,5
33	-	4 7	4 8	-	-	2 8,5	1 1,5	-	-	7,5
35	4 9	4 9	5 0	5 2,0	2 8,0	2 8,5	1 1,5	1 1,5	1 1,0	7,5
38	5 3	5 3	5 6	5 5,0	3 1,0	3 3,5	1 4	1 1,5	1 1,0	9,0
40	5 6	5 6	5 8	5 8,0	3 4,0	3 6,0	1 4	1 1,5	1 0,8	9,0
42	-	5 9	-	6 2,0	3 5,0	-	-	1 4,3	1 2,0	-
43	5 9	5 9	6 1	6 2,0	3 5,0	3 8,5	1 4	1 4,3	1 2,0	9,0
45	6 1	6 1	6 3	6 4,0	3 6,5	3 9,5	1 4	1 4,3	1 1,6	9,0
48	6 4	6 4	6 6	6 8,4	4 2,0	4 6,0	1 4	1 4,3	1 1,6	9,0
50	6 6	6 6	7 0	6 9,3	4 3,0	4 5,0	1 5	1 4,3	1 1,6	9,5
53	-	6 9	7 3	-	-	4 7,0	1 5	1 5,3	-	1 1,0
55	7 1	7 1	7 5	7 5,4	4 7,0	4 9,0	1 5	1 5,3	1 3,3	1 1,0
58	7 6	7 6	7 8	7 8,4	5 0,0	5 5,0	1 5	1 5,3	1 3,3	1 1,0
60	7 8	7 8	8 0	8 0,4	5 1,0	5 5,0	1 5	1 5,3	1 3,3	1 1,0
63	-	8 3	8 3	-	-	5 5,0	1 5	-	1 3,3	1 1,0
65	8 4	8 4	8 5	8 5,4	5 2,0	5 5,0	1 5	1 5,3	1 3,0	1 1,0
68	8 8	8 8	9 0	9 1,5	5 3,0	5 5,0	1 8	1 6,0	1 3,7	1 1,3
70	9 0	9 0	9 2	9 2,0	5 4,0	5 7,0	1 8	1 5,3	1 3,0	1 1,3
75	9 8	9 8	9 7	9 9,0	5 5,0	6 2,0	1 8	1 5,3	1 4,0	1 1,3
80	1 0 0	1 0 0	1 0 5	1 0 4,0	5 8,0	6 1,8	1 8,2	1 6,3	1 5,0	1 1,3



Type : **M010**

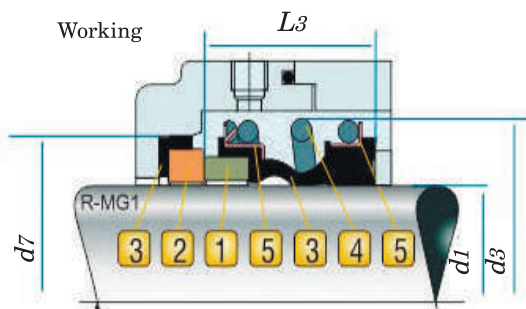
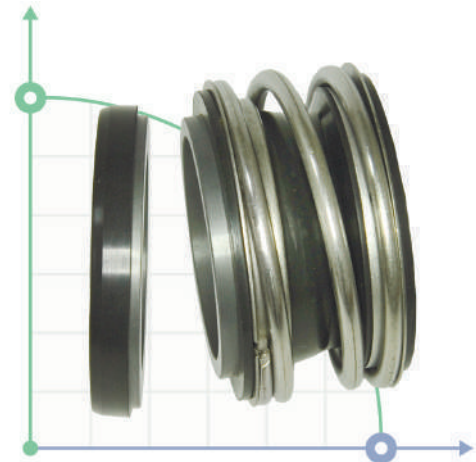
Temperature: -20°~140°

Pressure: ≤1.4 mPa

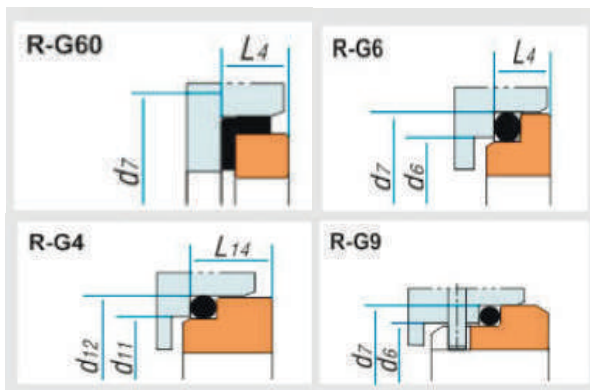
Speed: ≤15 m/sec

Materials

- 1 Rotary ring: Carbon / SIC / TC.
- 2 Stationary ring: .Ceramic / SIC / TC.
- 3 Bellows: NBR / EPDM / VITON.
- 4 Spring: SS304 / SS316.
- 5 Metal parts: SS304 / SS316.



Type de partie fixe



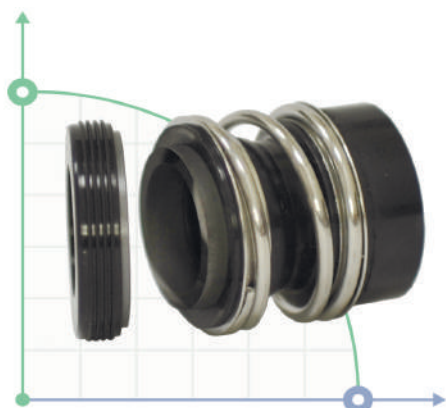
Garniture mécanique simple (type M010), avec soufflet élastomère, non équilibrée, à ressort central, indépendante du sens de rotation de l'arbre.

Pour pompes : centrifuges, mélangeurs, et autres équipements incluant des mécanismes rotatifs pour le drainage des eaux,...

Alfa Laval, Ebara (3M, DWO), Lowara, KSB (Etanorm, Etachrom), WILO (MVI, MHI, IPL/DPL), Grundfos (CDM), Saer (IP) et beaucoup d'autres.

Equivalent : Burgmann MG1, AESSEAL B02, Flowsolve PacSeal 190, ROTEN L3, Vulcan Type 19, ANG A1, Sterling SMG1, Hermetica, 212.N2

d1 (h6)	d3 (Max)	d7 H8	L3 (±0.5)	L4	d12 (H8)	L14
8	21.0	21	14.0	6.0		
10	22.5	21	14.5	6.6	19.2	6.6
12	25.0	23	15.0	6.6	21.6	5.6
14	28.5	25	17.0	6.6	24.6	5.6
15	28.5	27	17.0	6.6	24.6	6.6
16	28.5	27	17.0	6.6	28.0	7.5
18	32.0	33	19.5	7.5	30.0	8.0
19	3.65	3.5	21.5	7.5	35.0	7.5
20	37.0	3.5	21.5	7.5	35.0	7.5
22	37.0	37	21.5	7.5	35.0	7.5
24	42.5	39	22.5	7.5	38.0	7.5
25	42.5	40	23.0	7.5	38.0	7.5
28	49.0	43	26.5	7.5	42.0	9.0
30	49.0	4.5	26.5	7.5	45.0	10.5
32	53.5	48	27.5	7.5	48.0	10.5
33	53.5	48	27.5	7.5	50.0	11.0
35	57.0	50	28.5	7.5	52.0	11.0
38	59.0	56	30.0	9.0	55.0	10.3
40	62.0	58	30.0	9.0	58.0	10.8
42	65.5	61	30.0	9.0	62.0	12.0
43	65.5	61	30.0	9.0	62.0	12.0
45	68.0	63	30.0	9.0	64.0	11.6
48	70.5	66	30.5		68.4	11.6
50	74.0	70	30.5	9.5	69.3	11.6
53	78.5	73	33.0	11.0	72.3	12.3
55	81.0	75	35.0	11.0	75.4	13.3
58	85.5	78	37.0	11.0	78.4	13.3
60	88.5	80	38.0	11.0	80.4	13.3
65	93.5	85	40.0	11.0	85.4	13.0
68	96.5	90	40.0	11.3	91.5	13.7
70	99.5	92	40.0	11.3	92.0	13.0
75	107.0	97	40.0	11.3	99.0	14.0
80	112.0	105	40.0	12.0	104.0	15.0
85	120.0	110	41.0	14.0	109.0	14.8
90	127.0	115	45.0	14.0	114.0	14.8
95	132.0	120	46.0	14.0	120.3	15.8
100	137.0	125	47.0	14.0	123.3	15.8



Type : M210

Temperature: $-20^{\circ}\sim 140^{\circ}$

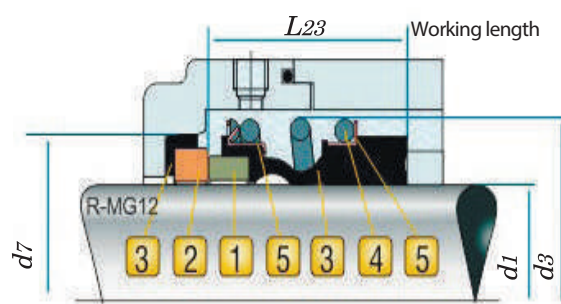
Pressure: ≤ 1.4 mPa

Speed: ≤ 15 m/sec

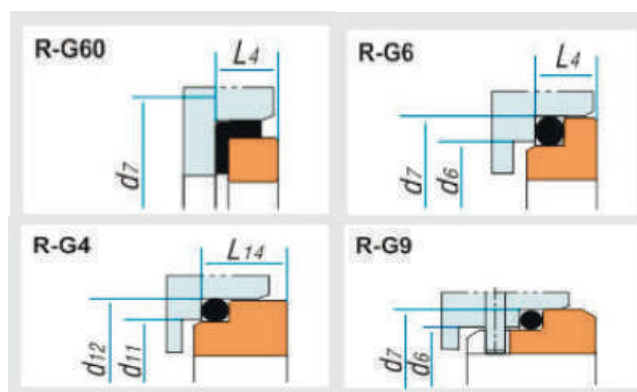
Materials

- 1 Rotary ring: Carbon / SIC / TC.
- 2 Stationary ring: Ceramic / SIC / TC.
- 3 Bellows: NBR / EPDM / VITON.
- 4 Spring: SS304 / SS316.
- 5 Metal parts: SS304 / SS316.

