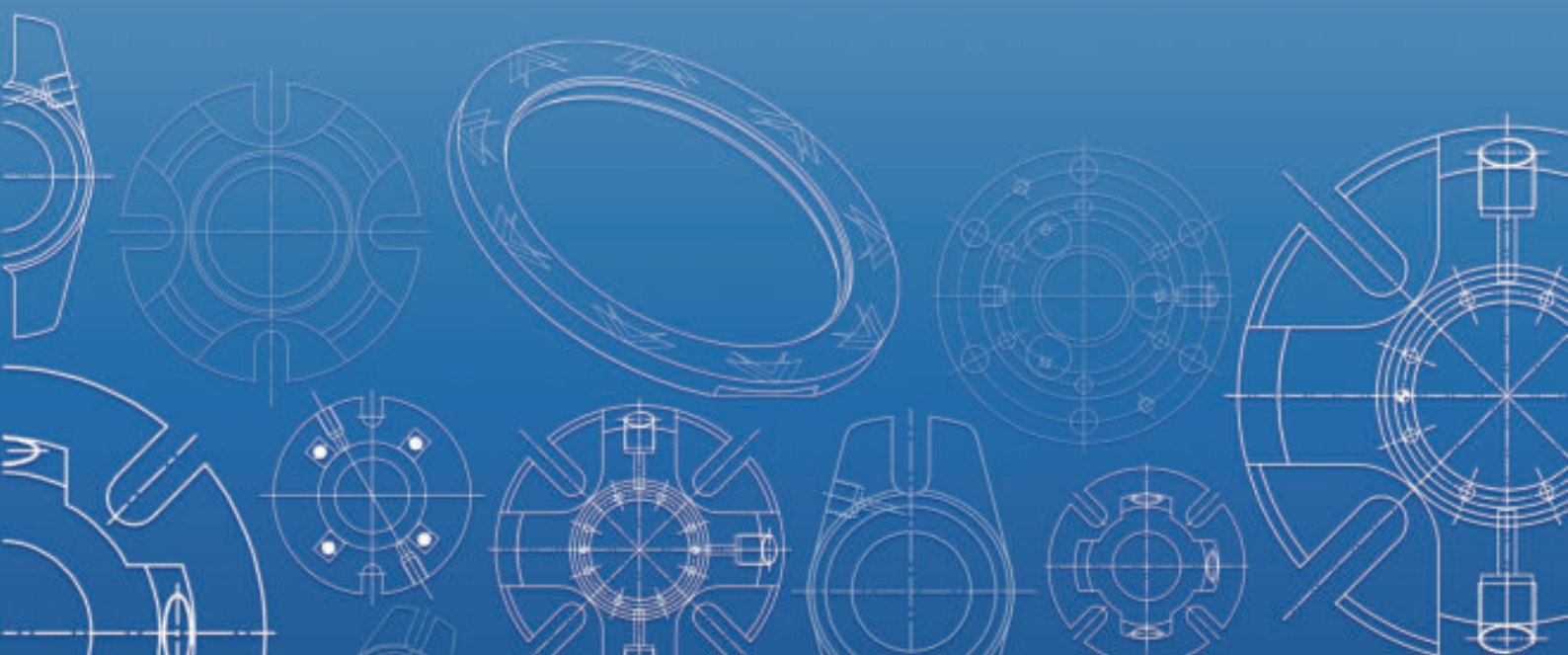




广州市乐浦机械有限公司
Guangzhou Lepu Machinery Co., Ltd.





公司简介 COMPANY PROFILE

广州乐浦机械有限公司成立于 1998 年，工厂位于广州市黄埔区，毗邻多家世界 500 强企业。乐浦机械专注于集装式机械密封、干气密封和机械密封的生产，现已成为中国密封领域的著名品牌。

乐浦机械拥有标准的现代化自动化厂房，几十台世界先进水平的数控加工中心和各类先进加工设备，以及专业的干气密封测试系统和集装式机械密封测试平台，我们的工程师均具备非常丰富的干气密封和机械密封的设计、生产和维修经验。25 年来，已经为众多国内外客户提供优质的密封产品和服务，我们的客户涵盖石油、化工、食品、能源、机械等多个领域，绝大多数都是世界 500 强企业。

欢迎国内外客户咨询干气密封和机械密封业务。

Guangzhou Lepu Machinery Co., Ltd. was established in 1998. The factory is located in Huangpu District, Guangzhou City, adjacent to many Fortune 500 companies. We specialize in the production of cartridge mechanical seals, dry gas seals and mechanical seals, and have become a famous brand in the field of sealing in China.

Lepu Machinery has a standard modern automated workshop, dozens of world-leading CNC machining centers and various advanced processing equipment, as well as a professional dry gas seal test system and a cartridge mechanical seal test platform. Our engineers are equipped with very Rich experience in the design, production, and maintenance of dry gas seals and mechanical seals. Over the past 25 years, we have provided high-quality sealing products and services to many domestic and foreign customers. Our customers cover petroleum, chemical, food, energy, machinery, etc. Many of them are Fortune 500 companies.

Welcome customers at home and abroad to inquire about dry gas seal and mechanical seal business.

CERTIFICATE OF HONOR

CERTIFICATE OF HONOR



01.FS Mechanical Seals.....01-07

001.Flygt pump seals upper and lower seals.....	01
002.Flygt pump seals.....	05

02.GLF Mechanical Seals.....08-10

001.GLF-A.....	09
002.GLF-B.....	09
003.GLF-C-22.....	10
004.GLF-C-12/16.....	10

03.O-ring Mechanical Seals.....11-33

001.LP T03.....	11
002.LP T03D.....	12
003.LP 250.....	13
004.LP M3N.....	14
005.LP M7N / M74.....	15
006.LP H7N / H75.....	16
007.LP 891.....	17
008.LP 491.....	18
009.LP 155 / 155B.....	19
010.LP W01.....	20
011.LP W03 / W03S / W04.....	21
012.LP 92N / 97.....	22
013.LP 95.....	23
014.LP 96.....	24
015.LP 97.....	25
016.LP 98.....	26
017.LP PRO.....	27
018.M2 / M2N.....	28
019.LP 53A / 53B / 53N.....	29
020.LP 1527.....	30
021.H12N.....	31
022.LP 8-1.....	32
023.LP8B1.....	33

04.PTFE Wedge Mechanical Seals...34-37

001.LP 109B.....	34
002.LP 59B / 58B.....	35
003.LP 109.....	36
004.LP 59U / 58U.....	37

05.Elastomer Bellow Shaft Seals 38-55

001.LP TYPE 1.....	38
002.LP TYPE 1A.....	39

05.Elastomer Bellow Shaft Seals..... 38-55

003.LP T2.....	40
004.LP100 / 200.....	41
005.LP110 / 220.....	42
006.LP24.....	43
007.LP560A / 560B.....	44
008.LP BIA.....	45
009.LP FBD.....	46
010.LP 502.....	47
011.LP MG1 / MG12 / MG13.....	48
012.LP 210.....	49
013.LP F.....	50
014.LP 301.....	51
015.LP 560D.....	52
016.LP 166 / LP E.....	53
017.LP WB2.....	54
018.LP 10R / 10T.....	55

06.Metal Bellow Mechanical Seals..... 56-60

001.LP 609.....	56
002.LP 606.....	57
003.LP 85N.....	58
004.LP 670 / 680.....	59
005.LP 676.....	60

07.O.E.M Mechanical Seals.....61-64

001.P06/P07/P09.....	61
002.T01F / W08 / M07 / T01FE / T01FI / HI.....	62
003.TOR / TOW / TOWP / TOWD / EMU.....	63
004.ROTEN5/2 / BLACKMER 35/45/55mm / CHESTERTON.....	64

08.Stationary Seat..... 65-70

001. 静环尺寸表 Stationary Seat Dimension Data(mm).....	66
002.LP T21 / T31.....	67
003.LP T16 / T46.....	68
004.LP T20 / T11.....	69
005.LP V.....	70

09.Seal Materials.....71-73

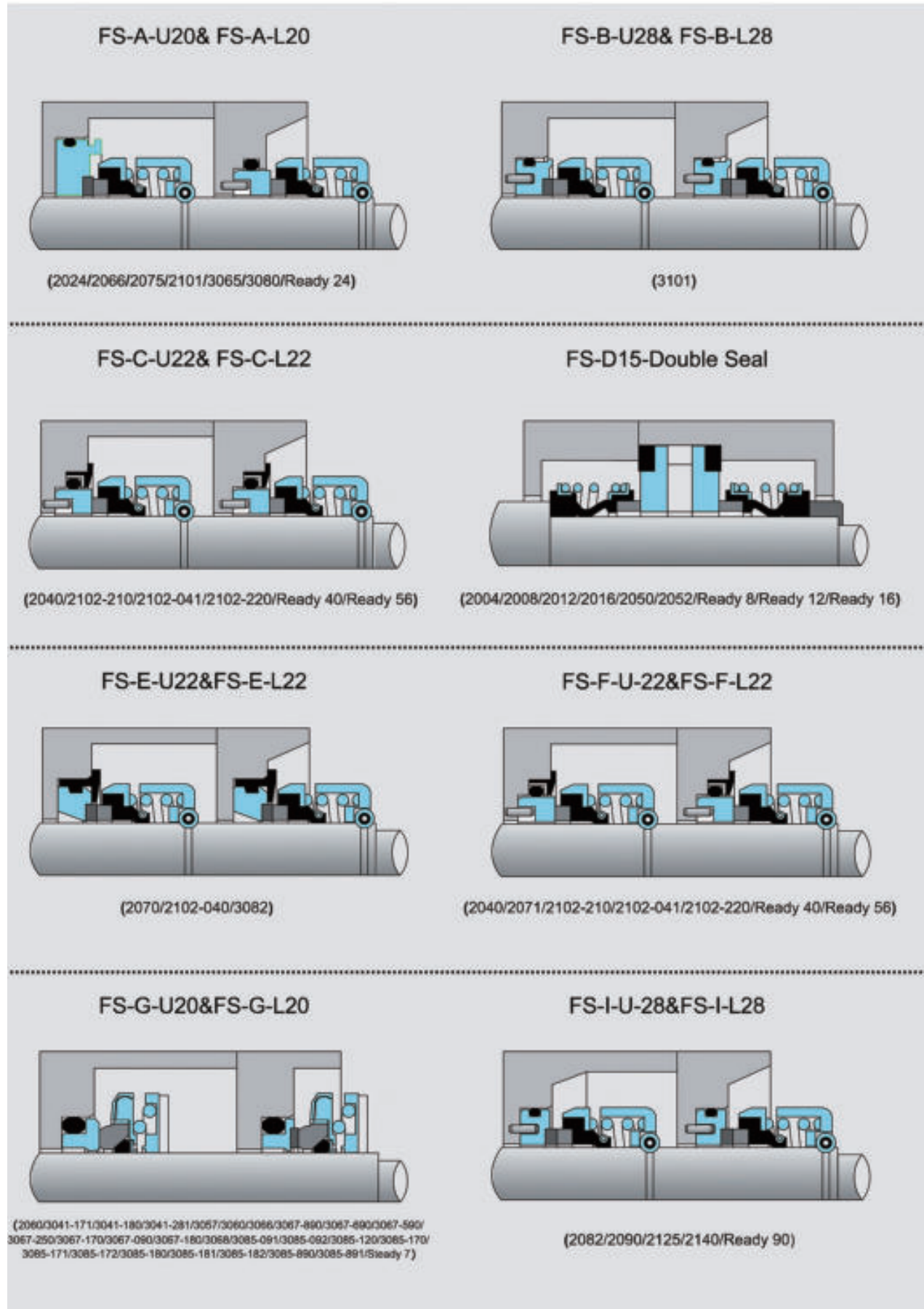
10. 安装指导书 Installation Instructions.....74

