

# Material Codes

## Seal Ring Materials(密封环材料)

Type(材料类型)	Material Description(材料描述)	Symbol(简写)	Code(代号)
SiC(碳化硅类)	Silicon Carbide, Sintered Pressureless——无压烧结碳化硅	SSiC	Q1
	Silicon Carbide, Sintered Pressureless (shrunk-in)——无压烧结碳化硅镶嵌		Q12
	Silicon Carbide, Reaction bonded——反应烧结碳化硅	RBSiC	Q2
	Silicon Carbide, Reaction bonded (shrunk-in)——反应烧结碳化硅镶嵌		Q22
	Reaction Silicon Carbide with Graphite——反应烧结碳化硅加石墨		Q3
	Sintered Silicon Carbide with SB——无压烧结碳化硅加氮化硼		Q4
Al2O3(氧化铝类)	Ceramic (Alumina)——氧化铝	99.5% Al2O3	V
	Ceramic (Alumina)——氧化铝	99% Al2O3	V1
	Ceramic (Alumina)——氧化铝	95% Al2O3	V2
	Cermet——金属陶瓷	Fe+Al2O3	V3
TC(硬质合金类)	Co-binder Tungsten Carbide——钴基硬质合金	YG6, YG8	U1
	Co-binder Tungsten Carbide (shrunk-in)——钴基硬质合金镶嵌		U12
	Ni-binder Tungsten Carbide——镍基硬质合金	M106, M108	U2
	Ni-binder Tungsten Carbide (shrunk-in)——镍基硬质合金镶嵌		U22
	NiCrMo-binder Tungsten Carbide——镍铬钼硬质合金	W7	U3
	NiCrMo-binder Tungsten Carbide (shrunk-in)——镍铬钼硬质合金镶嵌		U32
Carbon(石墨类)	Antimony Impreg. Carbon Graphite——浸锑石墨		A
	Babbit Alloy Impreg. Carbon Graphite——浸巴比氏合金石墨		A1
	Copper Impreg. Carbon Graphite——浸铜石墨		A2
	Resin Impregnated Carbon Graphite(Furan)——浸呋喃树脂石墨		B
	Resin Impregnated Carbon Graphite(Epoxy)——浸环氧树脂石墨		B1
	Resin Impregnated Carbon Graphite(Phenol-formaldehyde)——浸酚醛树脂石墨		B2
	Hot-pressing Carbon——热压石墨		B5
Metal(金属类)	Stainless Steel——不锈钢	304	F
	Stainless Steel——不锈钢	304L	F1
	Stainless Steel——不锈钢	316	G
	Stainless Steel——不锈钢	316L	G1
	Tin bronze——锡青铜	ZQSn6-6-3	S1
	High silicon cast iron——高硅铸铁		S2
	High nickel cast iron——高镍铸铁		S3
Plastic(塑料类)	PTFE, glassfibre reinforced——四氟填充玻璃纤维		Y1
	PTFE, carbon reinforced——四氟填充碳纤维		Y2

## Spring Materials(弹簧材料)

Type(材料类型)	Material Description(材料描述)	Symbol(简写)	Code(代号)
	Hastelloy C-4 Alloy——哈氏合金	Hast.C4	M
	Stainless Steel——不锈钢	304	F
	Stainless Steel——不锈钢	304L	F1
	Stainless Steel——不锈钢	316	G
	Stainless Steel——不锈钢	316L	G1
	65Mn Coated with Chrome——65Mn镀铬	65Mn	G8

# Material Codes

Metal Materials(结构件材料)			
Type(材料类型)	Material Description(材料描述)	Symbol(简写)	Code(代号)
	Normal Stainless Steel-----普通不锈钢	2Cr13	F2
	Stainless Steel-----不锈钢	304	F
	Stainless Steel-----不锈钢	304L	F1
	Stainless Steel-----不锈钢	316	G
	Stainless Steel-----不锈钢	316L	G1
	Hastelloy C-4 Alloy-----哈氏合金	Hast.C4	M
	Hastelloy B-2 Alloy-----哈氏合金	Hast.B2	M1
	Carpenter-----卡彭特	Carp.20	M3
	Monel-----蒙乃尔	Monel.K50	M4
	Hastelloy C-276 Alloy-----哈氏合金	Hast. C-276	M5
	Pure Titanim-----纯钛	TA2	T2
	Carpenter-----卡彭特	Carp.42	T4
	Deposit induration Stainless Steel-----沉淀硬化不锈钢	Am350	T6
	08F Coated with Chrome-----08F镀铬	Q235-A	C
	Brass-----黄铜	H62	H

Secondary Seal Materials(辅助密封件材料)			
Type(材料类型)	Material Description(材料描述)	Symbol(简写)	Code(代号)
Rubber(橡胶类)	Nitrile (NBR)-----丁腈橡胶	NBR	P
	Ethylene Propylene (EPDM)-----乙炔橡胶	EPR	E
	Fluorocarbon rubber (Viton)-----氟橡胶	FPM	V
	Silicon Rubber-----硅橡胶	SI	S
	Chloroprene rubber-----氯丁橡胶	CR	N
	Hydrogen Nitrile-----氢化丁腈	HNBR	H
	Perfluoroelastomer (Kalrez, Chemraz)-----全氟橡胶	FFKM	K
PTFE(聚四氟乙烯类)	Pure PTFE-----纯聚四氟乙烯	PTFE	T
	PTFE, glassfibre reinforced-----四氟填充玻璃纤维		T2
	PTFE, carbon reinforced-----四氟填充碳纤维		T3
PTFE wrapped(聚四氟包覆类)	FPM, with PTFE wrapped-----四氟包覆氟橡胶	PTFE+FPM	M1
	EPR, with PTFE wrapped-----四氟包覆乙丙橡胶	PTFE+EPR	M2
	MVQ, with PTFE wrapped-----四氟包覆硅橡胶	PTFE+MVQ	M3
Expanded graphite(柔性石墨类)	Expanded graphite-----柔性石墨		G

## Elastomer Bellow Mechanical Seals

... MG1, MG12, MG13, MGS20

● **Operational Conditions:**

Temperature: -20℃ to +120℃

Pressure: ≤ 1.2MPa

Speed: ≤ 10m/s

● **Materials:**

Stationary Ring: U2, Q2, V1, Q1

Rotary Ring: B, A, Q1, Q2

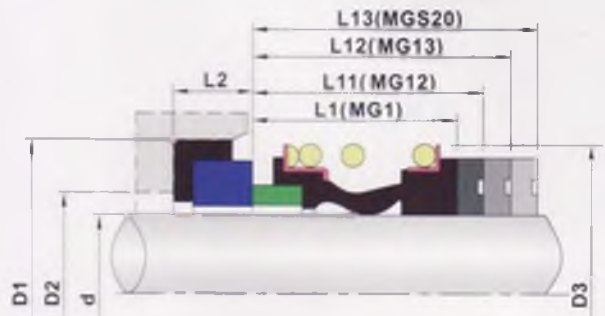
Secondary Seal: V, P, E

Spring and Metal Parts: F, G

● **Standard: G60**

Alternative:

- **Applications: Clean water, sewage water,  
Oil and other moderately corrosive fluids.**



规格/Size (公制/Metric)	d	D3	D2	D1	L1	L11	L12	L13	L2
10	10	22.5	17	21	14.5	25.9	33.4	25.0	6.6
12	12	25.0	19	23	15.0	25.9	33.4	25.0	6.6
14	14	28.5	21	25	17.0	28.4	33.4	25.0	6.6
15	15	28.5	-	-	17.0	28.4	33.4	25.0	-
16	16	28.5	23	27	17.0	28.4	33.4	25.0	6.6
18	18	32.0	27	33	19.5	30.0	37.5	25.0	7.5
19	19	37.0	-	-	21.5	30.0	37.5	25.0	-
20	20	37.0	29	35	21.5	30.0	37.5	25.0	7.5
22	22	37.0	31	37	21.5	30.0	37.5	25.0	7.5
24	24	42.5	33	39	22.5	32.5	42.5	25.0	7.5
25	25	42.5	34	40	23.0	32.5	42.5	25.0	7.5
28	28	49.0	37	43	26.5	35.0	42.5	33.0	7.5
30	30	49.0	39	45	26.5	35.0	42.5	33.0	7.5
32	32	53.5	42	48	27.5	35.0	47.5	33.0	7.5
33	33	53.5	42	48	27.5	35.0	47.5	33.0	7.5
35	35	57.0	44	50	28.5	35.0	47.5	33.0	7.5
38	38	59.0	49	56	30.0	36.0	46.0	33.0	9.0
40	40	62.0	51	58	30.0	36.0	46.0	33.0	9.0
42	42	65.5	-	-	30.0	36.0	51.0	41.0	-
43	43	65.5	54	61	30.0	36.0	51.0	41.0	9.0
45	45	68.0	56	63	30.0	36.0	51.0	41.0	9.0
48	48	70.5	59	66	30.5	36.0	51.0	41.0	9.0
50	50	74.0	62	70	30.5	38.0	50.5	41.0	9.5
53	53	78.5	65	73	33.0	36.5	59.0	41.0	11.0
55	55	81.0	67	75	35.0	36.5	59.0	41.0	11.0
58	58	85.5	70	78	37.0	41.5	59.0	41.0	11.0
60	60	88.5	72	80	38.0	41.5	59.0	41.0	11.0
65	65	93.5	77	85	40.0	41.5	69.0	49.0	11.0
68	68	96.5	81	90	40.0	41.2	68.7	49.0	11.3
70	70	99.5	83	92	40.0	48.7	68.7	49.0	11.3
75	75	107.0	88	97	40.0	48.7	68.7	52.0	11.3
80	80	112.0	95	105	40.0	48.0	78.0	56.0	12.0
85	85	120.0	100	110	41.0	46.0	76.0	56.0	14.0
90	90	127.0	105	115	45.0	51.0	76.0	59.0	14.0
95	95	132.0	110	120	46.0	51.0	76.0	59.0	14.0
100	100	137.0	115	125	47.0	51.0	76.0	62.0	14.0



# Elastomer Bellow Mechanical Seals

## ... HXT210

● **Operational Conditions:**

Temperature: -20 °C to +120 °C

Pressure: ≤ 1.8MPa

Speed: ≤ 15m/s

● **Materials:**

Stationary Ring: V1,Q2,Q1,U2

Rotary Ring: B,A,Q1,Q2

Secondary Seal: P,E,V

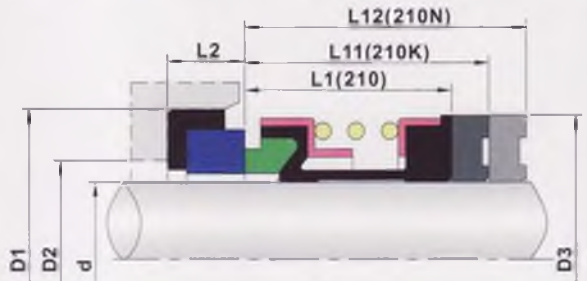
Spring and Metal Parts: F,G

● **Standard:**

Alternative: G60, BS

● **Applications: Clean water, sewage water,**

Oil and other moderately corrosive fluids.



规格/Size (公制/Metric)	d	D3	D2	D1	L1	L11	L12	L2
10	10	20	15	21	15	27.5	35.0	5.0
12	12	22	17	23	15	26.5	34.0	6.0
14	14	24	19	25	15	29.0	34.0	6.0
15	15	25	20	26	15	29.0	34.0	6.0
16	16	26	23	27	15	29.0	34.0	6.0
18	18	32	25	33	20	31.5	39.0	6.0
20	20	34	27	35	20	31.5	39.0	6.0
22	22	36	29	37	20	31.5	39.0	6.0
24	24	38	31	39	20	34.0	44.0	6.0
25	25	39	32	40	20	34.0	44.0	6.0
28	28	42	35	43	26	36.5	44.0	6.0
30	30	44	37	45	26	35.5	43.0	7.0
32	32	46	40	48	26	35.5	48.0	7.0
33	33	47	40	48	26	35.5	48.0	7.0
35	35	49	42	50	26	34.5	47.0	8.0
38	38	54	47	56	30	37.0	47.0	8.0
40	40	56	49	58	30	37.0	47.0	8.0
43	43	59	52	61	30	37.0	52.0	8.0
45	45	61	54	63	30	37.0	52.0	8.0
48	48	64	57	66	30	35.0	50.0	10.0
50	50	66	60	70	30	37.5	50.0	10.0
53	53	69	63	73	30	37.5	60.0	10.0
55	55	71	65	75	30	37.5	60.0	10.0
58	58	78	68	78	33	42.5	60.0	10.0
60	60	80	70	80	33	40.5	58.0	12.0
63	63	83	73	83	33	40.5	58.0	12.0
65	65	85	75	85	33	40.5	68.0	12.0
68	68	88	79	90	33	40.5	68.0	12.0
70	70	90	81	92	33	48.0	68.0	12.0
75	75	99	86	97	40	48.0	68.0	12.0
80	80	104	92	105	40	47.5	77.5	12.5
85	85	109	97	110	40	47.5	77.5	12.5
90	90	114	102	115	40	52.5	77.5	12.5
95	95	119	117	120	40	52.5	77.5	12.5
100	100	124	122	125	40	52.5	77.5	12.5

规格/Size (英制/Inch)	d	D3	L1
0.375	9.5	20.0	15.0
0.500	12.7	24.0	15.0
0.625	15.8	26.0	15.0
0.750	19.0	32.0	20.0
0.875	22.2	36.0	20.0
1.000	25.4	38.0	20.0
1.125	28.5	42.3	26.0
1.250	31.7	46.0	26.0
1.375	34.9	49.0	26.0
1.500	38.1	54.0	30.0
1.625	41.2	56.0	30.0
1.750	44.4	61.0	30.0
1.875	47.6	64.0	30.0
2.000	50.8	66.0	30.0
2.125	53.9	69.0	30.0
2.250	57.1	77.0	33.0
2.375	60.3	80.0	33.0
2.500	63.5	83.0	33.0
2.625	66.6	88.0	33.0
2.750	69.8	89.0	33.0
2.875	73.0	96.0	33.0
3.000	76.2	99.0	40.0
3.125	79.3	103.0	40.0
3.250	82.5	104.0	40.0
3.375	85.7	108.0	40.0
3.500	88.9	112.0	40.0
3.625	92.0	114.0	40.0
3.750	95.2	118.0	40.0
3.875	98.4	122.0	40.0
4.000	101.6	124.0	40.0

## Elastomer Bellow Mechanical Seals

### ... HXT60/65

- **Operational Conditions:**

**Temperature:** -20℃ to +120℃

**Pressure:** ≤ 0.5MPa

**Speed:** ≤ 10m/s

- **Materials:**

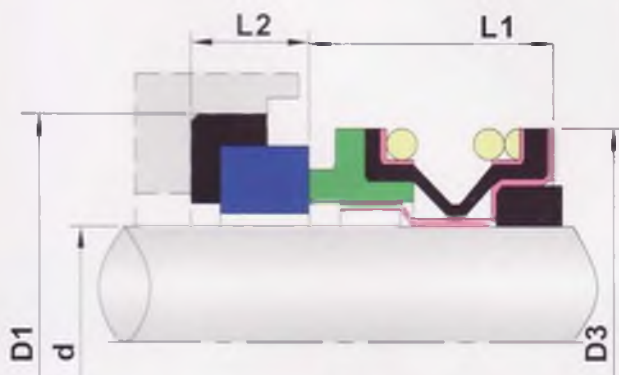
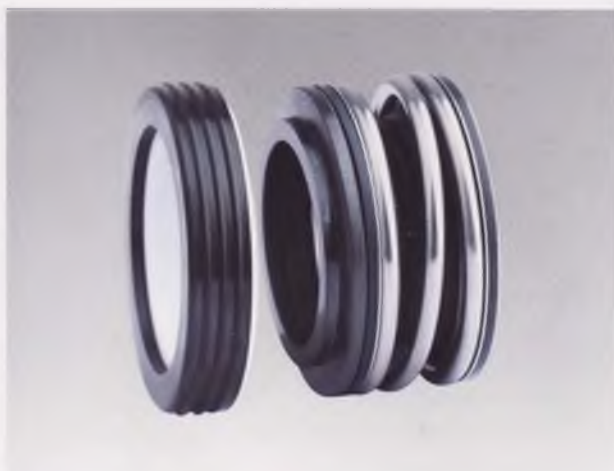
**Stationary Ring:** Q1,V1

**Rotary Ring:** B5,B,Q2

**Secondary Seal:** V,E,P

**Spring and Metal Parts:** F,G

- **Applications:** Clean water, sewage water, Oil and other moderately corrosive fluids.



规格/Size (英制/Inch)	d	D3	D1	L1	L2
60/0.375	9.5	24.00	22.2	16.00	6.20
60/0.500	12.7	27.00	25.4	16.60	6.20
60/0.625	15.8	31.00	31.8	18.70	10.31
60/0.750	19.0	34.20	34.9	18.70	10.31
60/1.000	25.4	43.00	41.3	20.60	11.10
65/0.375	9.5	27.00	25.4	16.60	7.90
65/0.500	12.7	27.00	25.4	16.60	7.90
65/0.625	15.8	31.00	31.7	18.20	10.30
65/0.750	19.1	34.20	34.9	18.20	10.30
65/1.750	63.5	51.59	61.0	33.34	10.32

## Elastomer Bellow Mechanical Seals

### ... HX60

- **Operational Conditions:**

Temperature:  $-20^{\circ}\text{C}$  to  $+120^{\circ}\text{C}$

Pressure:  $\leq 0.5\text{MPa}$

Speed:  $\leq 10\text{m/s}$

- **Materials:**

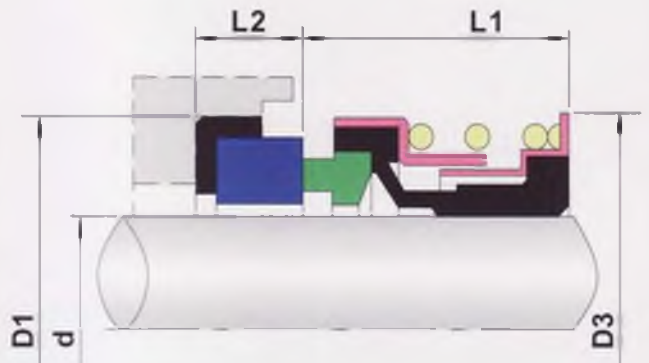
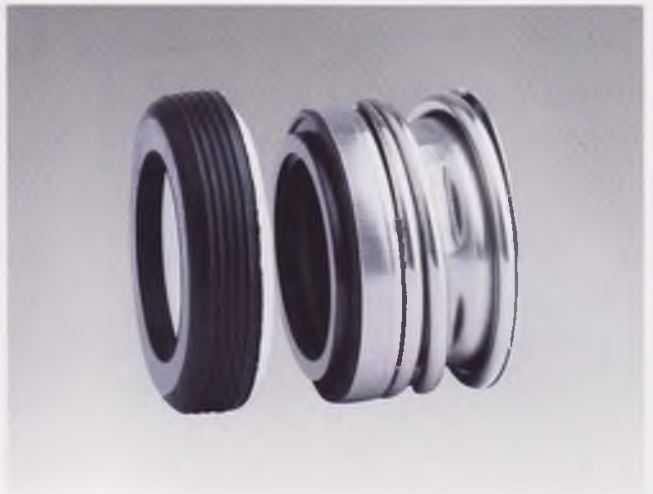
Stationary Ring: Q1, V1

Rotary Ring: B5, B, Q2

Secondary Seal: V, E, P

Spring and Metal Parts: F, G

- **Applications:** Clean water, sewage water, Oil and other moderately corrosive fluids.



规格/Size (英制/Inch)	d	D3	D1	L1	L2
0.375	9.5	23.29	22.23	16.66	7.14
0.500	12.7	23.29	25.40	16.66	6.35
0.625	15.8	30.10	31.75	18.24	10.31
0.750	19.0	33.07	34.93	18.24	10.31
0.875	22.2	36.30	38.10	20.63	10.31
1.000	25.4	39.42	41.28	20.63	11.10

## Elastomer Bellow Mechanical Seals

... 301

- **Operational Conditions:**

Temperature: -20℃ to +120℃

Pressure: ≤ 0.6MPa

Speed: ≤ 10m/s

- **Materials:**

Stationary Ring: V1, Q2

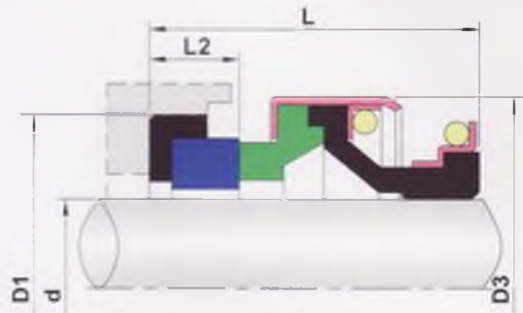
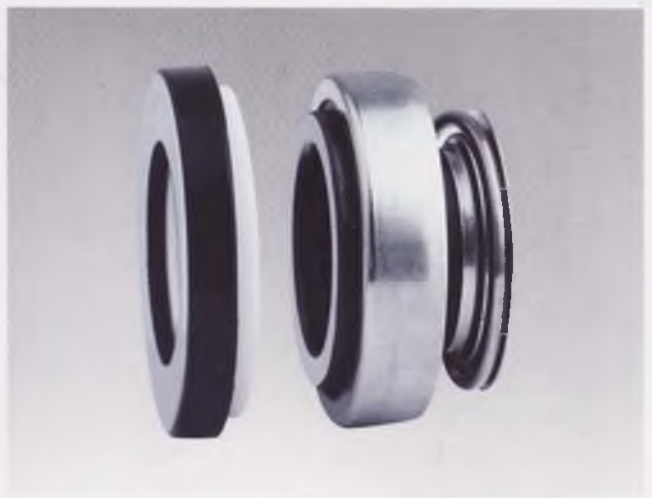
Rotary Ring: Q5, B, Q2

Secondary Seal: V, P, E

Spring and Metal Parts: F

- **Seat Types:**

- **Applications: Clean water.**



规格/Size (公制/Metric)	d	D3	D1	L	L2
6	6	18.0	18.0	14.0	4.0
8S	8	18.0	22.0	15.0	4.0
8M	8	20.0	22/26	15.0	4/5.5
8L	8	24.0	26.0	15.0	5.5
10	10	24.0	26.0	21.0	8.0
11	11	24.0	26.0	21.0	8.0
12	12	24.0	25/26	21.0	8.0
13	13	24.0	26.0	19.5	5.5/8
13L	13	28.0	28.0	21.0	8.0
13H	13	32.0	29.5	30.5	8.0
14	14	28.0	28/28.5	21.0	8.0
14L	14	32.0	29.5	21.0	8.0
15S	15	28.0	28.5/30	21.0	8.0
15M	15	32.0	30/29.5	21.0	8.0
15L	15	39.0	38.0	21.0	8.0
16S	16	28.0	29.5/30	21.0	8.0
16M	16	32.0	29.5	21.0	8.0
16L	16	39.0	38.0	21.0	8.0
16H	16	32.0	30.0	21.0	10.0
17	17	39.0	42.0	21.0	8.0
18	18	39.0	42.0	21.0	8.0

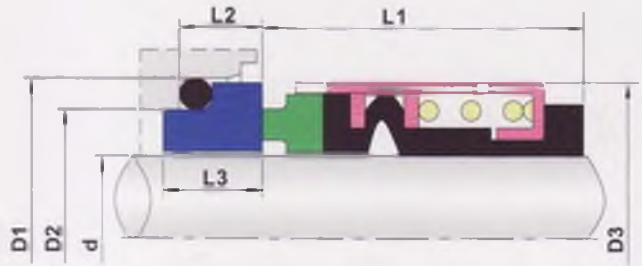
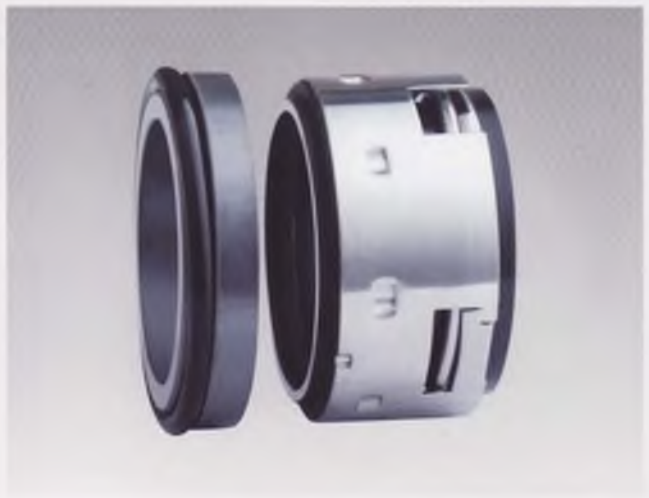
规格/Size (公制/Metric)	d	D3	D1	L	L2
19	19	39.0	42.0	21.0	8.0
20	20	39.0	42.0	21.0	8.0
20L	20	42.0	45.0	23.0	10.0
22S	22	36.0	45.0	26.5	10.0
22L	22	42.0	45.0	23.0	10.0
23	23	47.0	50.0	23.5	10.0
24	24	47.0	50.0	23.5	10.0
25	25	42.0	50.0	23.5	10.0
25L	25	47.0	50.0	23.5	10.0
26	26	47.0	50.0	23.5	10.0
27	27	47.0	50.0	23.5	10.0
28	28	54.0	57.0	25.0	10.0
30	30	54.0	57.0	25.0	10.0
32	32	54.0	57.0	25.0	10.0
35	35	60.0	63.0	26.0	10.0
38	38	65.0	68.0	30.0	12.0
40	40	65.0	68.0	30.0	12.0
45	45	70.0	73.0	32.0	12.0
50	50	85.0	88.0	38.0	15.0
55	55	85.0	88.0	38.0	15.0
60	60	105.0	110.0	45.0	15.0



# Elastomer Bellow Mechanical Seals

... 502

- **Operational Conditions:**
  - Temperature: -20℃ to +120℃
  - Pressure: ≤ 2.5MPa
  - Speed: ≤ 15m/s
- **Materials:**
  - Stationary Ring: V1,Q2,Q1,U2,U1
  - Rotary Ring: B,A,Q1,Q2,U1,U2
  - Secondary Seal: P,E,V
  - Spring and Metal Parts: F,G
- **Seat Types:**
  - Standard: BO
  - Alternative: BP
- **Applications: Clean water, sewage water, Oil and other moderately corrosive fluids.**



规格/Size (公制/Metric)	d	D3	D2	D1	L1	L2	L3
14	14	24	21	25	23.0	12.0	12.8
16	16	26	23	27	23.0	12.0	12.8
18	18	32	27	33	24.0	13.5	14.5
20	20	34	29	35	24.0	13.5	14.5
22	22	36	31	37	24.0	13.5	14.5
24	24	38	33	39	26.7	13.3	14.3
25	25	39	34	40	27.0	13.0	14.0
28	28	42	37	43	30.0	12.5	13.5
30	30	44	39	45	30.5	12.0	13.0
32	32	46	42	48	30.5	12.0	13.0
33	33	47	42	48	30.5	12.0	13.0
35	35	49	44	50	30.5	12.0	13.0
38	38	54	49	56	32.0	13.0	14.0
40	40	56	51	58	32.0	13.0	14.0
43	43	59	54	61	32.0	13.0	14.0
45	45	61	56	63	32.0	13.0	14.0
48	48	64	59	66	32.0	13.0	14.0
50	50	66	62	70	34.0	13.5	14.5
53	53	69	65	73	34.0	13.5	14.5
55	55	71	67	75	34.0	13.5	14.5
58	58	78	70	78	39.0	13.5	14.2
60	60	80	72	80	39.0	13.5	14.2
63	63	83	75	83	39.0	13.5	14.2
65	65	85	77	85	39.0	13.5	14.2
68	68	88	81	90	39.0	13.5	14.2
70	70	89	83	92	45.5	14.5	15.2
75	75	96	88	97	45.5	14.5	15.2
80	80	104	95	105	45.0	15.0	15.7
85	85	108	100	110	45.0	15.0	15.7
90	90	114	105	115	50.0	15.0	15.7
95	95	118	110	120	50.0	15.0	15.7
100	100	124	115	125	50.0	15.0	15.7



## Cartidge Mechanical Seals

... SAI

● **Operational Conditions:**

**Temperature:**-50℃to+204℃

**Pressure:**≤1.2MP/S

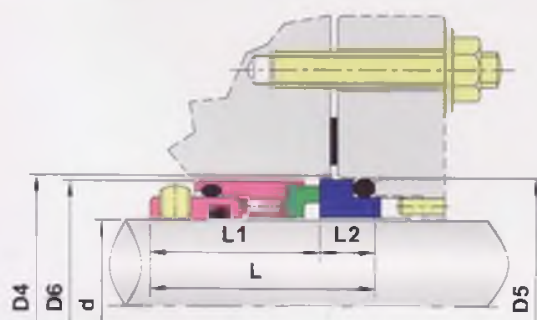
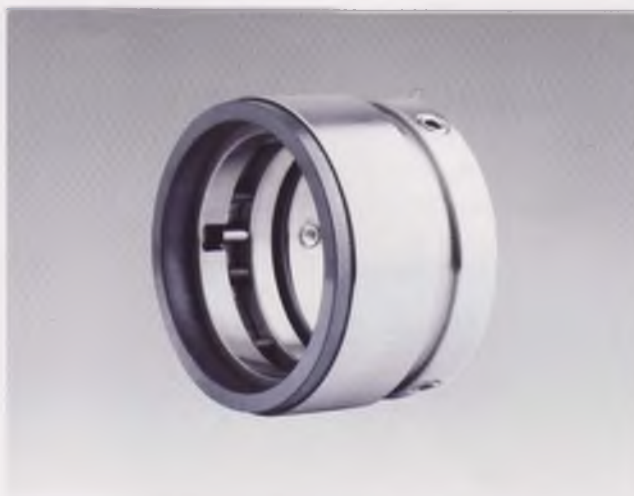
● **Materials:**

**Stationary R'ing:**Q2,V1

**Out barrel:**F vs B,U2,Q2

**Secondary seal:**V,E,P,K

**Spring and Metal parts:**G



规格/Size (公制/Metric)	L1	L	L2	D5	D6	D4
18	27.90	37.50	9.6	33	32.00	34
20	27.90	37.50	9.6	35	34.00	36
22	27.90	37.50	9.6	37	36.00	38
24	29.99	40.00	10.1	39	38.00	40
25	29.99	40.00	10.1	40	39.00	41
28	32.40	42.50	10.1	43	42.00	44
30	32.40	42.50	10.1	45	44.00	46
32	32.40	42.50	10.1	48	46.00	48
33	32.40	42.50	10.1	48	47.00	49
35	32.40	42.50	10.1	50	49.00	51
38	33.90	45.00	11.1	56	54.00	58
40	33.90	45.00	11.1	58	56.00	60
43	33.90	45.00	11.1	61	59.00	63
45	33.90	45.00	11.1	63	61.00	65
48	33.90	45.00	11.1	66	64.00	68
50	34.40	47.50	11.1	70	66.00	70
53	34.40	47.50	13.1	73	69.00	73
55	34.40	47.50	13.1	75	71.00	75
58	38.90	52.50	13.1	78	78.00	83
60	38.90	52.50	13.6	80	80.00	85
63	38.90	52.50	13.6	83	83.00	88
65	38.90	52.50	13.6	85	85.00	90
68	37.40	52.50	15.1	90	88.00	93
70	44.90	60.00	15.1	92	90.00	95
75	44.90	60.00	15.1	97	99.0	104
80	44.20	60.00	15.8	105	104.0	119
85	44.20	60.00	15.8	110	109.0	114
90	49.20	65.00	15.8	115	114.0	119
95	49.20	65.00	15.8	120	119.0	124
100	49.20	65.00	15.8	125	124.0	129

# O-ring Mechanical Series

... HX H7N

● **Operational Conditions:**

**Temperature:** -20℃ to +180℃

**Pressure:** ≤ 2.5MPa

**Speed:** ≤ 15m/s

● **Materials:**

**Stationary Ring:** V1, Q1, Q2, U2, B, A

**Rotary Ring:** B, A, Q1, Q2, U2

**Secondary Seal:** P, E, V, M1, M2

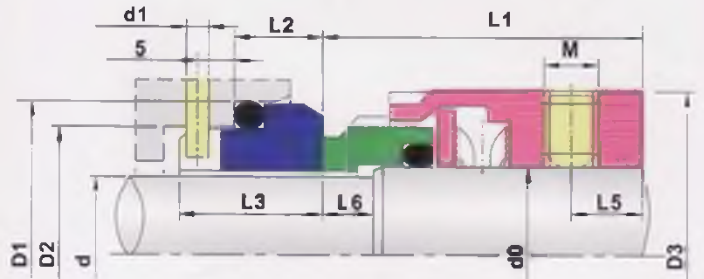
**Spring and Metal Parts:** F, G, M

● **Seat Types:**

**Standard:** G9

**Alternative:** G92

● **Applications:** Clean water, sewage water, Oil and other moderately corrosive fluids.



规格/Size (公制/Metric)	d0	d	D3	D2	D1	d1	L1	L2	L3	L6	L5	M
14	18	14	33	21	25	3	32.5	10.0	17.5	8.0	6.0	M5
16	20	16	35	23	27	3	32.5	10.0	17.5	8.0	6.0	M5
18	22	18	37	27	33	3	33.5	11.5	19.5	8.5	7.0	M5
20	24	20	39	29	35	3	33.5	11.5	19.5	8.5	5.5	M5
22	26	22	41	31	37	3	33.5	11.5	19.5	8.5	8.0	M5
24	28	24	43	33	39	3	36.0	11.5	19.5	8.5	5.5	M6
25	30	25	45	34	40	3	36.0	11.5	19.5	8.5	5.5	M6
28	33	28	48	37	43	3	38.5	11.5	19.5	8.5	8.0	M6
30	35	30	50	39	45	3	38.5	11.5	19.5	8.5	8.0	M6
32	38	32	55	42	48	3	38.5	11.5	19.5	8.5	8.0	M5
33	38	33	55	42	48	3	38.5	11.5	19.5	8.5	8.0	M6
35	40	35	57	44	50	3	38.5	11.5	19.5	8.5	8.0	M6
38	43	38	60	49	56	4	38.5	14.0	22.0	9.0	8.0	M6
40	45	40	62	51	58	4	38.5	14.0	22.0	9.0	8.0	M6
43	48	43	65	54	61	4	38.5	14.0	22.0	9.0	8.0	M6
45	50	45	67	56	63	4	38.5	14.0	22.0	9.0	8.0	M6
48	53	48	70	59	66	4	38.5	14.0	22.0	9.0	8.0	M6
50	55	50	72	62	70	4	42.5	15.0	23.0	10.0	8.0	M6
53	58	53	79	65	73	4	42.5	15.0	23.0	10.0	9.0	M8
55	60	55	81	67	75	4	42.5	15.0	23.0	10.0	9.0	M8
58	63	58	84	70	78	4	47.5	15.0	23.0	10.0	9.0	M8
60	65	60	86	72	80	4	47.5	15.0	23.0	10.0	9.0	M8
63	68	63	89	75	83	4	47.5	15.0	23.0	10.0	9.0	M8
65	70	65	91	77	85	4	47.5	15.0	23.0	10.0	9.0	M8
70	75	70	99	83	92	4	52.0	18.0	26.0	10.0	10.0	M8
75	80	75	104	88	97	4	52.0	18.0	26.0	10.0	10.0	M8
80	85	80	109	95	105	4	51.8	18.2	26.2	9.8	10.0	M8
85	90	85	114	100	110	4	56.8	18.2	26.2	9.8	10.0	M8
90	95	90	119	105	115	4	56.8	18.2	26.2	9.8	10.0	M8
95	100	95	124	110	120	4	57.8	17.2	25.2	10.8	10.0	M8
100	105	100	129	115	125	4	57.8	17.2	25.2	10.8	10.0	M8

# O-ring Mechanical Series

## ... HXM7N

● **Operational Conditions:**

**Temperature:** -20℃ to +190℃

**Pressure:** ≤ 1.2MPa

**Speed:** ≤ 15m/s

● **Materials:**

**Stationary Ring:** V1,Q1,Q2,U2,B,A

**Rotary Ring:** B,A,Q1,Q2

**Secondary Seal:** P,E,V,M1,M2

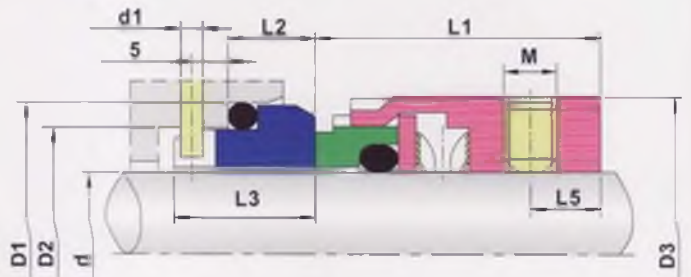
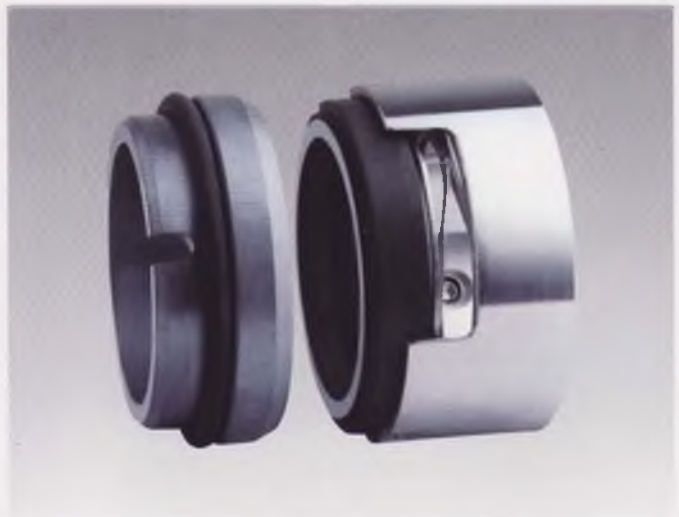
**Spring and Metal Parts:** F,G,M

● **Seat Types:**

**Standard:** GWG9

**Alternative:** GWG6, GWG4

● **Applications:** Clean water, sewage water,  
Oil and other moderately corrosive fluids.