d1 (h6)	d3 (Max)	d7 (H8)	L23 (± 0.5)	L4	d12 (H8)	L14
10	22,5	21,0	25,9	6,6	19,2	6,6
12	25,0	23,0	25,9	6,6	21,6	5,6
14	28,5	25,0	28,4	6,6	24,6	5,6
15	28,5	27,0	28,4	6,6	24,6	6,6
16	28,5	27,0	28,4	6,6	28,0	7,5
18	32,0	33,0	30,0	7,5	30,0	8,0
19	36,5	35,0	30,0	7,5	35,0	7,5
20	37,0	35,0	30,0	7,5	35,0	7,5
22	37,0	37,0	30,0	7,5	35,0	7,5
24	42,5	39,0	32,5	7,5	38,0	7,5
25	42,5	40,0	32,5	7,5	38,0	7,5
28	49,0	43,0	35,0	7,5	42,0	9,0
30	49,0	45,0	35,0	7,5	45,0	10,5
32	53,5	48,0	35,0	7,5	48,0	10,5
33	53,5	48,0	35,0	7,5	50,0	11,0
35	57,0	50,0	35,0	7,5	52,0	11,0
38	59,0	56,0	36,0	9,0	55,0	10,3
40	62,0	58,0	36,0	9,0	58,0	10,8
42	65,5	61,0	36,0	9,0	62,0	12,0
43	65,5	61,0	36,0	9,0	62,0	12,0
45	68,0	63,0	36,0	9,0	64,0	11,6
48	70,5	66,0	36,0	9,0	68,4	11,6
50	74,0	70,0	38,0	9,5	69,3	11,6
53	78,5	73,0	36,5	11,0	72,3	12,3
55	81,0	75,0	36,5	11,0	75,4	13,3
58	85,5	78,0	41,5	11,0	78,4	13,3
60	88,5	80,0	41,5	11,0	80,4	13,3
65	93,5	85,0	41,5	11,0	85,4	13,0
68	96,5	90,0	41,2	11,3	91,5	13,7
70	99,5	92,0	48,7	11,3	92,0	13,0
75	107,0	97,0	48,7	11,3	99,0	14,0
80	112,0	105,0	48,0	12,0	104,0	15,0
85	120,0	110,0	46,0	14,0	109,0	14,8
90	127,0	115,0	51,0	14,0	114,0	14,8
95	132,0	120,0	51,0	14,0	120,3	15,8
100	137,0	125,0	51,0	14,0	123,3	15,8



Type de partie fixe



Garniture mécanique simple M210

Pour pompes : Alfa Laval, Ebara (3M, DWO), Lowara, KSB (Etanorm, Etachrom), WILO (MVI, MHI, IPL/DPL), Grundfos (CDM), Saer (IP), and many others.

Equivalent : Burgmann MG12, AESSEAL B012, Flowserve Pac-Seal 192, ROTEN 3, Vulcan Type 192, ANGA A1, Sterling SMG12, Hermetica 212.



Type : M310

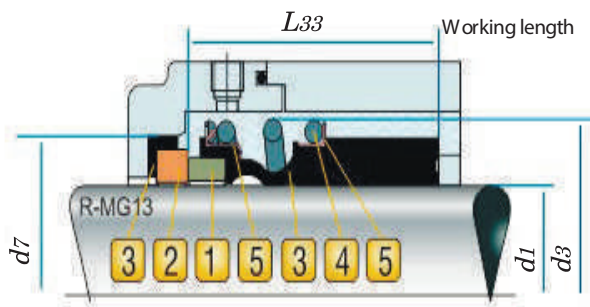
Temperature: -20°~140°

Pressure: ≤1.4 mPa

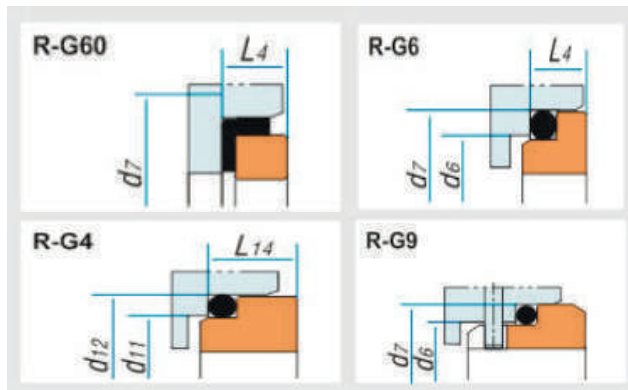
Speed: ≤15 m/sec

Materials

- 1 Rotary ring: Ceramic/ SIC / TC.
- 2 Stationary ring: Carbon / SIC / TC.
- 3 Bellows: NBR / EPDM / VITON.
- 4 Spring: SS304 / SS316.
- 5 Metal parts: SS304 / SS316.



Type de partie fixe



Garniture mécanique simple M310

Pour pompes : Alfa Laval, Ebara (3M, DWO), Lowara, KSB (Etanorm, Etachrom), WILO (MVI, MHI, IPL/DPL), Grundfos (CDM), Saer (IP), and many others.

Equivalent : Burgmann MG13, AESSEAL B02, Flowserve Pac-Seal 193, ROTEN L3, Vulcan Type 193, ANGA A1, Sterling SMG13, Hermetica 212.

d1 H6	d3 (Max)	d7	L33 (±0.5)	L4	d12 (H8)	114
10	22,5	21	33,4	6,6	19,2	6,6
12	25,0	23	33,4	6,6	21,6	5,6
14	28,5	25	33,4	6,6	24,6	5,6
15	28,5	27	33,4	6,6	24,6	6,6
16	28,5	27	33,4	6,6	28 0	7,5
18	32,0	33	37,5	7,5	30,0	8
19	3 65	3 5	37,5	7,5	35,0	7,5
20	37,0	3 5	37,5	7,5	35,0	7,5
22	37,0	37	37,5	7,5	35,0	7,5
24	42,5	39	42,5	7,5	38 0	7,5
25	42,5	40	42,5	7,5	38 0	7,5
28	49,0	43	42,5	7,5	42,0	9
30	49,0	4 5	42,5	7,5	45,0	10,5
32	53,5	48	47,5	7,5	48 0	10,5
33	53,5	48	47,5	7,5	50,0	11
35	57,0	50	47,5	7,5	52,0	11
38	59,0	56	46,0	9	55,0	10,3
40	62,0	58	46,0	9	58 0	10,8
42	65,5	61	51,0	9	62,0	12
43	65,5	61	51,0	9	62,0	12
45	68 0	63	51,0	9	64,0	11,6
48	70,5	66	51,0	9	68,4	11,6
50	74,0	70	50,5	9,5	69,3	11,6
53	78,5	73	59,0	11	72,3	12,3
55	81,0	75	59,0	11	75,4	13,3
58	85,5	78	59,0	11	78,4	13,3
60	88,5	80	59,0	11	80,4	13,3
65	9 35	85	69,0	11	85,4	13
68	96,5	90	68,7	11,3	91,5	13,7
70	99,5	92	68,7	11,3	92,0	13
75	107,0	97	68,7	11,3	99,0	14
80	112,0	105	78 0	12	104,0	15
85	120,0	110	76,0	14	109,0	14,8
90	127,0	115	76,0	14	114,0	14,8
95	132,0	120	76,0	14	120,3	15,8
100	137,0	125	76,0	14	123,3	15,8



TYPE : MX7

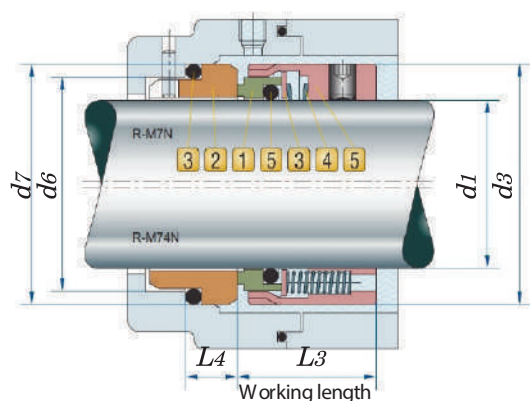
Temperature: $-20^{\circ}\sim 200^{\circ}$

Pressure: ≤ 1.6 mPa

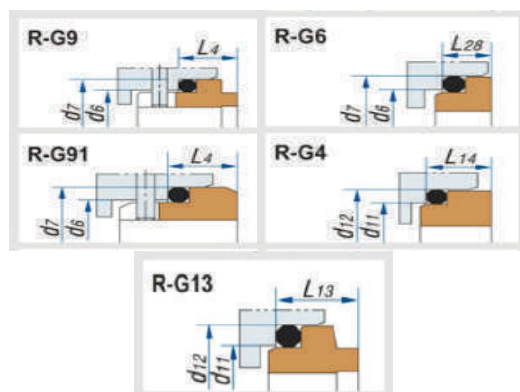
Speed: ≤ 20 m/sec

Materials

- 1 Rotary ring: Carbon / SIC / SUS.
- 2 Stationary ring: Carbon/SIC/SUS.
- 3 Bellows: EPDM / VITON.
- 4 Spring: SS304 / SS316.
- 5 Metal parts: SS304 / SS316.