FLYGT PUMP SEAL COMPARISON CHART

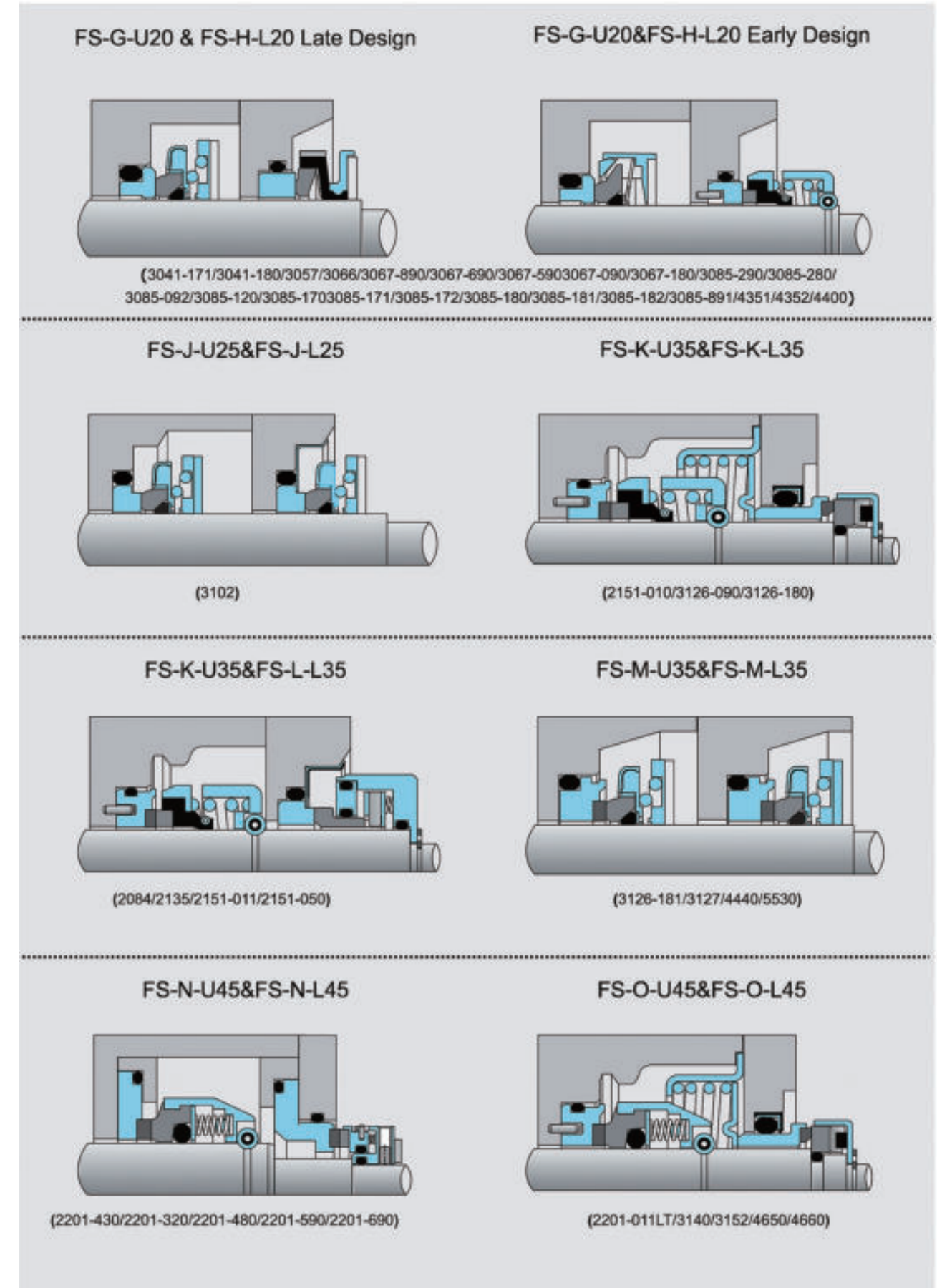
Flygt Pump Model	Shaft Size	Upper Seal	Lower Seal
3085-091,3085-120,3085-170,3085-171,3085-181,3085-280,3082-290,3085-890	20mm	FS-G-U20	FS-G-L20 or FS-H-L20
3101	28mm	FS-B-U28	FS-B-L28
3102	25mm	FS-J-U25	FS-J-L25
3126-90,3126-180	35mm	FS-K-U35	FS-K-L35
3126-91, 3126-280, 3126-290	35mm	FS-K-U35	FS-M-L35
3126-181, 3127	35mm	FS-M-U35	FS-M-L35
3140, 3152	45mm	FS-O-U45	FS-O-L45
3170, 3201	60mm	FS-Q-U60	FS-Q-L60
3200	60mm	FS-P-U60	FS-P-L60
3230, 3300-91, 3300-181, 3300-280, 3300-880, 3305	90mm	FS-S-U90	FS-S-L90
3310, 3311, 3312, 3350, 3351	90mm~120mm	FS-S-U90	FS-T-L120
3355, 3356, 3357	90mm	FS-S-U90	FS-S-L90
3500, 3501, 3530, 3531, 3600, 3601, 3602	90mm~120mm	FS-S-U90	FS-T-L120
4351, 4352, 4400	20mm	FS-G-U20	FS-H-L20
4410, 4430	60mm	/	FS-Q-L60
4440, 5530	35mm	FS-M-U35	FS-M-L35
4650, 4660	45mm	FS-O-U45	FS-O-L45
4670, 4680, 7045	60mm	FS-Q-U60	FS-Q-L60
7050, 7051, 7055, 7060, 7061, 7076, 7556	90mm	FS-S-U90	FS-S-L90
7061	90mm	FS-S-U90	FS-S-L80
7080, 7115	90mm~80mm/90mm~120mm	FS-S-U90	FS-S-L80/FS-T-L120
7570, 7585	90mm~120mm	FS-S-U90	FS-T-L120
Grindex Maior, Master, Matador, Midi, Minette, Salvador	25mm~24mm	FS-Z-U25	FS-Z-L24
Grindex Maxi	45mm	FS-O-U45	FS-N-L45
Ready models 4 8 12 & 16	15mm	FS-D-U15	/
Ready 24	20mm	FS-A-U20	FS-A-L20
Ready 90	28mm	FS-I-U28	FS-I-L28
Steady 7	20mm	FS-G-U20	FS-G-L20
600	60mm	FS-Q-U60	FS-Q-L60
605, 615, 665, 670, 680	90~80mm	FS-S-U90	FS-S-L80
705, 715, 720, 721, 735, 745, 760, 765, 770, 775	90mm~80mm/90mm~120mm	FS-S-U90	FS-S-L80/FS-T-L120
820, 840, 841, 860, 880, 881, 900	90mm~80mm/90mm~120mm	FS-S-U90	FS-S-L80/FS-T-L120
2004, 2008, 2012, 2016	15mm	FS-D-U15	/
2024	20mm	FS-A-U20	FS-A-L20
2050, 2052	15mm	FS-D-U15	/
2060	20mm	FS-G-U20	FS-G-L20
2066	20mm	FS-A-U20	FS-A-L20
2070	22mm	FS-E-U22	FS-E-L22
2071	22mm	FS-E-U22	FS-E-L22
2075	20mm	FS-A-U20	FS-A-L20
2082, 2090, 2125, 2140	28mm	FS-I-U28	FS-I-L28
2084, 2135	35mm	FS-K-U35	FS-K-L35
2101	20mm	FS-A-U20	FS-A-L20
2102-40	22mm	FS-E-U22	FS-E-L22
2151-10	35mm	FS-K-U35	FS-K-L35
2151-11, 2151-50	35mm	FS-K-U35	FS-L-L35
2201-10, 2201-320, 2201-430, 2201-480	45mm~35mm	FS-O-U45	FS-K-L35
2201-590, 2201-690	45mm	FS-O-U45	FS-Q-L45
2201-11HT or MT	45mm	FS-N-U45	FS-N-L45
2201-11LT	45mm	FS-O-U45	FS-N-L45
2250, 2290	60mm	FS-P-U60	FS-P-L60
2400	60mm	FS-R-U60	FS-R-L60
3041-281	20mm	FS-G-U20	FS-G-L20
3057	20mm	FS-G-U20	FS-H-L20
3057-180, 3060	20mm	FS-G-U20	FS-G-L20
3065	20mm	FS-A-U20	FS-A-L20
3067-170, 3067-250, 3068	20mm	FS-G-U20	FS-G-L20
3080	20mm	FS-A-U20	FS-A-L20
3082	22mm	FS-E-U22	FS-E-L22

Remarks: imported seal, specially designed cartridge seal for plotting and customization subject to your sample and drawing.
ADD.: No. 5, Yunkai Road, Huangpu District, Guangzhou, China.
TEL.: +86-020-36158139, +86-020-36158280