规格/Size (公制/Metric)	d	D3	D2	D1	d1	L1	L2	L3	L5	M
14	14	25	21	25	3	25.0	10.0	17.5	6	M5
16	16	27	23	27	3	25.0	10.0	17.5	6	M5
18	18	33	27	33	3	26.0	11.5	19.5	7	M5
20	20	35	29	35	3	26.0	11.5	19.5	7	M5
22	22	37	31	37	3	26.0	11.5	19.5	7	M5
24	24	39	33	39	3	28.5	11.5	19.5	8	M5
25	25	40	34	40	3	28.5	11.5	19.5	8	M5
28	28	43	37	43	3	31.0	11.5	19.5	8	M6
30	30	45	39	45	3	31.0	11.5	19.5	8	M6
32	32	47	42	48	3	31.0	11.5	19.5	8	M6
33	33	48	42	48	3	31.0	11.5	19.5	8	M6
35	35	50	44	50	3	31.0	11.5	19.5	8	M6
38	38	55	49	56	4	31.0	14.0	22.0	8	M6
40	40	57	51	58	4	31.0	14.0	22.0	8	M6
43	43	60	54	61	4	31.0	14.0	22.0	8	M6
45	45	62	56	63	4	31.0	14.0	22.0	8	M6
48	48	65	59	66	4	31.0	14.0	22.0	8	M6
50	50	67	62	70	4	32.5	15.0	23.0	8	M6
53	53	70	65	73	4	32.5	15.0	23.0	8	M6
55	55	72	67	75	4	32.5	15.0	23.0	8	M6
58	58	79	70	78	4	37.5	15.0	23.0	9	M8
60	60	81	72	80	4	37.5	15.0	23.0	9	M8
63	63	84	75	83	4	37.5	15.0	23.0	9	M8
65	65	86	77	85	4	37.5	15.0	23.0	9	M8
68	68	89	81	90	4	34.5	18.0	26.0	9	M8
70	70	91	83	92	4	42.0	18.0	26.0	9	M8
75	75	99	88	97	4	42.0	18.0	26.0	10	M8
80	80	104	95	105	4	41.8	18.2	26.2	10	M8
85	85	109	100	110	4	41.8	18.2	26.2	10	M8
90	90	114	105	115	4	46.8	18.2	26.2	10	M8
95	95	119	110	120	4	47.8	17.2	25.2	10	M8
100	100	124	115	125	4	47.8	17.2	25.2	10	M8



## O-ring Mechanical Series

... M74A

- **Operational Conditions:**

**Temperature:** -20℃ to +180℃

**Pressure:** ≤ 1.2MPa

**Speed:** ≤ 15m/s

- **Materials:**

**Stationary Ring:** V1, Q1, Q2, U2, B, A

**Rotary Ring:** B, A, Q1, Q2, U2

**Secondary Seal:** P, E, V, M1, M2

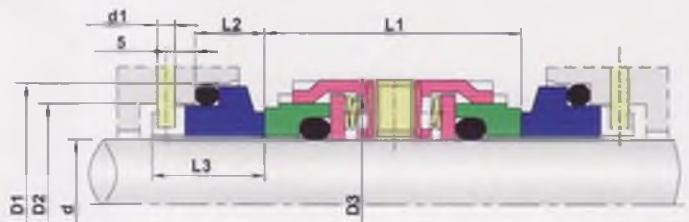
**Spring and Metal Parts:** F, G, M

- **Seat Types:**

**Standard:** G9

**Alternative:** G6, G4, G9

- **Applications:** Clean water, sewage water, Oil and other moderately corrosive fluids.



规格/Size (公制/Metric)	d	D2	D1	D3	d1	L1	L2	L3
18	18	27	33	33	3	38	11.5	19.5
20	20	29	35	35	3	38	11.5	19.5
22	22	31	37	37	3	38	11.5	19.5
24	24	33	39	39	3	38	11.5	19.5
25	25	34	40	40	3	38	11.5	19.5
28	28	37	43	43	3	39	11.5	19.5
30	30	39	45	45	3	39	11.5	19.5
32	32	42	48	47	3	39	11.5	19.5
33	33	42	48	48	3	39	11.5	19.5
35	35	44	50	50	3	39	11.5	19.5
38	38	49	56	55	4	41	14.0	22.0
40	40	51	58	57	4	42	14.0	22.0
43	43	54	61	60	4	42	14.0	22.0
45	45	56	63	62	4	42	14.0	22.0
48	48	59	66	65	4	42	14.0	22.0
50	50	62	70	67	4	43	15.0	23.0
53	53	65	73	70	4	43	15.0	23.0
55	55	67	75	72	4	43	15.0	23.0
58	58	70	78	79	4	56	15.0	23.0
60	60	72	80	81	4	56	15.0	23.0
63	63	75	83	84	4	55	15.0	23.0
65	65	77	85	86	4	55	15.0	23.0
68	68	81	90	89	4	55	18.0	26.0
70	70	83	92	91	4	56	18.0	26.0
75	75	88	97	99	4	56	18.0	26.0
80	80	95	105	104	4	56	18.2	26.2
85	85	100	110	109	4	56	18.2	26.2
90	90	105	115	114	4	56	18.2	26.2
95	95	110	120	119	4	56	17.2	25.2
100	100	115	125	124	4	56	17.2	25.2

## O-ring Mechanical Series

### ... M74D

● **Operational Conditions:**

**Temperature:** -20℃ to +180℃

**Pressure:** ≤ 2.5MPa

**Speed:** ≤ 15m/s

● **Materials:**

**Stationary Ring:** V1,Q1,Q2,U2,B,A

**Rotary Ring:** B,A,Q1,Q2,U2

**Secondary Seal:** P,E,V,M1,M2

**Spring and Metal Parts:** F,G,M

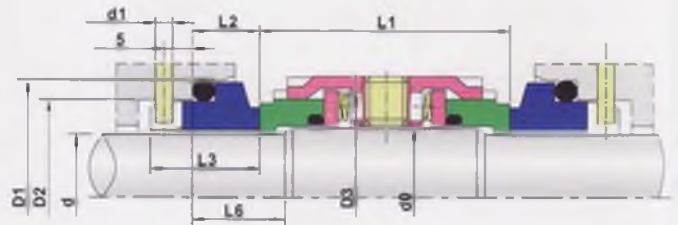
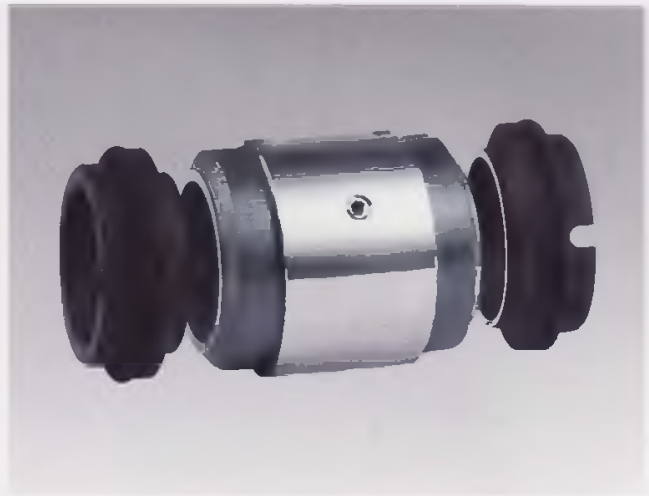
● **Seat Types:**

**Standard:** G9

**Alternative:** G6, G4, G9

● **Applications:** Clean water, sewage water,

Oil and other moderately corrosive fluids.



规格/Size (公制/Metric)	d	d0	D3	D2	D1	d1	L6	L1	L2	L3
14	14	18	33	21	25	3	18	53.0	10.0	17.5
16	16	20	35	23	27	3	18	53.0	10.0	17.5
18	18	22	37	27	33	3	20	53.0	11.5	19.5
20	20	24	39	29	35	3	20	53.0	11.5	19.5
22	22	26	41	31	37	3	20	53.0	11.5	19.5
24	24	28	43	33	39	3	20	54.0	11.5	19.5
25	25	30	45	34	40	3	20	54.0	11.5	19.5
28	28	33	48	37	43	3	20	54.0	11.5	19.5
30	30	35	50	39	45	3	20	54.0	11.5	19.5
32	32	38	55	42	48	3	20	56.0	11.5	19.5
33	33	38	55	42	48	3	20	56.0	11.5	19.5
35	35	40	57	44	50	3	20	57.0	11.5	19.5
38	38	43	60	49	58	4	23	57.0	14.0	22.0
40	40	45	62	51	58	4	23	57.0	14.0	22.0
43	43	48	65	54	61	4	23	57.0	14.0	22.0
45	45	50	67	56	63	4	23	56.0	14.0	22.0
48	48	53	70	59	65	4	23	56.0	14.0	22.0
50	50	55	72	62	70	4	25	63.0	15.0	23.0
53	53	58	79	65	73	4	25	67.0	15.0	23.0
55	55	60	81	67	75	4	25	67.0	15.0	23.0
58	58	63	84	70	78	4	25	74.0	15.0	23.0
60	60	65	86	72	80	4	25	74.0	15.0	23.0
63	63	68	89	75	83	4	25	79.0	15.0	23.0
65	65	70	91	77	85	4	25	68.0	15.0	23.0
70	70	75	99	83	92	4	28	76.4	18.0	26.0
75	75	80	104	88	97	4	28	76.4	18.0	26.0
80	80	85	109	95	105	4	28	76.0	18.2	26.2
85	85	90	114	100	110	4	28	76.0	18.2	26.2
90	90	95	119	105	115	4	28	76.0	18.2	26.2
95	95	100	124	110	120	4	28	76.0	17.2	25.2
100	100	105	129	115	125	4	28	76.0	17.2	25.2

## Elastomer Bellow Mechanical Seals

... T1

- **Operational Conditions:**

**Temperature:** -20℃ to +120℃

**Pressure:** ≤ 1.4MPa

**Speed:** ≤ 15m/s

- **Materials:**

**Stationary Ring:** V1,Q2,Q1,U2,U1

**Rotary Ring:** B,A,Q1,Q2,U1,U2

**Secondary Seal:** P,E,V

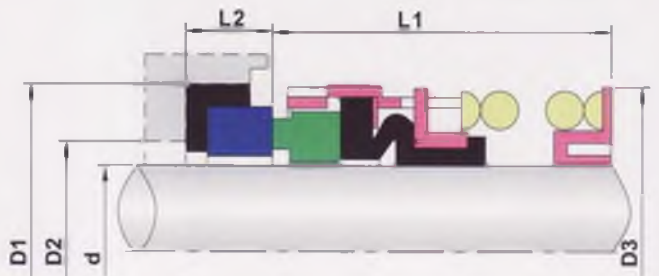
**Spring and Metal Parts:** F,G

- **Seat Type:**

**Standard:** T11

**Alternative:** T20

- **Applications:** Clean water, sewage water,  
Oil and other moderately corrosive fluids.



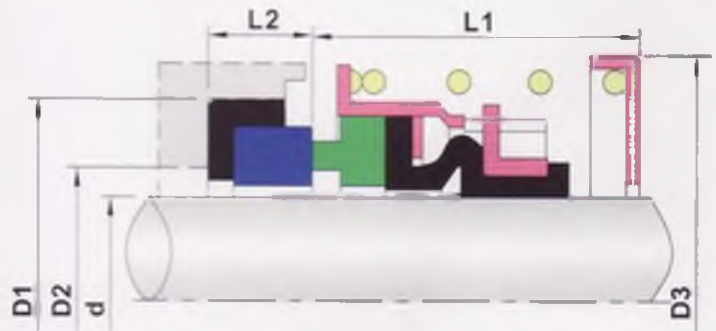
规格/Size (英制/Inch)	规格/Size (公制/Metric)	D1	D2	D3	L1	L2
0.500	12	25.40	19.05	23.80	30.16	7.93
	14	31.75	23.80	27.76	33.32	10.28
0.625	16	31.75	23.80	27.76	33.32	10.28
0.750	18	34.93	26.98	30.94	33.32	10.28
	20	38.10	30.15	34.11	34.93	10.28
0.875	22	38.10	30.15	34.11	34.93	10.28
	24	41.28	33.32	38.10	39.67	11.10
1.000	25	41.28	33.32	38.10	39.67	11.10
1.125	28	44.44	36.50	41.28	41.28	11.10
	30	47.63	37.90	46.02	41.28	11.10
1.250	32	47.63	37.90	46.02	41.28	11.10
	33	50.80	42.84	48.68	42.85	11.00
1.375	35	50.80	42.84	48.68	42.85	11.00
1.500	38	53.98	46.05	51.85	42.85	11.00
1.625	40	60.38	50.80	58.10	50.80	12.70
	43	63.50	53.97	61.27	50.80	12.70
1.750	45	63.50	53.97	61.27	50.80	12.70
1.875	48	66.68	57.15	64.44	53.98	12.70
	48	69.85	60.32	67.21	53.98	12.70
2.000	50	69.85	60.32	67.21	53.98	12.70
2.125	53	76.20	60.32	72.02	60.33	14.28
2.250	55	79.38	61.90	75.30	60.33	14.28
2.375	60	82.55	67.39	78.30	63.50	14.28
2.500	63	85.73	68.25	81.54	63.50	14.28
2.625	65	85.73	71.24	86.22	69.85	15.90
2.750	70	88.90	74.60	89.40	73.03	15.90
2.875	73	95.25	77.77	92.57	73.03	15.90
3.000	75	98.43	80.95	95.75	73.03	15.90



## Elastomer Bellow Mechanical Seals

... T2

- **Operational Conditions:**
  - Temperature: -20℃ to +120℃
  - Pressure: ≤ 1.4MPa
  - Speed: ≤ 15m/s
- **Materials:**
  - Stationary Ring: V1,Q2,Q1,U2,U1
  - Rotary Ring: B,A,Q1,Q2,U1,U2
  - Secondary Seal: P,E,V
  - Spring and Metal Parts: F,G
- **Seat Type:**
  - Standard: T11
  - Alternative: T20
- **Applications: Clean water, sewage water, Oil and other moderately corrosive fluids.**



规格/Size (英制/Inch)	规格/Size (公制/Metric)	D1	D2	D3	L1	L2
0.500	12	25.40	19.05	30.14	20.64	7.93
	14	31.75	23.80	33.32	22.23	10.28
0.625	16	31.75	23.80	33.32	22.23	10.28
0.750	18	34.93	26.98	36.50	22.23	10.28
	20	38.10	30.15	39.67	23.80	10.28
0.875	22	38.10	30.15	39.67	23.80	10.28
	24	41.28	33.32	45.50	25.40	11.10
1.000	25	41.28	33.32	45.50	25.40	11.10
1.125	28	44.44	36.50	48.50	26.97	11.10
	30	47.63	37.90	52.37	26.97	11.10
1.250	32	47.63	37.90	52.37	26.97	11.10
	33	50.80	42.84	56.00	28.58	11.00
1.375	35	50.80	42.84	56.00	28.58	11.00
1.500	38	53.98	46.05	59.20	28.58	11.00
1.625	40	60.38	50.80	67.00	34.93	12.70
	43	63.50	53.97	69.85	34.93	12.70
1.750	45	63.50	53.97	69.85	34.93	12.70
1.875	48	66.68	57.15	73.03	38.10	12.70
	48	69.85	60.32	73.03	38.10	12.70
2.000	50	69.85	60.32	76.20	38.10	12.70
2.125	53	76.20	60.32	82.55	42.85	14.28
2.250	55	79.38	61.90	85.73	42.85	14.28
2.375	60	82.55	67.39	88.90	46.02	14.28
2.500	63	85.73	68.25	92.08	46.02	14.28
2.625	65	85.73	71.24	98.43	49.20	15.90
2.750	70	88.90	74.60	101.60	49.20	15.90
2.875	73	95.25	77.77	104.78	52.37	15.90
3.000	75	98.43	80.95	107.95	52.37	15.90

# Elastomer Bellow Mechanical Seals

## ...HXG912

● **Operational Conditions:**

Temperature: -20°C to +120°C

Pressure: ≤ 1.0MPa

Speed: ≤ 10m/s

● **Materials:**

Stationary Ring: Q2,V1,Q1,U2

Rotary Ring: A,B,Q2,Q1,U2

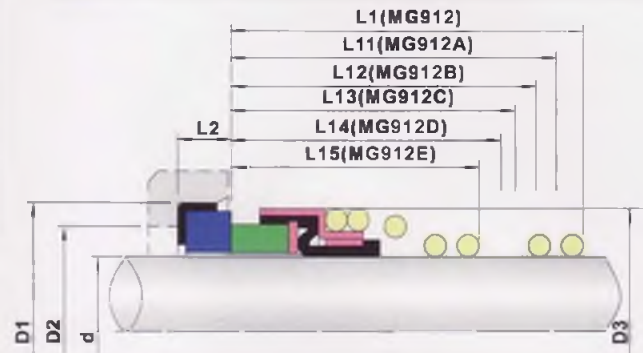
Secondary Seal: V,P,E

Spring and Metal Parts: F,G

● **Seat Type:**

Standard: G60

● **Applications:** Clean water, sewage water,  
Oil and other moderately corrosive fluids.

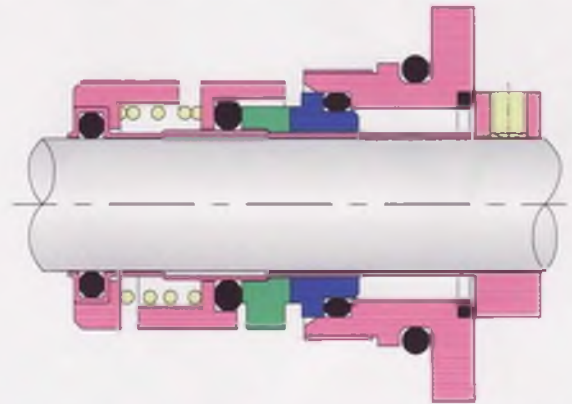


规格/Size 公制/Metric	d	D3	D2	D1	L1	L12	L13	L14	L2
10	10	19.6	17	21	44.0	33.4	25.9	25.0	6.6
12	12	21.6	19	23	44.0	33.4	25.9	25.0	6.6
14	14	24.0	21	25	44.0	33.4	28.4	25.0	6.6
15	15	25.0	-	-	44.0	-	-	25.0	-
16	16	26.5	23	27	44.0	33.4	28.4	25.0	6.6
18	18	29.0	27	33	44.0	37.5	30.0	25.0	7.5
20	20	31.5	29	35	44.0	37.5	30.0	25.0	7.5
22	22	33.0	31	37	44.0	37.5	30.0	25.0	7.5
24	24	37.0	33	39	44.0	42.5	32.5	25.0	7.5
25	25	38.0	34	40	44.0	42.5	32.5	25.0	7.5
28	28	41.0	37	43	60.0	42.5	35.0	33.0	7.5
30	30	43.0	39	45	60.0	42.5	35.0	33.0	7.5
32	32	45.0	42	48	60.0	47.5	35.0	33.0	7.5
33	33	46.0	42	48	60.0	47.5	35.0	33.0	7.5
35	35	48.0	44	50	60.0	47.5	35.0	33.0	7.5
38	38	52.5	49	56	60.0	46.0	36.0	33.0	9.0
40	40	55.5	51	58	60.0	46.0	36.0	33.0	9.0
43	43	58.5	54	61	71.0	51.0	36.0	41.0	9.0
45	45	60.5	56	63	71.0	51.0	36.0	41.0	9.0
48	48	64.0	59	66	71.0	51.0	36.0	41.0	9.0
50	50	66.0	62	70	72.5	50.5	38.0	42.5	9.5
53	53	69.0	65	73	71.0	59.0	36.5	41.0	11.0
55	55	71.0	67	75	71.0	59.0	36.5	41.0	11.0
58	58	76.0	70	78	71.0	59.0	41.5	41.0	11.0
60	60	78.0	72	80	71.0	59.0	41.5	41.0	11.0
63	63	82.0	75	83	-	59.0	41.5	-	11.0
65	65	84.0	77	85	70.0	69.0	41.5	49.0	11.0
68	68	87.0	81	90	70.0	68.7	41.2	49.0	11.3
70	70	89.0	83	92	70.0	68.7	48.7	49.0	11.3
75	75	95.0	88	97	73.0	68.7	48.7	52.0	11.3
80	80	101.5	95	105	79.0	78.0	48.0	56.0	12.0
85	85	-	100	110	79.0	76.0	46.0	56.0	14.0
90	90	111.5	105	115	83.0	76.0	51.0	59.0	14.0
95	95	-	110	120	83.0	76.0	51.0	59.0	14.0
100	100	122.5	115	125	86.0	76.0	51.0	62.0	14.0

## Mechanical Seals for Grundfos Pumps

### ... GLF-1

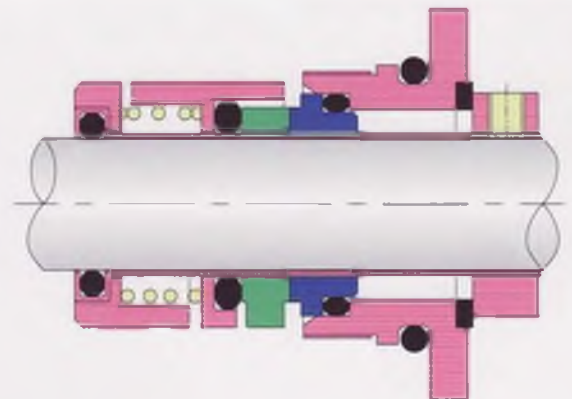
- **GLF-1 is original Grundfos seal, single spring o-ring, mounted semi-cartridge seals with threaded Hex-head. Suit for Grundfos CR, CRN and CRI series Pumps.**
- **Operational Conditions:**  
**Temperature: -30 °C to +200 °C**  
**Pressure: ≤ 2.5MPa**  
**Speed: ≤ 25m/s**
- **Materials:**  
**Stationary Ring: Q2,U2**  
**Rotary Ring: B, Q2,U2**  
**Secondary Seal: V,E,P**  
**Spring and Metal Parts: F,G**
- **Size: 12MM, 16MM**



## Mechanical Seals for Grundfos Pumps

### ... GLF-2

- **GLF-2 is single spring o-ring, mounted semi-cartridge seals with threaded Hex-head. Suit for Grundfos CR, CRN and CRI series Pumps.**
- **Operational Conditions:**  
**Temperature: -30 °C to +200 °C**  
**Pressure: ≤ 2.5MPa**  
**Speed: ≤ 25m/s**
- **Materials:**  
**Stationary Ring: Q2,U2**  
**Rotary Ring: B, Q2,U2**  
**Secondary Seal: V,E,P**  
**Spring and Metal Parts: F,G**
- **Size: 12MM, 16MM**

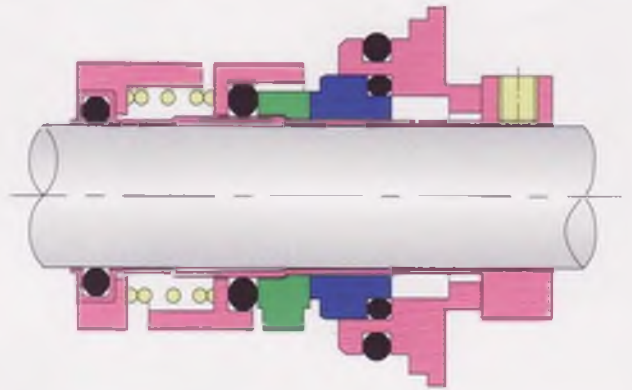




## Mechanical Seals for Grundfos Pumps

### ... GLF-3

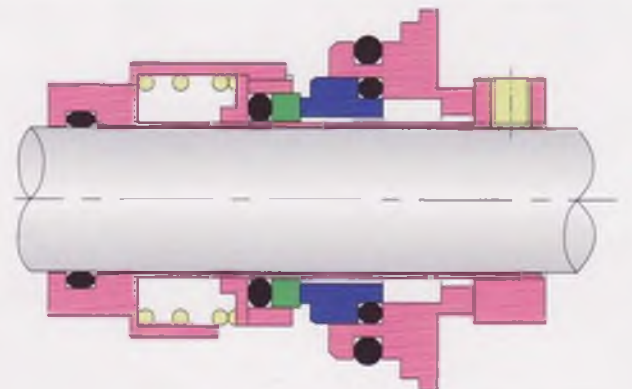
- **GLF-3 is original Grundfos seal, single spring o-ring, mounted semi-cartridge seals with push-fit head. Suit for Grundfos Pumps.**
- **Operational Conditions:**  
**Temperature: -30 °C to +200 °C**  
**Pressure:  $\leq 2.5\text{MPa}$**   
**Speed:  $\leq 25\text{m/s}$**
- **Materials:**  
**Stationary Ring: Q2,U2**  
**Rotary Ring: B, Q2,U2**  
**Secondary Seal: V,E,P**  
**Spring and Metal Parts: F,G**
- **Size: 22MM**
- 



## Mechanical Seals for Grundfos Pumps

### ... GLF-4

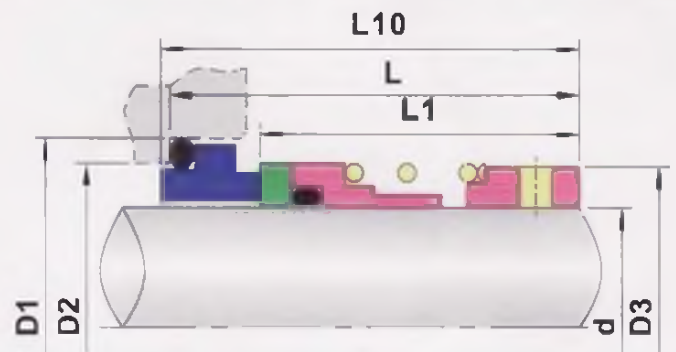
- **GLF-4 is single spring o-ring, mounted semi-cartridge seals with push-fit head. Suit for Grundfos CR, CRN and CRI series Pumps.**
- **Operational Conditions:**  
**Temperature: -30 °C to +200 °C**  
**Pressure:  $\leq 2.5\text{MPa}$**   
**Speed:  $\leq 25\text{m/s}$**
- **Materials:**  
**Stationary Ring: Q2,U2**  
**Rotary Ring: B, Q2,U2**  
**Secondary Seal: V,E,P**  
**Spring and Metal Parts: F,G**
- **Size: 22MM**



## Mechanical Seals for Grundfos Pumps

### ... GLF-5

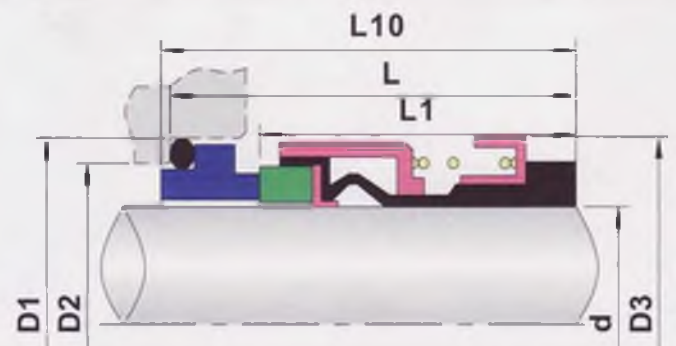
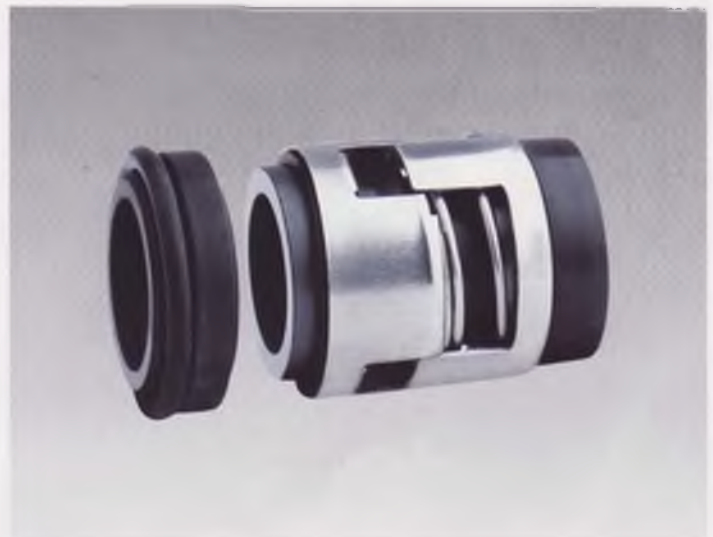
- **Operational Conditions:**  
**Temperature:** -20°C to +180°C  
**Pressure:** ≤ 1.2MPa  
**Speed:** ≤ 15m/s
- **Materials:**  
**Stationary Ring:** B, Q2, U2  
**Rotary Ring:** B, Q2, U2  
**Secondary Seal:** V, E, P  
**Spring and Metal Parts:** F, G
- **Applications:** Clean water, sewage water, oil And other moderately corrosive fluids.



## Mechanical Seals for Grundfos Pumps

### ... GLF-6

- **Operational Conditions:**  
**Temperature:** -20°C to +180°C  
**Pressure:** ≤ 1.2MPa  
**Speed:** ≤ 10m/s
- **Materials:**  
**Stationary Ring:** B, Q2, U2  
**Rotary Ring:** Q2, U2, V1  
**Secondary Seal:** V, E, P  
**Spring and Metal Parts:** F, G
- **Applications:** Clean water, sewage water, oil And other moderately corrosive fluids.



规格/Size (公制/Metric)	D2	D1	D3	L1	L	L10
12	19	23	22	31.0	39.0	40.5
16	23	27	26	32.5	40.5	41.5

## O-ring Mechanical Series

... HX 7D

● **Operational Conditions:**

**Temperature:** -30℃ to +200℃

**Pressure:** ≤ 0.8MPa

**Speed:** ≤ 18m/s

● **Materials:**

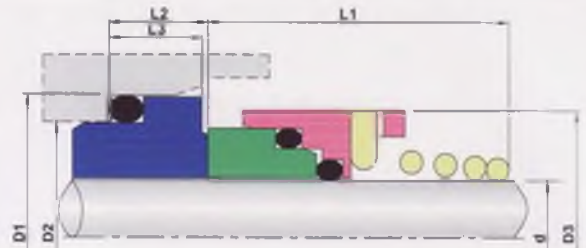
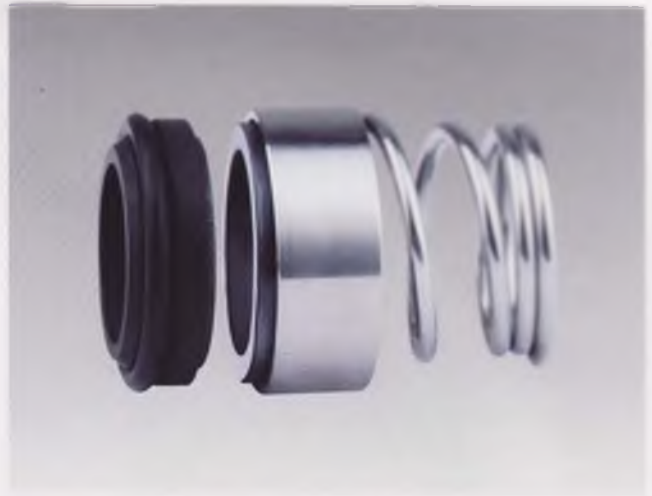
**Stationary Ring:** Q2,U2,B

**Rotary Ring:** Q2,B,U2

**Secondary Seal:** P,E,V

**Spring and Metal Parts:** F,G

● **Applications:** Clean water, sewage water, oil and other moderately corrosive fluids.



规格/Size (公制/Metric)	D1	D2	D3	L1	L2	L3
10	21.00	17.0	19.00	15.00	7.00	4.00
12	23.00	19.0	21.00	18.00	7.00	4.00
14	25.00	21.0	23.00	22.00	7.00	4.00
16	27.00	23.0	26.00	23.00	7.00	4.00
18	33.00	27.0	29.00	24.00	10.00	5.00
20	35.00	29.0	31.00	25.00	10.00	5.00
22	37.00	31.0	33.00	25.00	10.00	5.00
24	39.00	33.0	35.00	27.00	10.00	5.00
25	40.00	34.0	36.00	27.00	10.00	5.00
28	43.00	37.0	40.00	29.00	10.00	5.00
30	45.00	39.0	43.00	30.00	10.00	5.00
32	48.00	42.0	46.00	30.00	10.00	5.00
33	48.00	42.0	46.00	39.00	10.00	5.00
35	50.00	44.0	49.00	39.00	10.00	5.00
38	56.00	49.0	53.00	42.00	13.00	6.00
40	58.00	51.0	56.00	42.00	13.00	6.00
43	61.00	54.0	59.00	47.00	13.00	6.00
45	63.00	56.0	61.00	47.00	13.00	6.00
48	66.00	59.0	64.00	47.00	13.00	6.00
50	70.00	62.0	66.00	46.00	14.00	6.00
53	73.00	65.0	69.00	56.00	14.00	6.00
55	75.00	67.0	71.00	56.00	14.00	6.00
58	78.00	70.0	76.00	56.00	14.00	6.00
60	80.00	72.0	78.00	56.00	14.00	6.00
63	83.00	75.0	81.00	56.00	14.00	6.00
65	85.00	77.0	84.00	66.00	14.00	6.00
68	90.00	81.0	88.00	64.00	16.00	7.00
70	92.00	83.0	89.60	64.00	16.00	7.00
75	97.00	88.0	98.00	64.00	16.00	7.00
80	105.00	95.0	100.00	72.00	18.00	7.00
85	110.00	100.0	107.50	72.00	18.00	7.00
90	115.00	105.0	111.00	72.00	18.00	7.00
95	120.00	110.0	119.00	72.00	18.00	7.00
100	125.00	115.0	123.80	72.00	18.00	7.00



## O-ring Mechanical Series

### ... HX41

● **Operational Conditions:**

Temperature: -20℃ to +180℃

Pressure: ≤ 1.0MPa

Speed: ≤ 15m/s

● **Materials:**

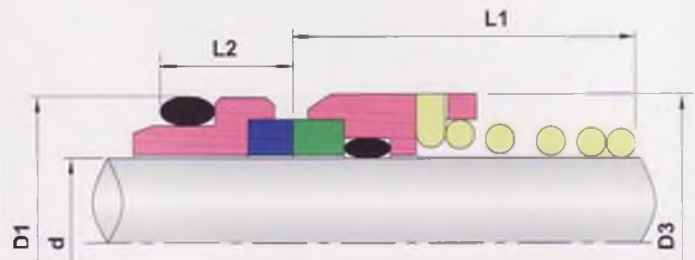
Stationary Ring: Q2,B,A,Q1,U2

Rotary Ring: Q1,U2,Q2

Secondary Seal: P,E,V

Spring and Metal Parts: F,G

● **Applications: Clean water,sewage water,oil and other moderately corrosive fluids.**



规格/Size (公制/Metric)	D3	D1	L2	L1
8	16.0	17.1	5.5	15.2
10	17.5	18.1	5.5	15.2
12	20.0	20.6	5.5	18.2
14	23.0	23.1	6.0	22.2
15	24.0	26.9	7.0	22.2
16	26.0	26.9	7.0	23.2
17	27.0	26.9	7.0	23.2
18	29.0	30.9	8.0	24.2
19	30.0	30.9	8.0	25.2
20	30.0	30.9	8.0	25.2
22	34.0	35.4	8.0	25.2
24	35.0	35.4	8.0	27.2
25	37.0	38.2	8.5	27.2
26	38.0	38.2	8.5	27.2
28	42.0	43.3	9.0	29.2
30	43.0	43.3	9.0	30.2
32	45.0	43.3	9.0	30.2
33	48.0	53.5	11.5	39.2
35	50.0	53.5	11.5	39.2
38	54.0	60.5	11.5	39.2
40	56.0	60.5	11.5	39.2
42	59.0	60.5	11.5	39.2
43	60.0	60.5	11.5	39.2
45	64.0	65.5	11.5	41.2
48	68.0	65.5	11.5	41.2
50	69.0	72.5	11.5	45.2
55	74.0	72.5	11.5	47.2
60	80.0	79.3	11.5	49.2
65	87.0	84.5	11.5	51.2
70	92.0	89.5	11.5	51.2
75	97.0	94.5	11.5	57.2
80	102.0	99.5	11.5	59.2
85	110.0	105.5	13.5	59.2
90	117.0	111.5	13.5	62.2
95	122.0	116.5	13.5	62.2
100	127.0	119.5	13.5	75.2

## O-ring Mechanical Series

... HX80

● **Operational Conditions:**

Temperature: -30℃ to +200℃

Pressure: ≤ 1.2MPa

Speed: ≤ 20m/s

● **Materials:**

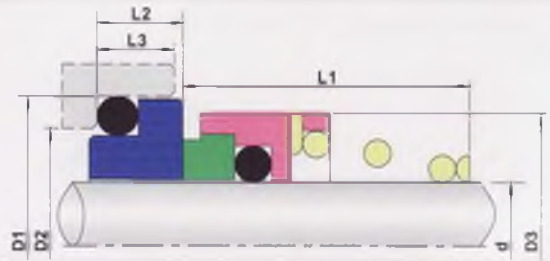
Stationary Ring: Q2,U2,B

Rotary Ring: Q2,V1,U2

Secondary Seal: P,E,V

Spring and Metal Parts: F,G

● **Applications: Clean water, sewage water, oil and other moderately corrosive fluids.**



规格/Size (公制/Metric)	D1	D2	D3	L1	L2	L3
10.0	19.2	15.5	19.0	15.5	6.6	5.0
12.0	21.6	17.5	21.0	15.5	5.6	5.0
14.0	24.6	20.5	23.0	15.5	5.6	5.0
15.0	24.6	20.5	24.0	15.5	6.6	5.0
16.0	28.0	22.0	26.0	17.5	7.5	6.5
18.0	30.0	24.0	29.0	18.5	8.0	6.5
19.0	31.0	25.0	31.0	20.0	7.5	6.5
20.0	35.0	29.5	31.0	20.0	7.5	6.5
22.0	35.0	29.5	33.0	21.5	7.5	6.5
24.0	38.0	32.0	35.0	23.0	7.5	6.5
25.0	38.0	32.0	36.0	24.5	7.5	6.5
26.0	40.0	34.0	37.0	24.5	8.0	6.5
28.0	42.0	36.0	40.0	24.5	9.0	6.5
30.0	45.0	39.2	43.0	24.5	10.5	6.5
32.0	48.0	42.2	46.0	28.0	10.5	6.5
35.0	52.0	46.2	49.0	28.0	11.0	6.5
38.0	55.0	49.2	53.0	31.0	10.3	6.5
40.0	58.0	52.2	56.0	34.0	10.8	6.5
42.0	62.0	53.3	59.0	35.0	12.0	8.0
43.0	62.0	54.3	59.0	35.0	12.0	8.0
45.0	64.0	55.3	61.0	36.5	11.6	8.0
48.0	68.4	59.7	64.0	42.0	11.6	8.0
50.0	69.3	60.8	66.0	43.0	11.6	8.0
55.0	75.4	66.5	71.0	47.0	13.3	8.0
58.0	78.4	69.5	76.0	50.0	13.3	8.0
60.0	80.4	71.5	78.0	51.0	13.3	8.0
65.0	85.4	76.5	84.0	52.0	13.0	8.0
68.0	91.5	82.7	88.0	53.0	13.7	8.0
70.0	92.0	83.0	90.0	54.0	13.0	8.0
75.0	99.0	92.2	98.0	55.0	14.0	8.0
80.0	104.0	95.2	100.0	58.0	15.0	8.0

## O-ring Mechanical Series

... HX80D

● **Operational Conditions:**

**Temperature:** -30℃ to +200℃

**Pressure:** ≤1.2MPa

**Speed:** ≤20m/s

● **Materials:**

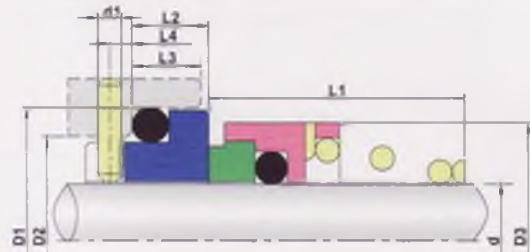
**Stationary Ring:** Q2,U2,B

**Rotary Ring:** Q2,V1,U2

**Secondary Seal:** P,E,V

**Spring and Metal Parts:** F,G

● **Applications:** Clean water, sewage water, oil and other moderately corrosive fluids.