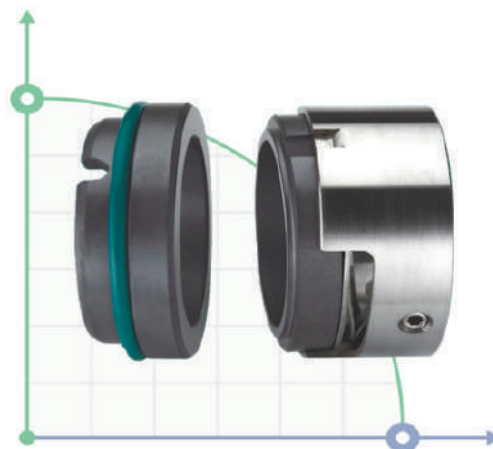
Type de partie fixe



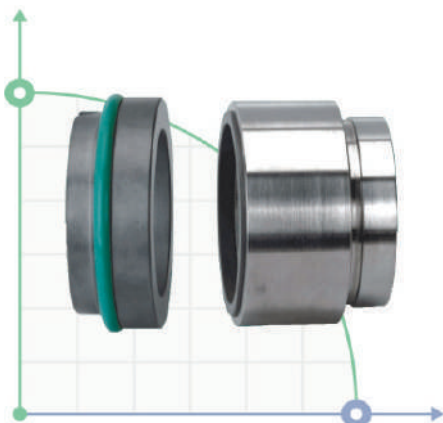
Garniture mécanique simple MX-7

Pour pompes : Lowara, Ebara (3M), EMU, Flugt, Fristam, GEA Tuchenhausen, Goetze, etc.

Equivalent : Burgmann M7N, M74, Aesseal W07DM, W07DMB, Vulcan 1677.



d1 (H6)	d3 (Max)	d7 (h8)	L3 (±0.5)	L4	L28	d12 (h8)	L13	L14
16	27	27	25.0	10.0	6.6	28.0	9.0	7.5
18	33	33	26.0	11.5	7.5	30.0	10.0	8.0
20	35	35	26.0	11.5	7.5	35.0	9.5	7.5
22	37	37	26.0	11.5	7.5	35.0	9.5	7.5
24	39	39	28.5	11.5	7.5	38.0	9.5	7.5
25	40	40	28.5	11.5	7.5	38.0	9.5	7.5
28	43	43	31.0	11.5	7.5	42.0	11.0	9.0
30	45	45	31.0	11.5	7.5	45.0	11.0	10.5
32	47	48	31.0	11.5	7.5	48.0	11.0	10.5
33	48	48	31.0	11.5	7.5	50.0	11.5	10.5
35	50	50	31.0	11.5	9.0	52.0	11.5	11.0
38	55	56	31.0	14.0	9.0	55.0	11.5	10.3
40	57	58	31.0	14.0	9.0	58.0	11.5	10.8
43	60	61	31.0	14.0	9.0	62.0	14.3	12.0
45	62	63	31.0	14.0	9.0	64.0	14.3	11.6
48	65	66	31.0	14.0	9.0	68.4	14.3	11.6
50	67	70	32.5	15.0	9.5	69.3	14.3	11.6
53	70	73	32.5	15.0	11.0	72.3	14.3	12.3
55	72	75	32.5	15.0	11.0	75.4	15.3	13.3
60	81	80	37.5	15.0	11.0	80.4	15.3	13.3
63	84	83	37.5	15.0	11.0	83.4	15.3	13.3
65	86	85	37.5	15.0	11.0	85.4	15.3	13.0
68	89	90	34.5	18.0	11.3	91.5	16.0	13.7
70	91	92	42.0	18.0	11.3	92.0	15.3	13.0
75	99	97	42.0	18.0	11.3	99.0	15.3	14.8
80	104	105	41.8	18.2	12.0	104.0	16.3	14.8
85	109	110	41.8	18.2	14.0	109.0	16.3	14.8
90	114	115	46.8	18.2	14.0	114.0	16.3	14.8
95	119	120	47.8	17.2	14.0	120.3	17.3	15.8
100	124	125	47.8	17.2	14.0	123.3	17.3	15.8
105	138	134.3	47.0	20.0	-	-	-	-
110	143	140.3	47.0	20.0	-	-	-	-
115	148	148.3	47.0	20.0	-	-	-	-
120	153	150.3	47.0	20.0	-	-	-	-
125	158	154.3	47.0	20.0	-	-	-	-



Type : **MX-S**

Temperature: $-20^{\circ}\sim 200^{\circ}$

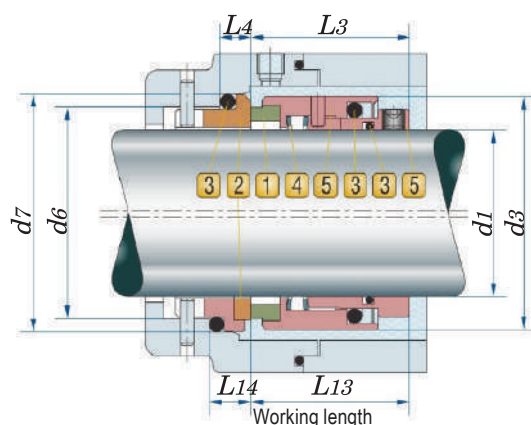
Pressure: ≤ 2.5 mPa

Speed: ≤ 25 m/sec

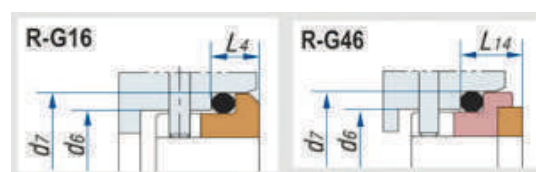
Materials

- 1 Rotary ring: Carbon / SIC
- 2 Stationary ring: SIC / TC.
- 3 Bellows: NBR / EPDM / VITON.
- 4 Spring: SS304 / SS316.
- 5 Metal parts: SS304 / SS316.

d1 (H6)	d3 (Max)	d6 (h8)	d7	L3 (± 0.5)	L4	L13	L14
18	32	27	33	30.5	7.0	28.5	9.0
20	34	29	35	30.5	7.0	28.5	9.0
22	36	31	37	30.5	7.0	28.5	9.0
24	38	33	39	33.0	7.0	31.0	9.0
25	39	34	40	33.0	7.0	31.0	9.0
28	42	37	43	35.5	7.0	33.0	9.5
30	44	39	45	35.5	7.0	33.0	9.5
32	47	42	48	35.5	7.0	33.0	9.5
33	47	42	48	35.5	7.0	33.0	9.5
35	49	44	50	35.5	7.0	33.0	9.5
38	54	49	56	37.0	8.0	34.5	10.5
40	56	51	58	37.0	8.0	34.5	10.5
43	59	54	61	37.0	8.0	34.5	10.5
45	61	56	63	37.0	8.0	34.5	10.5
48	64	59	66	37.0	8.0	34.5	10.5
50	66	62	70	38.0	9.5	35.5	12.0
53	69	65	73	38.0	9.5	35.5	12.0
55	71	67	75	38.0	9.5	35.5	12.0
58	78	70	78	42.0	10.5	39.5	13.0
60	80	72	80	42.0	10.5	39.5	13.0
63	83	75	83	42.0	10.5	39.5	13.0
65	85	77	85	42.0	10.5	39.5	13.0
68	88	81	90	41.5	11.0	39.0	13.5
70	90	83	92	48.5	11.5	46.0	14.0
75	99	88	97	48.5	11.5	46.0	14.0
80	104	95	105	48.5	11.5	46.0	14.0
85	109	100	110	48.5	11.5	46.0	14.0
90	114	105	115	52.0	13.0	49.5	15.5
95	119	110	120	52.0	13.0	49.5	15.5
100	124	115	125	52.0	13.0	49.5	15.5



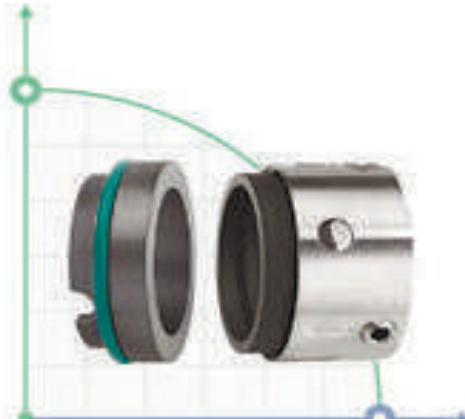
Type de partie fixe



HJ92N

Pour pompes : Alfa Laval, Ebara (3M, DWO), Lowara, KSB (Etanorm, Etachrom), WILO (MVI, MHI, IPL/DPL), Grundfos (CDM), Saer (IP), and (IP), Calpeda (GM, MXS), Hecker HN 410SU pumps.

Equivalents : SHJ97 Burgmann HJ92N seal, Roten seal EHS3, AESSEAL MO10.