03

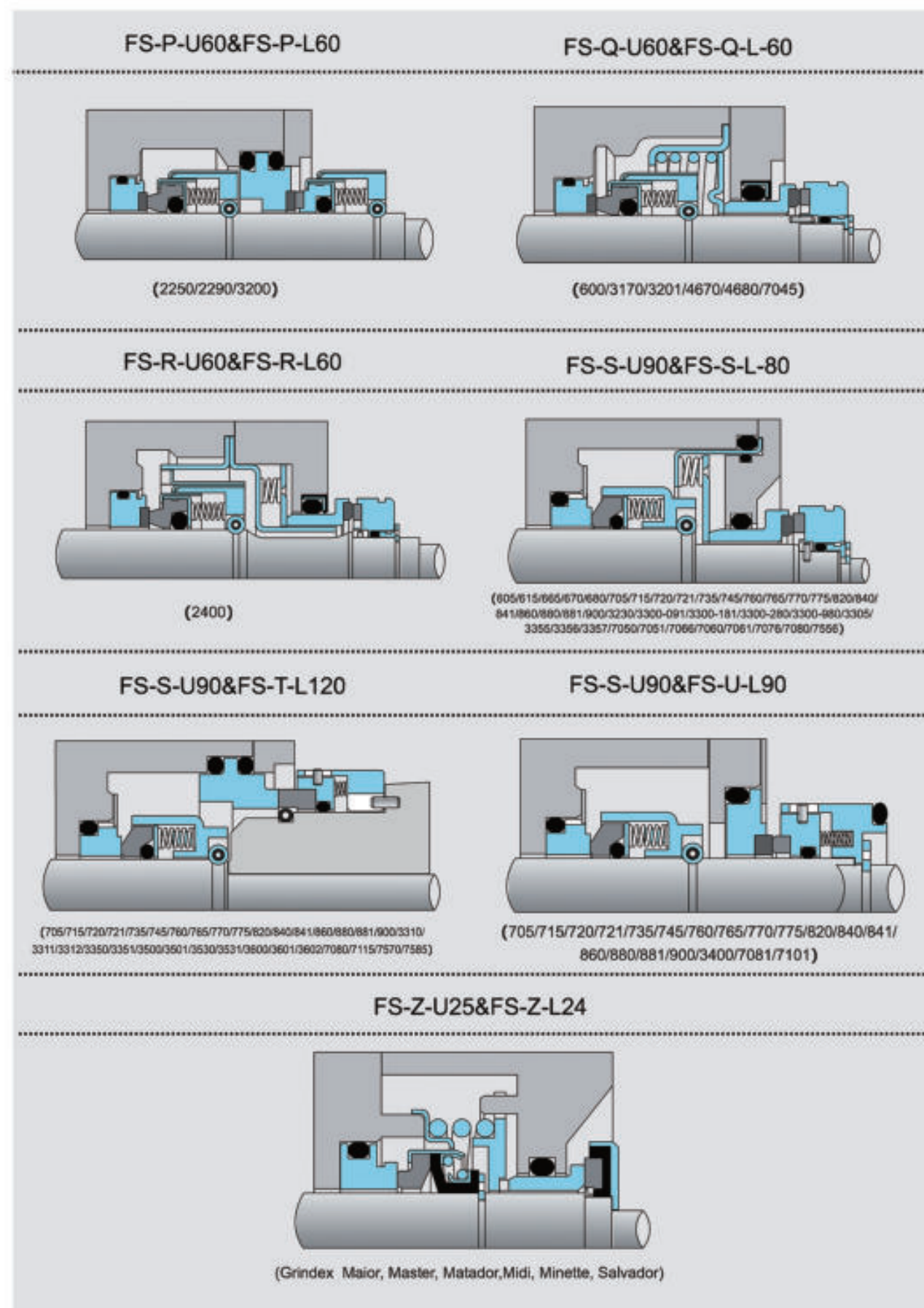


04

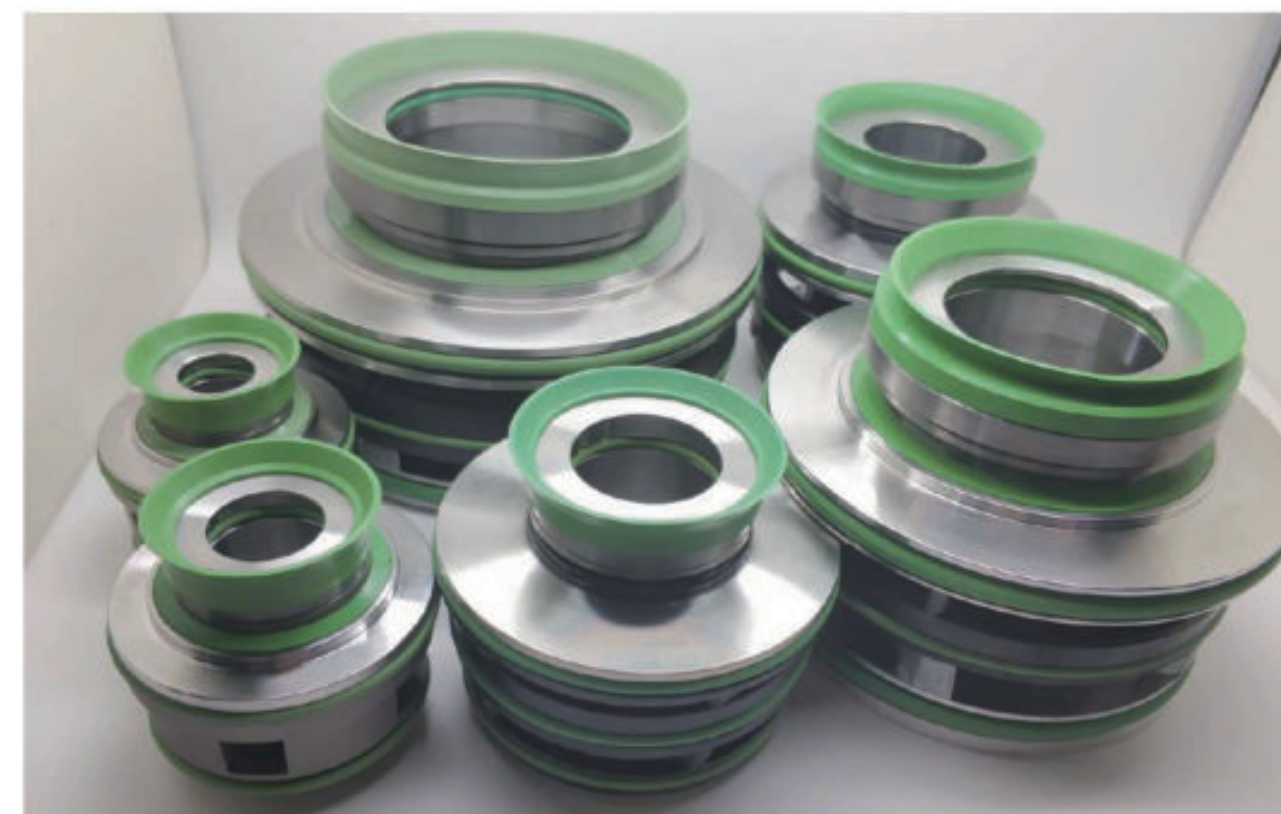


Remarks: imported seal, specially designed cartridge seal for plotting and customization subject to your sample and drawing.
ADD.: No. 5, Yunkai Road, Huangpu District, Guangzhou, China.
TEL.: +86-020-36158139, +86-020-36158280

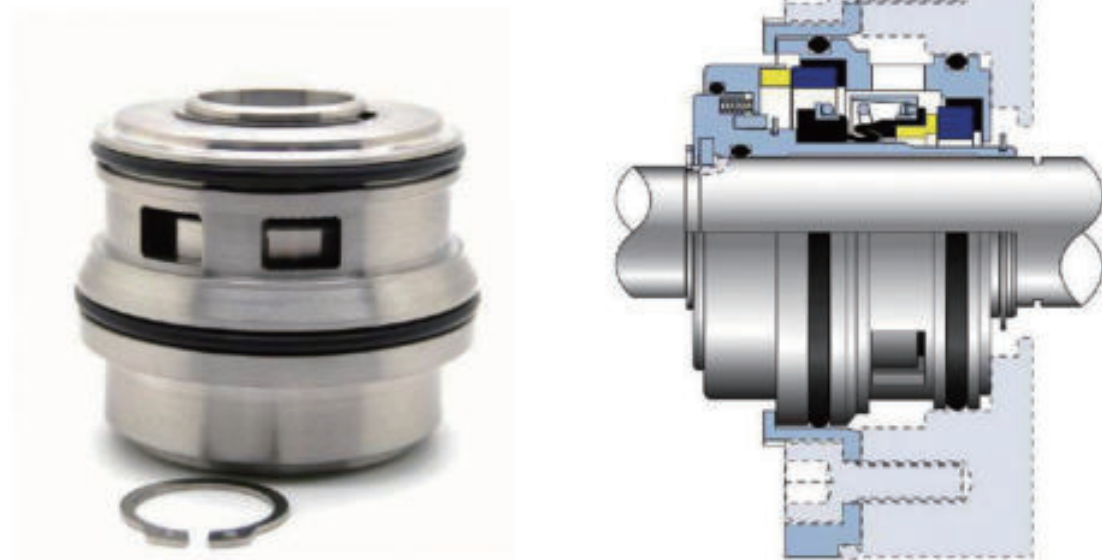
05



06



Xylem Flygt Pumps	Shaft Size	Seal Code
2610, 2620, 2630, 2640, 4610&4620	20mm	FS20
2660, 4630&4640	25mm	FS25
2670, 3153, 5100.210, 5100.211, 5100.220&5100.221	35mm	FS35
3171, 4650, 4660, 5100.250, 5100.251, 5100.260&5100.261	45mm	FS45
3202, 4670, 4680, 5100.300, 5100.310, 5150.300&5150.310	60mm	FS60
3301, 5150.350&5150.360	90mm	FS90

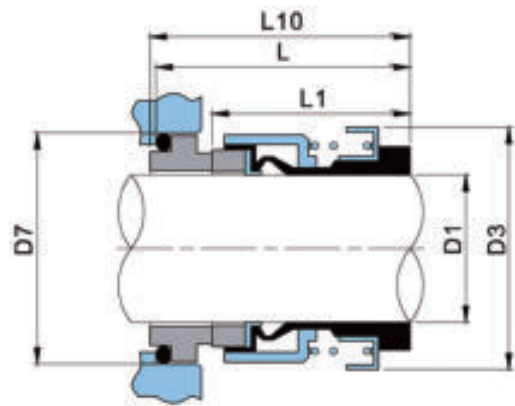


07

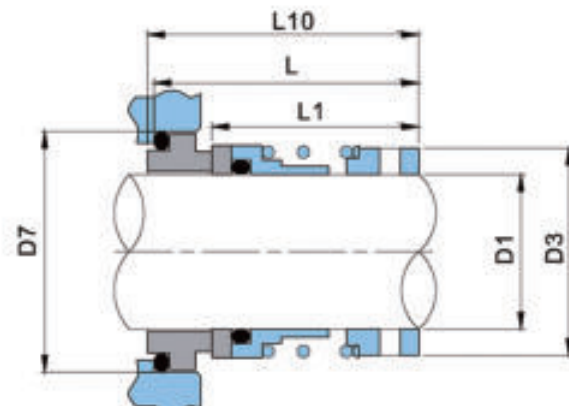
Xylem Flygt Pumps	Shaft Size	Seal Code
2610, 2620, 2630, 2640, 4610&4620	20mm	FSVC20
2660, 4630&4640	25mm	FSVC25
2670, 3153, 5100.210, 5100.211, 5100.220&5100.221	35mm	FSVC35
3171, 4650, 4660, 5100.250, 5100.251, 5100.260&5100.261	45mm	FSVC45
3202, 4670, 4680, 5100.300, 5100.310, 5150.300&5150.310	60mm	FSVC60
3301, 5150.350&5150.360	90mm	FSVC90



08



GLF-A



GLF-B

主要技术参数

温度: -30°C to 200°C
 压力: $\leq 1.2\text{MPa}$
 转速: $\leq 10\text{m/s}$
 材料:
 静环: Sic/TC/Carbon
 动环: Sic/TC
 辅助密封: NBR/EPDM/Viton
 弹簧及金属件: 不锈钢

Working Conditions

Temperature: -30°C to 200°C
 Pressure: $\leq 1.2\text{MPa}$
 Speed: $\leq 10\text{m/s}$
 Materials
 Stationary Ring: Sic/TC/Carbon
 Rotary Ring: Sic/TC
 Secondary Seal: NBR / EPDM / Viton
 Spring and Metal Part: Stainless Steel