规格/Size (公制/Metric)	D1	D2	D3	L1	L2	L3	d1	L4
10	21.00	17.0	19.00	15.50	10.00	5.50	3.00	5.00
12	23.00	19.0	21.00	16.00	10.00	5.50	3.00	5.00
14	25.00	21.0	23.00	16.50	10.00	5.50	3.00	5.00
16	27.00	23.0	26.00	18.00	10.00	5.50	3.00	5.00
18	33.00	27.0	29.00	19.50	11.50	7.00	3.00	5.00
20	35.00	29.0	31.00	22.00	11.50	7.00	3.00	5.00
22	37.00	31.0	33.00	21.50	11.50	7.00	3.00	5.00
24	39.00	33.0	35.00	23.50	11.50	7.00	3.00	5.00
25	40.00	34.0	36.00	26.50	11.50	7.00	3.00	5.00
28	43.00	37.0	40.00	26.50	11.50	7.00	3.00	5.00
30	45.00	39.0	43.00	26.50	11.50	7.00	3.00	5.00
32	48.00	42.0	46.00	28.50	11.50	7.00	3.00	5.00
35	50.00	44.0	49.00	28.50	11.50	7.00	3.00	5.00
38	56.00	49.0	53.00	33.50	14.00	8.00	4.00	5.00
40	58.00	51.0	56.00	36.00	14.00	8.00	4.00	5.00
43	61.00	54.0	59.00	38.50	14.00	8.00	4.00	5.00
45	63.00	56.0	61.00	39.50	14.00	8.00	4.00	5.00
48	66.00	59.0	64.00	46.00	14.00	8.00	4.00	5.00
50	70.00	62.0	66.00	45.00	15.00	8.50	4.00	5.00
53	73.00	65.0	69.00	47.00	15.00	8.50	4.00	5.00
55	75.00	67.0	71.00	49.00	15.00	8.50	4.00	5.00
58	78.00	70.0	76.00	55.00	15.00	8.50	4.00	5.00
60	80.00	72.0	78.00	55.00	15.00	8.50	4.00	5.00
65	85.00	77.0	84.00	55.00	15.00	8.50	4.00	5.00
68	90.00	81.0	88.00	55.00	18.00	9.50	4.00	5.00
70	92.00	83.0	90.00	57.00	18.00	9.50	4.00	5.00
75	97.00	88.0	98.00	62.00	18.00	9.50	4.00	5.00
80	105.00	95.0	100.00	61.80	18.20	10.00	4.00	5.00



# O-ring Mechanical Series

## ... HX120

● **Operational Conditions:**

Temperature: -40°C to +200°C

Pressure: ≤ 1MPa

Speed: ≤ 15m/s

● **Materials:**

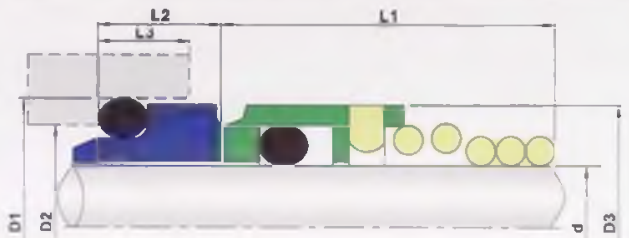
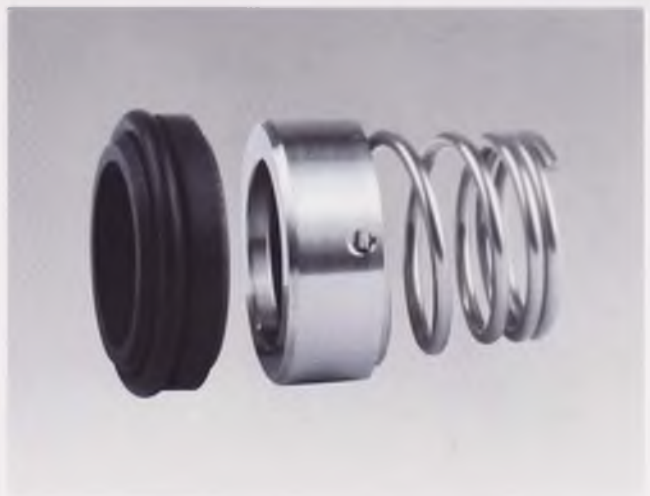
Stationary Ring: Q2,U2,V1

Rotary Ring: Q2,B,U2

Secondary Seal: P,E,V

Spring and Metal Parts: F,G

● **Applications: Clean water, sewage water, oil and other moderately corrosive fluids.**



规格/Size (公制/Metric)	D1	D2	D3	L1	L2	L3
10	18.10	14.0	19.00	15.00	5.50	4.00
11	20.60	16.5	21.00	18.00	5.50	4.00
12	20.60	16.5	21.00	18.00	5.50	4.00
13	23.10	19.0	23.00	22.00	6.00	4.00
14	23.10	19.0	23.00	22.00	6.00	4.00
15	26.90	21.0	24.00	22.00	7.00	5.00
16	26.90	21.0	26.00	23.00	7.00	5.00
18	30.90	25.0	29.00	24.00	7.00	5.00
19	30.90	25.0	31.00	25.00	8.00	5.00
20	30.90	25.0	31.00	25.00	8.00	5.00
21	35.40	30.0	33.00	25.00	8.00	5.50
22	35.40	30.0	33.00	25.00	8.00	5.50
23	35.40	30.0	35.00	27.00	8.00	5.50
24	35.40	30.0	35.00	27.00	8.00	5.50
25	38.20	33.0	36.00	27.00	8.50	5.50
26	38.20	33.0	36.00	27.00	8.50	5.50
28	43.30	38.0	40.00	29.00	9.00	5.50
30	43.30	38.0	43.00	30.00	9.00	5.50
32	43.30	38.0	46.00	30.00	9.00	5.50
33	53.50	45.0	46.00	39.00	11.50	7.50
34	53.50	45.0	49.00	39.00	11.50	7.50
35	53.50	45.0	49.00	39.00	11.50	7.50
36	53.50	45.0	49.00	39.00	11.50	7.50
37	53.50	45.0	49.00	39.00	11.50	7.50
38	60.50	52.0	53.00	39.00	11.50	7.50
40	60.50	52.0	56.00	39.00	11.50	7.50
42	60.50	52.0	59.00	39.00	11.50	7.50
43	60.50	52.0	59.00	39.00	11.50	7.50
44	65.50	57.0	61.00	41.00	11.50	7.50
45	65.50	57.0	61.00	41.00	11.50	7.50
48	65.50	57.0	64.00	41.00	11.50	7.50
50	72.50	64.0	66.00	45.00	11.50	7.50
55	72.50	64.0	71.00	47.00	11.50	7.50
60	79.30	72.0	78.00	49.00	11.50	7.50
65	84.50	77.0	84.00	51.00	11.50	7.50
70	89.50	82.0	89.00	51.00	11.50	7.50
75	94.50	87.0	98.00	57.00	11.50	7.50
80	99.50	92.0	100.00	59.00	11.50	7.50
85	105.50	98.0	107.50	59.00	13.50	8.00
90	111.50	105.0	111.00	62.00	13.50	8.00
95	116.50	110.0	119.00	62.00	13.50	8.00
100	119.50	114.0	123.80	75.00	13.50	8.00

## O-ring Mechanical Series

... HX120D

● **Operational Conditions:**

**Temperature:** -40℃ to +200℃

**Pressure:** ≤1MPa

**Speed:** ≤15m/s

● **Materials:**

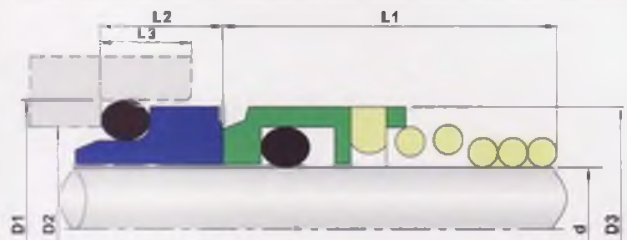
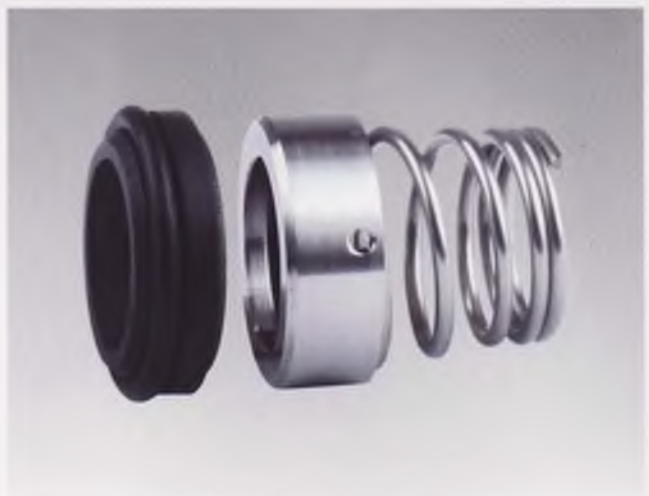
**Stationary Ring:** Q2,U2,V1

**Rotary Ring:** Q2,B,U2

**Secondary Seal:** P,E,V

**Spring and Metal Parts:** F,G

● **Applications:** Clean water, sewage water, oil and other moderately corrosive fluids.



规格/Size (公制/Metric)	D1	D2	D3	L1	L2	L3
10	21.00	17.0	19.00	15.00	7.00	4.00
12	23.00	19.0	21.00	18.00	7.00	4.00
14	25.00	21.0	23.00	22.00	7.00	4.00
16	27.00	23.0	26.00	23.00	7.00	4.00
18	33.00	27.0	29.00	24.00	10.00	5.00
20	35.00	29.0	31.00	25.00	10.00	5.00
22	37.00	31.0	33.00	25.00	10.00	5.50
24	39.00	33.0	35.00	27.00	10.00	5.50
25	40.00	34.0	36.00	27.00	10.00	5.50
28	43.00	37.0	40.00	29.00	10.00	5.50
30	45.00	39.0	43.00	30.00	10.00	5.50
32	48.00	42.0	46.00	30.00	10.00	5.50
33	48.00	42.0	46.00	39.00	10.00	5.50
35	50.00	44.0	49.00	39.00	10.00	5.50
38	56.00	49.0	53.00	42.00	13.00	6.00
40	58.00	51.0	56.00	42.00	13.00	6.00
43	61.00	54.0	59.00	47.00	13.00	6.00
45	63.00	56.0	61.00	47.00	13.00	6.00
48	66.00	59.0	64.00	47.00	13.00	6.00
50	70.00	62.0	66.00	46.00	14.00	6.00
53	73.00	65.0	69.00	56.00	14.00	6.00
55	75.00	67.0	71.00	56.00	14.00	6.00
58	78.00	70.0	76.00	56.00	14.00	6.00
60	80.00	72.0	78.00	56.00	14.00	6.00
63	83.00	75.0	81.00	56.00	14.00	6.00
65	85.00	77.0	84.00	66.00	14.00	6.00
68	90.00	81.0	88.00	64.00	16.00	7.00
70	92.00	83.0	89.60	64.00	16.00	7.00
75	97.00	88.0	98.00	64.00	16.00	7.00
80	105.00	95.0	100.00	72.00	18.00	7.00
85	110.00	100.0	107.50	72.00	18.00	7.00
90	115.00	105.0	111.00	72.00	18.00	7.00
95	120.00	110.0	119.00	72.00	18.00	7.00
100	125.00	115.0	123.80	72.00	18.00	7.00

## O-ring Mechanical Series

### ... HXM2N

- **Operational Conditions:**

**Temperature:** -20℃ to +180℃

**Pressure:** ≤ 2.5MPa

**Speed:** ≤ 15m/s

- **Materials:**

**Stationary Ring:** V1,Q1,Q2,U2,B,A

**Rotary Ring:** B,A,Q1,Q2,U2

**Secondary Seal:** P,E,V,M1,M2

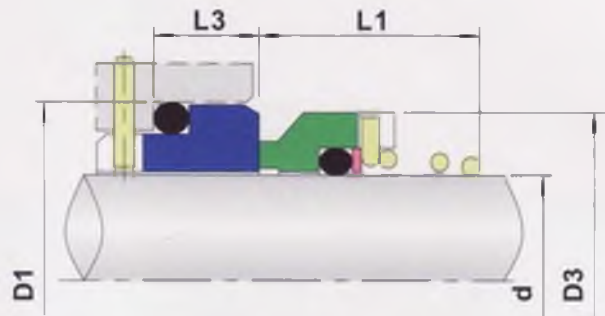
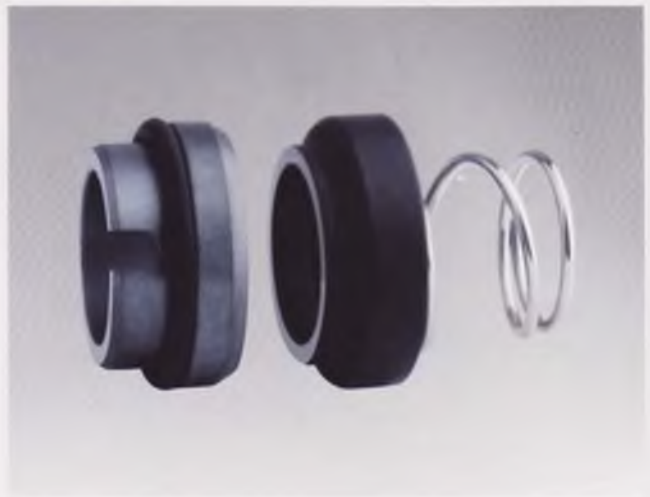
**Spring and Metal Parts:** F,G,

- **Seat Types:**

**Standard:** G9

**Alternative:** G92

- **Applications:** Clean water, sewage water,  
Oil and other moderately corrosive fluids.



规格/Size (公制/Metric)	D3	D1	L1	L3
10	20	21	17.5	10.0
12	22	23	17.5	10.0
14	25	25	17.5	10.0
16	27	27	19.5	10.0
18	30	33	20.5	11.5
20	32	35	22.0	11.5
22	35	37	23.5	11.5
24	38	39	25.0	11.5
25	40	40	26.5	11.5
28	43	43	26.5	11.5
30	47	45	25.0	11.5
32	48	48	28.5	11.5
35	53	50	28.5	11.5
38	56	56	32.0	14.0

规格/Size (英制/Inch)	D3	D1	L1	L3
0.394	0.787	0.827	0.689	0.394
0.472	0.866	0.906	0.689	0.394
0.551	0.984	0.984	0.689	0.394
0.630	1.063	1.063	0.768	0.394
0.709	1.181	1.299	0.807	0.453
0.787	1.260	1.378	0.866	0.453
0.866	1.378	1.457	0.925	0.453
0.945	1.496	1.535	0.984	0.453
0.984	1.575	1.575	1.043	0.453
1.102	1.693	1.693	1.043	0.453
1.181	1.772	1.772	0.984	0.453
1.260	1.850	1.890	1.122	0.453
1.378	1.969	1.969	1.122	0.453
1.496	2.205	2.205	1.260	0.551



## O-ring Mechanical Series

### ... HXM3, M3A

- **Operational Conditions:**

Temperature:  $-20^{\circ}\text{C}$  to  $+180^{\circ}\text{C}$

Pressure:  $\leq 1\text{MPa}$

Speed:  $\leq 15\text{m/s}$

- **Materials:**

Stationary Ring: V1, Q2, Q1, U2, B, A

Rotary Ring: B, A, Q1, Q2, F, G

Secondary Seal: P, E, V, M1, M2

Spring and Metal Parts: F, G, M

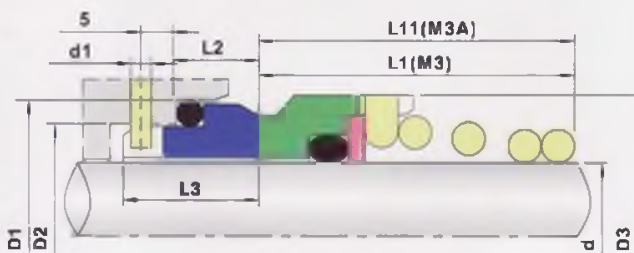
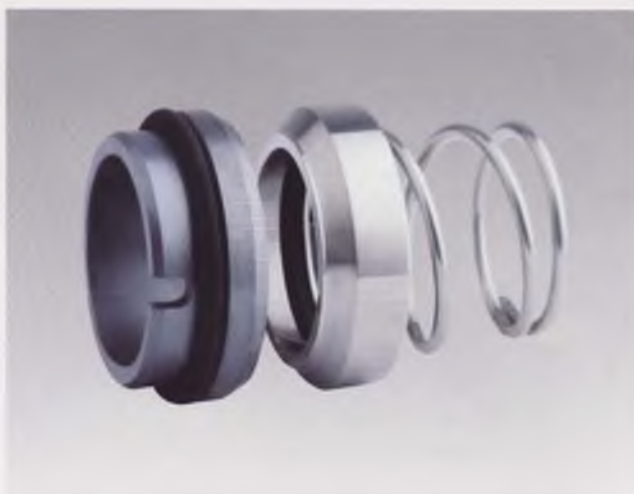
- **Seat Type:**

Standard: G9

Alternative: G6, G4, G13

- **Applications: Clean water, sewage water,**

**Oil and other moderately corrosive fluids.**



规格/Size (公制/Metric)	d	D3	D2	D1	d1	L1	L11	L2	L3
10	10	19	17	21	3	15.5	15.5	10.0	17.5
12	12	21	19	23	3	16.0	15.5	10.0	17.5
14	14	23	21	25	3	16.5	15.5	10.0	17.5
16	16	26	23	27	3	18.0	17.5	10.0	17.5
18	18	29	27	33	3	19.5	18.5	11.5	19.5
20	20	31	29	35	3	22.0	20.0	11.5	19.5
22	22	33	31	37	3	21.5	21.5	11.5	19.5
24	24	35	33	39	3	23.5	23.0	11.5	19.5
25	25	36	34	40	3	26.5	24.5	11.5	19.5
28	28	40	37	43	3	26.5	24.5	11.5	19.5
30	30	43	39	45	3	26.5	24.5	11.5	19.5
32	32	46	42	48	3	28.5	28.0	11.5	19.5
33	33	47	42	48	3	28.5	-	11.5	19.5
35	35	49	44	50	3	28.5	28.0	11.5	19.5
38	38	53	49	56	4	33.5	31.0	14.0	22.0
40	40	56	51	58	4	36.0	34.0	14.0	22.0
43	43	59	54	61	4	38.5	-	14.0	22.0
45	45	61	56	63	4	39.5	36.5	14.0	22.0
48	48	64	59	66	4	46.0	42.0	14.0	22.0
50	50	66	62	70	4	45.0	43.0	15.0	23.0
53	53	69	65	73	4	47.0	-	15.0	23.0
55	55	71	67	75	4	49.0	47.0	15.0	23.0
58	58	76	70	78	4	55.0	50.0	15.0	23.0
60	60	78	72	80	4	55.0	51.0	15.0	23.0
63	63	83	75	83	4	55.0	-	15.0	23.0
65	65	84	77	85	4	55.0	52.0	15.0	23.0
68	68	88	81	90	4	55.0	53.0	18.0	26.0
70	70	90	83	92	4	57.0	54.0	18.0	26.0
75	75	98	88	97	4	62.0	55.0	18.0	26.0
80	80	100	95	105	4	61.8	58.0	18.2	26.2

## O-ring Mechanical Series

### ... HXM37, M37G

- **Operational Conditions:**

**Temperature:** -20 °C to +180 °C

**Pressure:** ≤ 1MPa

**Speed:** ≤ 15m/s

- **Materials:**

**Stationary Ring:** V1,Q2,Q1,U2,B,A

**Rotary Ring:** B,A,Q1,Q2

**Secondary Seal:** P,E,V,M1,M2

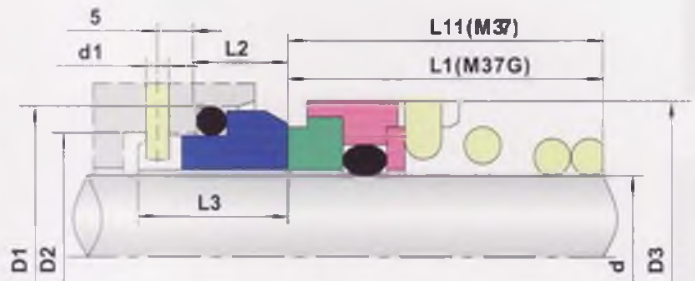
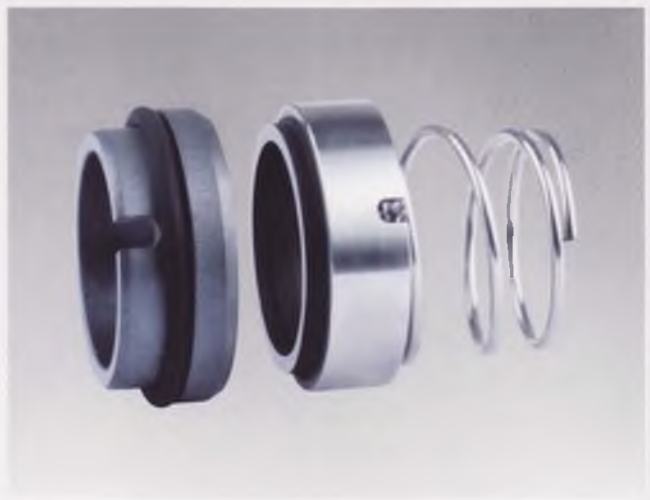
**Spring and Metal Parts:** F,G,M

- **Seat Type:**

**Standard:** G9

**Alternative:** G6, G4, G13

- **Applications:** Clean water, sewage water,  
Oil and other moderately corrosive fluids.



规格/Size (公制/Metric)	d	D3	D2	D1	d1	L1	L11	L2	L3
10	10	20	17	21	3	16.9	-	10.0	17.5
12	12	22	19	23	3	17.4	-	10.0	17.5
14	14	24	21	25	3	17.4	16.5	10.0	17.5
16	16	26	23	27	3	19.5	16.5	10.0	17.5
18	18	31	27	33	3	20.5	18.0	11.5	19.5
20	20	34	29	35	3	22.0	19.0	11.5	19.5
22	22	36	31	37	3	23.5	20.5	11.5	19.5
24	24	38	33	39	3	25.0	22.0	11.5	19.5
25	25	39	34	40	3	26.5	23.5	11.5	19.5
28	28	42	37	43	3	26.5	24.5	11.5	19.5
30	30	44	39	45	3	25.0	24.5	11.5	19.5
32	32	46	42	48	3	28.5	28.0	11.5	19.5
33	33	47	42	48	3	-	-	11.5	19.5
35	35	49	44	50	3	28.5	28.0	11.5	19.5
38	38	54	49	56	4	32.2	31.0	14.0	22.0
40	40	56	51	58	4	34.7	34.0	14.0	22.0
43	43	59	54	61	4	-	-	14.0	22.0
45	45	61	56	63	4	39.2	36.5	14.0	22.0
48	48	64	59	66	4	44.7	42.0	14.0	22.0
50	50	66	62	70	4	45.7	43.0	15.0	23.0
53	53	69	65	73	4	-	-	15.0	23.0
55	55	71	67	75	4	49.0	47.0	15.0	23.0
58	58	78	70	78	4	52.0	50.0	15.0	23.0
60	60	79	72	80	4	53.0	51.0	15.0	23.0
63	63	83	75	83	4	-	-	15.0	23.0
65	65	85	77	85	4	54.3	52.0	15.0	23.0
68	68	88	81	90	4	55.3	52.7	18.0	26.0
70	70	90	83	92	4	56.3	54.0	18.0	26.0
75	75	98	88	97	4	56.3	54.0	18.0	26.0
80	80	103	95	105	4	59.3	58.0	18.2	26.2

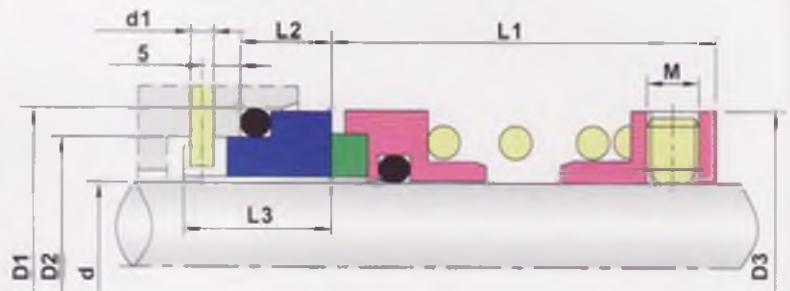




# O-ring Mechanical Series

... HX1527

- **Operational Conditions:**
  - Temperature: -20℃ to +180℃
  - Pressure: ≤ 1.0MPa
  - Speed: ≤ 15m/s
- **Materials:**
  - Stationary Ring: V1,Q1,Q2,U2
  - Rotary Ring: B,A,Q1,Q2
  - Secondary Seal: P,E,V
  - Spring and Metal Parts: F,G,M
- **Seat Types:**
  - Standard: 24DINL
  - Alternative: G6, G9
- **Alternative: For use in oil or chemical flow pumps, vessel pumps and so on.**



规格/Size (公制/Metric)	d	D3	D2	D1	d1	L1	L2	L3
18	18	32	27	33	3	35.0	10.0	17.0
20	20	34	29	35	3	35.0	10.0	17.0
22	22	36	31	37	3	35.0	10.0	17.0
24	24	38	33	39	3	40.0	10.0	17.0
25	25	39	34	40	3	40.0	10.0	17.0
28	28	42	37	43	3	40.0	10.0	17.0
30	30	44	39	45	3	40.0	10.0	17.0
32	32	46	42	48	3	45.0	10.0	17.0
33	33	47	42	48	3	45.0	10.0	17.0
35	35	49	44	50	3	45.0	10.0	17.0
38	38	54	49	56	4	44.0	11.0	18.0
40	40	56	51	58	4	44.0	11.0	18.0
43	43	59	54	61	4	49.0	11.0	18.0
45	45	61	56	63	4	49.0	11.0	18.0
48	48	64	59	66	4	49.0	11.0	18.0
50	50	66	62	70	4	47.0	13.0	20.0
53	53	69	65	73	4	57.0	13.0	20.0
55	55	71	67	75	4	57.0	13.0	20.0
58	58	78	70	78	4	57.0	13.0	20.0
60	60	80	72	80	4	57.0	13.0	20.0
63	63	83	75	83	4	57.0	13.0	20.0
65	65	85	77	85	4	67.0	13.0	20.0
68	68	88	81	90	4	64.7	15.3	22.0
70	70	90	83	92	4	64.7	15.3	22.0
75	75	99	88	97	4	64.7	15.3	22.0
80	80	104	95	105	4	74.3	15.7	22.5
85	85	109	100	110	4	74.3	15.7	22.5
90	90	114	105	115	4	74.3	15.7	22.5
95	95	119	110	120	4	74.3	15.7	22.5
100	100	124	115	125	4	74.3	15.7	22.5

## O-ring Mechanical Series

... HX250

- **Operational Conditions:**

**Temperature:** -20℃ to +180℃

**Pressure:** ≤ 1MPa

**Speed:** ≤ 15m/s

- **Materials:**

**Stationary Ring:** B,A,Q1,Q2,U2

**Rotary Ring:** Q1,U2,Q2

**Secondary Seal:** P,E,V

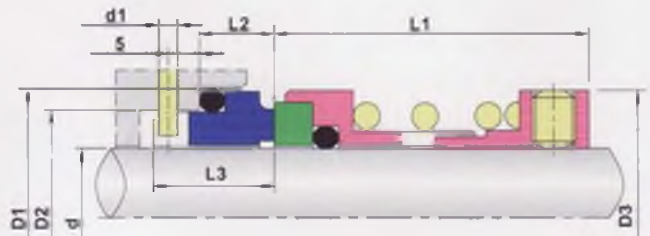
**Spring and Metal Parts:** F,G

- **Seat Type:**

**Alternative:** G9

- **Applications:** Clean water, sewage water,

**Oil and other moderately corrosive fluids.**



规格/Size (公制/Metric)	d	D3	D2	D1	d1	L1	L2	L3
20	20	34	29	35	3	41	13	21
22	22	36	31	37	3	41	13	21
24	24	38	33	39	3	43	13	21
25	25	39	34	40	3	43	13	21
28	28	42	37	43	3	45	13	21
30	30	44	39	45	3	45	13	21
32	32	46	42	48	3	45	13	21
33	33	47	42	48	3	45	13	21
35	35	49	44	50	3	49	13	21
38	38	54	50	56	4	53	13	21
40	40	56	52	58	4	55	13	21
43	43	59	55	61	4	55	13	21
45	45	61	57	63	4	55	13	21
48	48	64	60	66	4	55	13	21
50	50	66	62	68	4	60	13	21
53	53	69	65	71	4	61	13	21
55	55	71	67	73	4	61	13	21
58	58	76	70	79	4	63	16	24
60	60	78	72	81	4	63	16	24
63	63	81	75	84	4	63	16	24
65	65	83	77	86	4	67	16	24
68	68	87	81	90	4	67	16	24
70	70	90	83	92	4	68	16	24
75	75	95	83	97	4	72	16	24
80	80	100	96	105	4	72	16	24
85	85	105	101	110	4	77	16	24
90	90	112	106	115	4	77	16	24
95	95	119	111	120	4	82	16	24
100	100	124	116	125	4	82	16	24

# O-ring Mechanical Series

## ... HX950

● **Operational Conditions:**

Temperature: -50 °C to +200 °C

Pressure: ≤ 1MPa

Speed: ≤ 20m/s

● **Materials:**

Stationary Ring: Q2, B, U2

Rotary Ring: U22, Q22

Secondary Seal: P, E, N, V, A, Ias

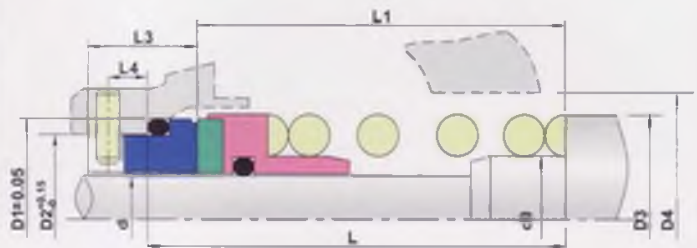
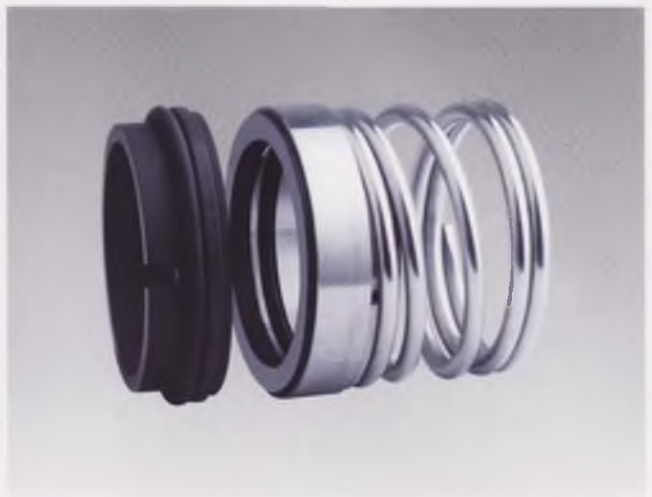
Spring and Metal Parts: F, G

● **Applications: Clean water, sewage water,**

Oil and other moderately corrosive fluids.

● **Design: 950, 960 and 970 only differ**

in the drive mechanism from the shaft to the rotary seal face. 950 is drive directly from the shaft.



規格/Size (公制/Metric)	D1	D2	D3	D4	d0	L	L1	L3	L4
20	33.32	29.06	34.5	37.0	24.00	36.5	27.5	15.0	4.0
25	39.85	33.84	41.0	43.0	28.57	40.0	30.0	16.0	4.0
28	43.05	37.01	42.0	46.0	31.75	41.5	31.5	16.0	4.0
30	44.63	38.61	45.5	47.5	33.32	41.5	31.5	16.0	4.0
32	46.32	40.28	47.0	49.0	34.92	44.5	34.5	16.0	4.0
35	49.48	43.46	50.0	52.5	38.10	47.5	37.5	16.0	4.0
38	52.56	46.63	53.0	55.5	42.88	47.5	37.5	16.0	4.0
40	54.25	48.13	55.0	57.0	44.45	47.5	37.5	16.0	4.0
42	55.83	49.81	55.5	58.5	46.02	47.5	37.5	16.0	4.0
45	59.02	52.98	60.0	62.0	49.20	47.5	37.5	16.0	4.0
50	65.37	59.33	66.0	68.5	53.97	55.5	45.5	18.0	5.0
55	70.03	64.01	71.0	73.0	58.72	57.0	47.0	18.0	5.0
60	76.38	70.36	77.0	81.0	65.07	60.5	50.5	18.0	5.0
65	81.23	75.21	82.0	85.5	69.85	63.5	53.5	18.0	5.0
70	85.90	79.88	87.0	90.5	74.60	63.5	53.5	18.0	5.0
75	90.77	84.73	91.5	97.0	79.37	66.6	56.6	18.0	5.0
80	100.29	94.26	99.5	103.0	85.73	73.0	63.0	18.0	5.0
85	104.77	98.93	105.5	108.0	90.00	73.0	63.0	18.0	5.0
90	109.82	103.78	110.5	114.5	95.25	78.0	68.0	18.0	5.0
95	114.30	108.46	115.5	119.0	100.00	78.0	68.0	18.0	5.0
100	119.33	113.31	120.0	124.0	104.77	78.0	68.0	18.0	5.0
105	127.00	121.16	128.0	132.0	111.00	82.5	72.5	18.0	5.0
110	131.77	126.01	133.0	137.0	116.00	82.5	72.5	18.0	5.0
115	136.52	130.68	137.5	142.00	121.0	82.5	72.5	18.0	5.0
120	142.87	137.03	144.0	147.00	126.0	89.0	79.0	18.0	5.0

規格/Size (英制/Inch)	D1	D2	D3	D4	d0	L	L1	L3	L4
0.625	28.57	24.31	29.00	31.5	19.05	33.5	24.5	15.0	4.0
0.750	31.75	27.48	32.50	35.0	22.22	33.5	24.5	15.0	4.0
0.875	34.93	30.66	34.93	38.0	25.40	35.0	26.0	15.0	4.0
1.000	39.85	33.84	38.10	43.0	28.57	40.0	30.0	16.0	4.0
1.125	43.05	37.01	42.86	46.0	31.75	41.5	31.5	16.0	4.0
1.250	46.32	40.28	46.00	49.0	34.92	44.5	34.5	16.0	4.0
1.375	49.48	43.46	49.21	52.5	38.10	47.5	37.5	16.0	4.0
1.500	52.56	46.63	52.39	55.5	42.88	47.5	37.5	16.0	4.0
1.625	55.83	49.81	55.50	58.5	46.02	47.5	37.5	16.0	4.0
1.750	59.02	52.98	58.74	62.0	49.20	47.5	37.5	16.0	4.0
1.875	63.68	57.66	61.91	66.5	52.37	52.5	42.5	18.0	5.0
2.000	66.85	60.83	66.68	70.0	55.57	55.5	45.5	18.0	5.0
2.125	70.03	64.01	69.85	73.0	58.72	57.0	47.0	18.0	5.0
2.250	73.20	67.18	73.02	76.0	61.90	57.0	47.0	18.0	5.0
2.375	76.38	70.36	76.20	81.0	65.07	60.5	50.5	18.0	5.0
2.500	79.56	73.53	79.38	84.0	68.28	60.5	50.5	18.0	5.0
2.625	82.73	76.71	82.55	87.5	71.42	63.5	53.5	18.0	5.0
2.750	85.90	79.88	85.72	90.5	74.60	63.5	53.5	18.0	5.0
2.875	89.08	83.06	90.00	95.5	77.77	66.5	56.5	18.0	5.0
3.000	95.43	89.41	95.25	98.5	80.97	73.0	63.0	18.0	5.0
3.250	101.78	95.76	101.60	105.0	87.30	73.0	63.0	18.0	5.0
3.500	108.13	102.11	107.95	111.0	93.67	73.0	63.0	18.0	5.0
4.000	124.00	117.98	124.50	128.5	107.95	82.5	72.5	18.0	5.0



# O-ring Mechanical Series

... HX960

● **Operational Conditions:**

Temperature: -50℃ to +200℃

Pressure: ≤ 1.0MPa

Speed: ≤ 20m/s

● **Materials:**

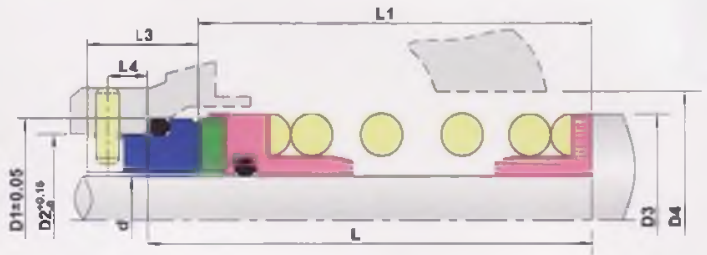
Stationary Ring: Q2,B,U2

Rotary Ring: U22, Q22

Secondary Seal: P,E,N,V,A,fls

Spring and Metal Parts: F,G

● **Applications: Clean water, sewage water,  
Oil and other moderately corrosive fluids.**



規格/Size (公制/Metric)	D1	D2	D3	D4	L	L1	L3	L4
20	33.32	29.06	34.5	37.0	38.0	29.9	15.0	4.0
25	39.85	33.84	41.0	43.0	41.5	31.5	16.0	4.0
28	43.05	37.01	42.0	46.0	43.0	33.0	16.0	4.0
30	44.63	38.61	45.5	47.5	43.0	33.0	16.0	4.0
32	46.32	40.28	47.0	49.0	46.0	36.0	16.0	4.0
35	49.48	43.46	50.0	52.5	49.0	39.0	16.0	4.0
38	52.56	46.63	53.0	55.5	49.0	39.0	16.0	4.0
40	54.25	48.13	55.0	57.0	49.0	39.0	16.0	4.0
42	55.83	49.81	55.5	58.5	49.0	39.0	16.0	4.0
45	59.02	52.98	60.0	62.0	49.0	39.0	16.0	4.0
50	65.37	59.33	66.0	68.5	57.0	47.0	18.0	5.0
55	70.03	64.01	71.0	73.0	58.5	48.5	18.0	5.0
60	76.38	70.36	77.0	81.0	62.0	52.0	18.0	5.0
65	81.23	75.21	82.0	85.5	65.0	55.0	18.0	5.0
70	85.90	79.88	87.0	90.5	65.0	55.0	18.0	5.0
75	90.77	84.73	91.5	97.0	70.0	60.0	18.0	5.0
80	100.29	94.26	99.5	103.0	76.0	66.0	18.0	5.0
85	104.77	98.93	105.5	108.0	76.0	66.0	18.0	5.0
90	109.82	103.78	110.5	114.5	81.0	71.0	18.0	5.0
95	114.30	108.46	115.5	119.0	81.0	71.0	18.0	5.0
100	119.33	113.31	120.0	124.0	81.0	71.0	18.0	5.0
105	127.00	121.16	128.0	132.0	85.5	75.5	18.0	5.0
110	131.77	126.01	133.0	137.0	85.5	75.5	18.0	5.0
115	136.52	130.68	137.5	142.00	85.5	75.5	18.0	5.0
120	142.87	137.03	144.0	147.00	92.0	82.0	18.0	5.0