Type : U59

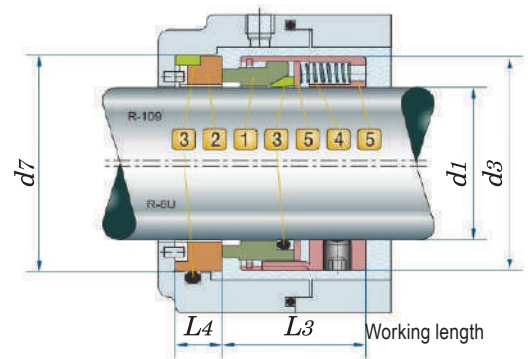
Temperature: $-40^{\circ}\sim 200^{\circ}$
Pressure: ≤ 2.4 mPa
Speed: ≤ 25 m/sec

Materials

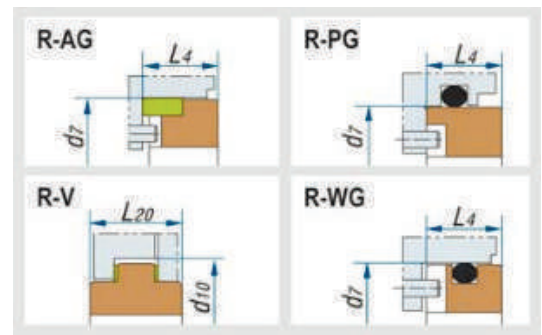
- 1 Rotary ring: Carbon / SIC.
- 2 Stationary ring: SIC / TC.
- 3 Bellows: EPDM / VITON / PTFE.
- 4 Spring: SS304 / SS316.
- 5 Metal parts: SS304 / SS316.

U59 (Inch)

	d1 (H6)	d3 (Max)	d7 (h8)	L3 (± 0.5)	L4	D10 (h8)	L20
0.750	19.05	34.0	34.93	22.2	10.3	48.0	17.6
0.875	22.23	37.2	38.10	23.8	10.3	51.0	17.6
1.000	25.40	40.3	41.28	25.4	11.1	54.0	17.6
1.125	28.58	43.5	44.45	27.0	11.1	62.0	27.0
1.250	31.75	48.3	47.63	27.0	11.1	68.0	27.0
1.375	34.93	51.5	50.80	28.6	11.1	71.0	27.0
1.500	38.10	54.6	53.98	28.6	11.1	78.0	27.0
1.625	41.28	61.0	60.33	35.0	12.7	81.0	27.0
1.750	44.45	64.2	63.50	35.0	12.7	84.0	27.0
1.875	47.63	67.3	66.68	35.0	12.7	87.0	27.0
2.000	50.80	70.5	69.85	35.0	12.7	97.0	33.3
2.125	53.98	76.9	76.20	43.0	14.3	100.0	33.3
2.250	57.15	80.0	79.38	43.0	14.3	103.0	33.3
2.375	60.33	83.2	82.55	43.0	14.3	106.0	33.3
2.500	63.50	86.4	85.73	43.0	14.3	110.0	33.3
2.625	66.68	89.6	85.73	43.0	15.9	113.0	33.3
2.750	69.85	92.7	88.90	43.0	15.9	116.0	33.3
2.875	73.03	98.9	95.25	43.0	15.9	117.0	33.3
3.000	76.02	97.5	98.43	43.0	15.9	121.0	33.3
3.125	79.38	100.7	101.60	43.0	19.8	-	33.3
3.250	82.55	105.4	104.78	43.0	19.8	132.0	33.3
3.375	85.73	108.6	107.95	43.0	19.8	-	33.3
3.500	88.90	111.8	111.13	43.0	19.8	138.0	33.3
3.625	92.08	115.0	114.30	43.0	19.8	-	33.3
3.750	95.25	118.1	117.48	43.0	19.8	144.0	33.3
3.875	98.43	121.3	120.65	43.0	19.8	-	33.3
4.000	101.60	124.5	123.83	43.0	19.8	151.0	33.3



Type de partie fixe



Garniture mécanique simple U59

Les garnitures mécaniques de cette série ont une structure compacte et une excellente résistance aux fluides agressifs.

Equivalent : John Crane 109, 8-1, Asseal.



Type : **MR7S**

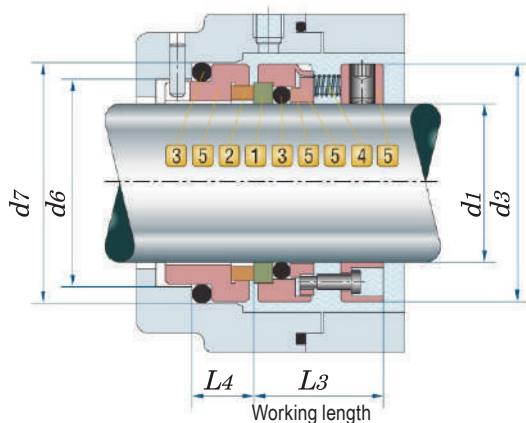
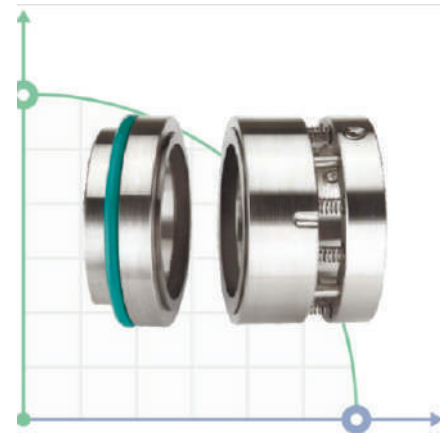
Temperature: $-30^{\circ}\sim 180^{\circ}$

Pressure: ≤ 1.2 mPa

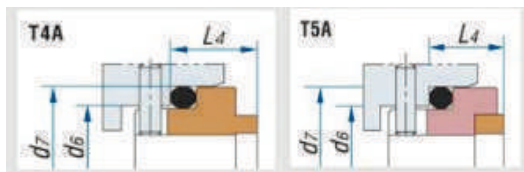
Speed: ≤ 10 m/sec

Materials

- 1 Rotary ring: SIC / TC.
- 2 Stationary ring: Carbon / SIC / TC.
- 3 Bellows: EPDM / VITON.
- 4 Spring: SS304 / SS316.
- 5 Metal parts: SS304 / SS316.



Type de partie fixe



Garniture mécanique simple MR7S

Pour pompes : Sarlin, Tuchenhausen, Hilge, HM, HMS series, etc...

Utilisée à des températures entre :
-40 to + 120 degrés C, avec une
pression jusqu'à 12 bar et une vitesse
speed of up to 10 m/sec.

Equivalent : John Crane T109,
T9, T909 seal Roten 90 seal, Sealol T
seal, Sterling 290 seal.

MR7S

d1 (H6)	d3 (Max)	d6	d7 (h8)	L3 (± 0.5)	L4
25	40	34	40	26.0	10.5
28	43	37	43	26.0	11.5
30	45	39	45	26.0	11.5
35	50	44	50	30.0	11.5
40	56	51	58	35.0	13.0
45	62	56	63	37.0	13.0
50	69	62	70	38.0	14.0
55	74	67	75	38.0	14.0
60	79	72	80	38.0	14.0
65	84	77	85	39.0	14.0
70	91	83	92	39.0	17.0
75	96	88	97	42.0	17.0
80	104	95	105	42.0	17.0
85	109	100	110	42.0	17.0



Type : **BS.520**

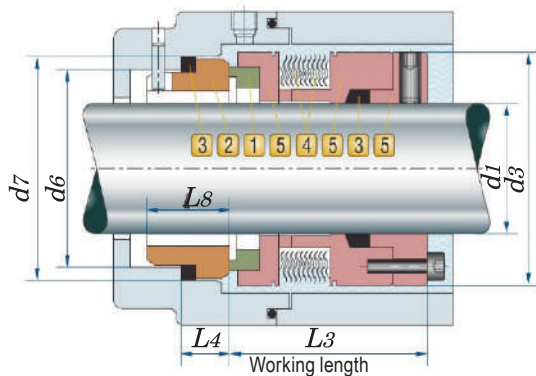
Temperature: -20°~400°

Pressure: ≤2.5 mPa

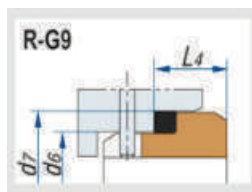
Speed: ≤15 m/sec

Materials

- 1 Rotary ring: Carbon/ SIC / TC.
- 2 Stationary ring: SIC / SUS / TC.
- 3 Bellows: M6 / T6.
- 4 Spring: SS304 / SS316.
- 5 Metal parts: SS304 / SS316.



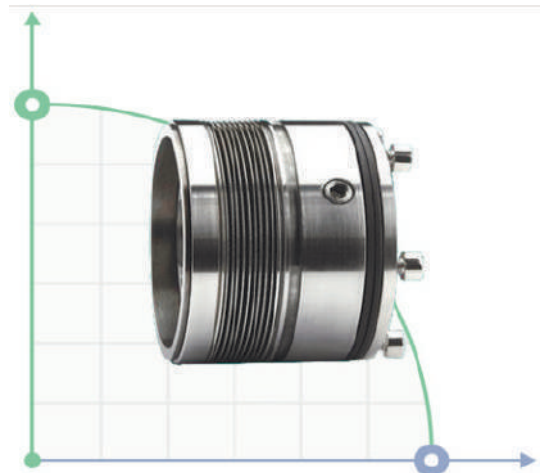
Type de partie fixe



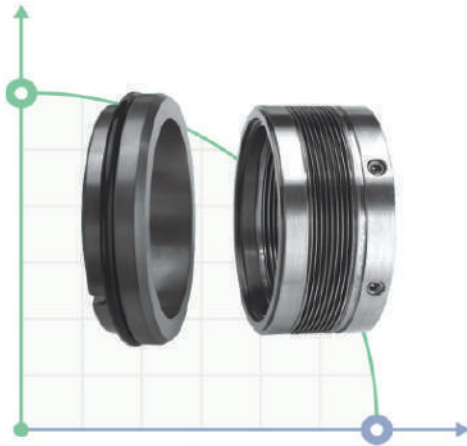
Pour pompes : Lowara, Ebara (3M), EMU, Flugt, Fristam, GEA Tuchenhausen, Goetze, etc.