D1(mm)	Size Code	D3	D7	L1	L	L10
12	0120	22	23	31	39	40.5
16	0160	26	27	32.5	40.5	41.5

主要技术参数

温度: -30°C to 200°C
 压力: $\leq 1.2\text{MPa}$
 转速: $\leq 10\text{m/s}$
 材料:
 静环: Sic/TC/Carbon
 动环: Carbon/Sic/TC
 辅助密封: NBR/EPDM/Viton
 弹簧及金属件: 不锈钢

Working Conditions

Temperature: -30°C to 200°C
 Pressure: $\leq 1.2\text{MPa}$
 Speed: $\leq 10\text{m/s}$
 Materials
 Stationary Ring: Sic/TC/Carbon
 Rotary Ring: Carbon/Sic/TC
 Secondary Seal: NBR / EPDM / Viton
 Spring and Metal Part: Stainless Steel

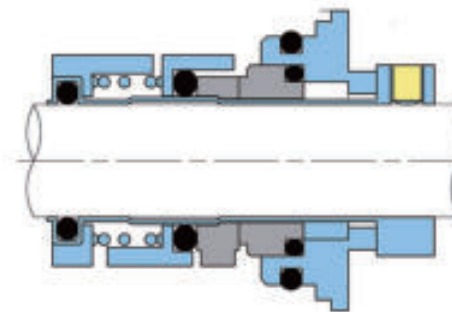
不锈钢立式多级离心泵用机械密封适配于格兰富:

- CR1,3,5,10,15,20,32,45,64,90水泵常规机封, O型圈集装式结构
- CRN1,3,5,10,15,20,32,45,64,90水泵常规机封, O型圈集装式结构

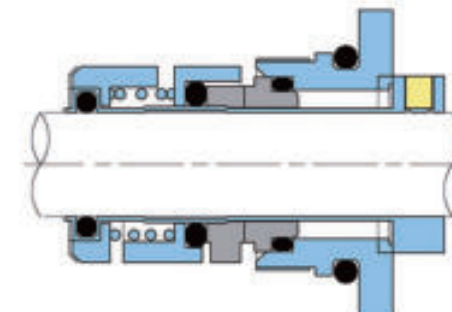
It is suitable to Grundfos Pumps:

- Model: CR1,3,5,10,15,20,32,45,64,90;
- Model: CRN1,3,5,10,15,20,32,45,64,90

GLF-C-22



GLF-C-12/16





LP T03

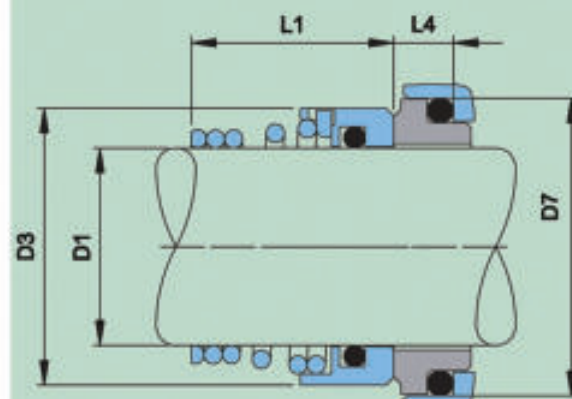
主要技术参数

介质:水, 油, 弱碱等一般腐蚀性化工介质
温度: -20℃ to 180℃
压力: ≤1.6MPa
转速: ≤15m/s

材料:

静环: Carbon/Sic/TC
动环: Carbon/Sic/TC/SUS304
辅助密封: NBR/EPDM/Viton
弹簧及金属件: 不锈钢

D1(mm)	Size Code	D3	D7	L1	L4
10	0100	19.00	18.10	15.00	5.50
11	0110	21.00	20.60	18.00	5.50
12	0120	21.00	20.60	18.00	5.50
13	0130	23.00	23.10	22.00	6.00
14	0140	23.00	23.10	22.00	6.00
15	0160	24.00	26.90	22.00	7.00
16	0160	26.00	26.90	23.00	7.00
18	0180	29.00	30.90	24.00	8.00
19	0190	31.00	30.90	25.00	8.00
20	0200	31.00	30.90	25.00	8.00
22	0220	33.00	35.40	25.00	8.00
23	0230	35.00	35.40	27.00	8.00
24	0240	35.00	35.40	27.00	8.00
25	0250	36.00	38.20	27.00	8.50
28	0280	40.00	43.30	29.00	9.00
30	0300	43.00	43.30	30.00	9.00
32	0320	46.00	43.30	30.00	9.00
33	0330	46.00	53.50	39.00	11.50
35	0350	49.00	53.50	39.00	11.50
38	0380	53.00	60.50	39.00	11.50
40	0400	56.00	60.50	39.00	11.50
43	0430	59.00	60.50	39.00	11.50
45	0450	61.00	65.50	41.00	11.50
48	0480	64.00	65.50	41.00	11.50
50	0500	66.00	72.50	45.00	11.50
55	0550	71.00	72.50	47.00	11.50
60	0600	78.00	79.30	49.00	11.50
65	0650	84.00	84.50	51.00	11.50
70	0700	90.00	89.50	51.00	11.50
75	0750	98.00	94.50	57.00	11.50
80	0800	100.00	99.50	59.00	11.50
85	0850	107.00	105.50	59.00	13.50
90	0900	111.00	111.50	62.00	13.50
95	0950	119.00	116.50	62.00	13.50
100	1000	123.00	119.50	75.00	13.50

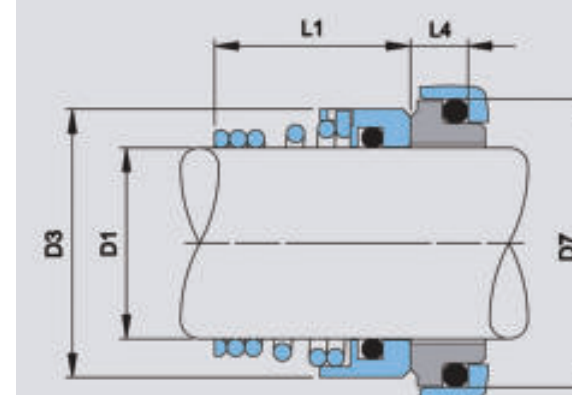


Working Conditions

Mediums: Water, oil, weak acids, weak alkali, etc.
Temperature: -20℃ to 180℃
Pressure: ≤1.6MPa
Speed: ≤15m/s

Materials

Stationary Ring: Carbon/Sic/TC
Rotary Ring : Carbon/Sic/TC/SUS304
Secondary Seal: NBR/EPDM/Viton
Spring and Metal Part: Stainless Steel



Working Conditions

Mediums: Water, oil, weak acids, weak alkali, etc.
Temperature: -20℃ to 180℃
Pressure: ≤1.6MPa
Speed: ≤15m/s

Materials

Stationary Ring: Carbon/Sic/TC
Rotary Ring : Carbon/Sic/TC/SUS304
Secondary Seal: NBR/EPDM/Viton
Spring and Metal Part: Stainless Steel

D1(mm)	Size Code	D3	D7	L1	L4
10	0100	19.00	21.00	15.00	7.00
12	0120	21.00	23.00	18.00	7.00
14	0140	23.00	25.00	22.00	7.00
16	0160	26.00	27.00	23.00	7.00
18	0180	29.00	33.00	24.00	10.00
20	0200	31.00	35.00	25.00	10.00
22	0220	33.00	37.00	25.00	10.00
24	0240	35.00	39.00	27.00	10.00
25	0250	36.00	40.00	27.00	10.00
28	0280	40.00	43.00	29.00	10.00
30	0300	43.00	45.00	30.00	10.00
32	0320	46.00	48.00	30.00	10.00
33	0330	46.00	48.00	39.00	10.00
35	0350	49.00	50.00	39.00	10.00
38	0380	53.00	56.00	42.00	13.00
40	0400	56.00	58.00	42.00	13.00
43	0430	59.00	61.00	47.00	13.00
45	0450	61.00	63.00	47.00	13.00
48	0480	64.00	66.00	47.00	13.00
50	0500	66.00	70.00	46.00	14.00
53	0530	69.00	73.00	56.00	14.00
55	0550	71.00	75.00	56.00	14.00
58	0580	76.00	78.00	56.00	14.00
60	0600	78.00	80.00	56.00	14.00
63	0630	81.00	83.00	56.00	14.00
65	0650	84.00	85.00	66.00	14.00
68	0680	88.00	90.00	64.00	16.00
70	0700	89.60	92.00	64.00	16.00
75	0750	98.00	97.00	64.00	16.00
80	0800	100.00	105.00	72.00	18.00
85	0850	107.50	110.00	72.00	18.00
90	0900	111.00	115.00	72.00	18.00
95	0950	119.00	120.00	72.00	18.00
100	1000	123.80	125.00	72.00	18.00



LP T03D

主要技术参数

介质:水, 油, 弱碱等一般腐蚀性化工介质
温度: -20℃ to 180℃
压力: ≤1.6MPa
转速: ≤15m/s

材料:

静环: Carbon/Sic/TC
动环: Carbon/Sic/TC/SUS304
辅助密封: NBR/EPDM/Viton
弹簧及金属件: 不锈钢



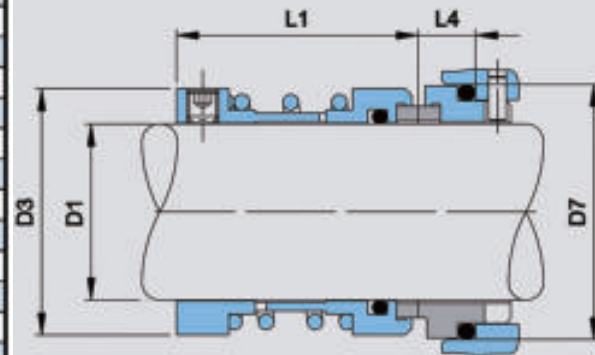
LP 250

● 主要技术参数

介质:水, 油, 弱酸、弱碱等一般腐蚀性化工介质
温度:-20℃ to 180℃
压力:≤1.2MPa
转速:≤18m/s

材料:

静环: Carbon/Ceramic/Sic/TC
动环: Carbon/Sic/TC/SUS304
辅助密封: NBR/EPDM/Viton
弹簧及金属件: 不锈钢

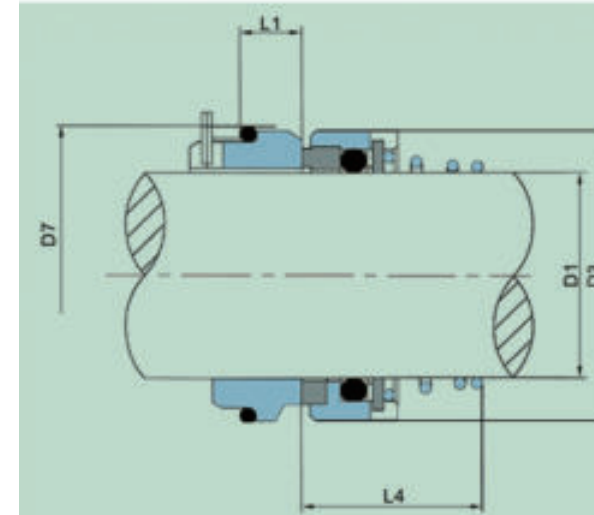
[illegible]