規格/Size (英制/Inch)	D1	D2	D3	D4	L	L1	L3	L4
0.625	28.57	24.31	29.00	31.5	35.0	26.0	15.0	4.0
0.750	31.75	27.48	32.50	35.0	35.0	26.0	15.0	4.0
0.875	34.93	30.66	34.93	38.0	36.5	27.5	15.0	4.0
1.000	39.85	33.84	38.10	43.0	41.5	31.5	16.0	4.0
1.125	43.05	37.01	42.86	46.0	43.0	33.0	16.0	4.0
1.250	46.32	40.28	46.00	49.0	46.0	36.0	16.0	4.0
1.375	49.48	43.46	49.21	52.5	49.0	39.0	16.0	4.0
1.500	52.56	46.63	52.39	55.5	49.0	39.0	16.0	4.0
1.625	55.83	49.81	55.50	58.5	49.0	39.0	16.0	4.0
1.750	59.02	52.98	58.74	62.0	49.0	39.0	16.0	4.0
1.875	63.68	57.66	61.91	66.5	54.0	44.0	18.0	5.0
2.000	66.85	60.83	66.68	70.0	57.0	47.0	18.0	5.0
2.125	70.03	64.01	69.85	73.0	58.5	48.5	18.0	5.0
2.250	73.20	67.18	73.02	76.0	58.5	48.5	18.0	5.0
2.375	76.38	70.36	76.20	81.0	62.0	52.0	18.0	5.0
2.500	79.56	73.53	79.38	84.0	62.0	52.0	18.0	5.0
2.625	82.73	76.71	82.55	87.5	65.0	55.0	18.0	5.0
2.750	85.90	79.88	85.72	90.5	65.0	55.0	18.0	5.0
2.875	89.08	83.06	90.00	95.5	70.0	60.0	18.0	5.0
3.000	95.43	89.41	95.25	98.5	76.0	66.0	18.0	5.0
3.250	101.78	95.76	101.60	105.0	76.0	66.0	18.0	5.0
3.500	108.13	102.11	107.95	111.0	76.0	66.0	18.0	5.0
4.000	124.00	117.98	124.50	128.5	85.5	75.5	18.0	5.0

# O-ring Mechanical Series

... HX970

● **Operational Conditions:**

Temperature: -50°C to +200°C

Pressure: ≤ 1.0MPa

Speed: ≤ 20m/s

● **Materials:**

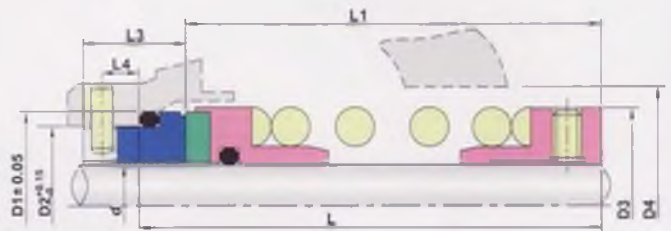
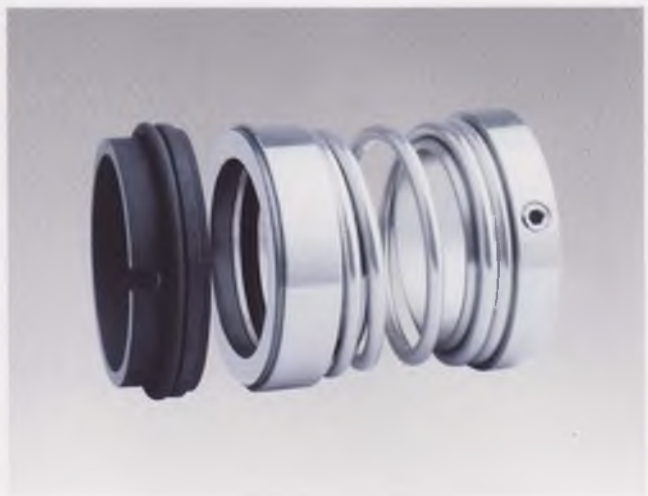
Stationary Ring: Q2,B,U2

Rotary Ring: U22, Q22

Secondary Seal: P,E,V,A,fls

Spring and Metal Parts: F,G

● **Applications: Clean water, sewage water,  
Oil and other moderately corrosive fluids.**



規格/Size (公制/Metric)	D1	D2	D3	D4	L	L1	L3	L4
20	33.32	29.06	34.5	37.0	44.5	35.5	15.0	4.0
25	39.85	33.84	41.0	43.0	49.0	39.0	16.0	4.0
28	43.05	37.01	42.0	46.0	51.0	41.0	16.0	4.0
30	44.63	38.61	45.5	47.5	51.0	41.0	16.0	4.0
32	46.32	40.28	47.0	49.0	54.0	44.0	16.0	4.0
35	49.48	43.46	50.0	52.5	57.0	47.0	16.0	4.0
38	52.56	46.63	53.0	55.5	57.0	47.0	16.0	4.0
40	54.25	48.13	55.0	57.0	57.0	47.0	16.0	4.0
42	55.83	49.81	55.5	58.5	57.0	47.0	16.0	4.0
45	59.02	52.98	60.0	62.0	57.0	47.0	16.0	4.0
50	65.37	59.33	66.0	68.5	68.5	58.5	18.0	5.0
55	70.03	64.01	71.0	73.0	70.0	60.0	18.0	5.0
60	76.38	70.36	77.0	81.0	73.0	63.0	18.0	5.0
65	81.23	75.21	82.0	85.5	76.0	66.0	18.0	5.0
70	85.90	79.88	87.0	90.5	76.0	66.0	18.0	5.0
75	90.77	84.73	91.5	97.0	81.0	71.0	18.0	5.0
80	100.29	94.26	99.5	103.0	87.5	77.5	18.0	5.0
85	104.77	98.93	105.5	108.0	87.5	77.5	18.0	5.0
90	109.82	103.78	110.5	114.5	92.0	82.0	18.0	5.0
95	114.30	108.46	115.5	119.0	92.0	82.0	18.0	5.0
100	119.33	113.31	120.0	124.0	92.0	82.0	18.0	5.0
105	127.00	121.16	128.0	132.0	98.5	88.5	18.0	5.0
110	131.77	126.01	133.0	137.0	85.5	88.5	18.0	5.0
115	136.52	130.68	137.5	142.00	85.5	88.5	18.0	5.0
120	142.87	137.03	144.0	147.00	105.0	95.0	18.0	5.0

規格/Size (英制/Inch)	D1	D2	D3	D4	L	L1	L3	L4
0.625	28.57	24.31	29.00	31.5	41.5	32.5	15.0	4.0
0.750	31.75	27.48	32.50	35.0	41.5	32.5	15.0	4.0
0.875	34.93	30.66	34.93	38.0	44.5	35.5	15.0	4.0
1.000	39.85	33.84	38.10	43.0	49.0	39.0	16.0	4.0
1.125	43.05	37.01	42.86	46.0	51.0	41.0	16.0	4.0
1.250	46.32	40.28	46.00	49.0	54.0	44.0	16.0	4.0
1.375	49.48	43.46	49.21	52.5	57.0	47.0	16.0	4.0
1.500	52.56	46.63	52.39	55.5	57.0	47.0	16.0	4.0
1.625	55.83	49.81	55.50	58.5	57.0	47.0	16.0	4.0
1.750	59.02	52.98	58.74	62.0	57.0	47.0	16.0	4.0
1.875	63.68	57.66	61.91	66.5	65.0	55.0	18.0	5.0
2.000	66.85	60.83	66.68	70.0	68.5	58.5	18.0	5.0
2.125	70.03	64.01	69.85	73.0	70.0	60.0	18.0	5.0
2.250	73.20	67.18	73.02	76.0	70.0	60.0	18.0	5.0
2.375	76.38	70.36	76.20	81.0	73.0	63.0	18.0	5.0
2.500	79.56	73.53	79.38	84.0	73.0	63.0	18.0	5.0
2.625	82.73	76.71	82.55	87.5	76.0	66.0	18.0	5.0
2.750	85.90	79.88	85.72	90.5	76.0	66.0	18.0	5.0
2.875	89.08	83.06	90.00	95.5	81.0	71.0	18.0	5.0
3.000	95.43	89.41	95.25	98.5	87.5	77.5	18.0	5.0
3.250	101.78	95.76	101.60	105.0	87.5	77.5	18.0	5.0
3.500	108.13	102.11	107.95	111.0	87.5	77.5	18.0	5.0
4.000	124.00	117.98	124.50	128.5	98.5	88.5	18.0	5.0

## O-ring Mechanical Series

### ... HXUS2

- **Operational Conditions:**

**Temperature:** -20℃ to +180℃

**Pressure:** ≤ 1.0MPa

**Speed:** ≤ 15m/s

- **Materials:**

**Stationary Ring:** B,A1,Q1,Q2,U2

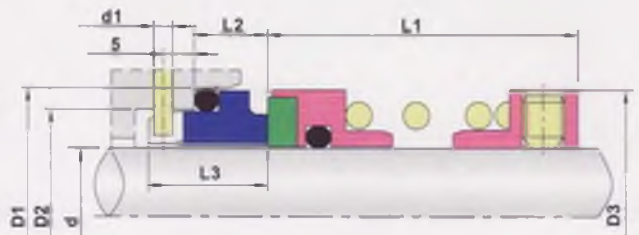
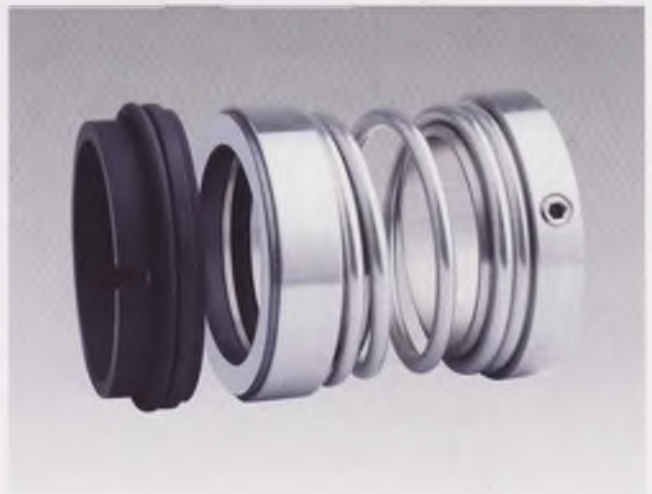
**Rotary Ring:** F,Q1,U2,Q2

**Secondary Seal:** P,E,V

**Spring and Metal Parts:** F,G

- **Applications:** Clean water, sewage water,

**Oil and other moderately corrosive fluids.**



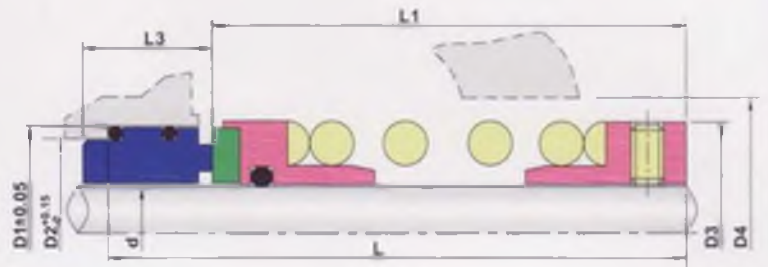
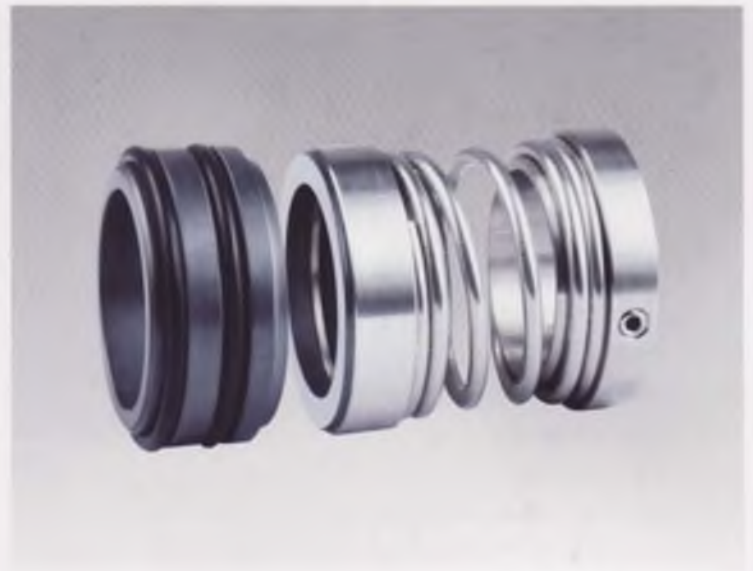
规格/Size (公制/Metric)	d	D3	D2	D1	d1	L1	L2	L3
20	20	34.5	29.06	33.32	-	37.3	7.2	9.4
25	25	41.0	33.83	39.67	-	40.0	9.2	11.4
30	30	45.5	38.61	44.45	-	41.6	9.2	11.4
35	35	50.0	43.46	49.20	-	48.0	9.2	11.4
38	38	53.0	46.30	52.00	-	62.3	9.2	11.4
40	40	55.0	48.13	53.97	-	48.0	9.2	11.4
45	45	60.0	52.98	58.72	-	48.0	9.2	11.4
50	50	66.0	59.33	65.07	3	59.1	9.2	17.7
55	55	71.0	64.01	69.85	3	60.7	9.2	17.7
60	60	77.0	70.36	76.20	3	63.8	9.2	17.7
65	65	82.0	75.21	80.97	3	67.0	9.2	17.7
70	70	88.0	79.88	85.72	3	67.0	9.2	17.7
75	75	92.0	84.73	90.47	3	71.8	9.2	20.9
80	80	99.5	92.58	98.42	3	78.1	9.2	20.9
85	85	105.5	98.93	104.77	4	78.1	9.2	20.9
90	90	110.5	103.78	109.52	4	82.9	9.2	20.9
95	95	115.5	108.46	114.30	4	82.9	9.2	20.9
100	100	121.0	113.31	119.07	4	82.9	9.2	20.9
105	105	129.0	121.16	127.00	4	89.2	9.2	20.9
110	110	134.0	126.01	131.77	4	89.2	9.2	20.9
115	115	139.0	130.68	136.52	4	89.2	9.2	20.9
120	120	144.0	137.03	142.87	4	95.5	9.2	20.9
125	125	149.0	141.80	147.60	4	98.0	9.8	21.5
130	130	156.5	146.50	152.16	4	100.0	9.8	21.5
135	135	162.0	151.60	157.20	4	102.0	9.8	21.5
140	140	169.0	156.18	161.93	4	105.0	9.8	21.5
145	145	178.0	167.50	177.00	4	113.3	18.7	47.7
150	150	184.0	172.50	182.00	4	117.3	18.7	47.7



# O-ring Mechanical Series

... HX980

- **Operational Conditions:**  
**Temperature:** -50℃ to+200℃  
**Pressure:** ≤ 1.0MPa  
**Speed:** ≤ 20m/s
- **Materials:**  
**Stationary Ring:** Q2,B,U2  
**Rotary Ring:** U22, Q22  
**Secondary Seal:** P,E,V,Aflas  
**Spring and Metal Parts:** F,G
- **Applications:** Clean water, sewage water,  
**Oil and other moderately corrosive fluids.**



规格/Size (公制/Metric)	Code	D1	D2	D3	D4	L	L1	L3
20	0200	37.0	31.0	34.50	40.0	61.0	38.0	24.0
22	0220	39.0	33.0	34.93	42.0	61.0	38.0	24.0
25	0250	40.0	34.0	41.00	45.0	61.0	38.0	24.0
28	0282	44.0	38.0	42.00	48.0	63.0	40.0	24.0
30	0300	47.0	41.0	45.50	53.0	64.0	40.0	26.0
32	0320	48.0	42.0	47.00	55.0	64.0	40.0	26.0
35	0350	51.0	45.0	50.00	58.0	64.0	40.0	26.0
38	0380	54.0	48.0	53.00	62.0	69.0	45.0	26.0
40	0400	57.0	51.0	55.00	64.0	69.0	45.0	26.0
42	0420	60.5	54.5	55.50	66.0	74.0	50.0	26.0
45	0450	61.0	55.0	60.00	69.0	74.0	50.0	26.0
48	0480	64.0	58.0	61.91	72.0	79.0	55.0	26.0
50	0500	67.0	61.0	66.00	75.0	79.0	55.0	26.0
52	0520	70.0	64.0	68.00	77.0	82.0	58.0	26.0
55	0550	73.0	67.0	71.00	80.0	82.0	58.0	26.0
58	0580	76.0	70.0	74.00	83.0	82.0	58.0	26.0
60	0600	80.0	74.0	77.00	85.0	86.0	60.0	28.0
62	0620	83.0	77.0	78.00	87.0	86.0	60.0	28.0
65	0650	86.0	80.0	82.00	90.0	88.0	62.0	28.0
68	0680	89.0	83.0	84.00	93.0	88.0	62.0	28.0
70	0700	89.0	83.0	87.00	95.0	91.0	65.0	28.0
75	0750	95.0	89.0	91.50	100.0	91.0	65.0	28.0
80	0800	99.0	93.0	99.50	110.0	96.0	70.0	28.0
85	0850	105.0	99.0	105.50	115.0	96.0	70.0	28.0
90	0900	111.0	105.0	110.50	120.0	96.0	70.0	28.0
95	0950	114.0	108.0	115.50	130.0	101.0	75.0	28.0
100	1000	118.0	112.0	120.00	135.0	101.0	75.0	28.0
105	1050	132.0	126.0	128.00	140.0	103.0	75.0	30.0
110	1100	137.0	131.0	133.00	145.0	108.0	80.0	30.0
115	1150	140.0	134.0	137.50	150.0	108.0	80.0	30.0
120	1200	147.0	141.0	144.00	160.0	113.0	85.0	30.0
125	1250	150.0	144.0	149.00	165.0	113.0	85.0	30.0
130	1300	156.0	150.0	154.00	170.0	113.0	85.0	30.0

## Elastomer Bellows Mechanical Seals

### ... HXT20

- **Operational Conditions:**

Temperature: -20℃ to +120℃

Pressure: ≤ 1.0MPa

Speed: ≤ 15m/s

- **Materials:**

Stationary Ring: V1,Q2,Q1,U2

Rotary Ring: B,A,Q1,Q2

Secondary Seal: P,E,V

Spring and Metal Parts: F,G

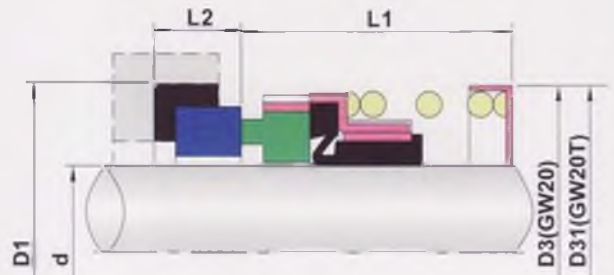
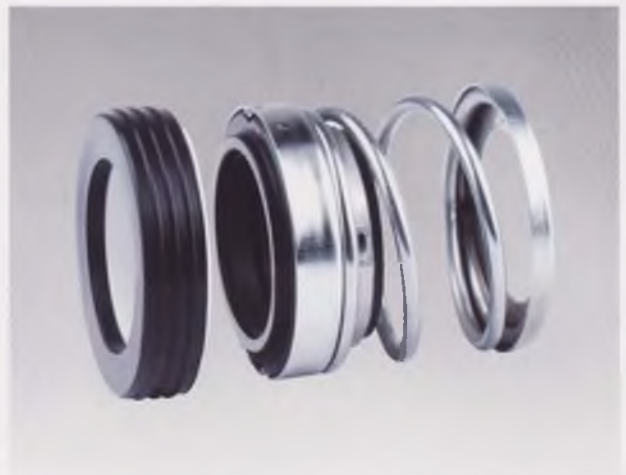
- **Seat Type:**

Standard: T20

Alternative: T24,G60

- **Applications: Clean water, sewage water,**

**Oil and other moderately corrosive fluids.**



规格/Size 公制/Metric d	D3	D31	D1	L2	L1
10	22.95	20.5	24.60	8.74	25.60
11	23.90	22.8	27.79	8.74	25.60
12	23.90	24.0	27.79	8.74	25.60
13	26.70	24.2	30.95	10.32	25.60
14	26.70	26.7	30.95	10.32	25.60
15	26.70	26.7	30.95	10.32	25.60
16	31.10	30.4	34.15	10.32	25.60
18	31.10	30.4	34.15	10.32	25.60
19	33.40	30.4	35.70	10.32	25.60
20	33.40	33.4	37.30	10.32	25.60
22	39.20	33.4	40.50	10.32	25.60
24	39.20	38.0	40.50	10.32	25.60
25	46.30	39.3	47.63	10.32	25.60
28	49.40	42.0	50.80	11.99	33.54
30	49.40	43.9	50.80	11.99	33.54
32	49.40	45.8	53.98	11.99	33.54
33	52.60	45.8	53.98	11.99	33.54
35	52.60	49.3	53.98	11.99	33.54
38	55.80	52.8	57.15	11.99	33.54
40	62.20	55.8	60.35	11.99	33.54
42	66.00	58.8	63.50	11.99	40.68
43	66.00	58.8	63.50	11.99	40.68
44	66.00	58.8	63.50	11.99	40.68
45	66.00	61.0	63.50	11.99	40.68
48	66.60	64.0	66.70	11.99	40.68
50	71.65	66.0	69.85	13.50	40.68
53	73.30	71.5	73.05	13.50	41.20
55	78.40	71.5	76.00	13.50	41.20
58	82.00	79.6	79.40	13.50	41.20
60	82.00	79.6	79.40	13.50	41.20
63	84.90	81.5	82.50	13.50	41.20
65	88.40	84.6	92.10	15.90	49.20
70	92.60	90.0	95.52	15.90	49.20
73	94.85	92.0	98.45	15.90	49.20
75	101.90	96.8	101.65	15.90	49.20

规格/Size 英制/Inch	D	D3	D31	D1	L2	L1
0.375"	9.5	22.95	20.0	24.60	8.74	25.60
0.500"	12.7	23.90	22.8	27.79	8.74	25.60
0.625"	15.8	26.70	26.7	30.95	10.32	25.60
0.750"	19.1	31.10	30.4	34.15	10.32	25.60
0.875"	22.2	33.40	33.4	37.30	10.32	25.60
1.000"	25.4	43.20	39.3	40.50	10.32	25.60
1.125"	28.6	46.30	42.0	47.63	11.99	33.54
1.250"	31.7	49.40	45.8	50.80	11.99	33.54
1.375"	34.9	52.60	49.3	53.98	11.99	33.54
1.500"	38.1	55.80	52.8	57.15	11.99	33.54
1.625"	41.2	62.20	55.5	60.35	11.99	33.54
1.750"	44.4	66.00	61.0	63.50	11.99	40.68
1.875"	47.6	66.60	64.0	66.70	11.99	40.68
2.000"	50.8	73.00	66.0	69.85	13.50	40.68
2.125"	53.9	73.30	71.5	73.05	13.50	41.20
2.250"	57.1	78.40	79.6	76.20	13.50	41.20
2.375"	60.3	82.00	79.6	79.40	13.50	41.20
2.500"	63.5	84.90	81.5	82.55	13.50	41.20
2.625"	66.6	88.40	84.6	92.10	15.90	49.20
2.750"	69.8	92.60	90.0	95.25	15.90	49.20
2.875"	73.0	94.85	92.0	98.45	15.90	49.20
3.000"	76.2	101.9	96.8	101.65	15.90	49.20

## Elastomer Bellow Mechanical Seals

### ... HXT21

- **Operational Conditions:**

Temperature:  $-20^{\circ}\text{C}$  to  $+120^{\circ}\text{C}$

Pressure:  $\leq 1.0\text{MPa}$

Speed:  $\leq 15\text{m/s}$

- **Materials:**

Stationary Ring: V1,Q2,Q1,U2

Rotary Ring: B,A,Q1,Q2

Secondary Seal: P,E,V

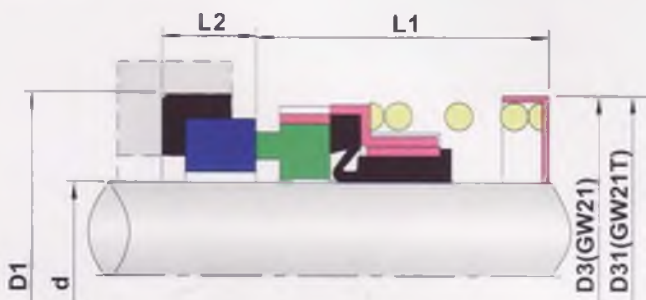
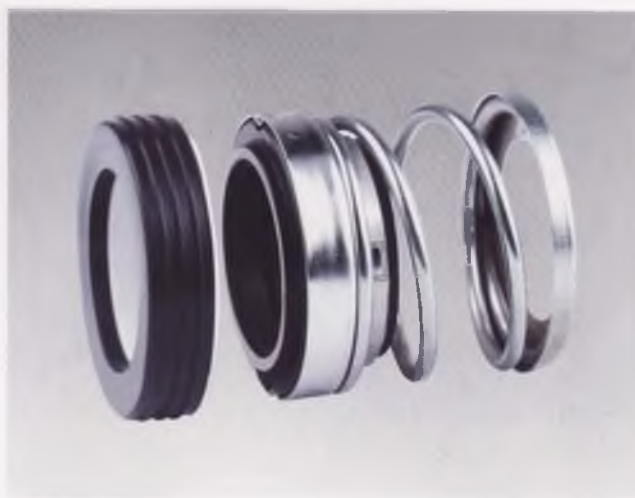
Spring and Metal Parts: F,G

- **Seat Type:**

Standard: T11

Alternative: T20, T21

- **Applications:** Clean water, sewage water,  
Oil and other moderately corrosive fluids.



规格/Size (英制/Inch)	d	D3	D31	D1	L1	L2
0.500	12.7	24.0	22.80	25.40	20.62	7.95
0.625	15.8	26.7	26.70	31.75	22.23	10.31
0.750	19.1	31.2	30.40	34.93	22.23	10.31
0.875	22.2	33.5	33.40	38.10	23.80	10.31
1.000	25.4	43.2	39.30	41.28	25.40	11.10
1.125	28.6	46.5	42.00	44.45	26.97	11.10
1.250	31.7	49.5	45.80	47.63	26.97	11.10
1.375	34.9	52.7	49.30	50.80	28.58	11.10
1.500	38.1	56.0	52.80	53.98	28.58	11.10
1.625	41.2	62.2	55.50	60.33	34.93	12.70
1.750	44.4	66.0	61.00	63.50	34.93	12.70
1.875	47.6	66.0	64.00	66.68	38.10	12.70
2.000	50.8	73.0	66.00	69.85	38.10	12.70
2.125	53.9	73.5	71.50	76.20	42.85	14.27
2.250	57.1	79.6	79.60	79.38	42.85	14.27
2.375	60.3	82.0	79.60	82.55	46.05	14.27
2.500	63.5	85.0	81.50	85.73	46.05	14.27
2.625	66.6	88.5	84.60	85.73	49.20	15.88
2.750	69.8	92.7	90.00	88.90	49.20	15.88
3.000	76.2	102.0	96.80	98.40	52.37	15.88



## Elastomer Bellow Mechanical Seals

### ... HXT24

- **Operational Conditions:**

Temperature: -20 °C to +120 °C

Pressure: ≤ 1.0MPa

Speed: ≤ 15m/s

- **Materials:**

Stationary Ring: V1,Q2,Q1,U2

Rotary Ring: B,A,Q1,Q2

Secondary Seal: P,E,V

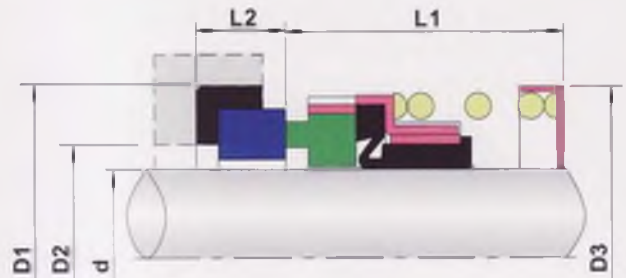
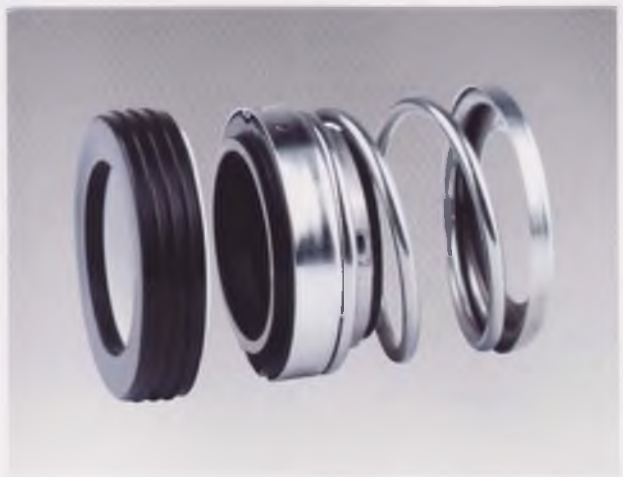
Spring and Metal Parts: F,G

- **Seat Type:**

Standard: T24

Alternative: T20, G60

- **Applications:** Clean water, sewage water,  
Oil and other moderately corrosive fluids.



规格/Size (公制/Metric)	d	D3	D2	D1	L1	L2
10	10	20.05	17	21	23.9	8.6
12	12	21.70	19	23	23.9	8.6
14	14	24.00	21	25	26.4	8.6
16	16	26.65	23	27	26.4	8.6
18	18	30.35	27	33	27.5	10.0
20	20	33.50	29	35	27.5	10.0
22	22	33.55	31	37	27.5	10.0
24	24	38.00	33	39	30.0	10.0
25	25	39.50	34	40	30.0	10.0
28	28	42.20	37	43	32.5	10.0
30	30	43.95	39	45	32.5	10.0
32	32	46.00	42	48	32.5	10.0
33	33	46.00	42	48	32.5	10.0
35	35	49.10	44	50	32.5	10.0
38	38	53.00	49	56	34.0	11.0
40	40	56.00	51	58	34.0	11.0
43	43	58.80	54	61	34.0	11.0
45	45	61.20	56	63	34.0	11.0
48	48	64.00	59	66	34.0	11.0
50	50	66.00	62	70	34.5	13.0
53	53	70.65	65	73	34.5	13.0
55	55	71.65	67	75	34.5	13.0
58	58	79.60	70	78	39.5	13.0
60	60	78.40	72	80	39.5	13.0
63	63	81.50	75	83	39.5	13.0
65	65	84.30	77	85	39.5	13.0
68	68	89.65	81	90	37.2	15.3
70	70	89.65	83	92	44.7	15.3
75	75	96.80	88	97	44.7	15.3
80	80	104.00	95	105	44.3	15.7
85	85	107.95	100	110	44.3	15.7
90	90	111.10	105	115	49.3	15.7
95	95	119.00	110	120	49.3	15.7
100	100	124.00	115	125	49.3	15.7

## Elastomer Bellow Mechanical Seals

### ... HX560A

- **Operational Conditions:**

Temperature: -20℃ to +120℃

Pressure: ≤ 1.0MPa

Speed: ≤ 15m/s

- **Materials:**

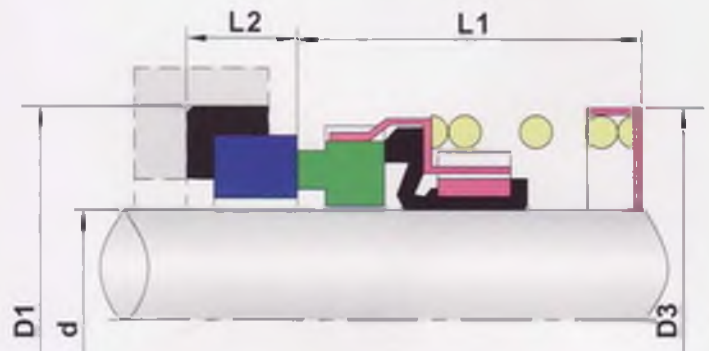
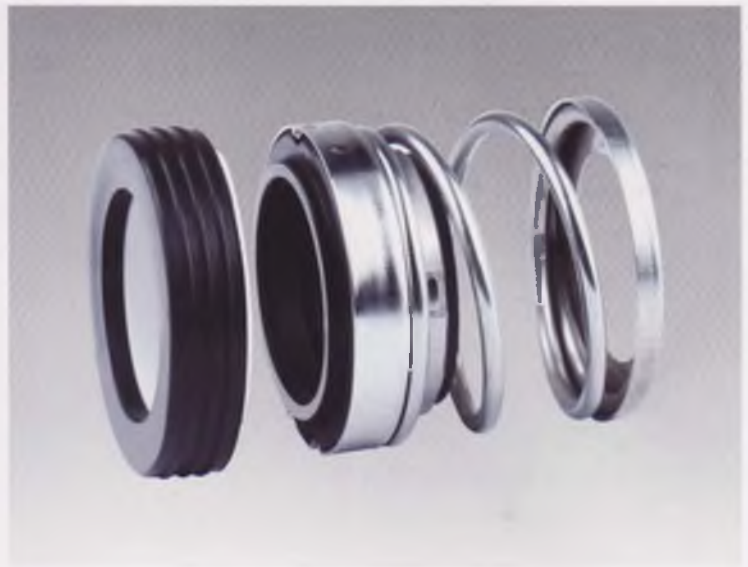
Stationary Ring: V1,Q2,Q1,U2

Rotary Ring: B,A,Q1,Q2

Secondary Seal: P,E,V

Spring and Metal Parts: F,G

- **Applications: Clean water, sewage water,  
Oil and other moderately corrosive fluids.**



规格/Size (公制/Metric)	d	D3	D1	L2	L1
560A-8	8	18.2	21	7	11.2
560A-9	9	18.2	24	7	16.2
560A-10	10	20.6	24	7	16.2
560A-11	11	20.6	24	7	16.2
560A-12	12	21.8	26	7	17.2
560A-13	13	21.8	26	7	17.2
560A-14	14	26.4	28	7	18.2
560A-15	15	26.4	28	7	18.2
560A-16	16	26.4	32	8	19.2
560A-17	17	29.5	32	8	19.2
560A-18	18	29.5	35	8	19.2
560A-19	19	29.5	35	8	19.2
560A-20	20	31.6	38	8	20.2
560A-22	22	33.6	40	8	20.2
560A-25	25	39.6	44	9	20.2
560A-28	28	45.0	46	9	21.2
560A-30	30	46.6	50	9	22.2
560A-32	32	46.6	54	9	24.2
560A-35	35	50.8	58	10	26.2
560A-38	38	54.3	60	10	27.2
560A-40	40	57.3	64	10	28.2
560A-45	45	61.3	66	10	30.2
560A-50	50	67.8	72	10	32.2

规格/Size (英制/Inch)	d	D3	D1	L2	L1
560A-3/8	9.52	23.5	22.22	6.4	22.2
560A-1/2	12.7	26.0	25.4	6.4	22.2
560A-5/8	15.8	30.0	31.75	8.7	23.8
560A-3/4	19.1	32.5	34.92	8.7	23.8
560A-7/8	22.2	37.5	38.10	8.7	25.4
560A-1	25.4	44.0	41.27	9.5	27.0
560A-1-1/8	28.6	48.0	44.45	9.5	28.6
560A-1-1/4	31.7	50.0	47.62	9.5	28.6
560A-1-3/8	34.9	54.5	50.80	9.5	30.2
560A-1-1/2	38.1	58.5	53.97	9.5	30.2
560A-1-5/8	41.2	64.0	60.32	11.1	36.5
560A-1-3/4	44.4	67.0	63.50	11.1	36.5
560A-1-7/8	47.6	71.0	66.67	11.1	39.7
560A-2	50.8	73.5	69.85	11.1	39.7

## Elastomer Bellow Mechanical Seals

... FBD

● **Operational Conditions:**

Temperature: -20℃ to +120℃

Pressure: ≤ 1.4MPa

Speed: ≤ 15m/s

● **Materials:**

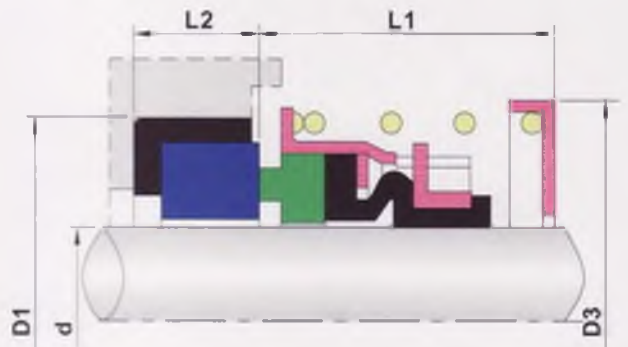
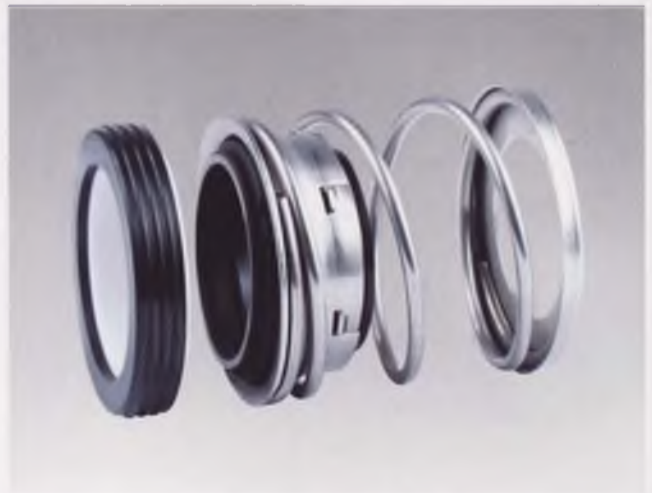
Stationary Ring: V1,Q2,Q1,U2,U1

Rotary Ring: B,A,Q1,Q2,U1,U2

Secondary Seal: P,E,V

Spring and Metal Parts: F,G

● **Applications:** Clean water, sewage water,  
Oil and other moderately corrosive fluids.



规格/Size (公制/Metric)	d	D3	D1	L1	L2
16	16	34.0	30	25	8
18	18	36.8	32	25	8
20	20	38.8	34	25	8
22	22	41.5	36	25	8
25	25	44.8	39	26	8
28	28	48.5	43	26	8
30	30	52.0	48	26	8
35	35	57.0	53	30	10
40	40	67.0	58	34	10
45	45	73.0	63	36	10
50	50	79.0	68	41	10
55	55	84.0	73	41	12
60	60	90.0	79	41	12
65	65	98.5	86	49	12
70	70	103.5	91	52	12
75	75	110.5	96	52	12
80	80	120.0	105	56	14
85	85	125.0	110	56	14
90	90	132.0	115	56	14
95	95	137.0	120	56	14
100	100	144.0	125	62	14
110	110	157.0	135	62	16
120	120	169.5	145	72	16



## Elastomer Bellow Mechanical Seals

### ... BIA

- **Operational Conditions:**

Temperature:  $-20^{\circ}\text{C}$  to  $+120^{\circ}\text{C}$

Pressure:  $\leq 1.0\text{MPa}$

Speed:  $\leq 15\text{m/s}$

- **Materials:**

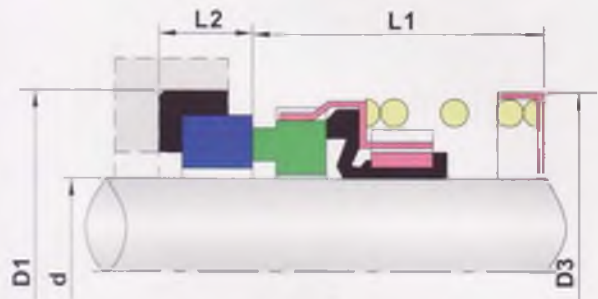
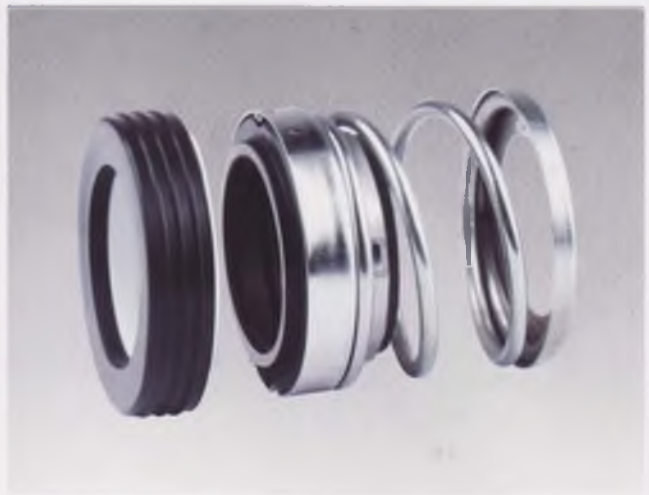
Stationary Ring: V1,Q2,Q1,U2

Rotary Ring: B,A,Q1,Q2

Secondary Seal: V,P,E

Spring and Metal Parts: F,G

- **Applications:** Clean water, sewage water,  
Oil and other moderately corrosive fluids.