Equivalent :

Burgmann MBS100, MFLWT 80, MFLCT.



d1 (H6)	d3 (Max)	d6 (h8)	d7 (±0.5)	L3	L4 (h8)	L8
18	40	31	37	46.5	11.5	19.5
20	42	34	40	46.5	11.5	19.5
22	44	37	43	46.5	11.5	19.5
24	46	37	43	46.5	11.5	19.5
25	47	39	45	46.5	11.5	19.5
28	50	42	48	46.5	11.5	19.5
30	52	44	50	46.5	11.5	19.5
32	54	49	56	46.5	14,0	22.0
33	55	49	56	46.5	14.0	22.0
35	57	51	58	46.5	14.0	22.0
38	60	54	61	46.5	14.0	22.0
40	66	56	63	47.5	14.0	22.0
43	69	59	66	47.5	14.0	22.0
45	71	62	70	47.5	15.0	23.0
48	74	65	73	47.5	15.0	23.0
50	76	67	75	47.5	15.0	23.0
53	79	70	78	47.5	15.0	23.0
55	81	72	80	47.5	15.0	23.0
58	85	75	83	53.0	15.0	23.0
60	87	77	85	53.0	15.0	23.0
63	90	81	90	53.0	18.0	26.0
65	92	83	92	53.0	18.0	26.0
68	95	88	97	53.0	18.0	26.0
70	97	88	97	53.0	18.0	26.0
75	102	95	105	52.8	18,2	26.2
80	107	100	110	52.8	18.2	26.2
85	112	105	115	52.8	18,2	26.2
90	117	110	120	53.8	17.2	25.2
95	122	115	125	53.8	17,2	25.2
100	127	122	134.3	54.0	20.0	30.0



Type : **BS.500**

Temperature: $-20^{\circ}\sim 260^{\circ}$

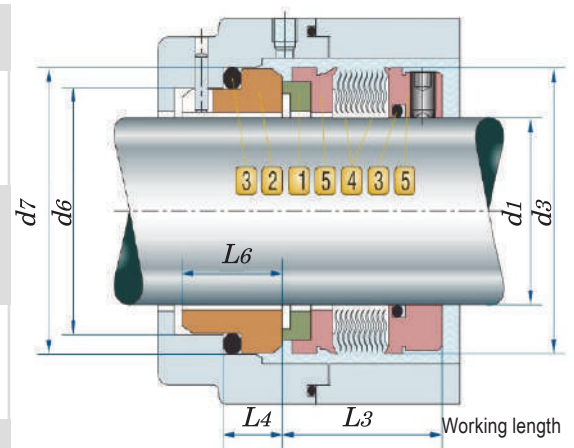
Pressure: ≤ 2.5 mPa

Speed: ≤ 15 m/sec

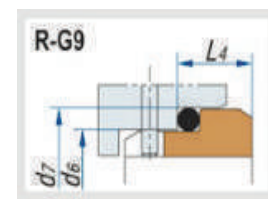
Materials

- 1 Rotary ring: Carbon / SIC / TC
- 2 Stationary ring: SIC / SUS / TC.
- 3 Bellows: M4 / T6 / M3.
- 4 Spring: SS304 / SS316.
- 5 Metal parts: SS304 / SS316.

d1 (H6)	d3 (Max)	d6 (h8)	d7	L3 (± 0.5)	L4	L6 (h8)
18	32.0	27	33	30.5	7.0	14.0
20	33.5	29	35	30.5	7.0	14.0
22	36.5	31	37	30.5	7.0	14.0
24	39.0	33	39	28.5	11.5	19.5
25	39.6	34	40	28.5	11.5	19.5
28	42.8	37	43	31.0	11.5	19.5
30	45.0	39	45	31.0	11.5	19.5
32	46.0	42	48	31.0	11.5	19.5
33	48.0	42	48	31.0	11.5	19.5
35	49.2	44	50	31.0	11.5	19.5
38	52.3	49	56	31.0	14.0	22.0
40	55.5	51	58	31.0	14.0	22.0
43	57.5	54	61	31.0	14.0	22.0
45	58.7	56	63	31.0	14.0	22.0
48	61.9	59	66	31.0	14.0	22.0
50	65.0	62	70	32.5	15.0	23.0
53	68.2	65	73	32.5	15.0	23.0
55	70.0	67	75	32.5	15.0	23.0
58	71.7	70	78	37.5	15.0	23.0
60	74.6	72	80	37.5	15.0	23.0
63	79.0	75	83	37.5	15.0	23.0
65	84.1	77	85	37.5	15.0	23.0
68	87.3	81	90	34.5	18.0	26.0
70	87.3	83	92	42.0	18.0	26.0
75	95.0	88	97	42.0	18.0	26.0
80	98.4	95	105	41.8	18.2	26.2
85	104.7	100	110	41.8	18.2	26.2
90	111.0	105	115	46.8	18.2	26.2
95	114.0	110	120	47.8	17.2	25.2
100	117.4	115	125	47.8	17.2	25.2



Type de partie fixe



Garniture mécanique simple BS.500

Pour pompes : Lowara, Ebara (3M), EMU, Flugt, Fristam, GEA Tuchenhausen, Goetze, etc.

Equivalent : Burgmann MFL85N, MFLWT, MFLCT



Type : **MTX35**

Temperature: $-20^{\circ}\sim 120^{\circ}$

Pressure: ≤ 0.5 mPa

Speed: ≤ 3000 rpm

Materials

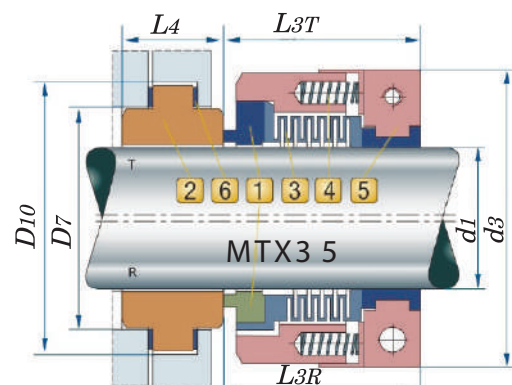
- 1 Rotary ring: Ceramic / SIC / PTFE.
- 2 Stationary ring: Carbon / SIC / AL.
- 3 Bellows: PTFE.
- 4 Spring: SS304 / SS316.
- 5 Metal parts: SS304 / SS316.

Garniture mécanique simple MTX35

Pour pompes : Lowara, Ebara (3M), EMU, Flugt, Fristam, GEA Tuchenhausen, Goetze, etc.

Equivalent : John Crane 10T / 10R. Anga A10 / 11, R-162 (T/R), R-WB2 (T/R)

d1 (H6)	d3 (Max)	D10 (h8)	d7	L3T (± 0.5)	L3R (h8)	L4
25	60	60	47	42	45	27
30	67	67	53	42	45	27
35	72	70	57	42	45	27
40	78	76	62	42	45	27
45	84	82	67	44	46	27
50	88	86	72	46	46	27
55	95	90	77	46	46	27
60	100	95	82	46	46	27
65	105	100	87	46	46	27



Type : **MT.35**

Temperature: $-20^{\circ}\sim 120^{\circ}$

Pressure: ≤ 0.8 mPa

Speed: ≤ 13 m/sec

Materials

- 1 Rotary ring: Carbon / SIC.
- 2 Stationary ring: SIC / TC / Ceramic/ SUS.
- 3 Bellows: PTFE.
- 4 Spring: SS304 / SS316.
- 5 Metal parts: SS304 / SS316.

Pour pompes : Flugt, Fristam, GEA Tuchenhausen, Goetz, etc.

Analogue : 10T / 10R. Anga

Les garnitures mécaniques en PTFE sont conçues pour être utilisées dans des environnements extrêmement agressifs : acides forts, composés organiques, solutions salines, et composés chimiquement actifs.





Type : **MX7S2**

Temperature: $-20^{\circ}\sim 200^{\circ}$

Pressure: ≤ 1.6 mPa

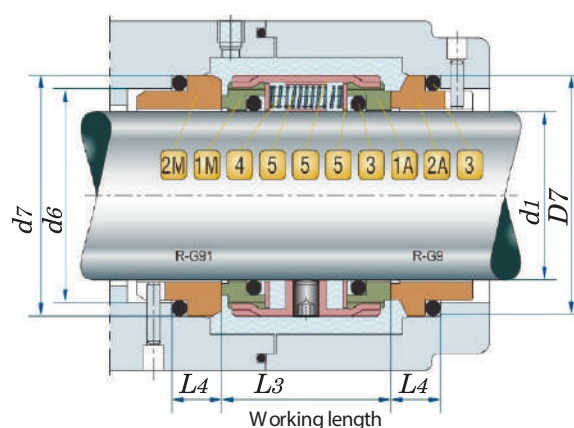
Speed: ≤ 20 m/sec

Materials

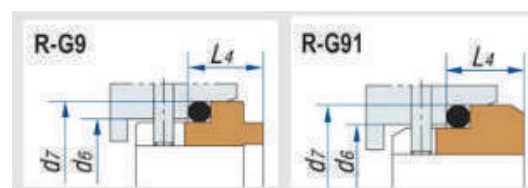
- 1 Rotary ring: Car / SIC / TC.
- 2 Stationary ring: Car / SIC / TC..
- 3 Bellows: EPDM / VITON / NBR.
- 4 Spring: SS304 / SS316.
- 5 Metal parts: SS304 / SS316.