○ Working Conditions

Mediums: Water, oil, weak acids, weak alkali, etc.
Temperature: -20°C to 180°C
Pressure: $\leq 1.2\text{MPa}$
Speed: $\leq 15\text{m/s}$

Materials

Stationary Ring: Carbon/Ceramic/Sic/TC
Rotary Ring : Carbon/Sic/TC/SUS304
Secondary Seal: NBR/EPDM/Viton
Spring and Metal Part: Stainless Steel



Working Conditions

Mediums: Water, oil, acids, alkali, etc.
Temperature: -20°C to 180°C
Pressure: $\leq 1.0\text{MPa}$
Speed: $\leq 15\text{m/s}$

Materials

Stationary Ring: Carbon/Sic/TC
Rotary Ring : Carbon/Sic/TC/SUS304
Secondary Seal: NBR/EPDM/Viton
Spring and Metal Part: Stainless Steel

D1(mm)	Size Code	D3	D7	L1	L4
10	0100	19	21	10	15.5
12	0120	21	23	10	16.0
14	0140	23	25	10	16.5
16	0160	26	27	10	18.0
18	0180	29	33	11.5	19.5
20	0200	31	35	11.5	22.0
22	0220	33	37	11.5	21.5
24	0240	35	39	11.5	23.5
25	0250	36	40	11.5	26.5
28	0280	40	43	11.5	26.5
30	0300	43	45	11.5	26.5
32	0320	46	48	11.5	28.5
33	0330	47	48	11.5	28.5
35	0350	49	50	11.5	28.5
38	0380	53	56	14	33.5
40	0400	56	58	14	36.5
43	0430	59	61	14	38.5
45	0450	61	63	14	39.5
48	0480	64	66	14	46.0
50	0500	66	70	15	45.0
53	0530	69	73	15	47.0
55	0550	71	75	15	49.0
58	0580	76	78	15	55.0
60	0600	78	80	15	55.0
63	0630	83	83	15	55.0
65	0650	84	85	15	55.0
68	0680	88	90	18	55.0
70	0700	90	92	18	57.0
75	0750	98	97	18	62.0
80	0800	100	105	18.2	61.8

● 主要技术参数

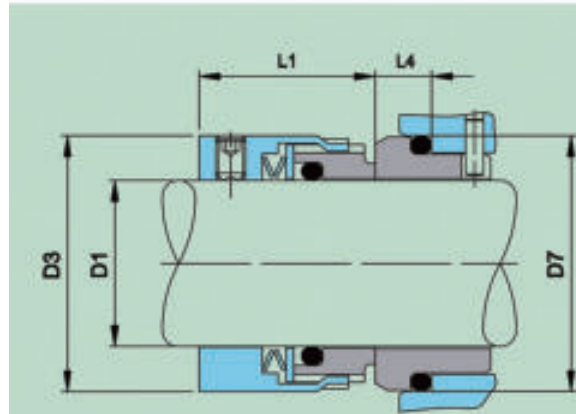
介质:水, 油, 酸、碱等中度腐蚀性化工介质
温度:-20℃ to 180℃
压力:≤1.0MPa
转速:≤115m/s

材料:

静环: Carbon/Sic/TC
动环: Carbon/Sic/TC/SUS304
辅助密封: NBR/EPDM/Viton
弹簧及金属件: 不锈钢



LP M3N



M7N(wave spring)

Working Conditions

Mediums: Water, oil, acids, alkali, etc.

Temperature: -30°C to 200°C

Pressure: ≤1.2MPa

Speed: ≤18m/s

Materials

Stationary Ring: Carbon/Sic/TC

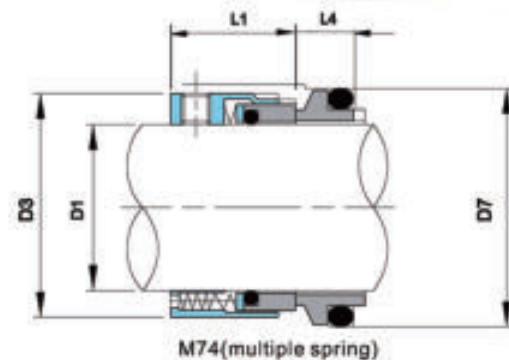
Rotary Ring : Carbon/Sic/TC/SUS304

Secondary Seal: NBR/EPDM/Viton

Spring and Metal Part: Stainless Steel

D1(mm)	Size Code	D3	D7	L1	L4
14	0140	25.00	25.00	25.00	10.00
16	0160	27.00	27.00	25.00	10.00
18	0180	33.00	33.00	26.00	11.50
20	0200	35.00	35.00	26.00	11.50
22	0220	37.00	37.00	26.00	11.50
24	0240	39.00	39.00	28.50	11.50
25	0250	40.00	40.00	28.50	11.50
28	0280	43.00	43.00	31.00	11.50
30	0300	45.00	45.00	31.00	11.50
32	0320	47.00	47.00	31.00	11.50
33	0330	48.00	48.00	31.00	11.50
35	0350	50.00	50.00	31.00	11.50
38	0380	55.00	56.00	31.00	14.00
40	0400	57.00	58.00	31.00	14.00
43	0430	60.00	61.00	31.00	14.00
45	0450	62.00	63.00	31.00	14.00
48	0480	65.00	66.00	31.00	14.00
50	0500	67.00	70.00	32.50	15.00
53	0530	70.00	73.00	32.50	15.00
55	0550	72.00	75.00	32.50	15.00
58	0580	79.00	78.00	37.50	15.00
60	0600	81.00	80.00	37.50	15.00
63	0630	84.00	83.00	37.50	15.00
65	0650	86.00	85.00	37.50	15.00
68	0680	89.00	90.00	34.50	18.00
70	0700	91.00	92.00	42.00	18.00
75	0750	99.00	97.00	42.00	18.00
80	0800	104.00	105.00	41.80	18.20
85	0850	109.00	110.00	41.80	18.20
90	0900	114.00	115.00	46.80	18.20
95	0950	119.00	120.00	47.80	17.20
100	1000	124.00	125.00	47.80	17.20

LP M7N LPM74



M74(multiple spring)

主要技术参数

介质:水, 油, 酸、碱等中度腐蚀性化工介质

温度:-30°C to 200°C

压力:≤1.2MPa

转速:≤18m/s

材料:

静环:Carbon/Sic/TC

动环: Carbon/Sic/TC/SUS304

辅助密封: NBR/EPDM/Viton

弹簧及金属件: 不锈钢

D1(mm)	Size Code	D2	D3	D7	L1	L4	L3
14	0140	18	33.0	25.0	32.5	10.00	8.0
16	0160	20	35.0	27.0	32.5	10.00	8.0
18	0180	22	37.0	33.0	33.5	11.50	8.5
20	0200	24	39.0	35.0	33.5	11.50	8.5
22	0220	26	40.0	37.0	33.5	11.50	8.5
24	0240	28	43.0	37.0	36.0	11.50	8.5
25	0250	30	45.0	40.0	36.0	11.50	8.5
28	0280	33	48.0	43.0	38.5	11.50	8.5
30	0300	35	50.0	45.0	38.5	11.50	8.5
32	0320	38	55.0	48.0	38.5	11.50	8.5
33	0330	38	55.0	48.0	38.5	11.50	8.5
35	0350	40	57.0	50.0	38.5	11.50	8.5
38	0380	43	60.0	56.0	38.5	14.00	9.0
40	0400	45	62.0	58.0	38.5	14.00	9.0
43	0430	48	65.0	61.0	38.5	14.00	9.0
45	0450	50	67.0	63.0	38.5	14.00	9.0
48	0480	53	70.0	66.0	38.5	14.00	9.0
50	0500	55	72.0	70.0	42.5	15.00	10.0
53	0530	58	79.0	73.0	42.5	15.00	10.0
55	0550	60	81.0	75.0	42.5	15.00	10.0
58	0580	63	84.0	78.0	47.5	15.00	10.0
60	0600	65	86.0	80.0	47.5	15.00	10.0
63	0630	68	89.0	83.0	47.5	15.00	10.0
65	0650	70	91.0	85.0	47.5	15.00	10.0
70	0700	75	99.0	92.0	52.0	18.00	10.0
75	0750	80	104.0	97.0	52.0	18.00	10.0
80	0800	85	109.0	105.0	51.8	18.20	9.8
85	0850	90	114.0	110.0	56.8	18.20	9.8
90	0900	95	119.0	115.0	56.8	18.20	9.8
95	0950	100	124.0	120.0	57.8	17.20	10.8
100	1000	105	129.0	125.0	57.8	17.20	10.8



LPH7N LPH75

主要技术参数

介质:水, 油, 酸、碱等中度腐蚀性

性化工介质

温度:-20°C to 200°C

压力:≤2.5MPa

转速:≤18m/s

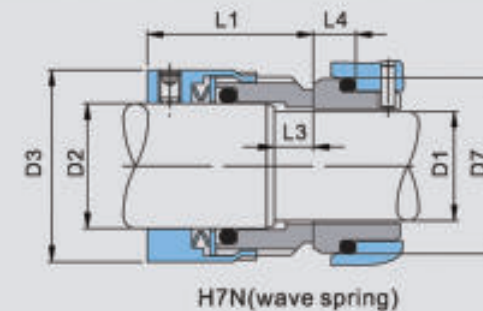
材料:

静环:Carbon/Sic/TC

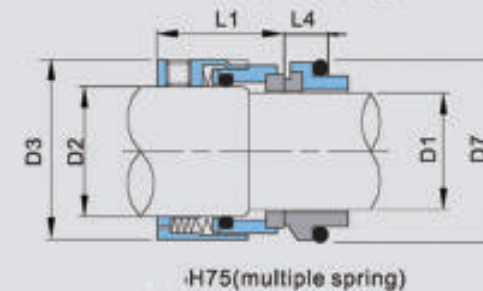
动环: Carbon/Sic/TC/SUS304

辅助密封: NBR/EPDM/Viton

弹簧及金属件: 不锈钢



H7N(wave spring)



H75(multiple spring)

Working Conditions

Mediums: Water, oil, acids, alkali, etc.

Temperature: -20°C to 200°C

Pressure: ≤2.5MPa

Speed: ≤18m/s

Materials

Stationary Ring: Carbon/Sic/TC

Rotary Ring : Carbon/Sic/TC/SUS304

Secondary Seal: NBR/EPDM/Viton

Spring and Metal Part: Stainless Steel

Remarks: imported seal, specially designed cartridge seal for plotting and customization subject to your sample and drawing.

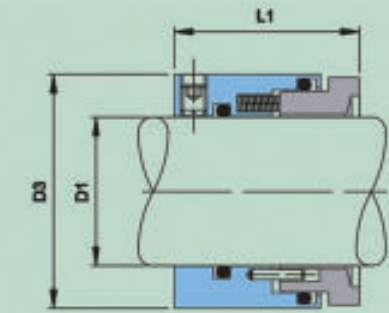
ADD.: No. 5, Yunkai Road, Huangpu District, Guangzhou, China.