规格/Size (公制/Metric)	d	D3	D1	L1	L2
14	14	27.5	30	19.0	5.0
16	16	28.5	32	21.0	5.0
18	18	31.2	35	22.5	7.5
20	20	31.7	35	21.0	8.0
25	25	40.2	40	25.5	8.0
28	28	44.1	43	25.5	8.0
30	30	45.1	45	25.5	9.0
32	32	49.0	48	33.5	9.0
33	33	49.0	48	33.5	9.0
35	35	50.2	50	33.5	9.0
38	38	55.3	56	33.5	9.0
40	40	57.0	58	33.5	9.0
43	43	60.7	61	36.5	9.5
45	45	62.5	63	38.0	9.5
48	48	66.5	66	38.0	9.5
50	50	68.6	70	38.0	9.5
53	53	70.8	73	41.0	9.5
55	55	72.4	75	41.0	9.5
58	58	80.0	78	42.0	9.5
60	60	83.0	80	42.0	9.5
65	65	87.2	85	42.0	10.0
70	70	91.6	92	45.0	11.0
75	75	99.4	97	47.0	12.0
80	80	104.6	104	55.0	12.0
85	85	111.0	109	64.0	12.0
90	90	113.0	114	66.0	12.0

## O-ring Mechanical Series

... HX8-1

● **Operational Conditions:**

**Temperature:** -20℃ to +180℃

**Pressure:** ≤ 1.2MPa

**Speed:** ≤ 15m/s

● **Materials:**

**Stationary Ring:** V1,Q1,Q2,U2

**Rotary Ring:** B,A,Q1,Q2,U2

**Secondary Seal:** P,E,V,M1,M2

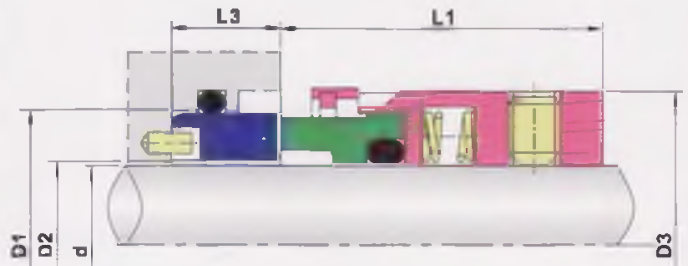
**Spring and Metal Parts:** F,G,M

● **Seat Types:**

**Standard:** WN

**Alternative:** T21

● **Applications:** Clean water, sewage water, oil and other moderately corrosive fluids



规格/Size (英制/Inch)	d	D3	D2	D1	L1	L3
0.500	12.7	26.19	14.0	25.60	20.62	7.92
0.625	15.8	30.15	17.5	31.95	19.05	10.31
0.750	19.0	33.32	21.0	35.12	22.23	10.31
0.875	22.2	36.50	24.0	38.30	23.80	10.31
1.000	25.4	39.67	27.5	41.48	25.40	11.10
1.125	28.5	42.85	30.5	44.65	26.97	11.10
1.250	31.7	47.63	33.5	47.83	26.97	11.10
1.375	34.9	50.80	37.0	51.00	28.58	11.10
1.500	38.1	53.98	40.0	54.18	28.58	11.10
1.625	41.2	60.33	43.5	60.53	34.93	12.70
1.750	44.4	63.50	46.5	63.70	34.93	12.70
1.875	47.6	66.68	49.5	66.88	34.93	12.70
2.000	50.8	69.85	53.0	70.05	34.93	12.70
2.125	53.9	76.20	56.0	76.40	42.85	14.27
1.250	57.1	79.38	59.0	79.58	42.85	14.27
2.375	60.3	82.55	62.5	82.75	42.85	14.27
2.500	63.5	85.73	65.5	85.93	42.85	14.27
2.625	66.6	88.90	68.5	85.93	42.85	15.88
2.750	69.8	92.08	72.0	89.10	42.85	15.88
2.875	73.0	95.25	75.0	95.45	42.85	15.88
3.000	76.2	96.82	78.5	98.63	42.85	15.88
3.125	79.3	100.00	81.5	101.80	42.85	19.84
3.250	82.5	104.78	84.5	104.98	42.85	19.84
3.375	85.7	107.95	88.0	108.15	42.85	19.84
3.500	88.9	111.13	91.0	111.33	42.85	19.84
3.625	92.0	114.30	94.0	114.50	42.85	19.84
3.750	95.2	117.48	97.5	117.68	42.85	19.84
3.875	98.4	120.65	100.5	120.85	42.85	19.84
4.000	101.6	123.83	103.5	124.03	42.85	19.84

## O-ring Mechanical Series

... HX8-1T

● **Operational Conditions:**

**Temperature:** -20°C to +180°C

**Pressure:** ≤ 1.2MPa

**Speed:** ≤ 15m/s

● **Materials:**

**Stationary Ring:** V1,Q1,Q2,U2

**Rotary Ring:** B,A,Q1,Q2

**Secondary Seal:** P,E,V,M1,M2

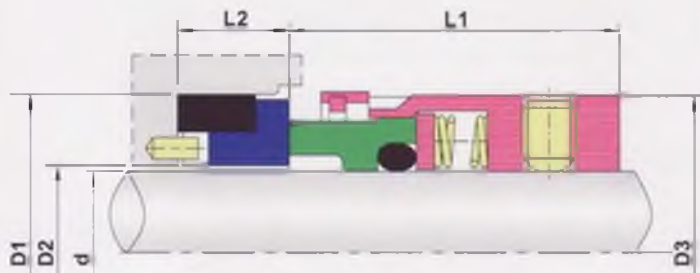
**Spring and Metal Parts:** F,G

● **Seat Types:**

**Standrd:** G16

**Alternative:** WN

● **Applications:** Clean water, sewage water,  
Oil and other moderately corrosive fluids.



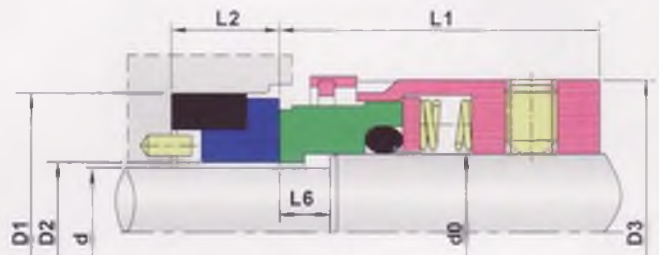
规格/Size (英制/Inch)	d	D3	D2	D1	L1	L3
0.500	12.7	23.80	13.4	25.40	23.80	7.9
0.625	15.8	26.97	16.6	31.75	23.80	10.3
0.750	19.0	30.15	19.7	34.93	23.80	10.3
0.875	22.2	33.32	22.9	38.10	23.80	10.3
1.000	25.4	36.50	26.1	41.28	25.40	11.1
1.125	28.5	39.67	29.3	44.45	25.40	11.1
1.250	31.7	42.85	32.4	47.63	25.40	11.1
1.375	34.9	49.20	35.6	50.80	34.93	11.1
1.500	38.1	49.20	38.8	53.98	28.58	11.1
1.625	41.2	57.15	42.4	60.33	29.36	12.7
1.750	44.4	58.72	45.5	63.50	34.93	12.7
1.875	47.6	63.50	48.7	66.68	34.93	12.7
2.000	50.8	66.68	51.9	69.85	34.93	12.7
2.125	53.9	71.42	55.0	76.20	42.85	14.3
2.250	57.1	72.21	58.2	79.38	34.93	14.3
2.375	60.3	76.20	61.4	82.55	42.85	14.3
2.500	63.5	79.38	64.6	85.73	34.93	14.3
2.625	66.6	82.55	67.7	85.73	42.85	15.9
2.750	69.8	85.73	70.9	88.90	42.85	15.9
2.875	73.0	88.90	74.1	95.25	42.85	15.9
3.000	76.2	92.08	77.3	98.43	42.85	15.9
3.125	79.3	95.25	80.5	101.60	42.85	19.8
3.250	82.5	98.43	83.6	104.78	42.85	19.8
3.375	85.7	101.60	86.8	107.95	42.85	19.8
3.500	88.9	104.78	90.0	111.13	42.85	19.8
3.625	92.0	107.95	93.1	114.30	42.85	19.8
3.750	95.2	111.13	96.3	117.48	42.85	19.8
3.875	98.4	114.30	99.5	120.65	42.85	19.8
4.000	101.6	117.48	102.7	123.83	42.85	19.8



# O-ring Mechanical Series

... HX 8BT

- **Operational Conditions:**  
**Temperature:** -20℃ to +180℃  
**Pressure:** ≤ 2.5MPa  
**Speed:** ≤ 15m/s
- **Materials:**  
**Stationary Ring:** V1, Q1, Q2, U2  
**Rotary Ring:** B, A, Q1, Q2  
**Secondary Seal:** P, E, V, M1, M2  
**Spring and Metal Parts:** F, G
- **Seat Types:**  
**Standard:** G16  
**Alternative:** GWN, GW22
- **Applications:** Clean water, sewage water,  
Oil and other moderately corrosive fluids.



规格/Size (英制/Inch)	d0	d	D3	D2	D1	L1	L2	L6
1.000	25.4	22.2	36.50	22.9	38.10	33.32	10.3	8.7
1.125	28.5	25.4	39.67	26.1	41.28	34.93	11.1	8.7
1.250	31.7	28.5	42.85	29.3	44.45	34.93	11.1	8.7
1.375	34.9	28.5	49.20	29.3	44.45	42.85	11.1	8.7
1.500	38.1	31.7	49.20	32.4	47.63	36.50	11.1	8.7
1.625	41.2	34.9	57.15	35.6	50.80	40.46	11.1	11.1
1.750	44.4	38.1	58.72	38.8	53.96	44.45	11.1	11.1
1.875	47.6	41.2	63.50	42.4	60.33	44.45	12.7	11.1
2.000	50.8	44.4	66.68	45.5	63.50	44.45	12.7	11.1
2.125	53.9	47.6	71.42	48.7	66.68	52.37	12.7	12.7
2.250	57.1	50.8	72.21	51.9	69.85	44.45	12.7	12.7
2.375	60.3	53.9	76.20	55.0	76.20	52.37	14.3	12.7
2.500	63.5	57.1	79.38	58.2	79.38	44.45	14.3	12.7
2.625	66.6	60.3	82.55	61.4	82.55	52.37	14.3	12.7
2.750	69.8	63.5	85.73	64.6	85.73	52.37	14.3	12.7
2.875	73.0	66.6	88.90	67.7	85.79	52.37	15.9	12.7
3.000	76.2	69.8	92.08	70.9	88.90	52.37	15.9	12.7
3.125	79.3	73.0	95.25	74.1	95.25	52.37	15.9	14.3
3.250	82.5	76.2	98.43	77.3	98.43	52.37	15.9	14.3
3.375	85.7	79.3	101.60	80.5	101.60	52.37	19.8	14.3
3.500	88.9	82.5	104.78	83.6	104.78	52.37	19.8	14.3
3.625	92.0	85.7	107.95	86.8	107.95	52.37	19.8	14.3
3.750	95.2	88.9	111.13	90.0	111.13	52.37	19.8	14.3
3.875	98.4	92.0	114.30	93.1	114.30	52.37	19.8	14.3
4.000	101.6	95.2	117.48	96.3	117.48	52.37	19.8	14.3

# PTFE Wedge Mechanical Seals

... W9

● **Operational Conditions:**

**Temperature:** -40℃ to +250℃

**Pressure:** ≤ 1.2MPa

**Speed:** ≤ 15m/s

● **Materials:**

**Stationary Ring:** Q2, V1, Q1

**Rotary Ring:** A, B, Q2, Q1

**Secondary Seal:** T

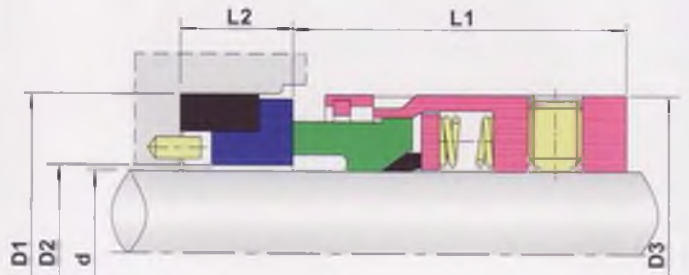
**Spring and Metal Parts:** F, G, M

● **Seat Type:**

**Standard:** W16

**Alternative:**

● **Applications:** Strong corrosive fluids.



规格/Size (英制/Inch)	d	D3	D2	D1	L1	L2
0.500	12.7	26.70	13.4	25.40	20.62	7.9
0.625	15.8	30.66	16.6	31.75	19.05	10.3
0.750	19.0	33.83	19.7	34.93	22.23	10.3
0.875	22.2	37.00	22.9	38.10	23.80	10.3
1.000	25.4	40.10	26.1	41.28	25.40	11.1
1.125	28.5	43.36	29.3	44.45	26.97	11.1
1.250	31.7	48.13	32.4	47.63	26.97	11.1
1.375	34.9	51.30	35.6	50.80	28.58	11.1
1.500	38.1	54.48	38.8	53.98	28.58	11.1
1.625	41.2	60.83	42.4	60.33	34.93	12.7
1.750	44.4	64.00	45.5	63.50	34.93	12.7
1.875	47.6	66.68	48.7	66.68	34.93	12.7
2.000	50.8	70.36	51.9	69.85	34.93	12.7
2.125	53.9	76.70	55.0	76.20	42.85	14.3
2.250	57.1	79.88	58.2	79.38	42.85	14.3
2.375	60.3	83.06	61.4	82.55	42.85	14.3
2.500	63.5	86.23	64.6	85.73	42.85	14.3
2.625	66.6	89.40	67.7	85.73	42.85	15.9
2.750	69.8	92.58	70.9	88.90	42.85	15.9
2.875	73.0	95.76	74.1	95.25	42.85	15.9
3.000	76.2	97.33	77.3	98.43	42.85	15.9
3.125	79.3	100.50	80.5	101.60	42.85	19.8
3.250	82.5	105.28	83.6	104.78	42.85	19.8
3.375	85.7	108.46	86.8	107.95	42.85	19.8
3.500	88.9	111.63	90.0	111.13	42.85	19.8
3.625	92.0	114.80	93.1	114.30	42.85	19.8
3.750	95.2	117.98	96.3	117.48	42.85	19.8
3.875	98.4	121.16	99.5	120.65	42.85	19.8
4.000	101.6	124.33	102.7	123.83	42.85	19.8

## PTFE Wedge Mechanical Seals

... W9B

● **Operational Conditions:**

Temperature: -40℃ to +250℃

Pressure: ≤ 2.5MPa

Speed: ≤ 15m/s

● **Materials:**

Stationary Ring: Q2, V1, Q1

Rotary Ring: A, B, Q2, Q1

Secondary Seal: T

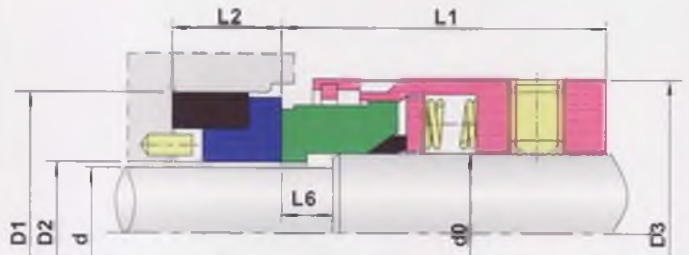
Spring and Metal Parts: F, G, M

● **Seat Type:**

Standard: W16

Alternative:

● **Applications: Strong corrosive fluids.**



规格/Size (英制/Inch)	d0	d	D3	D2	D1	L1	L2	L6
1.000	25.4	22.2	40.10	22.9	38.10	33.32	10.30	6.40
1.125	28.5	25.4	43.36	26.1	41.28	34.93	11.10	7.90
1.250	31.7	28.5	48.13	29.3	44.45	34.93	11.10	7.90
1.375	34.9	28.5	51.30	29.3	44.45	36.50	11.10	8.70
1.500	38.1	31.7	54.48	32.4	47.63	36.50	11.10	8.70
1.625	41.2	34.9	60.83	35.6	50.80	44.45	11.10	8.70
1.750	44.4	38.1	64.00	38.8	53.98	44.45	11.10	9.50
1.875	47.6	41.2	66.68	42.4	60.33	44.45	12.70	9.50
2.000	50.8	44.4	70.36	45.5	63.50	44.45	12.70	9.50
2.125	53.9	47.6	76.70	48.7	66.68	52.37	12.70	11.10
2.250	57.1	50.8	79.88	51.9	69.85	52.37	12.70	11.10
2.375	60.3	53.9	83.06	55.0	76.20	52.37	14.30	11.10
2.500	63.5	57.1	86.23	58.2	79.38	52.37	14.30	11.10
2.625	66.6	60.3	89.40	61.4	82.55	52.37	14.30	11.10
2.750	69.8	63.5	92.58	64.6	85.73	52.37	14.30	11.10
2.875	73.0	66.6	95.76	67.7	85.73	52.37	15.90	11.10
3.000	76.2	69.8	97.33	70.9	88.90	52.37	15.90	11.10
3.125	79.3	73.0	100.50	74.1	95.25	52.37	15.90	11.10
3.250	82.5	76.2	105.28	77.3	98.43	52.37	15.90	14.30
3.375	85.7	79.3	108.46	80.5	101.60	52.37	19.80	14.30
3.500	88.9	82.5	111.63	83.6	104.78	52.37	19.80	14.30
3.625	92.0	85.7	114.80	86.8	107.95	52.37	19.80	14.30
3.750	95.2	88.9	117.98	90.0	111.13	52.37	19.80	14.30
3.875	98.4	92.0	121.16	93.1	114.30	52.37	19.80	14.30
4.000	101.6	95.2	124.33	96.3	117.48	52.37	19.80	14.30



## PTFE Wedge Mechanical Seals

... W9T

- **Operational Conditions:**

Temperature: -40℃ to +250℃

Pressure: ≤ 1.2MPa

Speed: ≤ 15m/s

- **Materials:**

Stationary Ring: Q2, V1, Q1

Rotary Ring: A, B, Q2, Q1

Secondary Seal: T

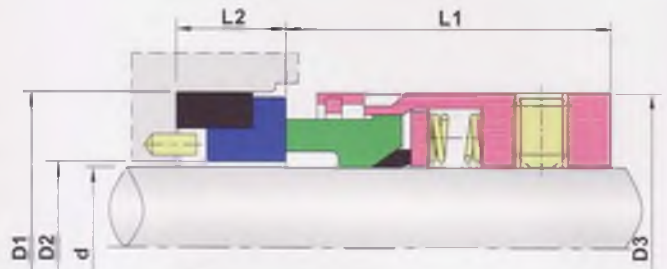
Spring and Metal Parts: F, G, M

- **Seat Type:**

Standard: W16

Alternative:

- **Applications: Strong corrosive fluids.**



规格/Size (英制/Inch)	d	D3	D2	D1	L1	L2
0.500	12.7	23.80	13.4	25.40	23.80	7.9
0.625	15.8	26.97	16.6	31.75	23.80	10.3
0.750	19.0	30.15	19.7	34.93	23.80	10.3
0.875	22.2	33.32	22.9	38.10	23.80	10.3
1.000	25.4	36.50	26.1	41.28	25.40	11.1
1.125	28.5	39.67	29.3	44.45	25.40	11.1
1.250	31.7	42.85	32.4	47.63	25.40	11.1
1.375	34.9	49.20	35.6	50.80	34.93	11.1
1.500	38.1	49.20	38.8	53.98	28.58	11.1
1.625	41.2	57.15	42.4	60.33	29.36	12.7
1.750	44.4	58.72	45.5	63.50	34.93	12.7
1.875	47.6	63.50	48.7	66.68	34.93	12.7
2.000	50.8	66.68	51.9	69.85	34.93	12.7
2.125	53.9	71.42	55.0	76.20	42.85	14.3
2.250	57.1	72.21	58.2	79.38	34.93	14.3
2.375	60.3	76.20	61.4	82.55	42.85	14.3
2.500	63.5	79.38	64.6	85.73	34.93	14.3
2.625	66.6	82.55	67.7	85.73	42.85	15.9
2.750	69.8	85.73	70.9	88.90	42.85	15.9
2.875	73.0	88.90	74.1	95.25	42.85	15.9
3.000	76.2	92.08	77.3	98.43	42.85	15.9
3.125	79.3	95.25	80.5	101.60	42.85	19.8
3.250	82.5	98.43	83.6	104.78	42.85	19.8
3.375	85.7	101.60	86.8	107.95	42.85	19.8
3.500	88.9	104.78	90.0	111.13	42.85	19.8
3.625	92.0	107.95	93.1	114.30	42.85	19.8
3.750	95.2	111.13	96.3	117.48	42.85	19.8
3.875	98.4	114.30	99.5	120.65	42.85	19.8
4.000	101.6	117.48	102.7	123.83	42.85	19.8

## PTFE Wedge Mechanical Seals

### ... W9BT

- **Operational Conditions:**

Temperature:  $-40^{\circ}\text{C}$  to  $+250^{\circ}\text{C}$

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

Speed:  $\leq 15\text{m/s}$

- **Materials:**

Stationary Ring: Q2, V1, Q1

Rotary Ring: A, B, Q2, Q1

Secondary Seal: T

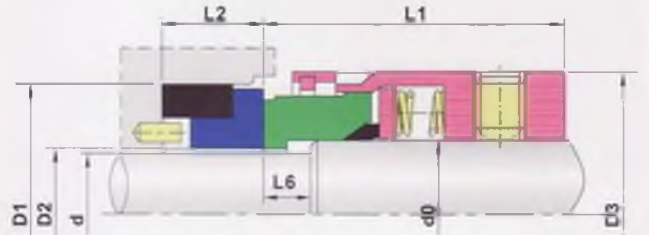
Spring and Metal Parts: F, G, M

- **Seat Type:**

Standard: W16

Alternative:

- **Applications: Strong corrosive fluids.**



规格/Size (英制/Inch)	d0	d	D3	D2	D1	L1	L2	L6
1.000	25.4	22.2	36.50	22.9	38.10	33.32	10.30	8.70
1.125	28.5	25.4	39.67	26.1	41.28	34.93	11.10	8.70
1.250	31.7	28.5	42.85	29.3	44.45	34.93	11.10	8.70
1.375	34.9	28.5	49.20	29.3	44.45	42.85	11.10	8.70
1.500	38.1	31.7	49.20	32.4	47.63	36.50	11.10	8.70
1.625	41.2	34.9	57.15	35.6	50.80	40.46	11.10	11.10
1.750	44.4	38.1	58.72	38.8	53.96	44.45	11.10	11.10
1.875	47.6	41.2	63.50	42.4	60.33	44.45	12.70	11.10
2.000	50.8	44.4	66.68	45.5	63.50	44.45	12.70	11.10
2.125	53.9	47.6	71.42	48.7	66.68	52.37	12.70	12.70
2.250	57.1	50.8	72.21	51.9	69.85	44.45	12.70	12.70
2.375	60.3	53.9	76.20	55.0	76.20	52.37	14.30	12.70
2.500	63.5	57.1	79.38	58.2	79.38	44.45	14.30	12.70
2.625	66.6	60.3	82.55	61.4	82.55	52.37	14.30	12.70
2.750	69.8	63.5	85.73	64.6	85.73	52.37	14.30	12.70
2.875	73.0	66.6	88.90	67.7	85.73	52.37	15.90	12.70
3.000	76.2	69.8	92.08	70.9	88.90	52.37	15.90	12.70
3.125	79.3	73.0	95.25	74.1	95.25	52.37	15.90	14.30
3.250	82.5	76.2	98.43	77.3	98.43	52.37	15.90	14.30
3.375	85.7	79.3	101.60	80.5	101.60	52.37	19.80	14.30
3.500	88.9	82.5	104.78	83.6	104.78	52.37	19.80	14.30
3.625	92.0	85.7	107.95	86.8	107.95	52.37	19.80	14.30
3.750	95.2	88.9	111.13	90.0	111.13	52.37	19.80	14.30
3.875	98.4	92.0	114.30	93.1	114.30	52.37	19.80	14.30
4.000	101.6	95.2	117.48	96.3	117.48	52.37	19.80	14.30

## PTFE Wedge Mechanical Seals

... 59B

- **Operational Conditions:**

Temperature: -40℃ to +250℃

Pressure: ≤ 2.5MPa

Speed: ≈ 15m/s

- **Materials:**

Stationary Ring: Q2,V1,Q1

Rotary Ring: A,B,Q2,Q1

Secondary Seal: T

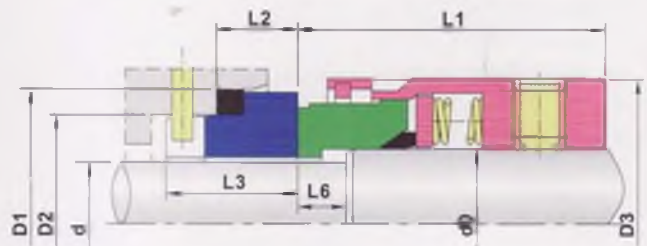
Spring and Metal Parts: F,G,M

- **Seat Type:**

Standard: BP

Alternative: BO

- **Applications: Strong corrosive fluids.**



规格/Size (公制/Metric)	d0	d	D3	D2	D1	L1	L2	L3	L6
14	18	14	32	21	25	30.5	12.0	18.5	6.0
16	20	16	34	23	27	30.5	12.0	18.5	6.0
18	22	18	36	27	33	31.5	13.5	20.5	6.5
20	24	20	38	29	35	31.5	13.5	20.5	6.5
22	26	22	40	31	37	31.5	13.5	20.5	6.5
24	28	24	42	33	39	34.2	13.3	20.3	6.7
25	30	25	44	34	40	34.5	13.0	20.0	7.0
28	33	28	47	37	43	37.5	12.5	19.5	7.5
30	35	30	49	39	45	38.0	12.0	19.0	8.0
32	38	32	54	42	48	38.0	12.0	19.0	8.0
33	38	33	54	42	48	38.0	12.0	19.0	8.0
35	40	35	56	44	50	38.0	12.0	19.0	8.0
38	43	38	59	49	56	39.5	13.0	20.0	10.0
40	45	40	61	51	58	39.5	13.0	20.0	10.0
43	48	43	64	54	61	39.5	13.0	20.0	10.0
45	50	45	66	56	63	39.5	13.0	20.0	10.0
48	53	48	69	59	66	39.5	13.0	20.0	10.0
50	55	50	71	62	70	44.0	13.5	20.5	11.5
53	58	53	78	65	73	44.0	13.5	20.5	11.5
55	60	55	80	67	75	44.0	13.5	20.5	11.5
58	63	58	83	70	78	49.0	13.5	20.5	11.5
60	65	60	85	72	80	49.0	13.5	20.5	11.5
63	68	63	88	75	83	49.0	13.5	20.5	11.5
65	70	65	90	77	85	49.0	13.5	20.5	11.5
70	75	70	95	83	92	55.5	14.5	21.5	13.5
75	80	75	104	88	97	55.5	14.5	21.5	13.5
80	85	80	109	95	105	55.0	15.0	22.0	13.0
85	90	85	114	100	110	60.0	15.0	22.0	13.0
90	95	90	119	105	115	60.0	15.0	22.0	13.0
95	100	95	124	110	120	60.0	15.0	22.0	13.0
100	105	100	129	115	125	60.0	15.0	22.0	13.0



## PTFE Wedge Mechanical Seals

... 59U

- **Operational Conditions:**

Temperature: -40℃ to +250℃

Pressure: ≤ 1.2MPa

Speed: ≤ 15m/s

- **Materials:**

Stationary Ring: Q2, V1, Q1

Rotary Ring: A, B, Q2, Q1

Secondary Seal: T

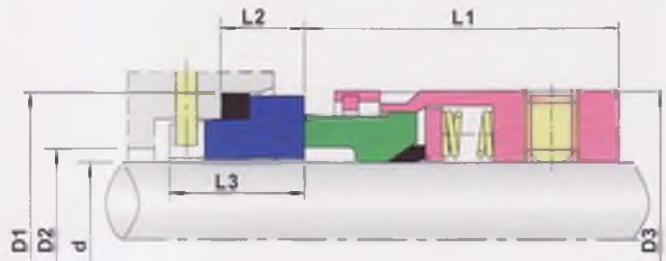
Spring and Metal Parts: F, G, M

- **Seat Type:**

Standard: BP

Alternative: BO

- **Applications: Strong corrosive fluids.**



规格/Size (公制/Metric)	d	D3	D2	D1	L1	L2	L3
14	14	24	21	25	23.0	12.0	18.5
16	16	26	23	27	23.0	12.0	18.5
18	18	32	27	33	24.0	13.5	20.5
20	20	34	29	35	24.0	13.5	20.5
22	22	36	31	37	24.0	13.5	20.5
24	24	38	33	39	26.7	13.3	20.3
25	25	39	34	40	27.0	13.0	20.0
28	28	42	37	43	30.0	12.5	19.5
30	30	44	39	45	30.5	12.0	19.0
32	32	46	42	48	30.5	12.0	19.0
33	33	47	42	48	30.5	12.0	19.0
35	35	49	44	50	30.5	12.0	19.0
38	38	54	49	56	32.0	13.0	20.0
40	40	56	51	58	32.0	13.0	20.0
43	43	59	54	61	32.0	13.0	20.0
45	45	61	56	63	32.0	13.0	20.0
48	48	64	59	66	32.0	13.0	20.0
50	50	66	62	70	34.0	13.5	20.5
53	53	69	65	73	34.0	13.5	20.5
55	55	71	67	75	34.0	13.5	20.5
58	58	78	70	78	39.0	13.5	20.5
60	60	80	72	80	39.0	13.5	20.5
63	63	83	75	83	39.0	13.5	20.5
65	65	85	77	85	39.0	13.5	20.5
68	68	88	81	90	39.0	13.5	20.5
70	70	90	83	92	45.5	14.5	21.5
75	75	95	88	97	45.5	14.5	21.5
80	80	104	95	105	45.0	15.0	22.0
85	85	109	100	110	45.0	15.0	22.0
90	90	114	105	115	50.0	15.0	22.0
95	95	119	110	120	50.0	15.0	22.0
100	100	124	115	125	50.0	15.0	22.0

## O-ring Mechanical Series

... HX68

● **Operational Conditions:**

**Temperature:** -40℃ to +200℃

**Pressure:** ≤ 0.8MPa

**Speed:** ≤ 18m/s

● **Materials:**

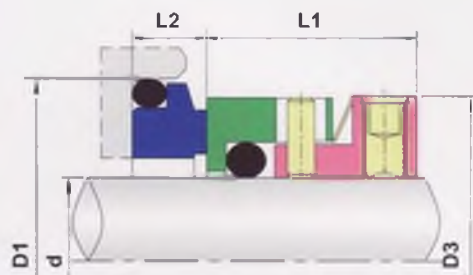
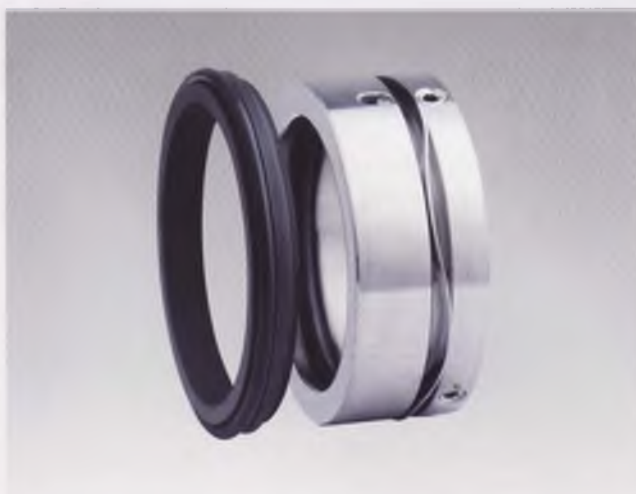
**Stationary Ring:** Q2,U2,B

**Rotary Ring:** U2,F

**Secondary Seal:** P,E,V

**Spring and Metal Parts:** F,G

● **Applications:** Clean water, sewage water, oil and other moderately corrosive fluids.



规格/Size (公制/Metric)	D1	D3	L1	L2
15.8	28.50	27.00	19.1	6.30
16.0	28.50	27.00	19.1	6.30
19.1	31.70	30.00	19.1	6.30
24.0	35.40	34.10	19.1	7.60
28.0	42.00	40.00	19.1	7.60
28.6	41.20	39.50	19.1	7.60
30.0	42.70	41.00	19.1	7.60
31.7	44.20	42.40	19.1	7.60
32.0	44.40	42.40	19.1	7.60
35.0	47.60	45.50	19.1	7.60
38.0	53.90	51.80	21.1	8.10
44.4	60.30	58.20	21.1	8.10
47.6	63.50	61.40	21.1	8.10
50.0	63.90	61.90	21.1	8.10
50.8	66.60	64.60	22.1	9.60
53.9	73.00	71.00	22.1	9.60
54.0	73.90	71.00	22.1	9.60
54.6	75.00	72.00	22.1	9.60
55.0	75.00	72.00	22.1	9.60
63.0	83.00	79.30	25.8	9.10
63.5	88.90	79.30	25.8	9.10
69.8	95.20	88.90	25.8	9.10
73.0	98.40	94.00	25.8	9.10
75.0	100.4	96.00	25.8	9.10

## O-ring Mechanical Series

... HX682

● **Operational Conditions:**

Temperature: -20℃ to +180℃

Pressure: ≤ 1.2MPa

Speed: ≤ 15m/s

● **Materials:**

Stationary Ring: B,A,Q1,Q2

Rotary Ring: F,G,Q1,U2

Secondary Seal: P,E,V

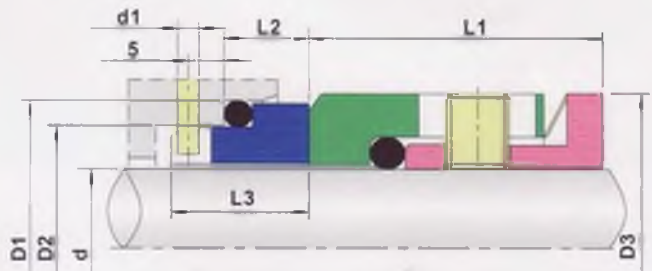
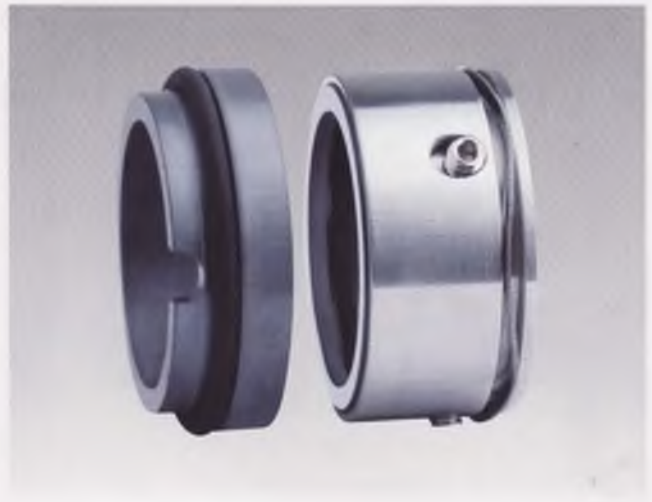
Spring and Metal Parts: F,G

● **Seat Types:**

Standard: 24Din1

Alternative: T12

● **Applications: Clean water, sewage water, oil and other moderately corrosive fluids.**



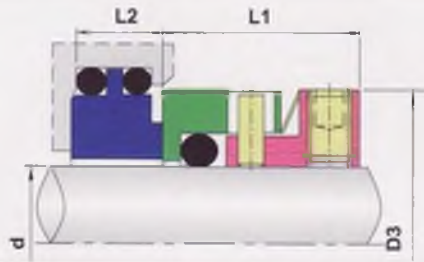
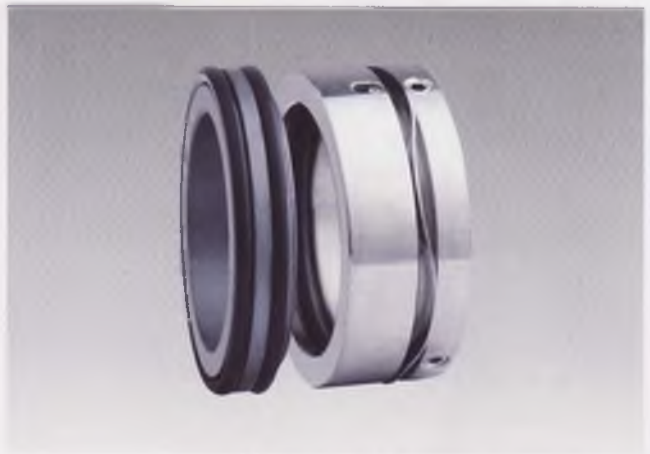
规格/Size (公制/Metric)	d	D3	D2	D1	d1	L1	L2	L3
16	16	26	23	27	3	19.1	8.6	15.0
18	18	29	27	33	3	19.1	10.0	17.0
20	20	32	29	35	3	19.1	10.0	17.0
22	22	35	31	37	3	19.1	10.0	17.0
24	24	37	33	39	3	19.1	10.0	17.0
25	25	37	34	40	3	19.1	10.0	17.0
28	28	41	37	43	3	19.1	10.0	17.0
30	30	43	39	45	3	19.1	10.0	17.0
32	32	47	42	48	3	19.1	10.0	17.0
33	33	48	42	48	3	19.1	10.0	17.0
35	35	49	44	50	3	19.1	10.0	17.0
38	38	53	49	56	4	21.1	11.0	18.0
40	40	55	51	58	4	21.1	11.0	18.0
43	43	60	54	61	4	21.1	11.0	18.0
45	45	60	56	63	4	21.1	11.0	18.0
48	48	65	59	66	4	21.1	11.0	18.0
50	50	65	62	70	4	21.1	13.0	20.0
53	53	74	65	73	4	22.1	13.0	20.0
55	55	74	67	75	4	22.1	13.0	20.0
58	58	79	70	78	4	25.8	13.0	20.0
60	60	79	72	80	4	25.8	13.0	20.0
63	63	87	75	83	4	25.8	13.0	20.0
65	65	87	77	85	4	25.8	13.0	20.0
68	68	93	81	90	4	25.8	15.3	22.0
70	70	93	83	92	4	25.8	15.3	22.0
75	75	98	88	97	4	25.8	15.3	22.0
80	80	104	95	105	4	25.8	15.7	22.5
85	85	108	100	110	4	25.8	15.7	22.5
90	90	113	105	115	4	25.8	15.7	22.5
95	95	118	110	120	4	25.8	15.7	22.5
100	100	123	115	125	4	25.8	15.7	22.5



## O-ring Mechanical Series

### ... HX68 A

- **Operational Conditions:**  
**Temperature:** -40℃+200℃  
**Pressure:** ≤0.8MPa  
**Speed:** ≤18m/s
- **Materials:**  
**Stationary Ring:** Q2,U2,B  
**Rotary Ring:** U2,F  
**Secondary Seal:** P,E,V  
**Spring and Metal parts:** F,G
- **Applications:** Clean water, sewage water, oil and other moderately corrosive fluids.