MX7S2

d1 (H6)	d3 (Max)	d6	d7 (h8)	L3 (± 0.5)	L4
18	33	27	33	38.0	11.5
20	35	29	35	38.0	11.5
22	37	31	37	38.0	11.5
24	39	33	39	38.0	11.5
25	40	34	40	38.0	11.5
28	43	37	43	39.0	11.5
30	45	39	45	39.0	11.5
32	47	42	48	39.0	11.5
33	48	42	48	39.0	11.5
35	50	44	50	39.0	11.5
38	55	49	56	41.0	14.0
40	57	51	58	42.0	14.0
43	60	54	61	42.0	14.0
45	62	56	63	42.0	14.0
48	65	59	66	42.0	14.0
50	67	62	70	43.0	15.0
53	70	65	73	43.0	15.0
55	72	67	75	43.0	15.0
58	79	70	78	56.0	15.0
60	81	72	80	56.0	15.0
63	84	75	83	55.0	15.0
65	86	77	85	55.0	15.0
68	89	81	90	55.0	18.0
70	91	83	92	56.0	18.0
75	99	88	97	56.0	18.0
80	104	95	105	56.0	18.2
85	109	100	110	56.0	18.2



Type de partie fixe



Garniture mécanique double

Pour pompes submersibles pour les eaux usées, les eaux chargées, ou les liquides faiblement agressifs.

Equivalent : Burgmann M74D, Anga VD



Type : **GR02**

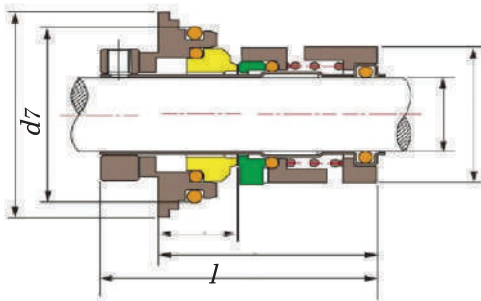
Temperature: $-20^{\circ}\sim 150^{\circ}$

Pressure: ≤ 2.0 mPa

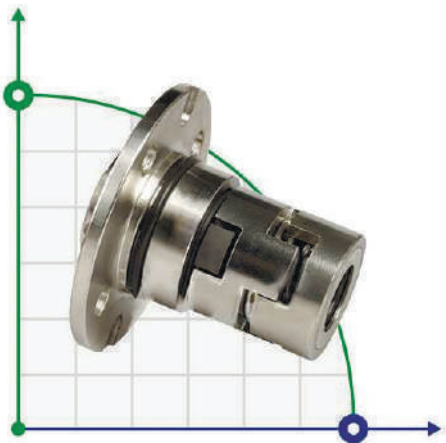
Speed: ≤ 15 m/sec

Materials

- 1 Rotary ring: Carbon / SIC / TC.
- 2 Stationary ring: Carbon / SIC / TC.
- 3 Bellows: NBR / EPDM / VITON.
- 4 Spring: SS304 / SS316.
- 5 Metal parts: SS304 / SS316.



d1	d3 (H6)	d7 (Max)	d8 (h8)	M (± 0.5)	L	L1 (h8)	L2	d8
12	25,00	29,00	\	M28X1.5	55,00	19,00	49,00	35,80
16	30,50	34,00	\	M35X1.5	57,50	20,00	50,50	40,80
22	39,50	50,00	59,00	\	71,00	20,00	57,00	\



Type **GR22R**

Temperature: $-20^{\circ}\sim 150^{\circ}$

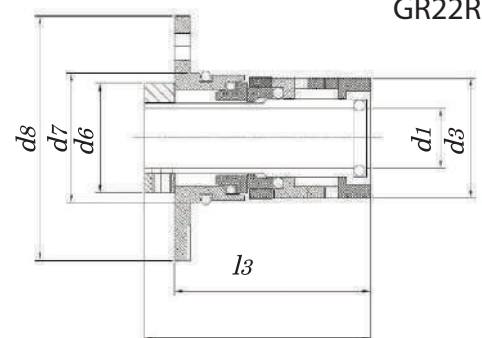
Pressure: ≤ 2.0 mPa

Speed: ≤ 15 m/sec

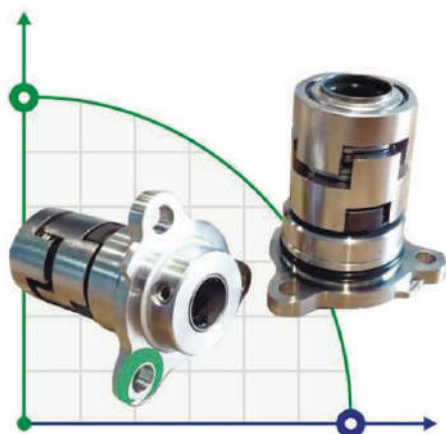
Materials

- 1 Rotary ring: Carbon / SIC / TC.
- 2 Stationary ring: Carbon / SIC / TC.
- 3 Bellows: NBR / EPDM / VITON.
- 4 Spring: SS304 / SS316.
- 5 Metal parts: SS304 / SS316.

d1	d3	d6	d7	d8	L3	L
12	25	25	31	58	31	57
16	32	29	34,5	65	52	57,5
22	39,5	39	49,7	90	38	70



GR22R



Type : **GR33**

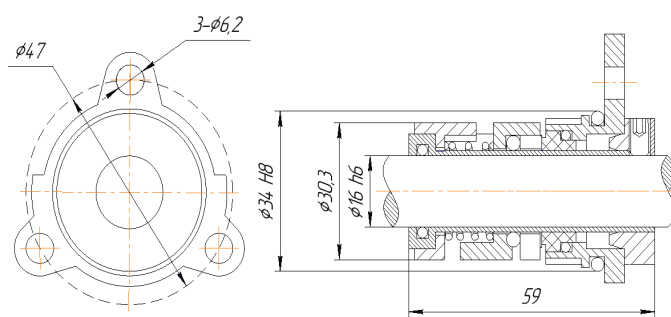
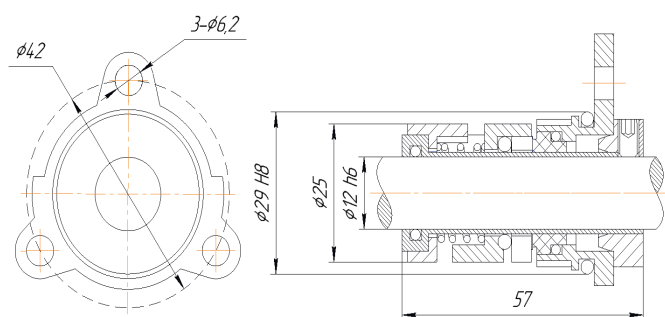
Temperature: $-20^{\circ}\sim 150^{\circ}$

Pressure: ≤ 1.5 mPa

Speed: ≤ 15 m/sec

Materials

- 1 Rotary ring: Carbon / SIC / TC.
- 2 Stationary ring: Carbon / SIC / TC.
- 3 Bellows: NBR / EPDM / VITON.
- 4 Spring: SS304 / SS316.
- 5 Metal parts: SS304 / SS316.

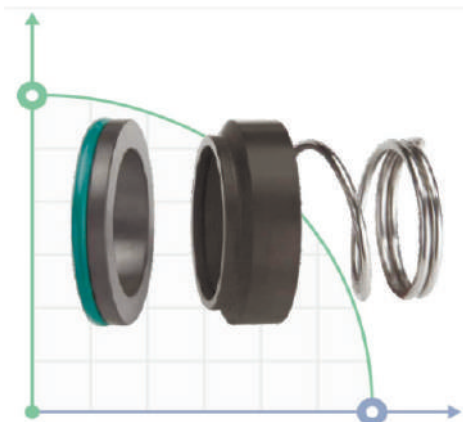


Garniture mécanique pour pompes Grundfos



La garniture mécanique GR33 est utilisée dans les pompes verticales multi cellulaires Grundfos

Pour pompes : CR1 / CR3 / CR5 CR10 / CR15 / CR20 / CR32 /
/ CR90 / CRN1 / CRN3 / CRN5 / CRN10 / CRN15
CRN20 / CRN32 / CRN45 / CRN64 / CRN90



Type : M22C

Temperature: $-20^{\circ}\sim 180^{\circ}$

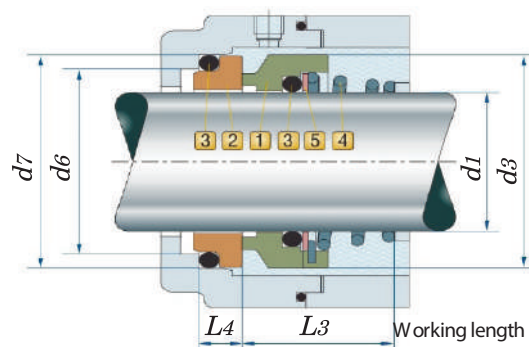
Pressure: ≤ 1.0 mPa

Speed: ≤ 15 m/sec

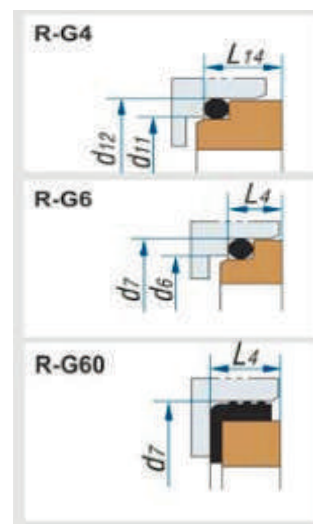
Materials

- 1 Rotary ring: Ceramic / SIC / TC.
- 2 Stationary ring: Carbon / SIC / TC/SUS.
- 3 Bellows: NBR / EPDM / VITON.
- 4 Spring: SS304 / SS316.
- 5 Metal parts: SS304 / SS316.