TEL.: +86-020-36158139, +86-020-36158280

D1(Inch)	Size Code	D3	L1
0.750	0191	33.60	35.00
0.875	0222	36.78	35.00
1.000	0254	39.95	35.00
1.125	0286	43.13	35.00
1.250	0317	46.30	44.45
1.375	0349	49.48	44.45
1.500	0381	54.43	44.45
1.625	0412	57.61	44.45
1.750	0444	60.78	44.45
1.875	0476	63.96	44.45
2.000	0508	67.13	44.45
2.125	0539	70.31	44.45
2.250	0571	73.48	44.45
2.375	0603	76.66	44.45
2.500	0635	79.83	44.45
2.625	0666	83.01	44.45
2.750	0698	92.08	50.80
2.875	0730	95.25	50.80
3.000	0762	98.43	50.80
3.125	0794	101.60	50.80
3.250	0826	104.78	50.80
3.375	0857	107.95	50.80
3.500	0889	111.13	50.80
3.625	0921	114.30	50.80
3.750	0953	117.48	50.80
3.875	0984	120.65	50.80
4.000	1016	123.83	50.80

D1(mm)	Size Code	D3	L1
20	0200	34.3	35.00
22	0220	36.3	35.00
24	0240	38.3	35.00
25	0250	39.3	35.00
28	0280	42.3	35.00
30	0300	44.3	35.00
32	0320	46.3	44.45
33	0330	47.9	44.45
35	0350	49.5	44.45
38	0380	54.3	44.45
40	0400	56.1	44.45
43	0430	59.0	44.45
45	0450	61.1	44.45
48	0480	64.1	44.45
50	0500	66.1	44.45
55	0550	71.1	44.45
60	0600	77.1	44.45
65	0650	83.0	44.45
70	0700	86.1	44.45
75	0750	98.4	50.80
80	0800	104.8	50.80
85	0850	108.0	50.80
90	0900	114.3	50.80
95	0950	117.5	50.80
100	1000	123.8	50.80

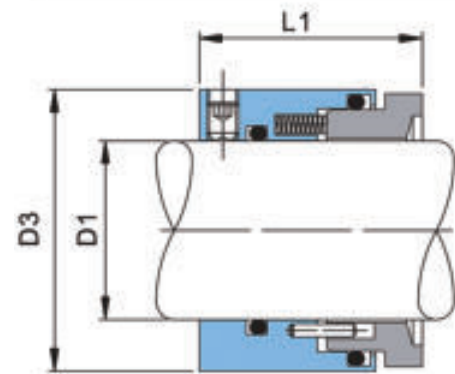
D1(mm)	Size Code	D3	L1
18	0180	32.3	30.00
20	0200	34.3	30.00
22	0220	36.3	30.00
24	0240	38.4	30.00
25	0250	39.3	30.00
28	0280	42.3	35.00
30	0300	44.3	35.00
32	0320	46.4	35.00
33	0330	48.0	35.00
35	0350	49.5	35.00
38	0380	54.3	35.00
40	0400	56.1	35.00
43	0430	59.1	35.00
45	0450	61.1	35.00
48	0480	64.1	35.00
50	0500	66.1	35.00
53	0530	69.1	35.00
55	0550	71.1	35.00
60	0600	76.1	35.00
65	0650	81.1	35.00
68	0680	86.1	35.00
70	0700	86.1	35.00
75	0750	98.4	48.00
80	0800	104.2	48.00
85	0850	108.1	48.00
90	0900	114.0	48.00
100	1000	117.6	48.00



○ **Working Conditions**
 Mediums: Grain and high viscosity mediums, especially used in the sugar, pulp industry, and sewage disposal, etc.
 Temperature: -20℃ to 180℃
 Pressure: ≤1.6MPa
 Speed: ≤15m/s

Materials
 Stationary Ring: Ceramic/Sic/TC
 Rotary Ring: Carbon/Sic/TC
 Secondary Seal: NBR/EPDM/Viton
 Spring and Metal Part: Stainless Steel

17



○ **Working Conditions**

Mediums: Grain and high viscosity mediums, especially used in the sugar, pulp industry, and sewage disposal, etc.
 Temperature: -20℃ to 180℃
 Pressure: ≤2.5MPa
 Speed: ≤15m/s

Materials
 Stationary Ring: Ceramic/Sic/TC
 Rotary Ring: Carbon/Sic/TC
 Secondary Seal: NBR/EPDM/Viton
 Spring and Metal Part: Stainless Steel

○ **主要技术参数**

介质: 含固体颗粒和高粘度介质, 如制糖、造纸污水处理等
 温度: -20℃ to 180℃
 压力: ≤2.5MPa
 转速: ≤15m/s

材料:
 静环: Ceramic/Sic/TC
 动环: Carbon/Sic/TC
 辅助密封: NBR/EPDM/Viton
 弹簧及金属件: 不锈钢



LP 891



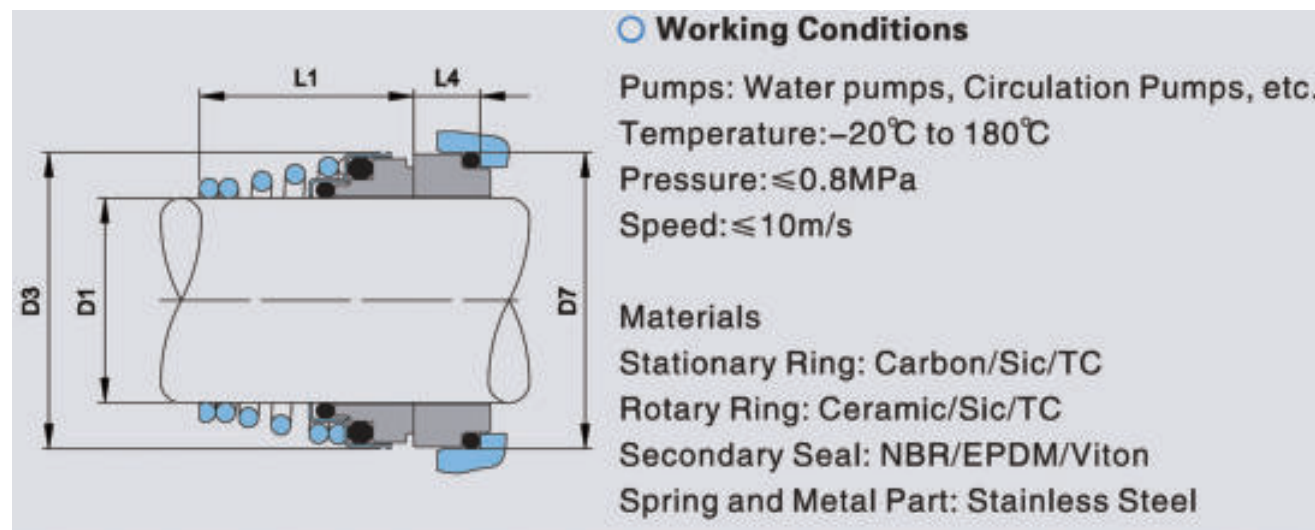
LP 491

○ **主要技术参数**

介质: 含固体颗粒和高粘度介质, 如制糖、造纸污水处理等
 温度: -20℃ to 180℃
 压力: ≤1.6MPa
 转速: ≤15m/s

材料:
 静环: Ceramic/Sic/TC
 动环: Carbon/Sic/TC
 辅助密封: NBR/EPDM/Viton
 弹簧及金属件: 不锈钢

18



● 主要技术参数

主要用于:清水泵,循环泵等

温度:-20℃ to 180℃

压力:≤0.8MPa

转速:≤10m/s

材料:

静环: Carbon/Sic/TC

动环: Ceramic/Sic/TC

辅助密封: NBR/EPDM/Viton

弹簧及金属件: 不锈钢



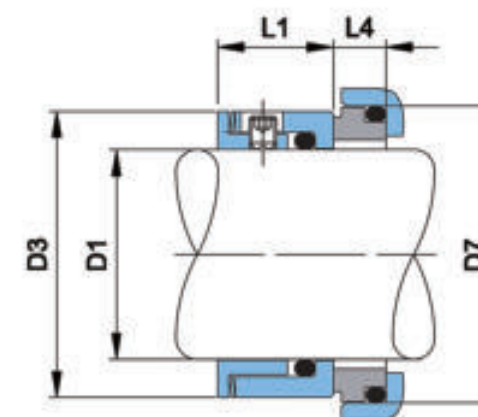
LP 155 LP155B

D1(mm)	Size Code	D3	D7	L1	L4
10	0100	20.00	18.10	15.00	5.50
11	0110	22.00	20.60	18.00	5.50
12	0120	22.00	20.60	18.00	5.50
13	0130	25.00	23.10	22.00	6.00
14	0140	25.00	23.10	22.00	6.00
15	0150	29.00	26.90	22.00	7.00
16	0160	29.00	26.90	23.00	7.00
17	0170	29.00	26.90	23.00	7.00
18	0180	33.00	30.90	24.00	8.00
19	0190	33.00	30.90	25.00	8.00
20	0200	33.00	30.90	25.00	8.00
21	0210	38.00	35.40	25.00	8.00
22	0220	38.00	35.40	25.00	8.00
23	0230	38.00	35.40	27.00	8.00
24	0240	38.00	35.40	27.00	8.00
25	0250	40.00	38.20	27.00	8.50
28	0280	46.00	43.30	29.00	9.00
29	0290	46.00	43.30	30.00	9.00
30	0300	46.00	43.30	30.00	9.00
32	0320	46.00	43.30	30.00	9.00
33	0330	48.00	53.50	39.00	11.50
35	0350	50.00	53.50	39.00	11.50
38	0380	58.00	60.50	39.00	11.50
40	0400	58.00	60.50	39.00	11.50

D1(mm)	Size Code	D3	D7	L1	L4
10	0100	20.00	21.00	15.00	7.00
12	0120	22.00	23.00	18.00	7.00
14	0140	25.00	25.00	22.00	7.00
16	0160	29.00	27.00	23.00	7.00
18	0180	33.00	33.00	24.00	10.00
20	0200	33.00	35.00	25.00	10.00
22	0220	38.00	37.00	25.00	10.00
24	0240	38.00	39.00	27.00	10.00
25	0250	40.00	40.00	27.00	10.00
28	0280	46.00	43.00	29.00	10.00
30	0300	46.00	45.00	30.00	10.00
32	0320	46.00	48.00	30.00	10.00
33	0330	48.00	48.00	39.00	10.00
35	0350	50.00	50.00	39.00	10.00
38	0380	56.00	56.00	42.00	13.00
40	0400	58.00	58.00	42.00	13.00



LP W01



● Working Conditions

Mediums: Water, oil, weak acids, weak alkali, etc.