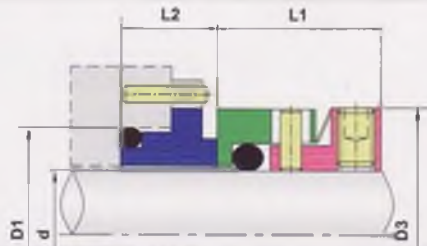


PUMP ref:	規格/Size 公制/Metric	D3	L1	L2
10	30	41.0	19.1	10.3
20	35	45.5	19.1	12.0
30	50	61.9	21.1	12.0

## O-ring Mechanical Series

### ... HX68 B

- **Operational Conditions:**  
**Temperature:** -40℃+200℃  
**Pressure:** ≤0.8MPa  
**Speed:** ≤18m/s
- **Materials:**  
**Stationary Ring:** Q2,U2,B  
**Rotary Ring:** U2,F  
**Secondary Seal:** P,E,V  
**Spring and Metal parts:** F,G
- **Applications:** Clean water, sewage water, oil and other moderately corrosive fluids.



PUMP ref:	規格/Size 公制/Metric	D1	D3	L1	L2
SR1	20	30.00	31.00	19.1	10.70
SR2	30	41.00	41.00	19.1	10.90
SR3	35	47.00	45.50	21.1	12.20
SR4	45	58.00	58.20	21.1	11.60
SR5	55	70.00	72.00	22.1	13.00
SR6	75	92.00	96.00	25.8	14.50

## O-ring Mechanical Series

... HX68 C

● **Operational Conditions:**

**Temperature:** -40℃ to +200℃

**Pressure:** ≤ 0.8MPa

**Speed:** ≤ 18m/s

● **Materials:**

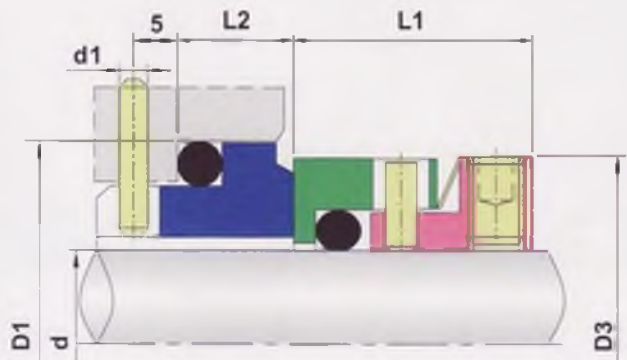
**Stationary Ring:** Q2,U2,B

**Rotary Ring:** U2,F

**Secondary Seal:** P,E,V

**Spring and Metal Parts:** F,G

● **Applications:** Clean water, sewage water, oil and other moderately corrosive fluids.

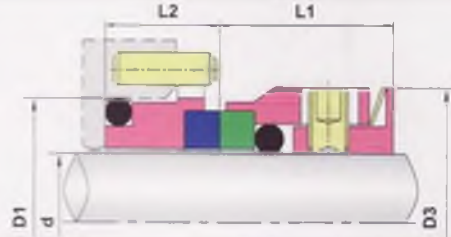
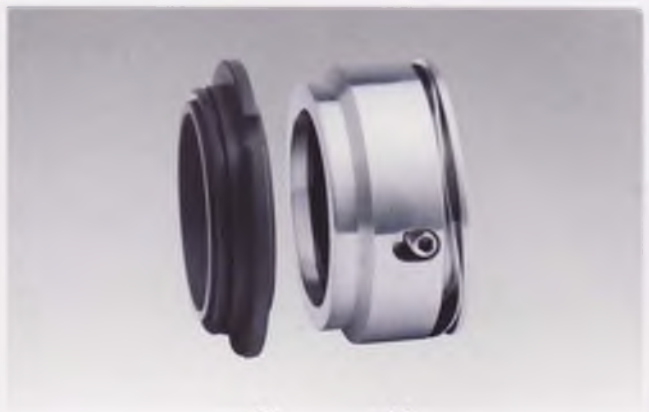


规格/Size (公制/Metric)	D1	D3	d1	L1	L2
16	27.00	27.0	4.00	19.10	8.60
20	35.00	31.0	5.00	19.10	10.00
22	37.00	33.0	5.00	19.10	10.00
24	39.00	34.1	5.00	19.10	10.00
25	40.00	35.2	5.00	19.10	10.00
28	43.00	40.0	5.00	19.10	10.00
30	45.00	41.0	5.00	19.10	10.00
32	48.00	42.4	5.00	19.10	10.00
33	48.00	44.0	5.00	19.10	10.00
35	50.00	45.5	5.00	19.10	10.00
38	56.00	51.8	5.00	21.10	11.00
40	58.00	53.8	5.00	21.10	11.00
43	61.00	56.0	5.00	21.10	11.00
45	63.00	58.2	5.00	21.10	11.00
48	66.00	61.4	5.00	21.10	11.00
50	70.00	61.9	5.00	21.10	13.00
55	75.00	72.0	5.00	22.10	13.00
60	80.00	76.0	5.00	25.80	13.00
63	83.00	79.3	5.00	25.80	13.00
65	85.00	82.3	5.00	25.80	13.00
70	92.00	88.9	5.00	25.80	15.30
75	97.00	96.0	5.00	25.80	15.30

## O-ring Mechanical Series

### ... HX68 D

- **Operational Conditions:**  
**Temperature:** -40℃ +200℃  
**Pressure:** ≤0.8MPa  
**Speed:** ≤18m/s
- **Materials:**  
**Stationary Ring:** Q2, U2, B  
**Rotary Ring:** U2, F  
**Secondary Seal:** P, E, V  
**Spring and Metal parts:** F, G
- **Applications:** Clean water, sewage water, oil and other moderately corrosive fluids.

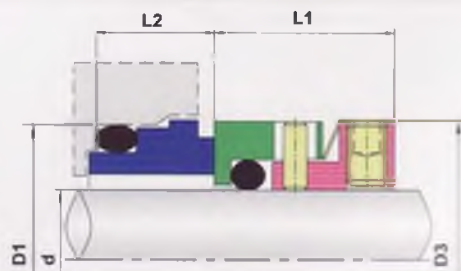
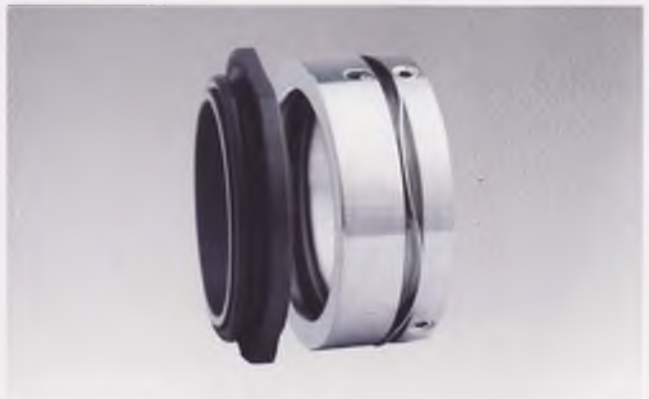


PUMP ref:	规格/Size 公制/Metric	D1	D3	L1	L2
SR1	20	30.00	32.4	20.0	10.70
SR2	30	41.30	44.0	21.4	10.90
SR3	35	47.00	50.8	22.0	12.20
SR4	45	58.30	62.4	22.9	11.60
SR5	55	69.60	76.0	29.3	13.00
SR6	75	92.20	99.2	31.1	14.50

## O-ring Mechanical Series

### ... HX68 E

- **Operational Conditions:**  
**Temperature:** -40℃ +200℃  
**Pressure:** ≤0.8MPa  
**Speed:** ≤18m/s
- **Materials:**  
**Stationary Ring:** Q2, U2, B  
**Rotary Ring:** U2, F  
**Secondary Seal:** P, E, V  
**Spring and Metal parts:** F, G
- **Applications:** Clean water, sewage water, oil and other moderately corrosive fluids.



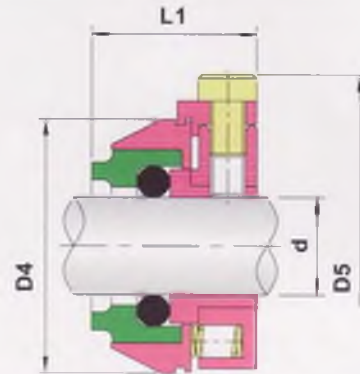
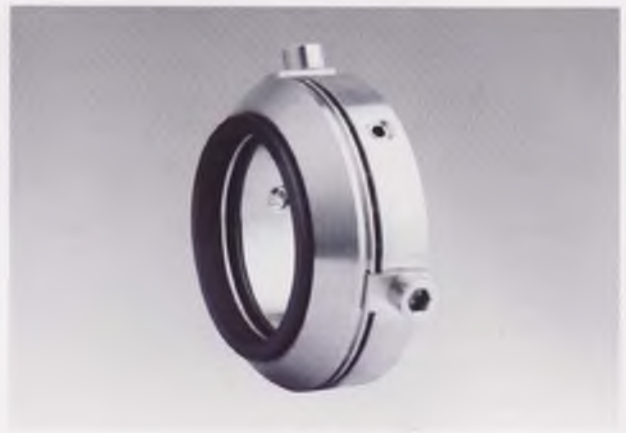
PUMP ref:	规格/Size 公制/Metric	D1	D3	L1	L2
10	30	40.0	41.0	19.1	9.3
20	35	44.5	45.5	19.1	9.2
30	50	62.0	61.9	21.1	10.4
40	70	85.0	88.9	25.8	14.1
50	80	95.0	101.0	25.8	16.2



## Cartidge Mechanical Seals

... L9

- **Operational Conditions:**
  - Temperature:** -50℃ to +204℃
  - Pressure:** ≤ 1.1MPa
  - Speed:** ≤ 15m/s
- **Materials:**
  - Rotary Ring:** B
  - Secondary Seal:** V,E,P,K
  - Spring and Metal parts:** F,G



规格/Size (公制/Metric)	L1	D4	D5
20.0	27.91	45.3	59.8
22.0	27.91	47.3	61.8
24.0	27.90	49.3	63.8
25.0	27.90	50.3	64.8
28.0	27.91	53.3	67.8
30.0	27.91	55.3	69.8
32.0	27.91	57.3	71.8
33.0	27.90	58.3	72.8
35.0	27.91	60.3	74.8
38.0	27.91	63.3	77.8
40.0	27.91	65.3	79.8
42.0	27.90	67.3	81.8
43.0	27.90	68.3	82.8
45.0	27.91	70.3	84.8
48.0	27.91	73.3	87.8
50.0	27.90	75.3	89.8
53.0	27.91	78.3	92.8
55.0	27.90	80.3	94.8
60.0	27.91	85.3	99.7
65.0	30.30	96.5	111.0
70.0	30.28	101.5	116.0
75.0	30.28	106.5	121.0
80.0	30.28	111.5	126.0
85.0	30.28	116.5	131.0
90.0	30.28	121.5	136.0
95.0	30.30	126.5	141.0
100.0	30.28	131.5	146.0

规格/Size Inches	L1	D4	D5
0.625"	1.098	1.622	2.192
0.750"	1.098	1.747	2.317
0.875"	1.098	1.872	2.442
1.000"	1.098	1.997	2.567
1.125"	1.098	2.122	2.692
1.250"	1.098	2.247	2.817
1.375"	1.098	2.372	2.942
1.500"	1.098	2.497	3.067
1.625"	1.098	2.622	3.192
1.750"	1.098	2.747	3.317
1.875"	1.098	2.872	3.442
2.000"	1.098	2.997	3.567
2.125"	1.098	3.122	3.692
2.250"	1.098	3.247	3.817
2.375"	1.098	3.372	3.942
2.500"	1.098	3.497	4.067
2.625"	1.192	3.866	4.436
2.750"	1.192	3.991	4.561
2.875"	1.192	4.116	4.686
3.000"	1.192	4.241	4.811
3.125"	1.192	4.366	4.936
3.250"	1.192	4.491	5.061
3.375"	1.192	4.616	5.186
3.500"	1.192	4.741	5.311
3.625"	1.192	4.866	5.436
2.750"	1.192	4.991	5.561
2.875"	1.192	5.116	5.686
4.000"	1.192	5.241	5.811

## O-ring Mechanical Series

... HX491

● **Operational Conditions:**

**Temperature:** -20℃ to +180℃

**Pressure:** ≤ 2.5MPa

**Speed:** ≤ 15m/s

● **Materials:**

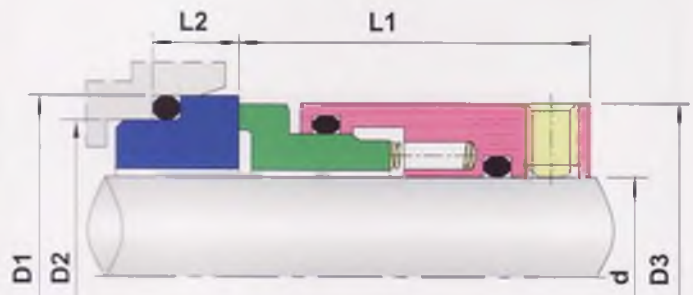
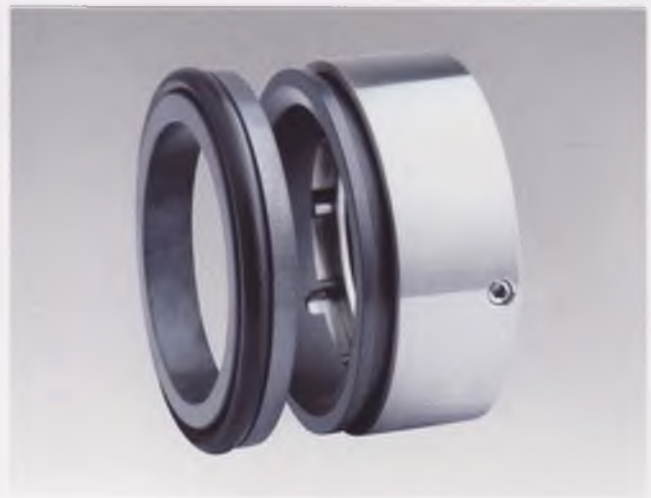
**Stationary Ring:** Q2, Q1, U2

**Rotary Ring:** B, A, Q1, Q2, U2

**Secondary Seal:** P, E, V

**Spring and Metal Parts:** F, G, M

● **Applications:** Clean water, sewage water, oil and other moderately corrosive fluids.



规格/Size (公制/Metric)	d	D1	D2	D3	L1	L2
18	18	33	27	32.28	30	7.5
20	20	35	29	34.29	30	7.5
22	22	37	31	36.3	30	7.5
24	24	39	33	38.3	30	7.5
25	25	40	34	39.29	30	7.5
28	28	43	37	42.29	35	7.5
30	30	45	39	44.3	35	7.5
32	32	48	42	46.3	35	7.5
33	33	48	42	47.9	35	7.5
35	35	50	44	49.48	35	7.5
38	38	56	49	54.28	35	9
40	40	58	51	56.08	35	9
43	43	61	54	59.08	35	9
45	45	63	56	61.09	35	9
48	48	66	59	64.11	35	9
50	50	70	62	66.09	35	9.5
53	53	73	65	71	35	11
55	55	75	67	71.07	35	11
60	60	80	72	77.14	35	11
65	65	85	77	83.01	35	11
68	68	90	81	91	35	11.3
70	70	92	83	86.08	35	11.3
75	75	97	88	98.43	48	11.3
80	80	105	95	104.79	48	12
85	85	110	100	107.95	48	12
90	90	115	105	114.3	48	14
100	100	125	115	123.83	48	14

## O-ring Mechanical Series

... HX591

● **Operational Conditions:**

**Temperature:** -20℃ to +180℃

**Pressure:** ≤ 2.5MPa

**Speed:** ≤ 15m/s

● **Materials:**

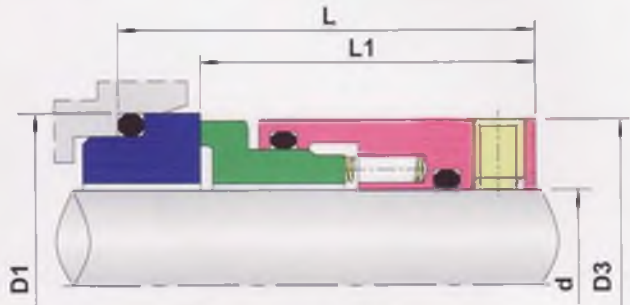
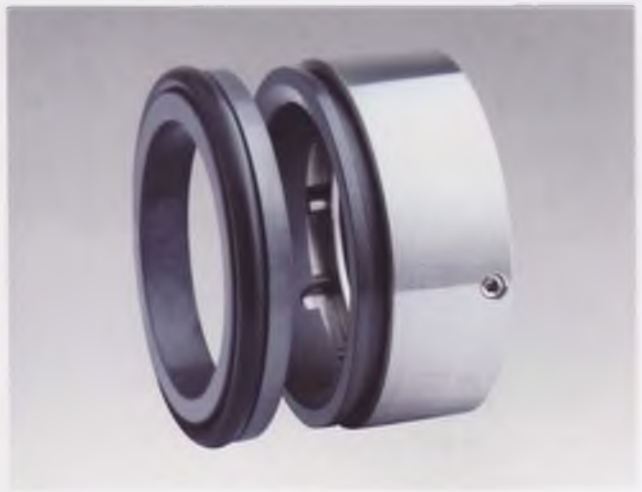
**Stationary Ring:** Q2, Q1, U2

**Rotary Ring:** B, A, Q1, Q2, U2

**Secondary Seal:** P, E, V

**Spring and Metal Parts:** F, G, M

● **Applications:** Clean water, sewage water, oil and other moderately corrosive fluids.



规格/Size (公制/Metric)	D3	D1 DIN	D1 STAND	L DIN	L STAND	L1
16	32.00	27.0	28.00	27.50	28.00	20.5
18	34.00	33.0	30.00	39.50	28.00	20.5
19	35.00	35.0	35.00	30.00	30.00	22.5
20	36.00	35.0	35.00	30.00	30.00	22.5
22	38.00	37.0	35.00	31.00	30.00	22.5
24	40.00	39.0	38.00	30.50	30.00	22.5
25	42.00	40.0	38.00	31.00	30.00	22.5
28	45.00	43.0	42.00	30.50	30.00	22.5
30	47.00	45.0	45.00	30.00	30.00	22.5
32	49.00	48.0	48.00	30.00	30.00	22.5
33	50.00	48.0	48.00	30.00	30.00	22.5
35	52.00	50.0	52.00	30.50	31.50	22.5
38	55.00	56.0	55.00	31.00	30.50	22.5
40	47.00	58.0	58.00	30.50	30.50	22.5
43	60.00	61.0	61.00	37.50	37.50	28.5
45	62.00	63.0	64.00	37.50	38.00	28.5
48	65.00	66.0	66.00	37.50	38.80	28.5
50	67.00	70.0	69.30	38.80	39.00	28.5
53	70.00	73.0	73.00	38.00	38.00	28.5
55	72.00	75.0	75.40	38.50	38.80	28.5
60	77.00	80.0	80.40	39.50	39.50	28.5
65	82.00	85.0	85.40	39.50	39.50	28.5
70	87.00	92.0	92.00	41.50	41.50	30.5
75	93.00	97.0	99.00	43.50	44.50	30.5
80	98.00	105.0	104.00	44.00	43.50	30.5
85	103.00	110.0	109.00	44.00	43.50	30.5
90	108.00	115.0	114.00	44.00	43.50	30.5
95	113.00	120.0	120.30	44.00	44.00	30.5
100	118.00	125.0	123.30	44.00	44.00	30.5



# O-ring Mechanical Series

... HX891

● **Operational Conditions:**

Temperature: -20°C to +180°C

Pressure: ≤ 2.5MPa

Speed: ≤ 15m/s

● **Materials:**

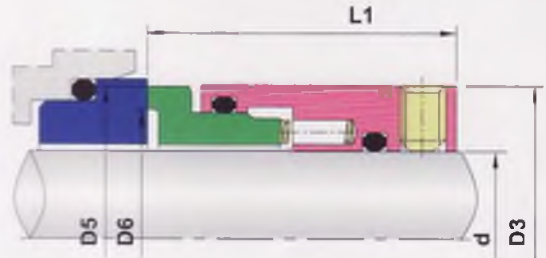
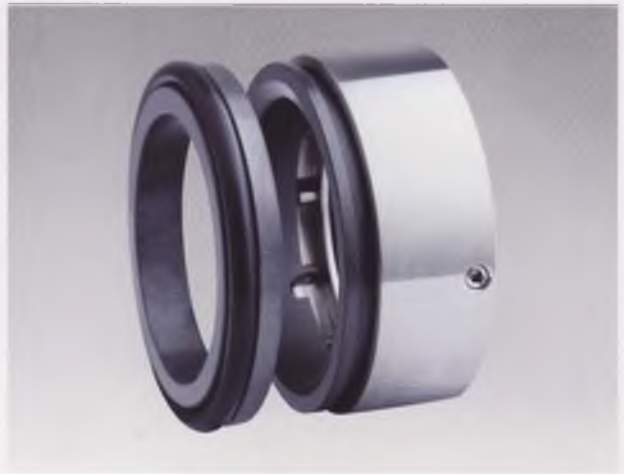
Stationary Ring: Q2,Q1,U2

Rotary Ring: B,A,Q1,Q2,U2

Secondary Seal: P,E,V

Spring and Metal Parts: F,G,M

● **Applications: Clean water, sewage water, oil and other moderately corrosive fluids.**



规格/Size (公制/Metric)	d	D5	D6	D3	L1
25	25	37.5	32.5	39.3	34.9
28	28	40	35	42.3	34.9
30	30	42	37	44.5	34.9
32	32	44.5	39	46.0	44.4
33	33	45.5	40	47.5	44.4
35	35	47.5	42	49.0	44.4
38	38	50.5	45	52.5	44.4
40	40	53	47	55.6	44.4
42	42	56	50	58.7	44.4
43	43	56	50	58.7	44.4
45	45	58	52	60.3	44.4
48	48	61	55	63.5	44.4
50	50	63.6	57.6	66.7	44.4
53	53	67.8	61.8	69.8	44.4
55	55	67.8	61.8	69.8	44.4
58	58	70.8	64.8	73.0	44.4
60	60	73.5	67.5	76.2	44.4
63	63	76.5	70.5	79.4	44.4
65	65	79.5	73.5	82.6	44.4
70	70	83.4	76.9	85.7	44.4
75	75	90.4	83.9	96.8	44.4
80	80	94.2	87.7	100.0	44.4
85	85	100.3	93.3	106.4	44.4
90	90	104.9	97.4	109.5	44.4
95	95	110.5	102.5	115.9	44.4
100	100	116.9	108.9	122.2	44.4

规格/Size (英制/Inch)	d	D5	D6	D3
1.000	25.4	37.5	32.5	39.3
1.125	28.5	40	35	42.3
1.250	31.7	44.5	39	46
1.375	34.9	47.5	42	49
1.500	38.1	50.5	45	52.5
1.625	41.2	55	49	57.2
1.750	44.4	58	52	60.3
1.875	47.6	61	55	63.5
2.000	50.8	63.6	57.6	66.7
2.125	53.9	67.8	61.8	69.8
2.250	57.1	70.8	64.8	73
2.375	60.3	73.5	67.5	76.2
2.500	63.5	76.5	70.5	79.4
2.625	66.6	79.5	73.5	82.6
2.750	69.8	86.4	76.9	85.7
2.875	73.0	88.4	79.9	88.9
3.000	76.2	90.4	83.9	96.8
3.125	79.3	94.2	87.7	100
3.250	82.5	97.3	90.3	103.2
3.375	85.7	100.3	93.3	106.4
3.500	88.9	104.9	97.4	109.5
3.625	92.0	106.9	99.4	112.7
3.750	95.2	110.5	102.5	115.9
3.875	98.4	113.7	105.7	119
4.000	101.6	116.9	108.9	122.2

# O-ring Mechanical Series

## ... RO-A

● **Operational Conditions:**

Temperature: -20℃ to +150℃

Pressure: ≤ 1.0MPa

Speed: ≤ 15m/s

● **Materials:**

Stationary Ring: B

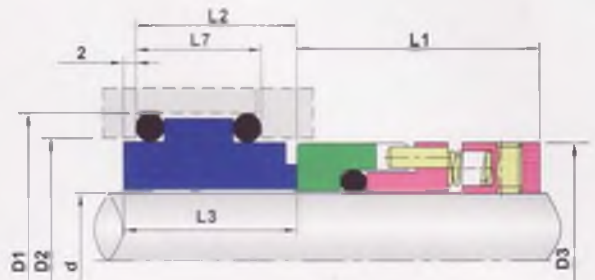
Rotary Ring: F,U2

Secondary Seal: P,E,V,T

Spring and Metal Parts: F,G

● **Seat Types:**

● **Applications:** Clean water, sewage water, oil and other moderately corrosive fluids.



规格/Size (公制/Metric)	d	D3	D2	D1	L7	L1	L2	L3
20	20	34	36	42	18	35	23	25
22	22	36	38	44	18	35	23	25
24	24	38	40	46	18	35	23	25
25	25	39	41	47	18	35	23	25
28	28	42	44	50	18	35	23	25
30	30	44	46	52	18	35	23	25
32	32	46	48	54	18	35	23	25
33	33	47	49	55	18	35	23	25
35	35	49	51	57	18	35	23	25
38	38	54	58	64	20	38	25	27
40	40	56	60	66	20	38	25	27
42	42	58	62	68	20	38	25	27
43	43	59	63	69	20	38	25	27
45	45	61	65	71	20	38	25	27
48	48	64	68	74	20	38	25	27
50	50	66	70	76	20	39	25	27
52	52	68	72	78	20	40	25	27
53	53	69	73	79	20	40	25	27
55	55	71	75	81	20	40	25	27
58	58	76	83	89	22	41	28	30
60	60	78	85	91	22	41	28	30
62	62	80	87	93	22	41	28	30
63	63	81	88	94	22	41	28	30
65	65	83	90	96	22	41	28	30
68	68	86	93	99	24	41	30	32
70	70	90	95	101	24	42	30	32
75	75	95	104	110	24	42	30	32
80	80	100	109	115	25	42	31	33
85	85	105	114	120	25	43	31	33
90	90	110	119	125	25	45	31	33
95	95	115	124	130	25	45	31	33
100	100	120	129	135	25	45	31	33

## O-ring Mechanical Series

### ... RO-B

- **Operational Conditions:**

**Temperature:** -20℃ to +180℃

**Pressure:** ≤ 1.0MPa

**Speed:** ≤ 15m/s

- **Materials:**

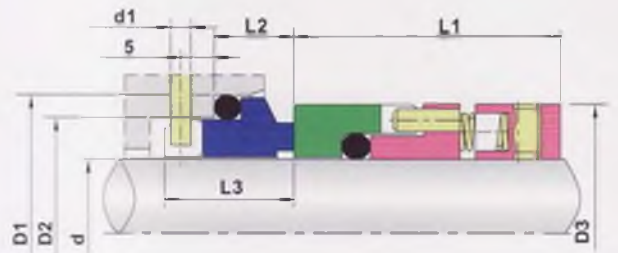
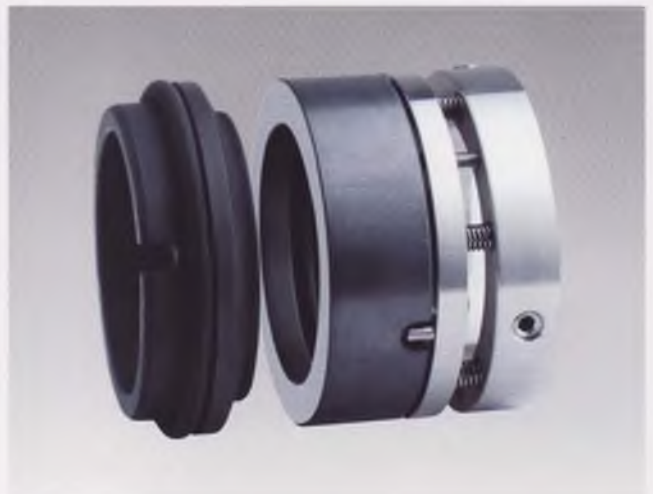
**Stationary Ring:** B

**Rotary Ring:** F,U2

**Secondary Seal:** P,E,V,T

**Spring and Metal Parts:** F,G

- **Applications:** Clean water, sewage water, oil and other moderately corrosive fluids



规格/Size (公制/Metric)	d	D3	D2	D1	d1	L1	L2	L3
20	20	34	29	35	3	35	13	21
22	22	36	31	37	3	35	13	21
24	24	38	33	39	3	35	13	21
25	25	39	34	40	3	35	13	21
28	28	42	37	43	3	35	13	21
30	30	44	39	45	3	35	13	21
32	32	46	42	48	3	35	13	21
33	33	47	42	48	3	35	13	21
35	35	49	44	50	3	35	13	21
38	38	54	50	56	4	38	13	21
40	40	56	52	58	4	38	13	21
43	43	59	55	61	4	38	13	21
45	45	61	57	63	4	38	13	21
48	48	64	60	66	4	38	13	21
50	50	66	62	68	4	39	13	21
53	53	69	65	71	4	40	13	21
55	55	71	67	73	4	40	13	21
58	58	76	70	79	4	41	16	24
60	60	78	72	81	4	41	16	24
63	63	81	75	84	4	41	16	24
65	65	83	77	86	4	41	16	24
68	68	86	81	90	4	41	16	24
70	70	90	83	92	4	42	16	24
75	75	95	88	97	4	42	16	24
80	80	100	96	105	4	42	16	24
85	85	105	101	110	4	43	16	24
90	90	110	106	115	4	45	16	24
95	95	115	111	120	4	45	16	24
100	100	120	116	125	4	45	16	24



# O-ring Mechanical Series

## ... RO-C

● **Operational Conditions:**

**Temperature:** -20℃ to +180℃

**Pressure:** ≦ 1.0MPa

**Speed:** ≦ 15m/s

● **Materials:**

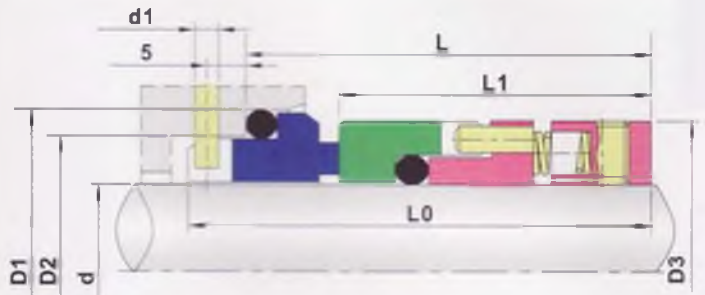
**Stationary Ring:** B

**Rotary Ring:** F,U2

**Secondary Seal:** P,E,V,T

**Spring and Metal Parts:** F,G

● **Applications:** Clean water, sewage water,  
Oil and other moderately corrosive fluids.



规格/Size (公制/Metric)	D3	D2	D1	d1	L0	L	L1
20	34	29	35	3	51	44	31
22	36	31	37	3	51	44	31
24	38	33	39	3	51	44	31
25	39	34	40	3	51	44	31
28	42	37	43	3	53	46	33
30	44	39	45	3	53	46	33
32	46	42	48	3	56	49	36
33	47	42	48	3	56	49	36
35	49	44	50	3	56	49	36
38	54	49	56	4	62	55	40
40	56	51	58	4	62	55	40
43	59	54	61	4	64	57	42
45	61	56	63	4	64	57	42
48	64	59	66	4	64	57	42
50	66	62	70	4	65	58	42
53	69	65	73	4	65	58	42
55	71	67	75	4	65	58	42
58	78	70	78	4	66	59	43
60	80	72	80	4	66	59	43
63	83	75	83	4	66	59	43
65	85	77	85	4	66	59	43
68	88	81	90	4	68	61	43
70	90	83	92	4	69	62	44
75	99	88	97	4	69	62	44
80	104	95	105	4	74	67	49
85	109	100	110	4	74	67	49
90	114	105	115	4	74	67	49
95	119	110	120	4	74	67	49
100	124	115	125	4	74	67	49
105	129	120	130	4	74	67	49
110	138	125	136	4	74	67	49
115	143	130	141	4	74	67	49
120	148	135	146	4	74	67	49

## Elastomer Bellow Mechanical Seals

### \*\*\* W10R, 10T

- **Operational Conditions:**

Temperature: -20℃ to +120℃

Pressure: ≤ 0.5MPa

Speed: ≤ 10m/s

- **Materials:**

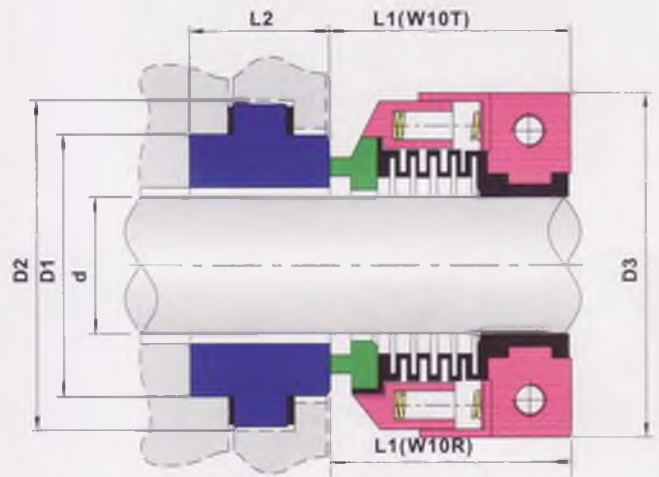
Stationary Ring: Q2, V2

Rotary Ring: Teflon, Q2

Secondary Seal: Teflon

Spring and Metal Parts: F, G

- **Applications:** Sulfuric acid, hydrocarbon acid, Phosphoric acid, acetic acid, and nitric acid  
With various degrees, etc.