d1 (h6)	d3 (Max)	d7 (H8)	L3 (± 0.5)	L4	d11	d12 (H8)	d14
10	20,00	21,00	17,50	6,60	15,50	19,20	6,60
12	22,00	23,00	17,50	6,60	17,50	21,60	7,00
14	25,00	25,00	17,50	6,60	20,50	24,60	7,00
15	27,00	27,00	19,50	6,60	20,50	24,60	6,60
16	27,00	27,00	19,50	6,60	22,00	28,00	7,50
18	30,00	33,00	20,50	7,50	24,00	30,00	8,00
20	32,00	35,00	22,00	7,50	29,50	35,00	7,50
22	35,00	37,00	23,50	7,50	29,50	35,00	7,50
24	38,00	39,00	25,00	7,50	32,00	38,00	7,50
25	40,00	40,00	26,50	7,50	32,00	38,00	7,50
28	43,00	43,00	26,50	7,50	36,00	42,00	9,00
30	47,00	45,00	26,50	7,50	39,20	45,00	10,50
32	48,00	48,00	28,50	7,50	42,20	48,00	10,50
35	53,00	50,00	28,50	7,50	46,20	52,00	11,00
38	56,00	56,00	33,50	9,00	49,20	55,00	10,30



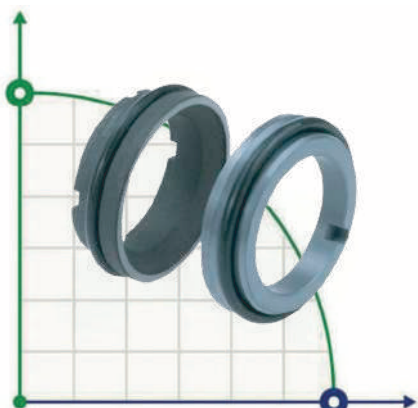
Type de partie fixe



Garniture mécanique simple, avec ressort conique M22C

Application : compresseurs, mixeurs, mélangeurs,...

Equivalent : AESSEAL T07 / T07D / T07X, Burgmann M2N, Roten UNITEN 22, Hecker HN 400A.



Type : **AP-X**

Temperature: $-20^{\circ}\sim 150^{\circ}$

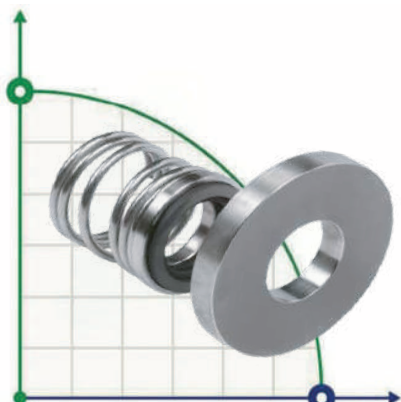
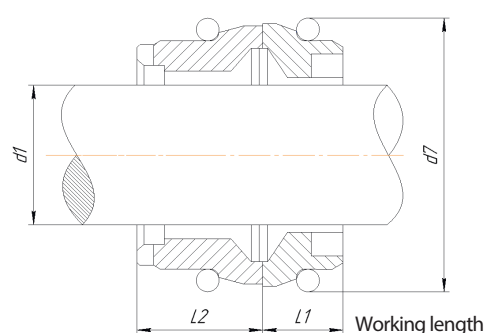
Pressure: ≤ 0.8 mPa

Speed: ≤ 15 m/sec

Materials

- 1 Rotary ring: SiC.
- 2 Stationary ring: Carbon/SiC.
- 3 Bellows: EPDM.

AP-X	d1 (H6)	d7 (h8)	L1	L2
	25	46	11.5	17,5
	35	56	11.5	17,5
Pour pompes APV W+ pump series				



Type : **PX-01**

Temperature: $-20^{\circ}\sim 150^{\circ}$

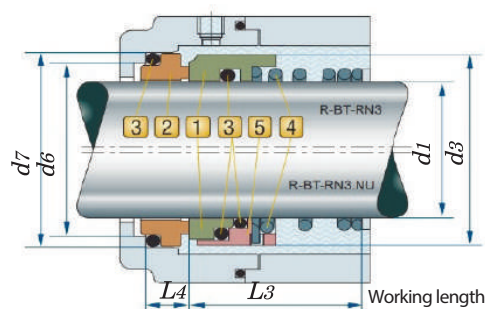
Pressure: ≤ 0.8 mPa

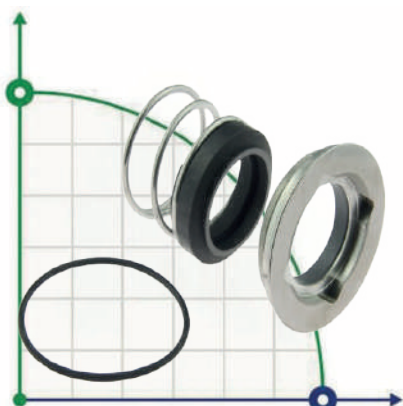
Speed: ≤ 15 m/sec

Materials

- 1 Rotary ring: Carbon.
- 2 Stationary ring: AISI316L/SiC.
- 3 Bellows: EPDM.

PX-01	d1 (H6)	d3 (h8)	L3	L2
	1"	46	28	
Pour pompes APV PUMA + pump series				





Type : **AL032**

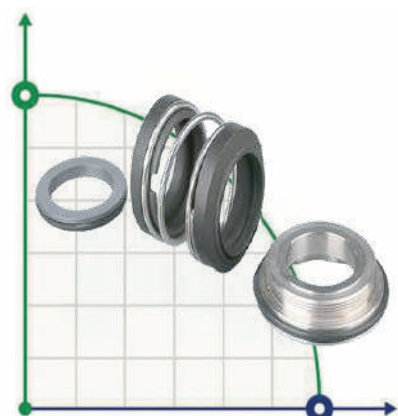
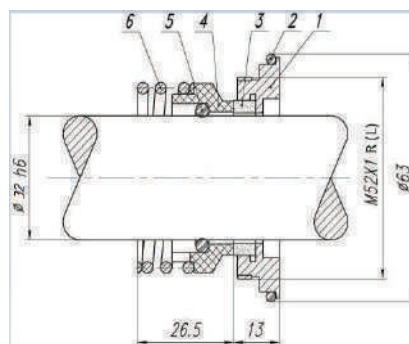
Temperature: -20
Pressure: ≤ 0.6 mPa
Speed: ≤ 15 m/sec

- 1 Rotary ring: Carbon
- 2 Stationary ring: SIC / TC.
- 3 Bellows: EPDM .
- 4 Spring: SS304 / SS316.
- 5 Metal parts: SS304 / SS316.

Garniture mécanique simple

Application : ALFA LAVAL LKH Series pump

Equivalent : AESSEAL T07 / T07D / T07X, Burgmann M2N, Roten UNITEN 22, Hecker HN 400A.



Type : **ALD**

Temperature: -20^o~150
Pressure: ≤ 0.8 mPa
Speed: ≤ 15 m/sec

Materials

- 1 Rotary ring: Carbon.
- 2 Stationary ring: AISI316L/SiC.
- 3 Bellows: EPDM.

Garniture mécanique double

Application : ALFA LAVAL LKH Series pump

Equivalent : AESSEAL T07 / T07X, C22X



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TYPE : MGEA

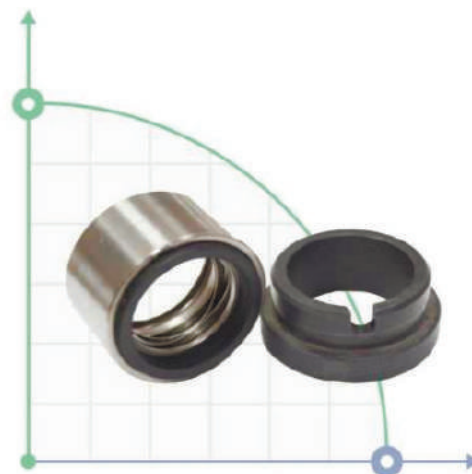
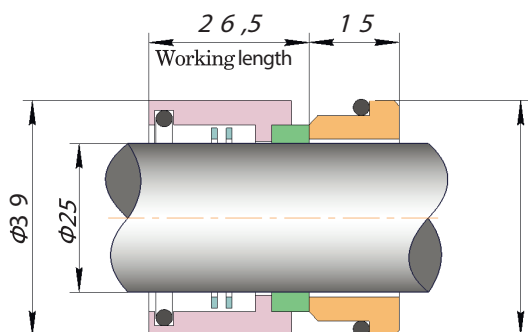
Temperature: -20~200

Pressure: $\leq 2.5\text{MPa}$

Speed: $\leq 25\text{ m/sec}$

Materials

- 1 Rotary ring: SiC/Carbon
- 2 Stationary ring: SiC/TC
- 3 Bellows: VITON/EPDM/NBR.
- 4 Spring: SUS304/SUS316
- 5 Metal parts: SUS304/SUS316



Garniture mécanique indépendante du sens de rotation MGEA.

Garniture idéale pour les milieux à haute viscosité.

Solide, fiable, adaptée aux fluides chargés de particules solides, ces garnitures conviennent parfaitement aux milieux à haute viscosité.

Les éléments d'extrémité de la série sont efficacement protégés contre tout contact avec le fluide.

Équivalent garnitures mécaniques Burgmann HJ92N et Anga US.