Temperature: -20℃ to 180℃

Pressure: ≤0.8MPa

Speed: ≤15m/s

Materials

Stationary Ring: Carbon/Sic/TC

Rotary Ring: Sic/TC/SUS304

Secondary Seal: NBR/EPDM/Viton

Spring and Metal Part: Stainless Steel

D1(mm)	Size Code	D3	D7	L1	L4
15.8	0158	27.0	28.5	19.1	6.3
16.0	0160	27.0	28.5	19.1	6.3
19.1	0191	30.0	31.7	19.1	6.3
24.0	0240	34.1	35.4	19.1	7.6
28.0	0280	40.0	42.0	19.1	7.6
28.6	0286	39.5	41.2	19.1	7.6
30.0	0300	41.0	42.7	19.1	7.6
31.7	0317	42.4	44.2	19.1	7.6
32.0	0320	42.4	44.4	19.1	7.6
35.0	0350	45.5	47.6	19.1	7.6
38.0	0380	51.8	53.9	21.1	8.1
44.4	0444	58.2	60.3	21.1	8.1
47.6	0476	61.4	63.5	21.1	8.1
50.0	0500	61.9	63.9	21.1	8.1
50.8	0508	64.6	66.6	22.1	9.6
53.9	0539	71.0	73.0	22.1	9.6
54.0	0540	71.0	73.9	22.1	9.6
54.6	0546	72.0	75.0	22.1	9.6
55.0	0550	72.0	75.0	22.1	9.6
63.0	0630	79.3	83.0	25.8	9.1
63.5	0635	79.3	88.9	25.8	9.1
69.8	0698	88.9	95.2	25.8	9.1
73.0	0730	94.0	98.4	25.8	9.1
75.0	0750	96.0	100.4	25.8	9.1

● 主要技术参数

介质:水, 油, 弱酸、弱碱等一般腐蚀性化工介质

温度:-20℃ to 200℃

压力:≤0.8MPa

转速:≤15m/s

材料:

静环: Carbon/Sic/TC

动环: Sic/TC/SUS304

辅助密封: NBR/EPDM/Viton

弹簧及金属件: 不锈钢



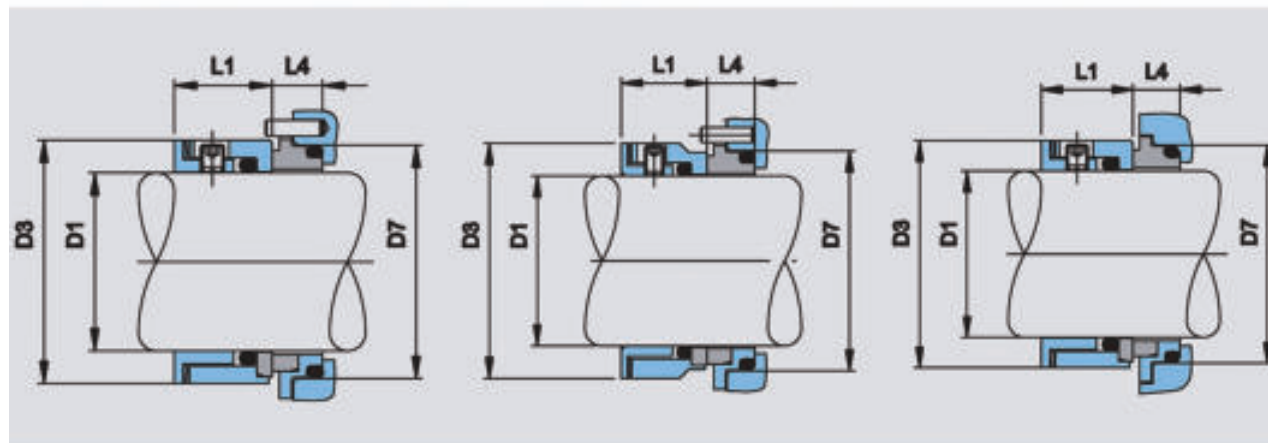
LPW03



LPW03S



LPW04



Seals to suit Alfa Laval SSP SR range LPW03

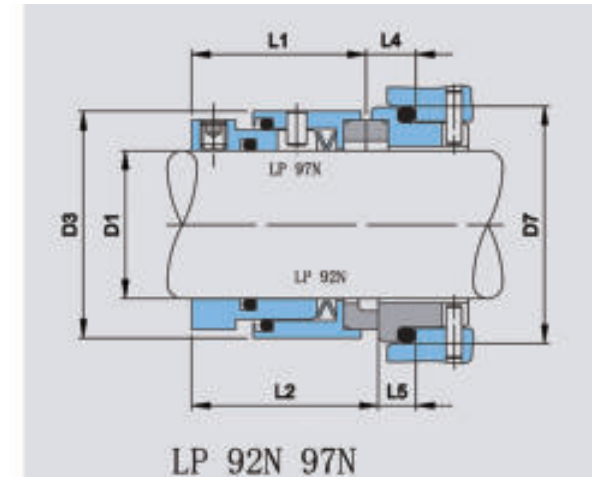
Pump Ref:	D1(mm)	Size Code	D3	D7	L1	L4
SR1	20.0	0200	31.0	30.0	19.1	10.7
SR2	30.0	0300	41.0	41.3	19.1	10.9
SR3	35.0	0350	45.5	47.0	19.1	12.2
SR4	45.0	0450	58.2	58.3	21.1	11.6
SR5	55.0	0550	72.0	69.6	22.1	13.0
SR6	75.0	0750	96.0	92.2	25.8	14.5

Seals to suit Alfa Laval SSP SR Range LPW03S

Pump Ref:	D1(mm)	Size Code	D3	D7	L1	L4
SR1	20.0	0200	32.4	30.0	20.0	10.7
SR2	30.0	0300	44.0	41.3	21.4	10.9
SR3	35.0	0350	50.8	47.0	22.0	12.2
SR4	45.0	0450	62.4	58.3	22.9	11.6
SR5	55.0	0550	76.0	69.6	29.3	13.0
SR6	75.0	0750	99.2	92.2	31.1	14.5

Seals to suit Johnson Classic IC Pumps LPW04

Pump Ref:	D1(mm)	Size Code	D3	D7	L1	L4
Size 10	30.0	0300	41.0	40.0	19.1	9.3
Size 20	35.0	0350	45.5	44.5	19.1	9.2
Size 30	50.0	0500	61.9	62.0	21.1	10.4
Size 40	70.0	0700	88.9	85.0	25.8	14.1
Size 50	80.0	0800	101.0	95.0	25.8	16.2



主要技术参数

介质: 造纸、制糖、污水处理等高粘度介质
温度: -20°C to 200°C
压力: $\leq 2.5\text{MPa}$
转速: $\leq 15\text{m/s}$

材料:
静环: Ceramic / Sic / TC
动环: Carbon / Sic / TC
辅助密封: NBR/EPDM/Viton
弹簧及金属件: 不锈钢

Working Conditions

Mediums: Paper, sugar and sewage disposal etc.
Temperature: -20°C to 200°C
Pressure: $\leq 2.5\text{MPa}$
Speed: $\leq 15\text{m/s}$

Materials

Stationary Ring: Ceramic / Sic / TC
Rotary Ring: Carbon / Sic / TC
Secondary Seal: NBR/EPDM/Viton
Spring and Metal Part: Stainless Steel

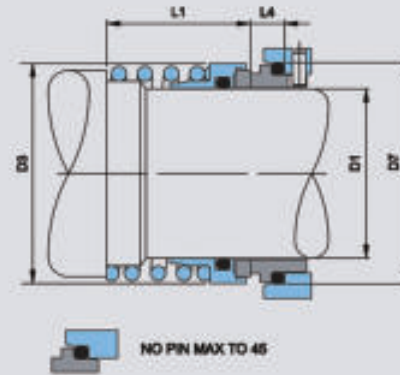


LP 92N & LP97

D1(mm)	Size Code	D3	D7	L4	L5	L1(97)	L2(92N)
18	0180	32.0	33.0	9.0	7.0	28.7	30.7
20	0200	34.0	35.0	9.0	7.0	28.7	30.7
22	0220	36.0	37.0	9.0	7.0	28.7	30.7
24	0240	38.0	39.0	9.0	7.0	31.2	33.2
25	0250	39.0	40.0	9.0	7.0	31.2	33.2
28	0280	42.0	43.0	9.5	7.0	33.2	35.7
30	0300	44.0	45.0	9.5	7.0	33.2	35.7
32	0320	47.0	48.0	9.5	7.0	33.2	35.7
33	0330	47.0	48.0	9.5	7.0	33.2	35.7
35	0350	49.0	50.0	9.5	7.0	33.2	35.7
38	0380	54.0	56.0	10.5	8.0	34.7	37.2
40	0400	56.0	58.0	10.5	8.0	34.7	37.2
43	0430	59.0	61.0	10.5	8.0	34.7	37.2
45	0450	61.0	63.0	10.5	8.0	34.7	37.2
48	0480	64.0	66.0	10.5	8.0	34.7	37.2
50	0500	66.0	70.0	12.0	9.5	35.7	38.2
53	0530	69.0	73.0	12.0	9.5	35.7	38.2
55	0550	71.0	75.0	12.0	9.5	35.7	38.2
58	0580	78.0	78.0	13.0	10.5	39.7	42.2
60	0600	80.0	80.0	13.0	10.5	39.7	42.2
63	0630	83.0	83.0	13.0	10.5	39.7	42.2
65	0650	85.0	85.0	13.0	10.5	39.7	42.2
68	0680	88.0	90.0	13.5	11.0	39.2	41.7
70	0700	90.0	92.0	14.0	11.5	46.2	48.7
75	0750	99.0	97.0	14.0	11.5	46.2	48.7
80	0800	104.0	105.0	14.0	11.5	46.2	48.7
85	0850	109.0	110.0	14.0	11.5	46.2	48.7
90	0900	114.0	115.0	15.5	13.0	49.7	52.2
95	0950	119.0	120.0	15.5	13.0	49.7	52.2
100	1000	124.0	125.0	15.5	13.0	49.7	52.2

Remarks: imported seal, specially designed cartridge seal for plotting and customization subject to your sample and drawing.
ADD.: No. 5, Yunkai Road, Huangpu District, Guangzhou, China.
TEL.: +86-020-36158139, +86-020-36158280

D1(mm)	Size Code	D3	D7	L1	L4
15.8	0158	29.0	28.6	24.5	9
19.1	0191	32.5	31.7	24.5	9
20.0	0200	34.5	33.3	27.5	9
22.2	0222	34.9	34.9	26.0	9
25.0	0250	38.1	39.9	30.0	10
25.4	0254	38.1	39.9	30.0	10
28.0	0280	42.0	43.1	31.5	10
28.6	0286	42.9	43.1	31.5	10
30.0	0300	45.5	44.6	31.5	10
31.7	0317	46.0	46.3	34.5	10
32.0	0320	47.0	46.3	34.5	10
34.9	0349	49.2	49.5	37.5	10
35.0	0350	50.0	49.5	37.5	10
38.0	0380	53.0	52.6	37.5	10
38.1	0381	52.4	52.6	37.5	10
40.0	0400	55.0	54.3	37.5	10
41.2	0412	55.5	55.8	37.5	10
42.0	0420	55.5	55.8	37.5	10
44.4	0444	58.7	59.0	37.5	10
45.0	0450	60.0	59.0	37.5	10
47.6	0476	61.9	63.7	42.5	10
50.0	0500	66.0	65.4	45.5	10
50.8	0508	66.7	66.9	45.5	10
53.9	0539	69.9	70.0	47.0	10
55.0	0550	71.0	70.0	47.0	10
57.1	0571	73.0	73.2	47.0	10
60.0	0600	77.0	76.4	50.5	10
60.3	0603	76.2	76.4	50.5	10
63.5	0635	79.4	79.6	50.5	10
65.0	0650	82.0	81.2	53.5	10
66.6	0666	82.6	82.7	53.5	10
69.8	0698	85.7	85.9	53.5	10
70.0	0700	87.0	85.9	53.5	10
73.0	0730	90.0	89.1	56.5	10
75.0	0750	91.5	90.8	56.5	10
76.2	0762	95.3	95.4	63.0	10