规格/Size (英制/Inch)	D3	D2	D1	L2	L1
25.4	60	54	42.86	17.6	33.2
28.6	67	65	50.80	27	36.2
31.75	69	68	53.98	27	37.2
34.93	72	71	57.15	27	38.2
38.1	76	78	63.50	27	38.2
41.28	80	81	66.68	27	40.2
44.45	84	84	69.85	27	40.2
47.63	86	87	73.03	27	43.2
50.8	90	97	79.38	33.3	43.2

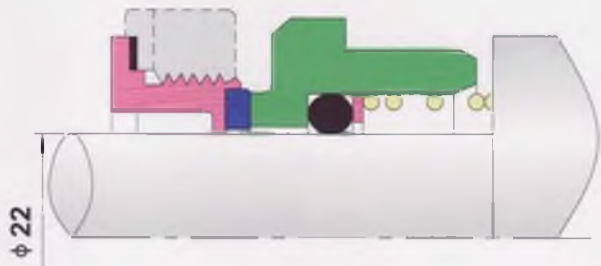
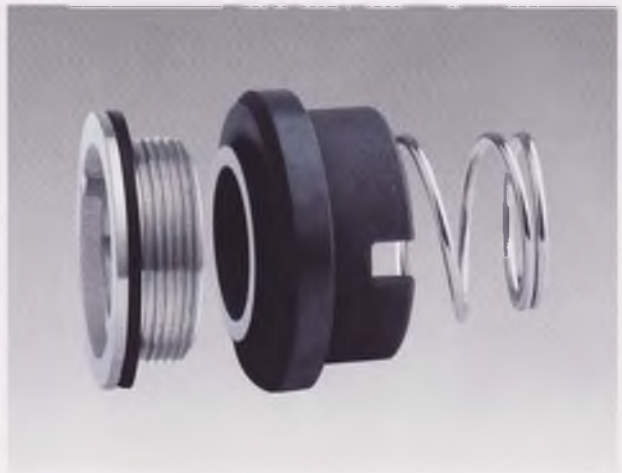
## Mechanical Seals for Sanitary Pumps

... 91-22

- **91-22 Seals For Alfa Laval Pumps,  
(Replace AES P07)**

- **Materials:**  
**Stationary Ring: F,G,Q22,U22**  
**Rotary Ring: B**  
**Secondary Seal: V,P,E**  
**Spring and Metal Parts: F,G**

- **Size: 22MM**



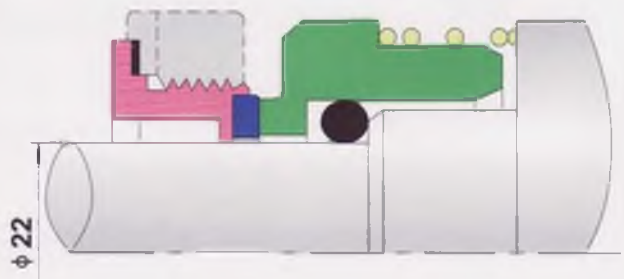
## Mechanical Seals for Sanitary Pumps

... 91B-22

- **91B-22 Seals For Alfa Laval Pumps,  
(Replace AES P07)**

- **Materials:**  
**Stationary Ring: F,G,Q22,U22**  
**Rotary Ring: B**  
**Secondary Seal: V,P,E**  
**Spring and Metal Parts: F,G**

- **Size: 22MM**

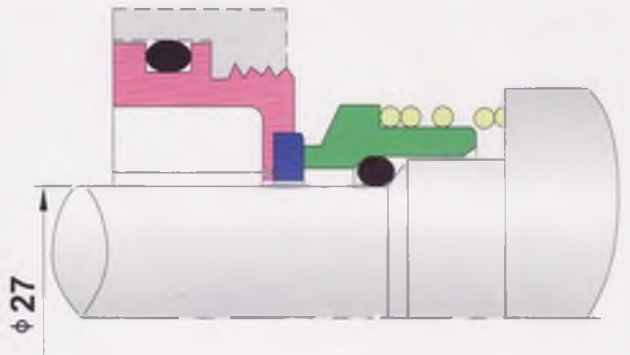




## Mechanical Seals for Sanitary Pumps

### ... 92-27

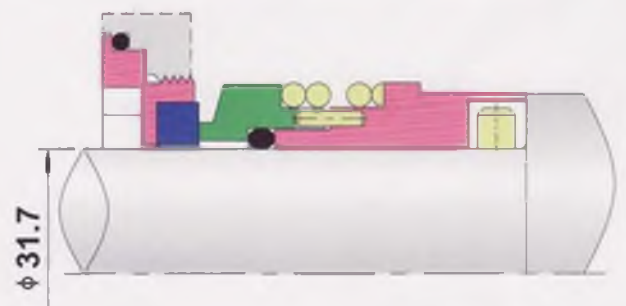
- **92-27 Seals For Alfa Laval Pumps,  
(Replace AES P07)**
- **Materials:**  
**Stationary Ring: F,G,Q22,U22**  
**Rotary Ring: B**  
**Secondary Seal: V,P,E**  
**Spring and Metal Parts: F,G**
- **Size: 27MM**



## Mechanical Seals for Sanitary Pumps

### ... 92-35

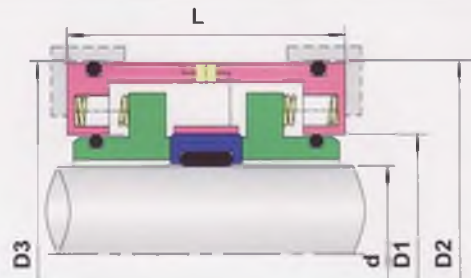
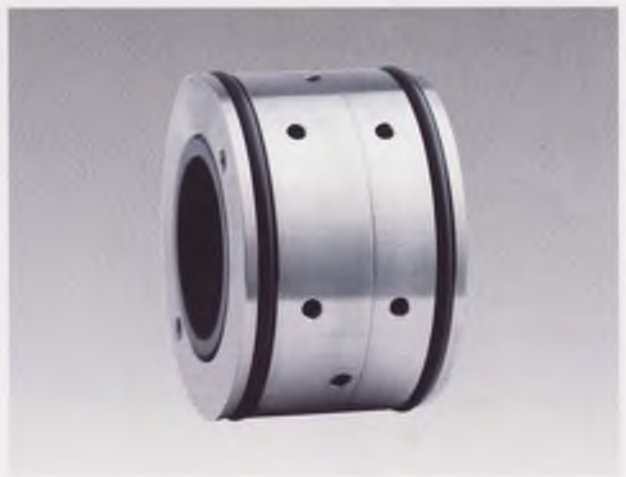
- **92-35 Seals For Alfa Laval Pumps,  
With single seals**
- **Materials:**  
**Stationary Ring: F,G,Q22**  
**Rotary Ring: B,Q2**  
**Secondary Seal: V,P,E**
- **Size: 31.7MM**



## Mechanical Seals for Sanitary Pumps

### ... EMU

- **EMU Seals used for E.M.U Pumps and Mixers.**
- **Operational Conditions:**  
**Temperature: -40°C to +200°C**  
**Pressure: ≤ 1.2MPa**  
**Speed: ≤ 20m/s**
- **Materials:**  
**Stationary Ring: F, Q2**  
**Rotary Ring: Q2, U2**  
**Secondary Seal: V, E, P**  
**Spring and Metal parts: F, G**

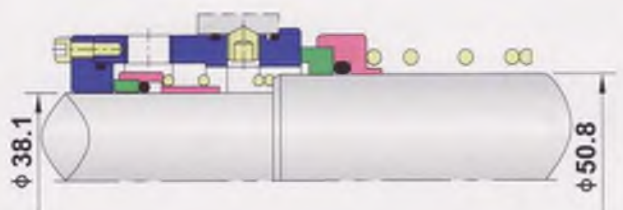
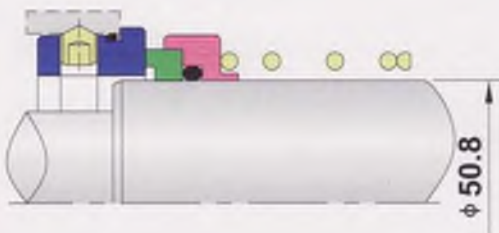
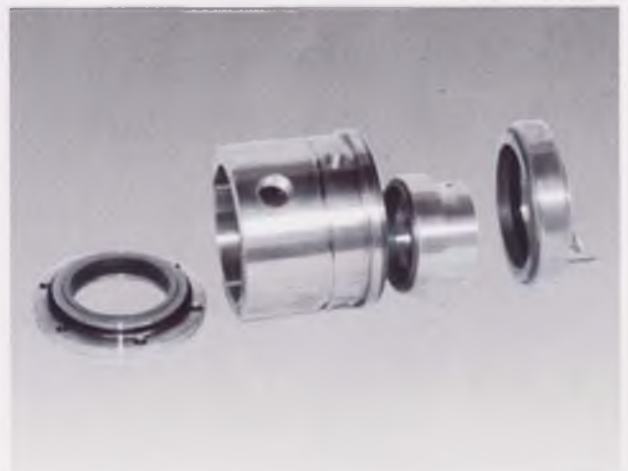


规格/Size (公制/Metric)	Code	D1	D2	D3	L
35	0.350	47	72	72	47
50	0.500	63	90	92	52
75	0.750	95	128	130	75

## Mechanical Seals for Sanitary Pumps

### ... HOM2

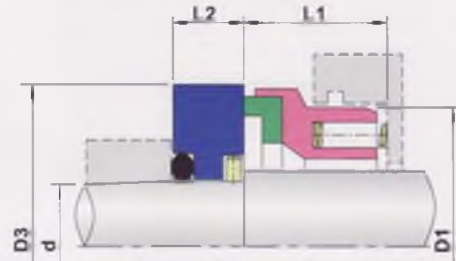
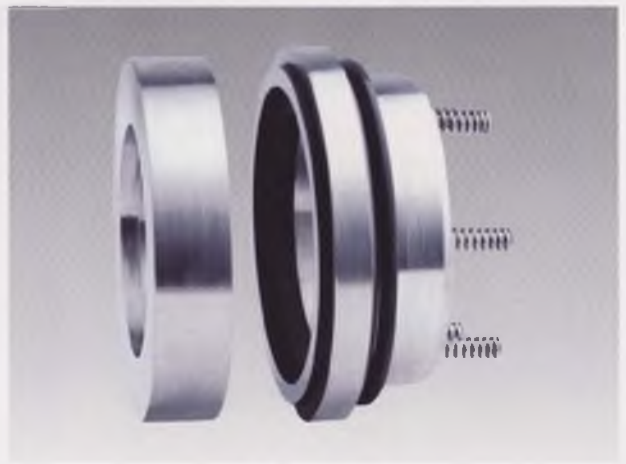
- **HOM2 Seals Alfa Laval Contherm scraped surface heat exchangers.**
- **Materials:**  
**Stationary Ring: Q2**  
**Rotary Ring: B**  
**Secondary Seal: V, P, E**
- **Spring and Metal Parts: F, G**



## Mechanical Seals for Sanitary Pumps

... T50

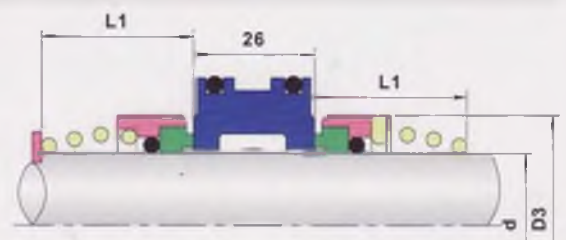
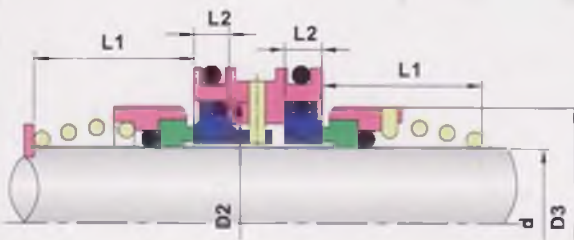
- T50 Both Single and Double Seals suit INOXPA PROLAC and SLR Pumps. Multi-spring design.
- Materials:  
**Stationary Ring: Q22,B**  
**Rotary Ring: B**  
**Secondary Seal: V,P,E**  
**Spring and Metal Parts: F,G**



规格/Size (英制/Inch)	D3	D1	L1	L2
15.8	44.5	36.1	24.0	10.5
25.4	53.5	44.0	24.0	10.0
38.1	74.0	64.0	28.0	15.5

## Mechanical Seals for Sanitary Pumps

... 208



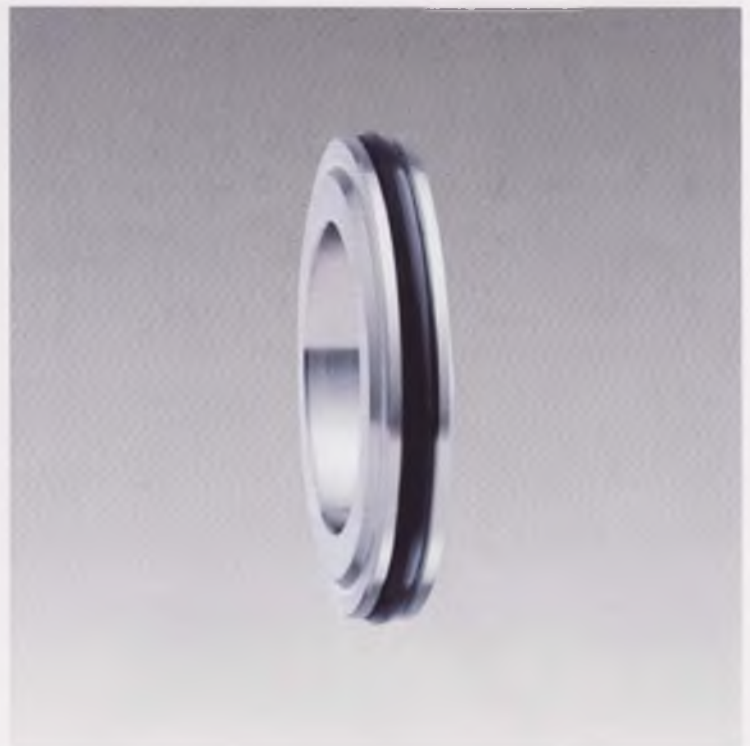
规格/Size (公制/Metric)	D2	D3	L1	L2
30	48.0	43.8	22.0	7.6
35	55.5	48.9	26.0	8.6



## Mechanical Seals for Sanitary Pumps

... 208/12B

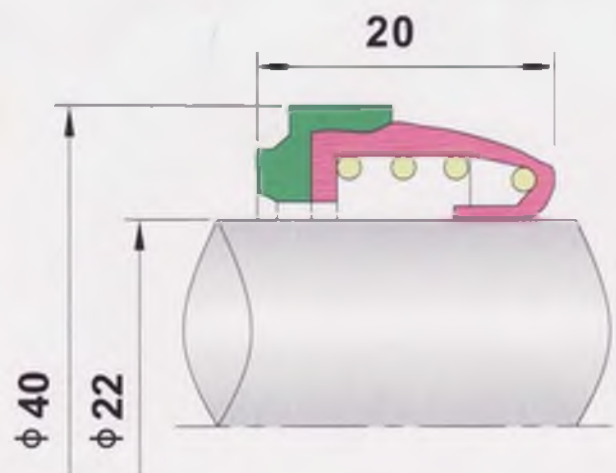
- **Materials:**  
monolithic F/Q22/Monolithic  
Q2,/U22,/U2.
- **Design:**  
Outboard seal.



## Mechanical Seals for Sanitary Pumps

... 2200/1

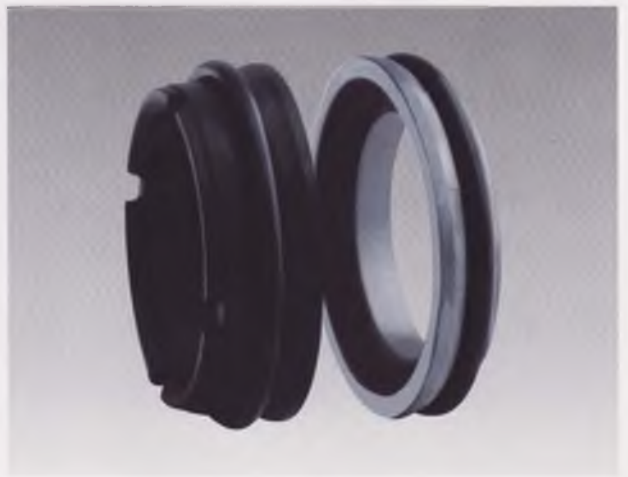
- 2200/1 seals used for Food, Beverage  
And Dairy Industries.
- **Materials:**  
Outboard encased rotary, carbon face.
- **Size: 22MM and 1"**



## Mechanical Seals for Sanitary Pumps

... 160B

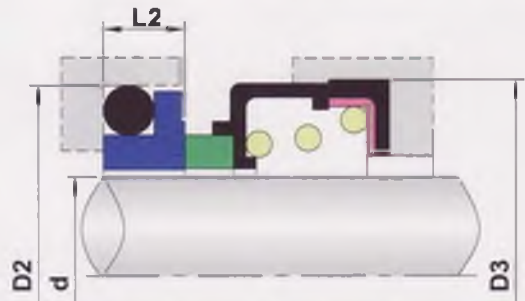
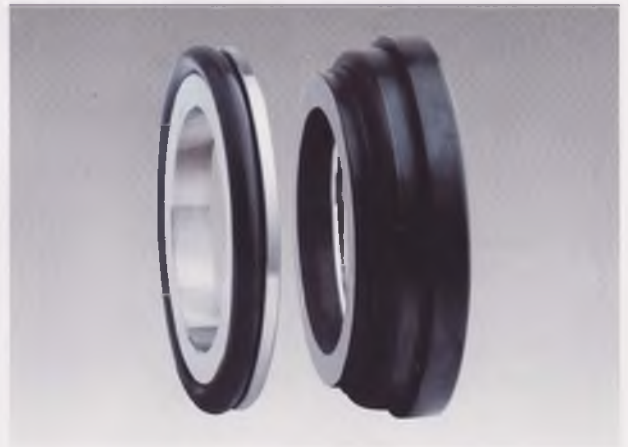
- 160B Seals suit APV "World" +Pumps
- Materials:  
**B** long face vs **Q2** short face.  
**Q2** long face vs **Q2** short face.  
 Secondary Seal: V,P,E
- Size: 25MM, 35MM, 55MM



## Mechanical Seals for Sanitary Pumps

... 28

- 28 Seals For Common O.E.M Pumps, the type suit Imperial Machine Company waste-disposal units.
- Materials:  
**Rotary Ring: F,B**  
**Stationary Ring: Q2**  
**Secondary Seal: V,P,E**  
**Spring and Metal Parts: F,G**

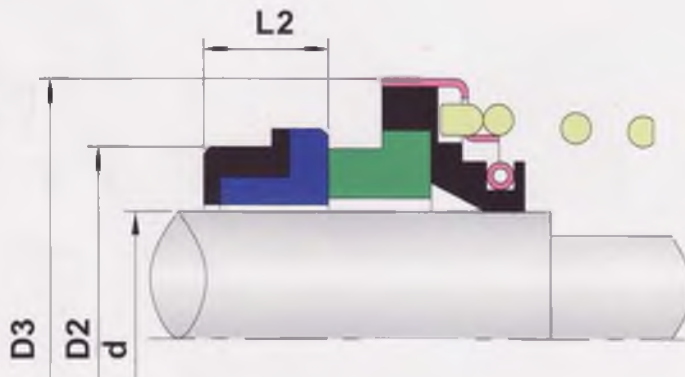
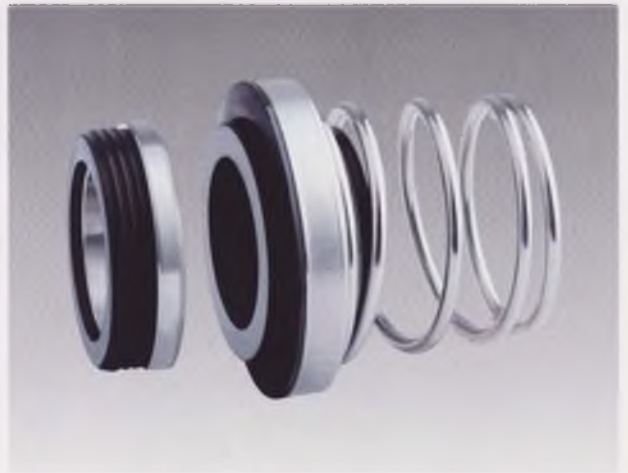


规格/Size (公制/Metric)	D3	D2	L2
31.7	57.5	--	--
44.4	70.0	67	7.5

## Mechanical Seals for Sanitary Pumps

... 290

- 290 Seals used For APV Pumps.
- Operational Conditions:
  - Temperature:  $-40^{\circ}\text{C}$  to  $+180^{\circ}\text{C}$
  - Pressure:  $\leq 0.8\text{MPa}$
  - Speed:  $\leq 15\text{m/s}$
- Materials:
  - Stationary Ring: Q2, F, B
  - Rotary Ring: Q2, F, B
  - Secondary Seal: P, E, V
  - Spring and Metal parts: F, G



规格/Size (公制/Metric)	Code	D2	D3	L2
20	0.200	30.00	40.60	9.8
25	0.250	35.00	45.40	9.8
30	0.300	42.00	57.00	13



## Mechanical Seals for Sanitary Pumps

... 94

- **Operational Conditions:**

**Temperature:** -20℃ to +200℃

**Pressure:** ≤ 2.5MPa

**Speed:** ≤ 20m/s

- **Materials:**

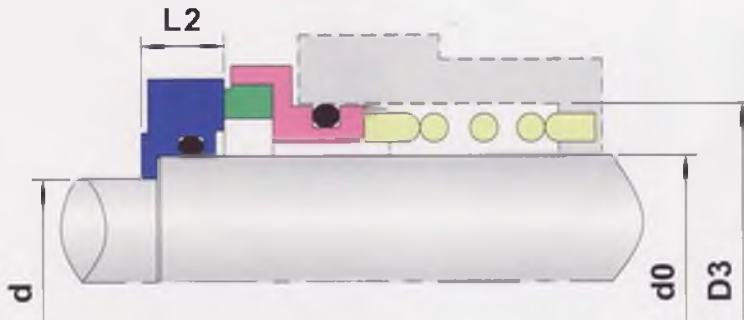
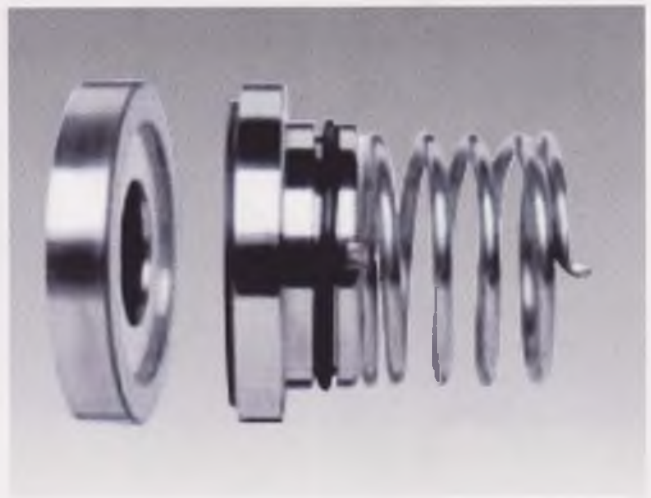
**Stationary Ring:** F, U2

**Rotary Ring:** B, Q2, U2

**Secondary Seal:** V, E, P

**Spring and Metal parts:** F, G

- **Applications:** Water, Oil, weak acid, weak alkali, etc.



规格/Size (公制/Metric)	d0	D3	L2
12	16.0	30.0	7.0
18	25.0	50.0	11.0
21	25.0	50.0	11.0
28	36.0	50.0	11.0
40	50.0	64.0	14.0

# Mechanical Seals for Sanitary Pumps

... 260

● **GW260 Seals used on the 1.0" and 1.5" shaft APV Puma pumps.**

● **Materials:**

a.(Rotary Ring): B

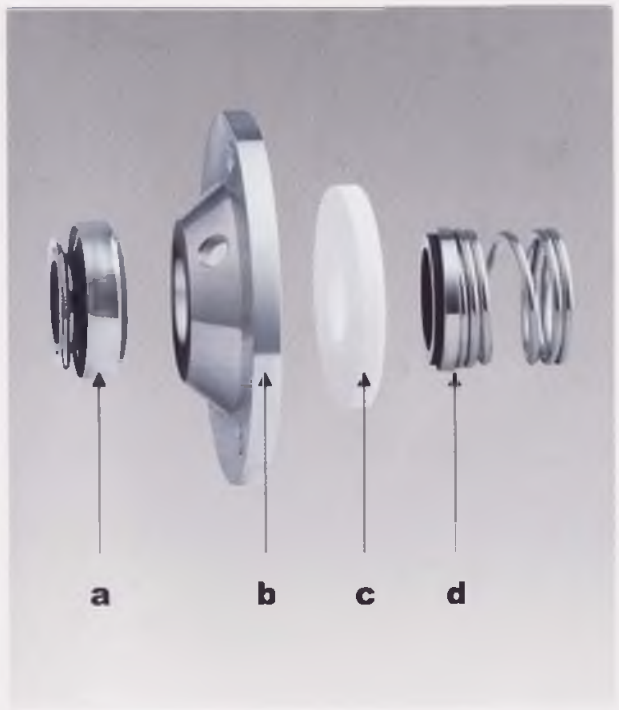
b.(Stationary Ring): F,G

c.(Stationary Ring): Q2,V,F

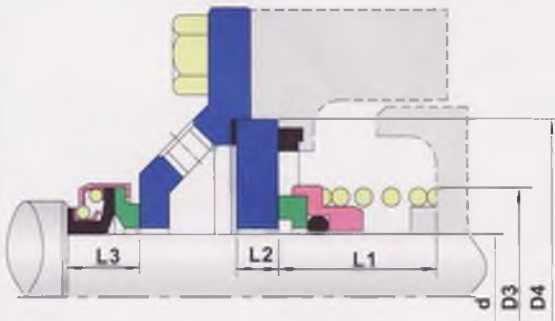
d.(Rotary Ring): B,Q2

**Secondary Seal: V,P,E**

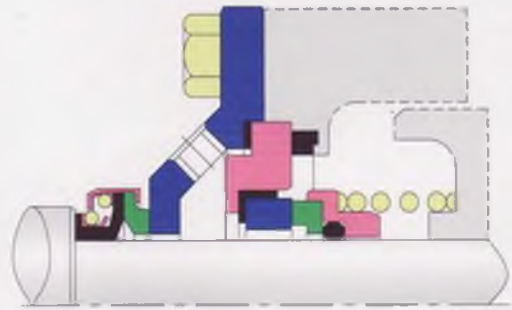
**Spring and Metal Parts: F,G**



260-001



260-002



规格/Size (英制/Inch)	d	D3	D4	L1	L2	L3
1.000	25.4	41.20	68.20	25.40	7.80	14.00
1.500	38.1	55.70	80.10	33.30	9.00	17.00

## Mechanical Seals for Sanitary Pumps

... 260A

- **GW260A Seals used on the 1.0" and 1.5" shaft APV Puma pumps.**

- **Materials:**

- a.(Rotary Ring): B

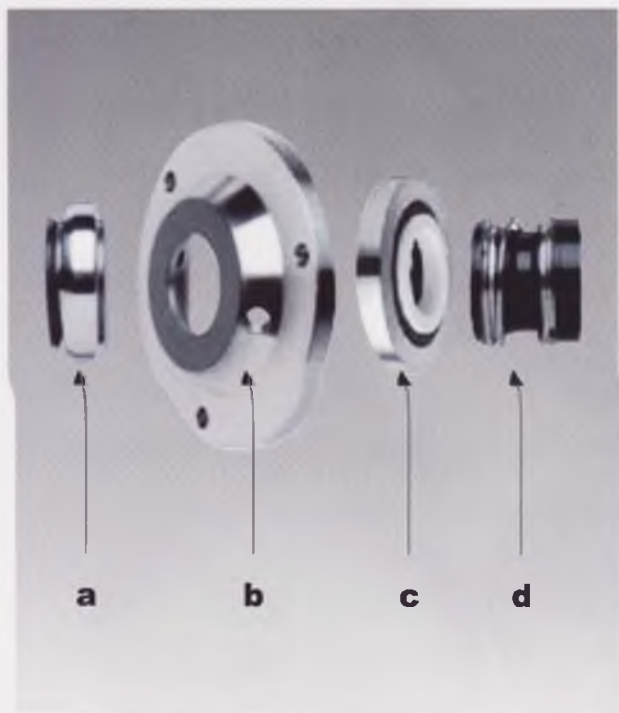
- b.(Stationary Ring): F,G

- c.(Stationary Ring): V1

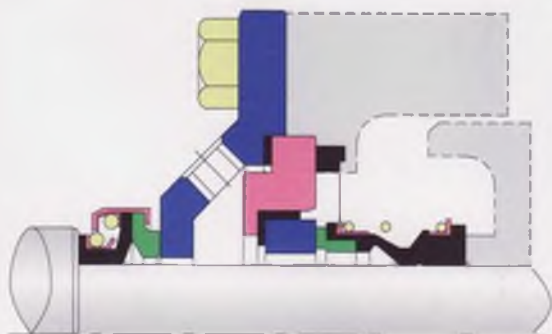
- d.(Rotary Ring): P.E.V

- Secondary Seal: V,P,E

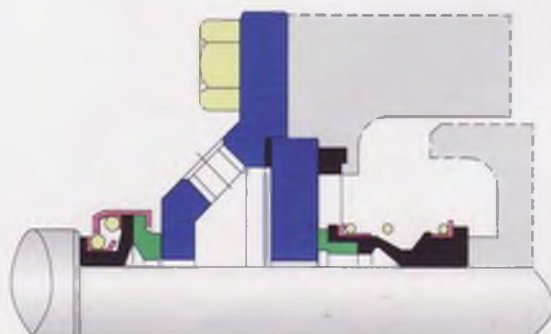
- Spring and Metal Parts: F,G



260A-001



260A-002





## Metal Bellow Mechanical Seals

... 685

● **Operational Conditions:**

**Temperature:** -20℃ to +200℃

**Pressure:** ≤ 2.1MPa

**Speed:** ≤ 23m/s

● **Materials:**

**Stationary Ring:** U2,Q2

**Rotary Ring:** B,Q2,U2

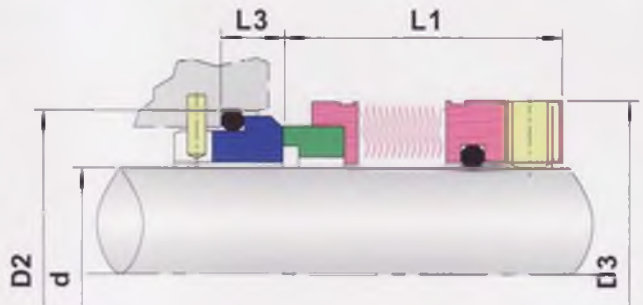
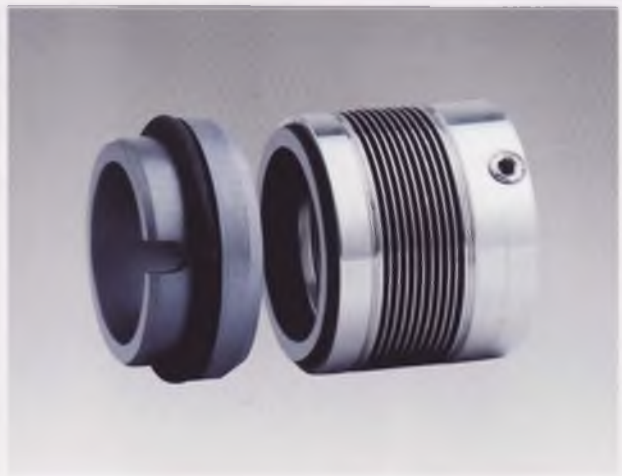
**Secondary Seal:** V,E,P

**Bellows:** T6,

**Spring and Metal Parts:** F,G

● **Applications:** Oil, light hydrocarbon, aromatic

Hydrocarbon, organic solvents, weak acids,  
ammonia etc.

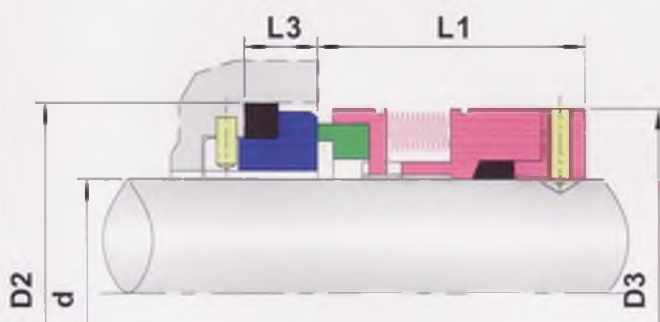


规格/Size (公制/Metric)	d	D3	D2	L3	L1
16	16	30.00	27.0	10.0	32.5
18	18	32.00	33.0	11.5	30.5
20	20	33.50	35.0	11.5	30.5
22	22	36.50	37.0	11.5	30.5
24	24	39.00	39.0	11.5	28.5
25	25	39.60	40.0	11.5	28.5
28	28	42.80	43.0	11.5	31.0
30	30	45.00	45.0	11.5	31.0
32	32	46.00	48.0	11.5	31.0
33	33	48.00	48.0	11.5	31.0
35	35	49.20	50.0	11.5	31.0
38	38	52.30	56.0	14.0	31.0
40	40	55.50	58.0	14.0	31.0
43	43	57.50	61.0	14.0	31.0
45	45	58.70	63.0	14.0	31.0
48	48	61.90	66.0	14.0	31.0
50	50	65.00	70.0	15.0	32.50
53	53	68.20	73.0	15.0	32.5
55	55	70.00	75.0	15.0	32.5
58	58	71.70	78.0	15.0	37.5
60	60	74.60	80.0	15.0	37.5
63	63	79.00	83.0	15.0	37.5
65	65	84.10	85.0	15.0	37.5
68	68	87.30	90.0	18.0	34.5
70	70	87.30	92.0	18.0	42.0
75	75	95.00	97.0	18.0	42.0
80	80	98.40	105.0	18.2	41.8
85	85	104.70	110.0	18.2	41.8
90	90	111.00	115.0	18.2	46.8
95	95	114.00	120.0	17.2	47.8
100	100	117.40	125.0	17.2	47.8

## Metal Bellow Mechanical Seals

... 686

- **Operational Conditions:**
  - Temperature:** -20℃ to +370℃
  - Pressure:** ≤ 2.0MPa
  - Speed:** ≤ 23m/s
- **Materials:**
  - Stationary Ring:** U2, Q2
  - Rotary Ring:** B, Q2, U2
  - Secondary Seal:** Graphite
  - Bellows:** T6,
  - Spring and Metal parts:** F, G
- **Applications:** Oil, light hydrocarbon, aromatic hydrocarbon, organic solvents, weak acids, ammonia etc.



规格/Size (公制/Metric)	d	D3	D2	L3	L1
16	16	38.0	35.0	11.5	46.7
18	18	40.0	37.0	11.5	46.7
20	20	42.0	40.0	11.5	46.7
22	22	44.0	43.0	11.5	46.7
24	24	46.0	43.0	11.5	46.7
25	25	47.0	45.0	11.5	46.7
28	28	50.0	48.0	11.5	46.7
30	30	52.0	50.0	11.5	46.7
32	32	54.0	56.0	14.0	46.7
33	33	55.0	56.0	14.0	46.7
35	35	57.0	58.0	14.0	46.7
38	38	60.0	61.0	14.0	46.7
40	40	66.0	63.0	14.0	47.7
43	43	69.0	66.0	14.0	47.7
45	45	71.0	70.0	15.0	47.7
48	48	74.0	73.0	15.0	47.7
50	50	76.0	75.0	15.0	47.7
53	53	79.0	78.0	15.0	47.7
55	55	81.0	80.0	15.0	47.7
58	58	85.0	83.0	15.0	53.2
60	60	87.0	85.0	15.0	53.2
63	63	90.0	90.0	18.0	53.2
65	65	92.0	92.0	18.0	53.2
68	68	95.0	97.0	18.0	53.2
70	70	97.0	97.0	18.0	53.2
75	75	102.0	105.0	18.2	53.0
80	80	107.0	110.0	18.2	53.0
85	85	112.0	115.0	18.2	53.0
90	90	117.0	120.0	17.2	54.0
95	95	122.0	125.0	17.2	54.0
100	100	127.0	134.3	20.0	54.2

## Metal Bellow Mechanical Seals

... 687

● **Operational Conditions:**

**Temperature:** -75℃ to +200℃

**Pressure:** ≤2.0MPa

**Speed:** ≤23m/s

● **Materials:**

**Stationary Ring:** U2, Q2

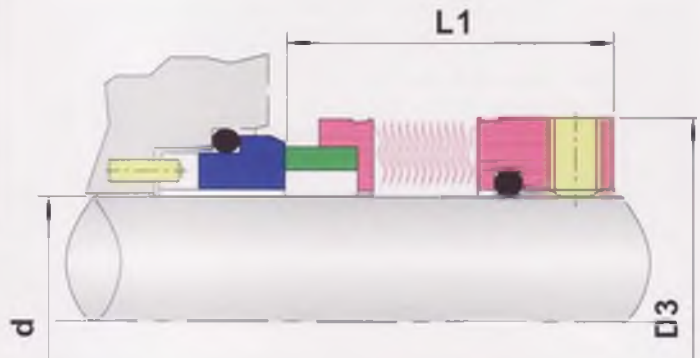
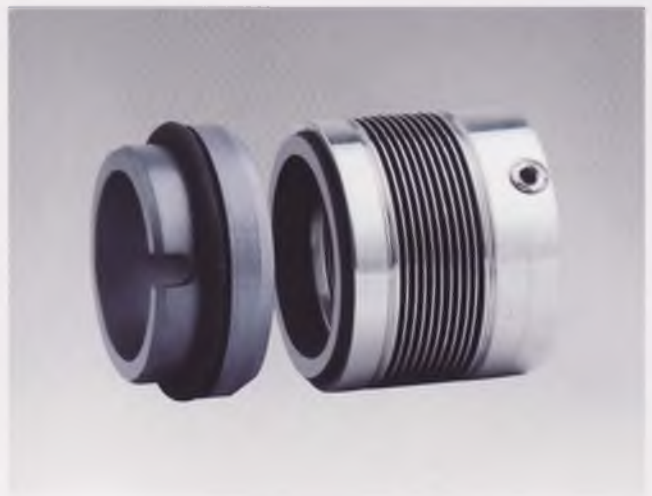
**Rotary Ring:** B, Q2, U2

**Secondary Seal:** V, E, P

**Bellows:** T6,

**Spring and Metal parts:** F, G, M

- **Applications:** Oil, light hydrocarbon, aromatic Hydrocarbon, organic solvents, weak acids, ammonia etc.



规格/Size (英制/Inch)	d	D3	L1
0.750	0.750	1.312	1.250
0.875	0.875	1.437	1.250
0.937	0.937	1.500	1.250
1.000	1.000	1.562	1.250
1.125	1.125	1.687	1.250
1.250	1.250	1.812	1.312
1.375	1.375	1.937	1.437
1.500	1.500	2.063	1.437
1.625	1.625	2.187	1.437
1.750	1.750	2.312	1.437
1.875	1.875	2.437	1.500
2.000	2.000	2.562	1.500
2.125	2.125	2.687	1.500
2.250	2.250	2.812	1.562
2.375	2.375	2.937	1.562
2.500	2.500	3.187	1.562
2.625	2.625	3.312	1.625
2.750	2.750	3.437	1.625
2.875	2.875	3.625	1.687
3.000	3.000	3.750	1.687
3.125	3.125	3.875	1.750
3.250	3.250	4.000	1.750
3.375	3.375	4.125	1.750
3.500	3.500	4.250	1.875
3.625	3.625	4.375	1.875
3.750	3.750	4.500	1.875
3.880	3.880	4.625	1.875
4.000	4.000	4.750	1.875

规格/Size (公制/Metric)	d	D3	L1
18	18	32.00	27.7
20	20	33.30	27.7
22	22	36.00	27.7
24	24	38.10	30.2
25	25	39.00	30.2
28	28	42.00	32.7
30	30	44.00	32.7
32	32	46.00	32.7
33	33	47.00	32.7
35	35	49.20	32.7
38	38	52.40	34.2
40	40	55.60	34.2
43	43	58.70	34.2
45	45	58.70	34.2
48	48	61.90	34.2
50	50	65.10	34.7
53	53	68.30	34.7
55	55	71.00	34.7
60	60	74.60	39.7
65	65	84.10	39.7
70	70	87.30	45.2
75	75	95.30	45.2
80	80	98.40	44.7
85	85	104.80	44.7
90	90	108.00	49.7
95	95	114.30	49.7



## Metal Bellow Mechanical Seals

... 688

- **Operational Conditions:**

**Temperature:** -75℃ to +400℃

**Pressure:** ≤2.0MPa(Single)

**Speed:** ≤23m/s

- **Materials:**

**Stationary Ring:** U2, Q2

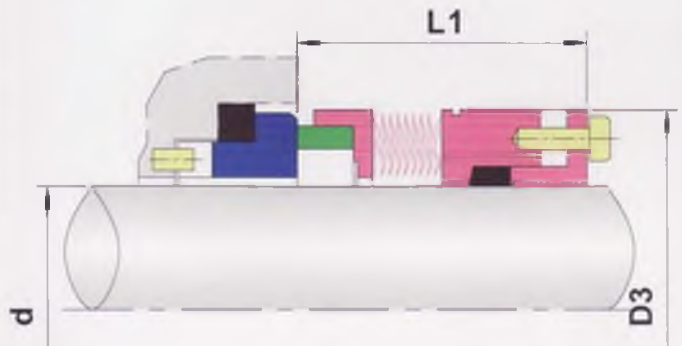
**Rotary Ring:** B, Q2, U2

**Secondary Seal:** Graphite

**Bellows:** T6,

**Spring and Metal parts:** F, G

- **Applications:** Oil, light hydrocarbon, aromatic Hydrocarbon, organic solvents, weak acids, ammonia etc.

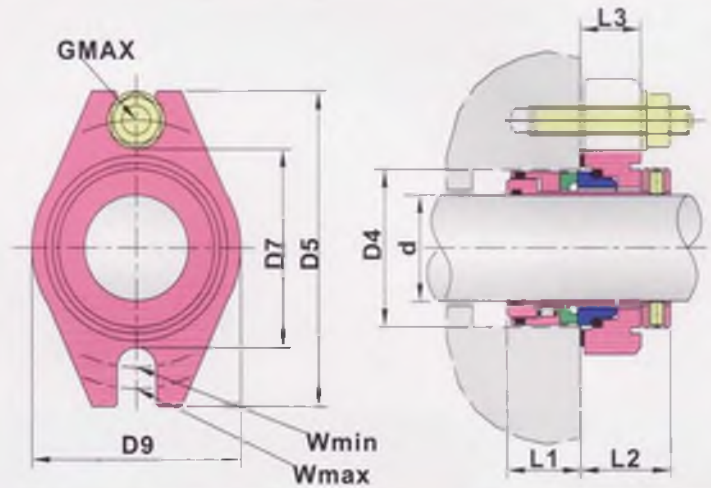
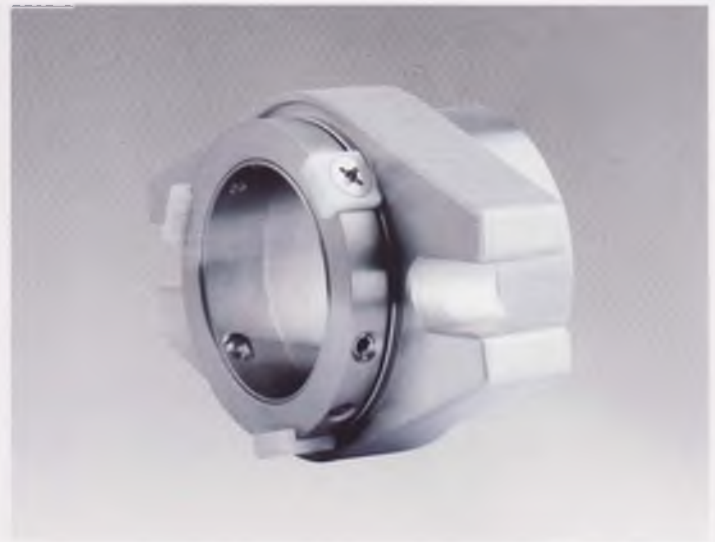


规格/Size (公制/Metric)	d	D3	L1
25.40	25.40	41.28	38.95
28.58	28.58	44.45	39.87
31.75	31.75	47.63	40.66
34.93	34.93	50.80	40.66
38.10	38.10	53.98	40.66
41.28	41.28	57.15	40.66
44.45	44.45	60.33	41.48
47.63	47.63	63.50	41.48
50.80	50.80	66.68	42.26
53.98	53.98	69.85	42.26
57.15	57.15	73.03	43.86
60.33	60.33	76.20	43.86
63.50	63.50	82.55	44.65
66.68	66.68	85.73	45.44
69.85	69.85	88.90	45.44
73.03	73.03	93.65	47.83
76.20	76.20	96.82	47.83
79.38	79.38	101.60	47.83
82.55	82.55	104.78	47.83
85.73	85.73	107.95	47.83
88.90	88.90	111.13	47.83
92.08	92.08	114.30	47.83
95.25	95.25	117.48	47.83
98.43	98.43	120.65	47.83
101.60	101.60	123.83	47.83

# Cartidge Mechanical Seals

## ... HXCN2

- **Operational Conditions:**  
**Temperature:** -20℃ to +210℃  
**Pressure:** ≤ 2.5MPa  
**Speed:** ≤ 15m/s
- **Materials:**  
**Stationary Ring:** Q1, A, V1  
**Rotary Ring:** A, Q1, U2  
**Secondary Seal:** E, V, Aflas, kalrez  
**Spring and Metal parts:** F, G, M
- **Applications:** Clean water, sewage water, oil and other moderately corrosive fluids.