Type : CR35

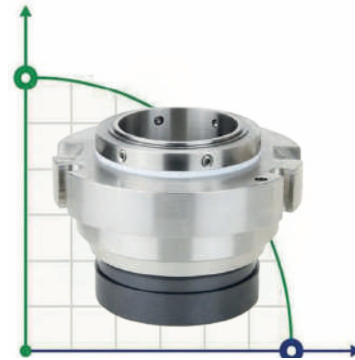
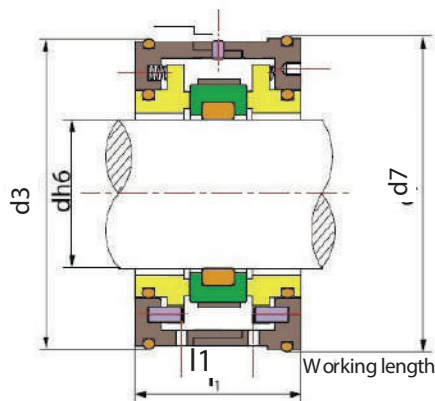
Temperature: $-20^{\circ}\sim 200^{\circ}$

Pressure: ≤ 1.5 mPa

Speed: ≤ 20 m/sec

Materials

- 1 Rotary ring: SIC / TC.
- 2 Stationary ring: SIC .
- 3 Bellows: NBR / VITON / EPDM.
- 4 Spring: SS304 / SS316.
- 5 Metal parts: SS304 / SS316.



CR35

dh6	d3	d7	L1
(H6)	(Max)	(h8)	(± 0.5)
35	67	70	46
60	92	99	46
80	140	130	80

Type : TSX

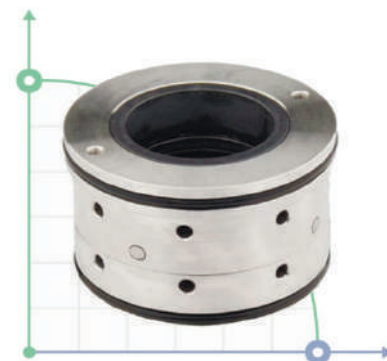
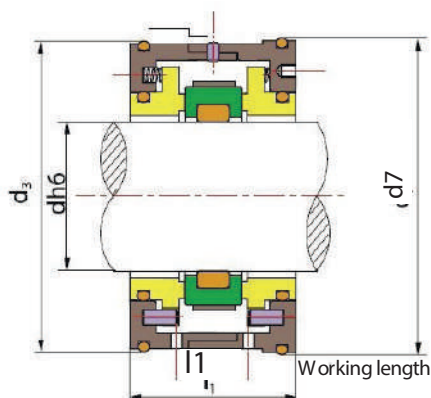
Temperature: $-20^{\circ}\sim 200^{\circ}$

Pressure: ≤ 1.5 mPa

Speed: ≤ 20 m/sec

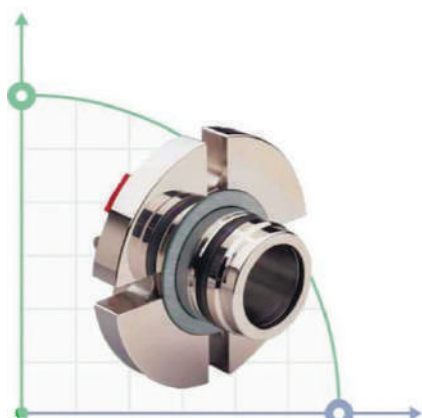
Materials

- 1 Rotary ring: SIC / TC.
- 2 Stationary ring: SIC .
- 3 Bellows: NBR / VITON / EPDM.
- 4 Spring: SS304 / SS316.
- 5 Metal parts: SS304 / SS316.



TSX

dh6	d3	d7	L1
(H6)	(Max)	(h8)	(± 0.5)
30	62	65	46
35	67	70	46
40	72	75	46
50	90	92	52
60	92	99	46
75	128	130	75



Type : TSDC

Temperature: $-20^{\circ}\sim 200^{\circ}$

Pressure: ≤ 2.1 mPa

Speed: ≤ 25 m/sec

Materials

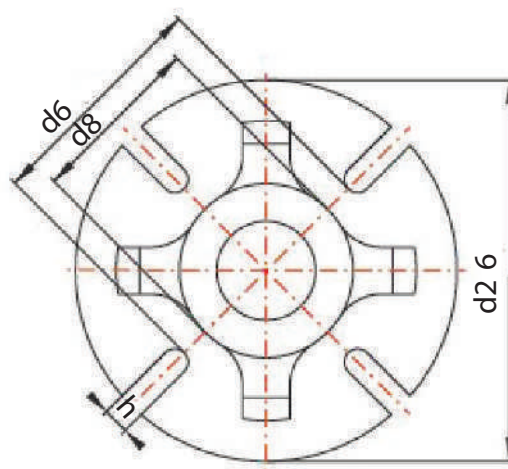
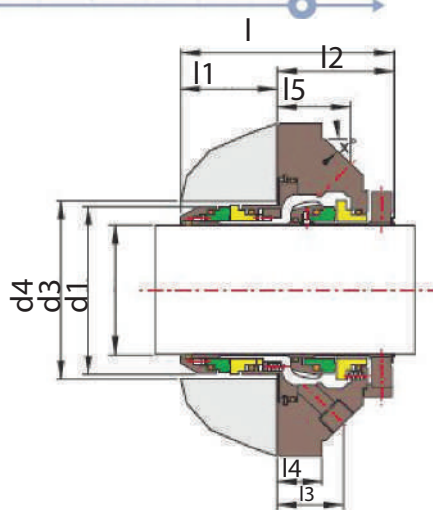
1 Rotary ring: SIC / TC/CAR.

2 Stationary ring: SIC / TC.

3 Bellows: PTFE/EPDM/VITON.

4 Spring: SS304 / SS316.

5 Metal parts: SS304 / SS316.



d1	d2	d4		d6	d8	d26	1	l1	l2	l3	l4	l5	h	x
		min	max											
24	40.8	43.0	48.0	57.7	50.4	105.0	92.0	53.1	38.9	28,20	19,20	29.20	14.00	20°
25	41.8	44.0	51.0	62.0	51.0	105.0	92.0	53.1	38.9	27,80	19,20	29.20	14.00	20°
28	45.4	47.0	54.0	65.0	55.5	111.0	92.0	53.1	38.9	27,50	19,20	29,40	14.00	20°
30	46.8	49.0	54.0	64.6	56.4	105.0	92.0	53.1	38.9	27,40	19,20	29,70	14.00	20°
32	49.8	51.0	57.0	66.5	59.4	105.0	92.0	53.1	38.9	28,40	21,50	30,90	14.00	25°
33	49.8	51.0	57.0	66.5	59.4	105.0	92.0	53.1	38.9	28,40	21,50	30,90	14.00	25°
35	51.8	53.0	59.0	68.5	61.4	120.0	93.2	53.1	38.9	29,30	20,70	29,30	14.00	15°
40	57.6	59.0	70.5	80.7	70.8	135.0	93.2	53.1	40.1	30,10	21,30	30,10	14.00	20°
43	58.6	61.0	70.5	80.7	70.8	135.0	93.2	53.1	40.1	26,70	21,30	29,80	14.00	15°
45	62.0	64.0	75	84.6	73.8	139.0	93.2	53.1	40.1	30,50	21,90	30,50	14.00	20°
50	68.0	70.0	78.0	87.6	78.9	150.0	93.2	53.1	40.1	30,50	21,60	30,50	17,50	20°
53	71.6	73.0	87.0	97.0	85.0	150.0	93.2	53.1	40.1	25,70	21,30	29,50	17,50	15°
55	71.6	73.0	87.0	97.0	85.0	150.0	93.2	53.1	40.1	25,70	21,30	29,50	17,50	15°
60	77.9	80.0	92.0	102.4	88.0	164.5	93.2	53.1	40.1	30,50	21,60	30,50	17,50	20°
63	81.1	83.0	98.5	108.7	94.4	171.0	93.2	53.1	40.1	29,80	21,60	29,80	17,50	15°
65	84.3	86.0	98.5	108.7	94.4	171.0	93.2	53.1	40.1	29,40	21,30	29,40	17,50	15°
70	87.4	89.0	100.0	112.0	98.3	180.5	93.2	53.1	40.1	29,70	21,30	29,70	17,50	20°
75	98.0	101.6	117.5	131.4	116.5	189.3	115.9	63.5	52.4	25,00	25,80	36.30	17,50	20°
80	104.4	108.0	127.0	142.5	126.0	201.9	115.9	63.5	52.4	25,00	25,80	36.30	21.00	20°
85	107.6	111.1	127.0	142.5	126.0	201.9	115.9	63.5	52.4	25,00	25,80	36.30	21.00	20°
90	113.9	117.5	136.5	152.0	135.5	214.6	115.9	63.5	52.4	26,20	25,80	36.30	21.00	20°
95	117.1	120.0	136.5	152.0	135.5	214.6	115.9	63.5	52.4	26,20	25,80	36.30	21.00	20°
100	123.4	127.0	139.7	155.2	138.7	227.3	115.9	63.5	52.4	26,20	25,80	36.30	21.00	20°
105	129.8	133.4	152.4	167.9	151.4	240.0	115.9	63.5	52.4	36,00	23,80	40.10	21.00	45°
110	136.1	139.7	152.4	167.9	151.4	240.0	115.9	63.5	52.4	36,00	23,80	40.10	21.00	45°
115	142.5	146.1	165.1	180.6	164.1	252.7	115.9	63.5	52.4	36,00	23,80	40.10	24.00	45°
120	142.5	146.1	165.1	180.6	164.1	252.7	115.9	63.5	52.4	36,00	23,80	40.10	24.00	45°
125	148.8	152.4	165.1	180.6	164.1	252.7	115.9	63.5	52.4	36,00	23,80	40.10	24.00	45°

Des questions ?

N'hésitez pas à nous contacter

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