规格/Size (英制/Inch)	D5	D7	L3	D9	D4		W		G	L1	L2
					MIN	MAX	MIN	MAX			
1.000	4.000	2.187	0.812	2.208	1.625	1.875	2.750	3.500	1/2	1.125	1.250
1.125	4.125	2.312	0.812	2.333	1.750	2.000	2.875	3.625	1/2	1.125	1.250
1.250	4.250	2.437	0.812	2.458	1.875	2.125	3.000	3.750	1/2	1.125	1.250
1.375	4.250	2.625	0.812	2.645	2.000	2.250	3.187	3.750	1/2	1.125	1.250
1.500	4.500	2.812	0.875	2.833	2.250	2.500	3.375	4.000	1/2	1.125	1.312
1.625	4.750	2.937	0.875	2.958	2.375	2.625	3.500	4.250	1/2	1.125	1.312
1.750	5.000	3.062	0.937	3.083	2.500	2.750	3.625	4.500	1/2	1.187	1.375
1.875	5.250	3.187	0.937	3.207	2.625	2.875	3.750	4.750	1/2	1.187	1.375
2.000	5.500	3.312	1.000	3.333	2.750	3.000	4.000	4.875	5/8	1.187	1.437
2.125	5.750	3.437	1.000	3.458	2.875	3.125	4.125	5.125	5/8	1.187	1.437
2.250	6.500	3.750	1.000	3.895	3.000	3.375	4.562	5.750	3/4	1.187	1.437
2.375	6.500	3.750	1.000	3.895	3.125	3.375	4.562	5.750	3/4	1.187	1.437
2.500	7.000	4.375	1.000	4.770	3.375	4.000	5.187	6.250	3/4	1.125	1.625
2.625	7.000	4.375	1.000	4.770	3.500	4.000	5.187	6.250	3/4	1.125	1.625
2.750	7.000	4.375	1.000	4.770	3.625	4.000	5.187	6.250	3/4	1.125	1.625
2.875	7.500	4.937	1.250	5.145	3.750	4.500	5.750	6.750	3/4	1.187	2.000
3.000	7.500	4.937	1.250	5.145	3.875	4.500	5.750	6.750	3/4	1.187	2.000
3.125	7.500	4.937	1.250	5.145	4.000	4.500	5.750	6.750	3/4	1.187	2.000
3.250	8.000	5.312	1.250	5.520	4.125	4.875	6.125	7.250	3/4	1.187	2.000
3.375	8.000	5.312	1.250	5.520	4.250	4.875	6.125	7.250	3/4	1.187	2.000
3.500	8.000	5.312	1.250	5.520	4.375	4.875	6.125	7.250	3/4	1.187	2.000
3.625	8.500	5.687	1.250	5.895	4.500	5.250	6.500	7.750	3/4	1.187	2.000
3.750	8.500	5.687	1.250	5.895	4.625	5.250	6.500	7.750	3/4	1.187	2.000
3.875	8.500	5.687	1.250	5.895	4.750	5.250	6.500	7.750	3/4	1.187	2.000
4.000	9.000	6.062	1.250	6.145	4.875	5.500	6.875	8.250	3/4	1.187	2.000



# Cartidge Mechanical Seals

## ... HXCN2

● **Operational Conditions:**

**Temperature:** -20℃ to +210℃

**Pressure:** ≤ 2.5MPa

**Speed:** ≤ 15m/s

● **Materials:**

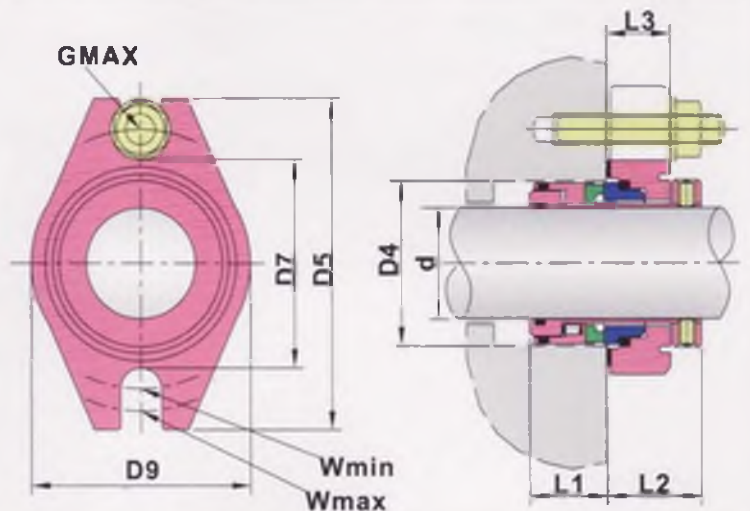
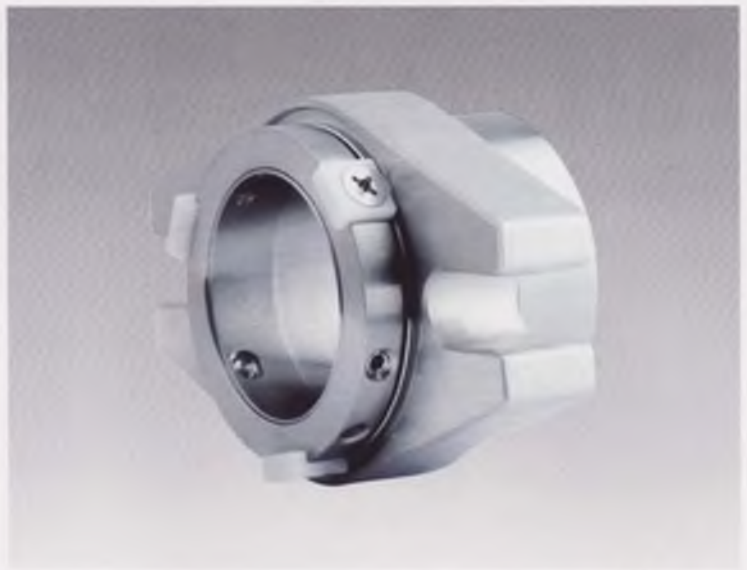
**Stationary Ring:** Q1, A, V1

**Rotary Ring:** A, Q1, U2

**Secondary Seal:** E, V, Aflas, kalrez

**Spring and Metal parts:** F, G, M

● **Applications:** Clean water, sewage water, oil and other moderately corrosive fluids.



规格/Size (公制/Metric)	D5	D7	L3	D9	D4		W		G	L1	L2
					MIN	MAX	MIN	MAX			
24	101.6	55.6	20.7	56.1	40.0	48.0	69.9	88.9	12	28.6	31.8
25	101.6	55.6	20.7	56.1	41.0	48.0	69.9	88.9	12	28.6	31.8
28	104.8	58.8	20.7	59.3	44.0	50.0	73.1	92.1	12	28.6	31.8
30	108.0	61.9	20.7	62.4	46.0	54.0	76.2	95.3	12	28.6	31.8
32	108.0	61.9	20.7	62.4	48.0	54.0	76.2	95.3	12	28.6	31.8
33	108.0	61.9	20.7	62.4	49.0	55.0	76.2	95.3	12	28.6	31.8
35	108.0	66.7	20.7	67.2	51.0	59.0	81.0	95.3	12	28.6	31.8
38	114.3	71.5	22.3	72.0	57.2	62.0	85.8	101.6	12	28.6	33.4
40	114.3	71.5	22.3	72.0	58.0	64.0	85.8	101.6	12	28.6	33.4
43	120.7	74.6	22.3	75.1	61.0	67.0	88.9	108.0	12	28.6	33.4
45	127.0	77.8	23.8	78.3	63.5	69.0	92.1	114.3	12	30.2	35.0
48	133.4	81.0	23.8	81.5	66.7	72.0	95.3	120.7	12	30.2	35.0
50	133.4	81.0	23.8	81.5	68.0	74.0	95.3	120.7	12	30.2	35.0
53	139.7	84.2	25.4	84.7	71.0	77.0	101.6	123.9	16	30.2	36.5
55	146.1	87.3	25.4	87.8	74.0	79.0	104.8	130.2	16	30.2	36.5
58	165.1	95.3	25.4	98.9	79.4	85.7	115.9	146.0	20	30.2	36.5
60	165.1	95.3	25.4	98.9	79.4	85.7	115.9	146.0	20	30.2	36.5
63	177.8	111.2	25.4	121.2	85.8	101.6	131.8	158.7	20	28.6	41.2
65	177.8	111.2	25.4	121.2	88.9	101.6	131.8	158.7	20	28.6	41.2
68	177.8	111.2	25.4	121.2	92.1	101.6	131.8	158.7	20	28.6	41.2
70	177.8	111.2	25.4	121.2	92.1	101.6	131.8	158.7	20	28.6	41.2
75	190.5	125.4	31.7	130.7	98.5	114.3	146.1	171.4	20	30.2	50.8
80	190.5	125.4	31.7	130.7	101.6	114.3	146.1	171.4	20	30.2	50.8
85	203.2	135.0	31.7	140.2	108.0	123.8	155.6	184.1	20	30.2	50.8
90	215.9	144.5	31.7	149.7	114.3	133.3	165.1	196.8	20	30.2	50.8
95	215.9	144.5	31.7	149.7	117.5	133.3	165.1	196.8	20	30.2	50.8
100	228.6	154.0	31.7	156.1	123.9	139.7	174.7	209.5	20	30.2	50.8



## Cartidge Mechanical Seals

### ... HXCUR

- **Operational Conditions:**

**Temperature:** -20 C+210 C

**Pressure:** ≤2.5MPa

**Speed:** ≤15m/s

- **Materials:**

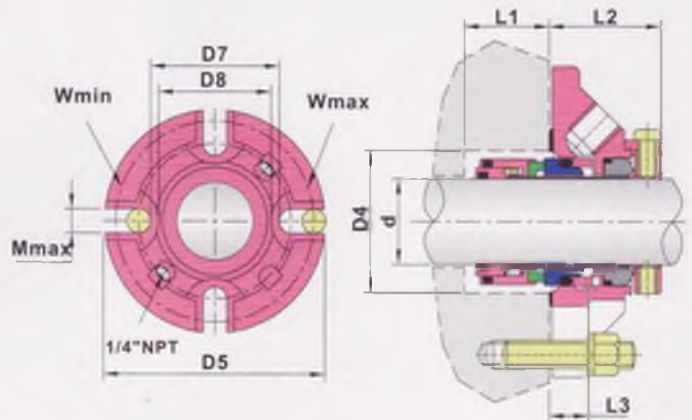
**Stationary Ring:** Q1,A,V1

**Rotary Ring:** A,Q1,U2

**Secondary Seal:** E,V,Aflas,kalrez

**Spring and Metal Parts:** F,G,M

- **Applications:** Clean water,sewage water,oil and other moderately corrosive fluids.

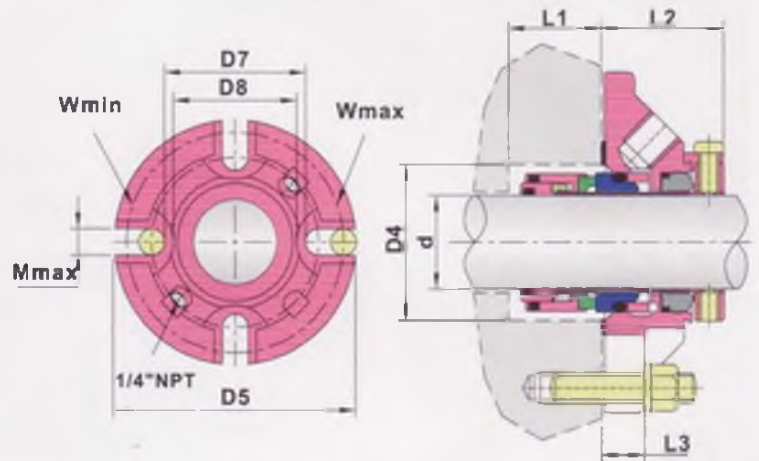
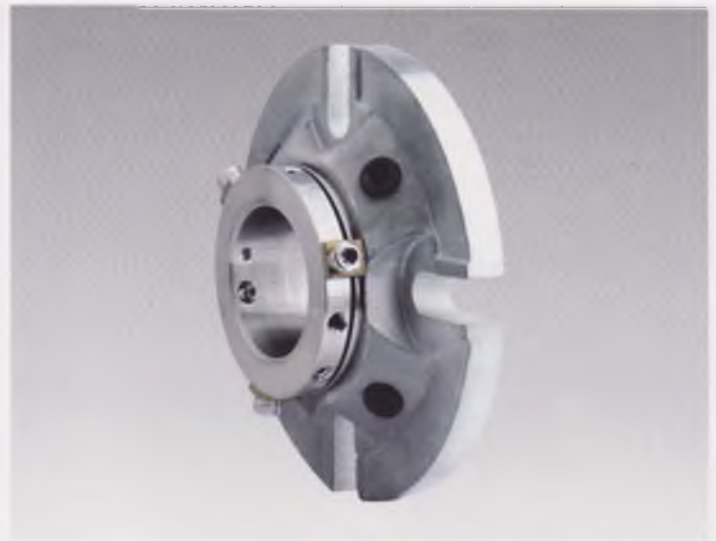


规格/Size (公制/Metric)	D5	D7	D8	L3	D4		W		M	L1	L2
					MIN	MAX	MIN	MAX			
24	104.8	54.0	49.2	13.2	40.0	46.0	67.0	90.5	12	28.6	40.5
25	104.8	54.0	49.2	13.2	41.0	49.0	67.0	90.5	12	28.6	40.5
28	108.0	57.2	52.4	13.2	44.0	52.3	70.3	93.6	12	28.6	40.5
30	111.0	60.4	55.6	13.2	46.0	55.5	73.5	96.8	12	28.6	40.5
32	111.0	60.4	55.6	13.2	48.0	55.5	73.5	96.8	12	28.6	40.5
33	111.0	60.4	55.6	13.2	49.0	55.5	73.5	96.8	12	28.6	40.5
35	111.0	63.5	58.8	13.2	51.0	57.5	76.6	96.8	12	28.6	40.5
38	127.0	71.5	65.0	16.4	57.2	60.4	85.7	114.3	12	28.6	44.5
40	127.0	71.5	65.0	16.4	58.0	60.4	85.7	114.3	12	28.6	44.5
43	139.7	81.0	71.4	16.4	61.0	69.9	95.3	127.0	12	28.6	44.5
45	139.7	81.0	71.4	16.4	63.5	69.9	95.3	127.0	12	28.6	44.5
48	139.7	81.0	71.4	16.4	66.7	73.0	95.3	127.0	12	28.6	44.5
50	152.4	90.5	77.8	16.4	68.0	76.2	104.8	139.7	12	28.6	44.5
53	152.4	90.5	77.8	16.4	71.0	76.2	104.8	139.7	12	28.6	44.5
55	165.1	96.8	84.1	16.4	74.0	82.5	114.3	149.2	16	28.6	44.5
58	165.1	96.8	84.1	16.4	76.2	82.6	114.3	149.2	16	28.6	44.5
60	165.1	96.8	84.1	16.4	79.4	85.7	114.3	149.2	16	28.6	44.5
63	177.8	109.5	96.8	19.6	85.8	92.1	127.0	160.3	16	31.8	47.7
65	177.8	109.5	96.8	19.6	88.9	95.3	127.0	160.3	16	31.8	47.7
68	177.8	109.5	96.8	19.6	92.1	98.4	127.0	160.3	16	31.8	47.7
70	177.8	109.5	96.8	19.6	92.1	98.4	127.0	160.3	16	31.8	47.7
75	190.5	125.4	108.0	19.6	98.5	108.0	142.9	173.0	16	31.8	47.7
80	190.5	125.4	108.0	19.6	101.6	111.1	142.9	173.0	16	31.8	47.7
85	203.2	135.0	117.5	19.6	108.0	117.5	155.6	182.5	20	31.8	47.7
90	215.9	150.8	127.0	19.6	114.3	127.0	171.5	195.2	20	31.8	47.7
95	215.9	150.8	127.0	19.6	117.5	130.2	171.5	195.2	20	31.8	47.7
100	228.6	168.3	136.5	19.6	123.9	139.7	188.9	207.9	20	31.8	47.7
105	228.6	168.3	136.5	19.6	130.1	149.2	189.0	208.0	20	31.8	47.7
110	241.3	177.8	146.1	19.6	136.5	158.8	198.4	220.6	20	31.8	47.7
115	254.0	186.6	155.6	19.6	142.9	168.3	211.1	230.2	22	31.8	47.7
120	254.0	186.6	155.6	19.6	142.9	168.3	211.1	230.2	22	31.8	47.7
125	254.0	186.6	155.6	19.6	142.9	168.3	211.1	230.2	22	31.8	47.7

# Cartidge Mechanical Seals

## ... HXCUR

- **Operational Conditions:**
  - Temperature:** -20℃ to +210℃
  - Pressure:** ≤ 2.5MPa
  - Speed:** ≤ 15m/s
- **Materials:**
  - Stationary Ring:** Q1,A,V1
  - Rotary Ring:** A,Q1,U2
  - Secondary Seal:** E,V,Aflas, kalrez
  - Spring and Metal parts:** F,G,M
- **Applications:** Clean water, sewage water, oil and other moderately corrosive fluids.



规格/Size (英制/Inch)	D5	D7	D8	L3	D4		W		M	L1	L2
					MIN	MAX	MIN	MAX			
1.000	4.125	2.125	1.937	0.519	1.625	1.937	2.687	3.562	1/2	1.125	1.590
1.125	4.250	2.250	2.063	0.519	1.750	2.062	2.812	3.687	1/2	1.125	1.590
1.250	4.375	2.375	2.187	0.519	1.875	2.187	2.937	3.812	1/2	1.125	1.590
1.375	4.375	2.500	2.312	0.519	2.000	2.250	3.062	3.812	1/2	1.125	1.590
1.500	5.000	2.812	2.562	0.644	2.250	2.375	3.375	4.437	1/2	1.125	1.752
1.625	5.000	2.812	2.562	0.644	2.375	2.500	3.375	4.437	1/2	1.125	1.752
1.750	5.500	3.187	2.812	0.644	2.500	2.750	3.750	4.937	1/2	1.125	1.752
1.875	5.500	3.187	2.812	0.644	2.625	2.875	3.750	4.937	1/2	1.125	1.752
2.000	6.000	3.562	3.063	0.644	2.750	3.000	4.125	5.437	1/2	1.125	1.752
2.000-AC	5.250	3.450	3.035	0.644	2.750	3.000	4.000	4.750	1/2	1.125	1.752
2.125	6.000	3.562	3.063	0.644	2.875	3.125	4.125	5.437	1/2	1.125	1.752
2.250	6.500	3.812	3.312	0.644	3.000	3.250	4.500	5.812	5/8	1.125	1.752
2.375	6.500	3.812	3.312	0.644	3.125	3.375	4.500	5.812	5/8	1.125	1.752
2.500	7.000	4.312	3.812	0.769	3.375	3.625	5.000	6.312	5/8	1.250	1.877
2.625	7.000	4.312	3.812	0.769	3.500	3.750	5.000	6.312	5/8	1.250	1.877
2.750	7.000	4.312	3.812	0.769	3.625	3.875	5.000	6.312	5/8	1.250	1.877
2.875	7.500	4.937	4.250	0.769	3.750	4.125	5.625	6.812	5/8	1.250	1.877
3.000	7.500	4.937	4.250	0.769	3.875	4.250	5.625	6.812	5/8	1.250	1.877
3.125	7.500	4.937	4.250	0.769	4.000	4.375	5.625	6.812	5/8	1.250	1.877
3.250	8.000	5.312	4.625	0.769	4.125	4.500	6.125	7.187	3/4	1.250	1.877
3.375	8.000	5.312	4.625	0.769	4.250	4.625	6.125	7.187	3/4	1.250	1.877
3.500	8.000	5.312	4.625	0.769	4.375	4.750	6.125	7.187	3/4	1.250	1.877
3.625	8.500	5.937	5.000	0.769	4.500	5.000	6.750	7.687	3/4	1.250	1.877
3.750	8.500	5.937	5.000	0.769	4.625	5.125	6.750	7.687	3/4	1.250	1.877
3.875	8.500	5.937	5.000	0.769	4.750	5.250	6.750	7.687	3/4	1.250	1.877
4.000	9.000	6.625	5.375	0.769	4.875	5.500	7.437	8.187	3/4	1.250	1.877
4.125	9.000	6.625	5.375	0.769	5.125	5.875	7.437	8.187	3/4	1.250	1.877
4.250	9.000	6.625	5.375	0.769	5.125	5.875	7.437	8.187	3/4	1.250	1.877
4.375	9.500	7.000	5.750	0.769	5.375	6.250	7.812	8.687	3/4	1.250	1.877
4.500	9.500	7.000	5.750	0.769	5.375	6.250	7.812	8.687	3/4	1.250	1.877
4.625	10.000	7.345	6.125	0.769	5.625	6.625	8.312	9.062	7/8	1.250	1.877
4.750	10.000	7.345	6.125	0.769	5.625	6.625	8.312	9.062	7/8	1.250	1.877
4.875	10.000	7.345	6.125	0.769	5.875	6.625	8.312	9.062	7/8	1.250	1.877
5.000	10.000	7.345	6.125	0.769	5.875	6.625	8.312	9.062	7/8	1.250	1.877



## Cartridge Mechanical Seals

### ... HXCSA

● **Operational Conditions:**

**Temperature:** -20℃ to +220℃

**Pressure:** ≤ 2.5MPa

**Speed:** ≤ 16m/s

● **Materials:**

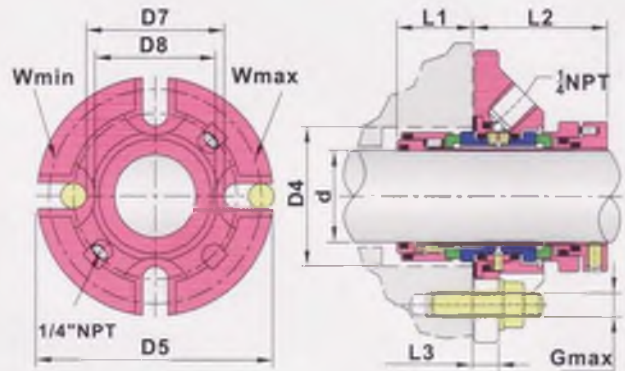
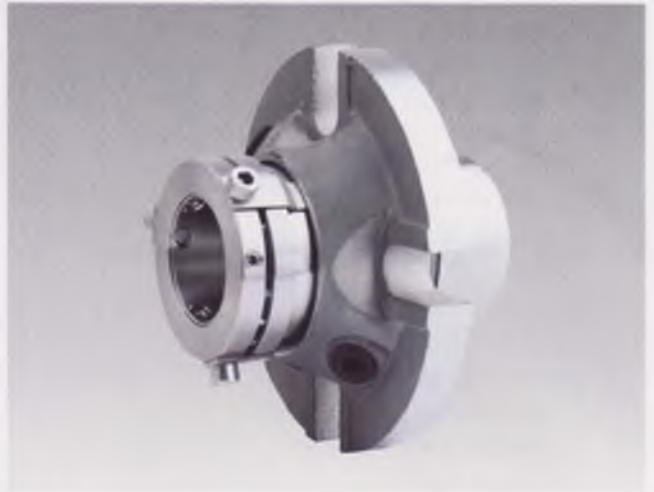
**Stationary Ring:** Q1, A, V1

**Rotary Ring:** A, Q1, U2

**Secondary Seal:** E, V, Aflas, kalrez

**Spring and Metal parts:** F, G, M

● **Applications:** Clean water, sewage water, oil and other moderately corrosive fluids.



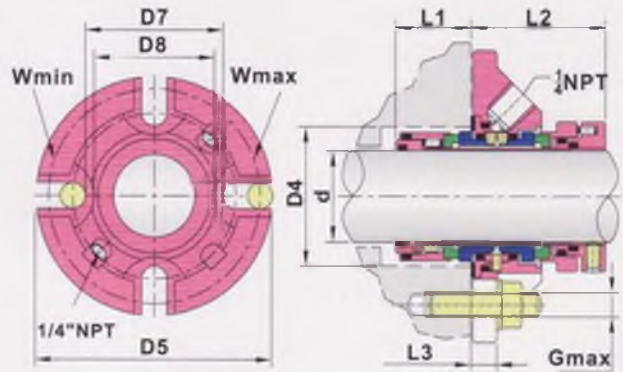
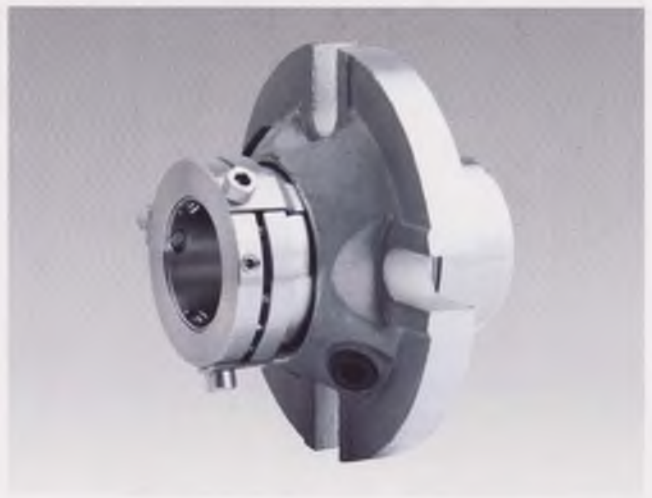
规格/Size (英寸/Inch)	D5	D7	D8	L3	D4		W		G	L1	L2
					MIN	MAX	MIN	MAX			
1.000	4.125	2.125	1.937	0.591	1.625	1.937	2.687	3.562	1/2	1.281	2.062
1.125	4.250	2.250	2.063	0.591	1.750	2.062	2.812	3.617	1/2	1.281	2.062
1.250	4.375	2.375	2.187	0.591	1.875	2.187	2.937	3.812	1/2	1.281	2.062
1.375	4.375	2.500	2.312	0.591	2.000	2.250	3.062	3.812	1/2	1.281	2.062
1.500	5.000	2.812	2.562	0.644	2.250	2.375	3.375	4.437	1/2	1.312	2.125
1.625	5.000	2.812	2.562	0.644	2.375	2.500	3.375	4.437	1/2	1.312	2.125
1.750	5.500	3.187	2.812	0.644	2.500	2.750	3.750	4.937	1/2	1.312	2.125
1.875	5.500	3.187	2.812	0.644	2.625	2.875	3.750	4.937	1/2	1.312	2.125
2.000	6.000	3.562	3.063	0.644	2.750	3.000	4.125	5.437	1/2	1.380	2.125
2.000-AC	5.250	3.450	3.035	0.644	2.750	3.000	4.000	4.750	1/2	1.380	2.125
2.125	6.000	3.562	3.063	0.644	2.875	3.125	4.125	5.437	1/2	1.380	2.125
2.250	6.500	3.812	3.312	0.644	3.000	3.250	4.500	5.812	5/8	1.380	2.125
2.375	6.500	3.812	3.312	0.644	3.125	3.375	4.500	5.812	5/8	1.380	2.125
2.500	7.000	4.312	3.812	0.769	3.375	3.625	5.000	6.312	5/8	1.500	2.375
2.625	7.000	4.312	3.812	0.769	3.500	3.750	5.000	6.312	5/8	1.500	2.375
2.750	7.000	4.312	3.812	0.769	3.625	3.875	5.000	6.312	5/8	1.500	2.375
2.875	7.500	4.937	4.250	0.769	3.750	4.125	5.625	6.812	5/8	1.500	2.375
3.000	7.500	4.937	4.250	0.769	3.875	4.250	5.625	6.812	5/8	1.500	2.375
3.125	7.500	4.937	4.250	0.769	4.000	4.375	5.625	6.812	5/8	1.500	2.375
3.250	8.000	5.312	4.625	0.769	4.125	4.500	6.125	7.187	3/4	1.500	2.375
3.375	8.000	5.312	4.625	0.769	4.250	4.625	6.125	7.187	3/4	1.500	2.375
3.500	8.000	5.312	4.625	0.769	4.375	4.750	6.125	7.187	3/4	1.500	2.375
3.625	8.500	5.937	5.000	0.769	4.500	5.000	6.750	7.687	3/4	1.500	2.375
3.750	8.500	5.937	5.000	0.769	4.625	5.125	6.750	7.687	3/4	1.500	2.375
3.875	8.500	5.937	5.000	0.769	4.750	5.250	6.750	7.687	3/4	1.500	2.375
4.000	9.000	6.625	5.375	0.769	4.875	5.500	7.437	8.187	3/4	1.500	2.375
4.125	9.000	6.625	5.375	0.769	5.125	5.875	7.437	8.187	3/4	1.500	2.375
4.250	9.000	6.625	5.375	0.769	5.125	5.875	7.437	8.187	3/4	1.500	2.375
4.375	9.500	7.000	5.750	0.769	5.375	6.250	7.812	8.687	3/4	1.500	2.375
4.500	9.500	7.000	5.750	0.769	5.375	6.250	7.812	8.687	3/4	1.500	2.375
4.625	10.000	7.345	6.125	0.769	5.625	6.625	8.312	9.062	7/8	1.500	2.375
4.750	10.000	7.345	6.125	0.769	5.625	6.625	8.312	9.062	7/8	1.500	2.375
4.875	10.000	7.345	6.125	0.769	5.875	6.625	8.312	9.062	7/8	1.500	2.375
5.000	10.000	7.345	6.125	0.769	5.875	6.625	8.312	9.062	7/8	1.500	2.375



# Cartidge Mechanical Seals

## ... HXCSA

- **Operational Conditions:**  
**Temperature:** -20℃+220℃  
**Pressure:** ≤ 2.5MPa  
**Speed:** ≤ 16m/s
- **Matetials:**  
**Stationary Ring:Q1,A,V1**  
**Rotary Ring: A,Q1,U2**  
**Secondary Seal: E,V,Afias,kalrez**  
**Spring and Metal Parts:F,G,M**
- **Applications: Clean water,sewage water,oil and other moderately corrosive fluids.**



规格/Size (公制/Metric)	D5	D7	D8	L3	D4		W		M	L1	L2
					MIN	MAX	MIN	MAX			
24	104.8	54.0	49.2	13.2	40.0	46.0	67.0	90.5	12	32.5	52.4
25	104.8	54.0	49.2	13.2	41.0	49.0	67.0	90.5	12	32.5	52.4
28	108.0	57.2	52.4	13.2	44.0	52.3	70.3	93.6	12	32.5	52.4
30	111.0	60.4	55.6	13.2	46.0	55.5	73.5	96.8	12	32.5	52.4
32	111.0	60.4	55.6	13.2	48.0	55.5	73.5	96.8	12	32.5	52.4
33	111.0	60.4	55.6	13.2	49.0	55.5	73.5	96.8	12	32.5	52.4
35	111.0	63.5	58.8	13.2	51.0	57.5	76.6	96.8	12	32.5	54.0
38	127.0	71.5	65.0	16.4	57.2	60.3	85.7	114.3	12	33.3	54.0
40	127.0	71.5	65.0	16.4	58.0	60.4	85.7	114.3	12	33.3	54.0
43	127.0	71.5	65.0	16.4	61.0	63.5	85.7	114.3	12	33.3	54.0
45	139.7	81.0	71.4	16.4	63.5	69.9	95.3	127.0	12	33.3	54.0
48	139.7	81.0	71.4	16.4	66.7	73.0	95.3	127.0	12	33.3	54.0
50	139.7	81.0	71.4	16.4	68.0	73.0	95.3	127.0	12	33.3	54.0
53	152.4	90.5	77.8	16.4	71.0	76.0	104.8	139.7	12	35.0	54.0
55	152.4	90.5	77.8	16.4	74.0	79.4	104.8	139.7	12	35.0	54.0
58	165.1	96.8	84.1	16.4	76.2	82.5	114.3	149.2	16	35.0	54.0
60	165.1	96.8	84.1	16.4	79.4	85.7	114.3	149.2	16	35.0	54.0
63	177.8	109.5	96.8	19.6	85.8	92.1	127.0	160.3	16	38.1	60.3
65	177.8	109.5	96.8	19.6	88.9	95.3	127.0	160.3	16	38.1	60.3
68	177.8	109.5	96.8	19.6	92.1	98.4	127.0	160.3	16	38.1	60.3
70	177.8	109.5	96.8	19.6	92.1	98.4	127.0	160.3	16	38.1	60.3
75	190.5	125.4	108.0	19.6	98.5	108.0	142.9	173.0	16	38.1	60.3
80	190.5	125.4	108.0	19.6	101.6	111.1	142.9	173.0	16	38.1	60.3
85	203.2	135.0	117.5	19.6	108.0	117.5	155.6	182.5	20	38.1	60.3
90	215.9	150.8	127.0	19.6	114.3	127.0	171.5	195.2	20	38.1	60.3
95	215.9	150.8	127.0	19.6	117.5	130.2	171.5	195.2	20	38.1	60.3
100	228.6	168.3	136.5	19.6	123.9	139.7	189.0	208.0	20	38.1	60.3
105	228.6	168.3	136.5	19.6	130.1	149.2	189.0	208.0	20	38.1	60.3
110	241.3	177.8	146.2	19.6	136.5	158.8	198.4	220.6	20	38.1	60.3
115	254.0	186.6	155.8	19.6	142.9	168.3	211.1	230.2	23	38.1	60.3
120	254.0	186.6	155.8	19.6	142.9	168.3	211.1	230.2	23	38.1	60.3
125	254.0	186.6	155.8	19.6	149.2	168.3	211.1	230.2	23	38.1	60.3

# Cartidge Mechanical Seals

## ... CARTEX-SN

● **Operational Conditions:**

**Temperature:** -20℃ to +130℃

**Pressure:** < 2.0MPa

**Speed:** < 15m/s

● **Materials:**

**Stationary Ring:** Q2, Q1, U1, U2, B, A

**Rotary Ring:** Q1, Q2, U1, U2

**Secondary Seal:** P, E, V, K

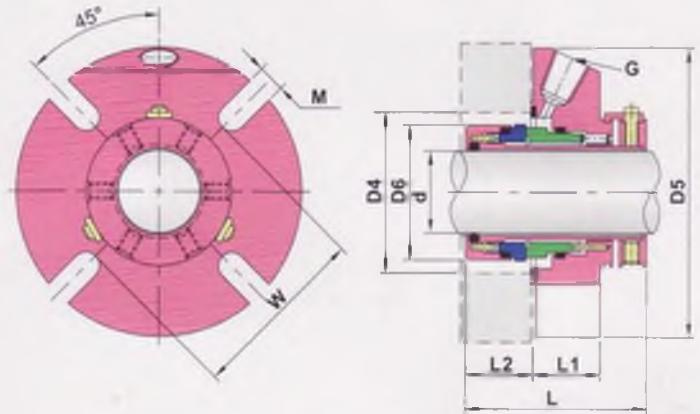
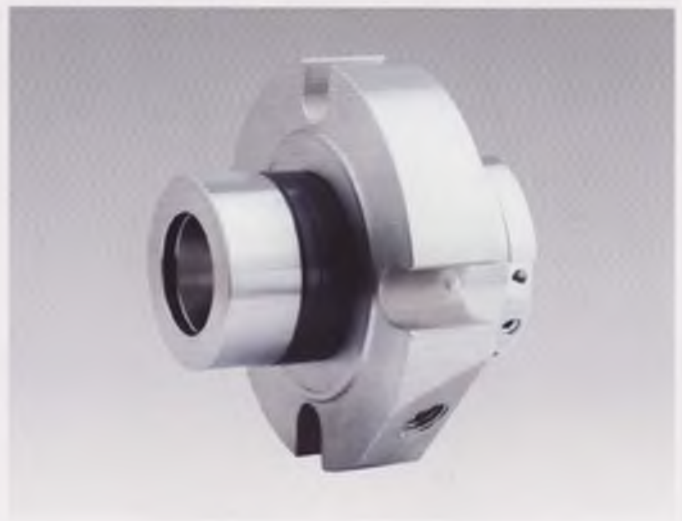
**Spring and Metal parts:** G, M

● **Seat Types:**

**Standard:** GWBP

**Alternative:** GWBO

● **Applications:** Petroleum, chemical, oil refining fields.



规格/Size (公制/Metric)	d h7	D6	D4		D5	L	L2	L1	W	M	G
			MIN	MAX							
25	25	43.0	44.0	51.5	105	67	24.6	25.4	62	13.2	1/4"
28	28	46.0	47.0	52.0	105	67	24.6	25.4	62	13.2	1/4"
30	30	48.0	49.0	56.0	105	67	24.6	25.4	65	13.2	1/4"
32	32	49.8	51.0	57.0	108	67	24.6	25.4	67	13.2	1/4"
33	33	49.8	51.0	57.0	108	67	24.6	25.4	67	13.2	1/4"
35	35	53.0	54.0	61.5	113	67	24.6	25.4	70	13.2	1/4"
38	38	56.0	57.0	66.0	123	67	24.6	25.4	75	13.2	1/4"
40	40	58.0	59.0	68.0	123	67	24.6	25.4	75	14.2	3/8"
42	42	60.5	61.5	69.5	133	67	24.6	25.4	80	14.2	3/8"
43	43	60.5	61.5	70.5	133	67	24.6	25.4	80	14.2	3/8"
45	45	62.5	64.0	73.0	138	67	24.6	25.4	81	14.2	3/8"
48	48	65.6	67.0	75.0	138	67	24.6	25.4	84	14.2	3/8"
50	50	68.0	69.0	78.0	148	67	24.6	25.4	87	14.2	3/8"
53	53	72.0	73.0	87.0	148	67	24.6	25.4	97	18.0	3/8"
55	55	73.0	74.0	83.0	148	67	24.6	25.4	90	18.0	3/8"
60	60	78.0	79.0	91.0	157	67	24.6	25.4	102	18.0	3/8"
65	65	84.8	85.7	98.5	163	67	24.6	25.4	109	18.0	3/8"
70	70	93.0	95.0	108.0	178	67	24.6	25.4	118	18.0	3/8"
75	75	100.0	101.6	118.0	190	84	26.6	28.0	129	18.0	3/8"
80	80	106.4	108.0	124.0	195	84	26.6	28.0	135	18.0	3/8"
85	85	109.5	111.1	128.0	198	84	26.6	28.0	139	22.0	3/8"
90	90	115.9	117.5	135.0	205	84	26.6	28.0	145	22.0	3/8"
95	95	119.1	120.7	138.0	208	84	26.6	28.0	148	22.0	3/8"
100	100	125.4	127.0	144.0	218	84	26.6	28.0	154	22.0	3/8"