Working Conditions

Mediums: Water, oil, acids, alkali with low corrosion etc.
Temperature: -20°C to 200°C
Pressure: ≤1MPa
Speed: ≤20m/s

Materials

Stationary Ring: Carbon/Sic/TC
Rotary Ring: Sic/TC/SUS304
Secondary Seal: NBR/EPDM/Viton
Spring and Metal Part: Stainless Steel



LP 95

主要技术参数

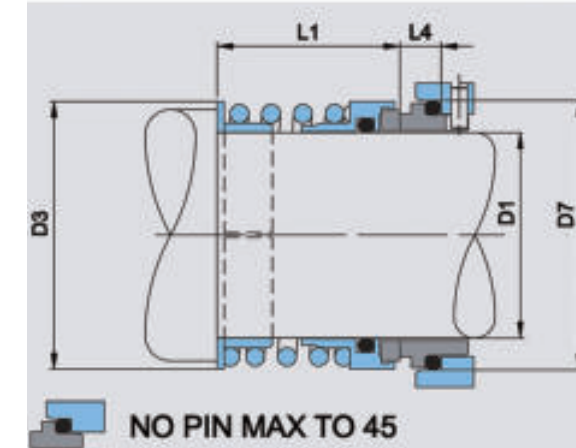
介质: 水, 油, 酸, 碱等中度腐蚀性化工介
温度: -20°C to 200°C
压力: ≤1MPa
转速: ≤20m/s

材料:

静环: Carbon/Sic/TC
动环: Sic/TC/SUS304
辅助密封: NBR/EPDM/Viton
弹簧及金属件: 不锈钢



LP 96



Working Conditions

Mediums: Water, oil, acids, alkali with low corrosion etc.
Temperature: -20°C to 200°C
Pressure: ≤1MPa
Speed: ≤20m/s

Materials

Stationary Ring: Carbon/Sic/TC
Rotary Ring: Sic/TC/SUS304
Secondary Seal: NBR/EPDM/Viton
Spring and Metal Part: Stainless Steel

D1(mm)	Size Code	D3	D7	L1	L4
15.8	0158	29.0	28.6	26.0	9
19.1	0191	32.5	31.7	26.0	9
20.0	0200	34.5	33.3	29.0	9
22.2	0222	34.9	34.9	27.5	9
25.0	0250	38.1	39.9	31.5	10
25.4	0254	38.1	39.9	31.5	10
28.0	0280	42.0	43.1	33.0	10
28.6	0286	42.9	43.1	33.0	10
30.0	0300	45.5	44.6	33.0	10
31.7	0317	46.0	46.3	36.0	10
32.0	0320	47.0	46.3	36.0	10
34.9	0349	49.2	49.5	39.0	10
35.0	0350	50.0	49.5	39.0	10
38.0	0380	53.0	52.6	39.0	10
38.1	0381	52.4	52.6	39.0	10
40.0	0400	55.0	54.3	39.0	10
41.2	0412	55.5	55.8	39.0	10
42.0	0420	55.5	55.8	39.0	10
44.4	0444	58.7	59.0	39.0	10
45.0	0450	60.0	59.0	39.0	10
47.6	0476	61.9	63.7	44.0	10
50.0	0500	66.0	65.4	47.0	10
50.8	0508	66.7	66.9	47.0	10
53.9	0539	69.9	70.0	48.5	10
55.0	0550	71.0	70.0	48.5	10
57.1	0571	73.0	73.2	48.5	10
60.0	0600	77.0	76.4	52.0	10
60.3	0603	76.2	76.4	52.0	10
63.5	0635	79.4	79.6	52.0	10
65.0	0650	82.0	81.2	55.0	10
66.6	0666	82.6	82.7	55.0	10
69.8	0698	85.7	85.9	55.0	10
70.0	0700	87.0	85.9	55.0	10
73.0	0730	90.0	89.1	60.0	10
75.0	0750	91.5	90.8	60.0	10
76.2	0762	95.3	95.4	66.0	10

Remarks: imported seal, specially designed cartridge seal for plotting and customization subject to your sample and drawing.
ADD.: No. 5, Yunkai Road, Huangpu District, Guangzhou, China.
TEL.: +86-020-36158139, +86-020-36158280

D1(mm)	Size Code	D3	D7	L1	L4
20	0200	34.5	33.32	35.5	9
25	0250	41.1	39.85	39.0	10
28	0280	42.0	43.05	41.0	10
30	0300	45.5	44.63	41.0	10
32	0320	47.0	46.32	44.0	10
35	0350	50.0	49.48	47.0	10
38	0380	53.0	52.56	47.0	10
40	0400	55.0	54.25	47.0	10
42	0420	55.5	55.83	47.0	10
45	0450	60.0	59.02	47.0	10
50	0500	66.0	65.37	58.5	10
55	0550	71.0	70.03	60.0	10
60	0600	77.0	76.38	63.0	10
65	0650	82.0	81.23	66.0	10
70	0700	87.0	85.90	66.0	10
75	0750	91.5	90.77	71.0	10
80	0850	99.5	100.29	77.5	10
85	0800	105.5	104.77	77.5	10
90	0900	110.5	109.82	82.0	10
95	0950	115.5	114.30	82.0	10
100	1000	120.0	119.33	82.0	10
105	1050	128.0	127.00	88.5	10
110	1100	133.0	131.77	88.5	10
115	1150	137.5	136.52	88.5	10
120	1200	144.0	142.87	95.0	10

D1(inch)	Size Code	D3	D7	L1	L4
0.625	0158	29.00	28.57	32.5	9.0
0.750	0191	32.50	31.75	32.5	9.0
0.875	0222	34.93	34.93	35.3	9.2
1.000	0254	38.10	39.85	39.0	10.0
1.125	0285	42.86	43.05	41.0	10.0
1.250	0317	46.00	46.32	44.0	10.0
1.375	0349	49.21	49.48	47.0	10.0
1.500	0381	52.39	52.56	47.0	10.0
1.625	0412	55.50	55.83	47.0	10.0
1.750	0444	58.74	59.02	47.0	10.0
1.875	0476	61.91	63.68	55.0	10.0
2.000	0508	66.68	66.85	58.5	10.0
2.125	0539	69.85	70.03	60.0	10.0
2.250	0571	73.02	73.20	60.0	10.0
2.375	0603	76.20	76.38	63.0	10.0
2.500	0635	79.38	79.56	63.0	10.0
2.625	0666	82.55	82.73	66.0	10.0
2.750	0698	85.72	85.90	66.0	10.0
2.875	0730	90.00	89.08	71.0	10.0
3.000	0762	95.25	95.43	77.5	10.0
3.250	0825	101.60	101.78	77.5	10.0
3.500	0889	107.95	108.13	77.5	10.0
4.000	1016	124.50	124.00	88.5	10.0



LP 98

主要技术参数

介质: 水, 油, 酸碱等中度腐蚀性化工介质

温度: -20℃ to 200℃

压力: ≤1MPa

转速: ≤20m/s

材料:

静环: Carbon/Sic/TC

动环: Sic/TC/SUS304

辅助密封: NBR/EPDM/Viton

弹簧及金属件: 不锈钢

Working Conditions

Mediums: Water, oil, acids, alkali with low corrosion etc.

Temperature: -20℃ to 200℃

Pressure: ≤1MPa

Speed: ≤20m/s

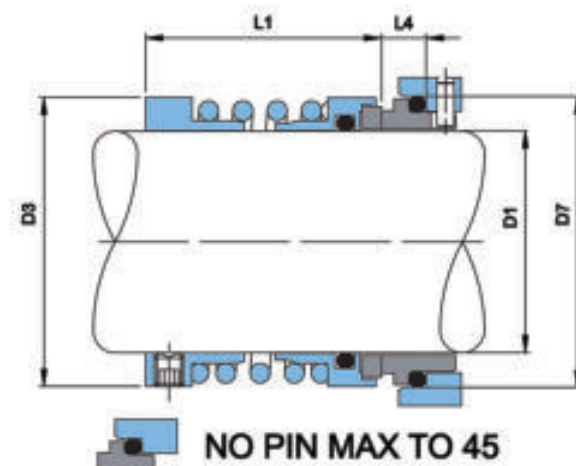
Materials

Stationary Ring: Carbon/Sic/TC

Rotary Ring: Sic/TC/SUS304

Secondary Seal: NBR/EPDM/Viton

Spring and Metal Part: Stainless Steel



主要技术参数

介质: 水, 油, 酸碱等中度腐蚀性化工介质

温度: -20℃ to 200℃

压力: ≤1MPa

转速: ≤20m/s

材料:

静环: Carbon/Sic/TC

动环: Sic/TC/SUS304

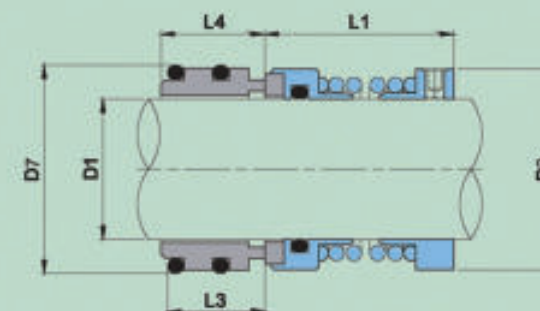
辅助密封: NBR/EPDM/Viton

弹簧及金属件: 不锈钢



LP 97

D1(mm)	Size Code	D3	D7	L1	L4	L3
20	0200	34.50	37.0	38.0	24.0	23.0
22	0220	34.93	39.0	38.0	24.0	23.0
25	0250	41.00	40.0	38.0	24.0	23.0
28	0282	42.00	44.0	40.0	24.0	23.0
30	0300	45.50	47.0	40.0	26.0	24.0
32	0320	47.00	48.0	40.0	26.0	24.0
35	0350	50.00	51.0	40.0	26.0	24.0
38	0380	53.00	54.0	45.0	26.0	24.0
40	0400	55.00	57.0	45.0	26.0	24.0
42	0420	55.50	60.5	50.0	26.0	24.0
45	0450	60.00	61.0	50.0	26.0	24.0
48	0480	61.91	64.0	55.0	26.0	24.0
50	0500	66.00	67.0	55.0	26.0	24.0
52	0520	68.00	70.0	58.0	26.0	24.0
55	0550	71.00	73.0	58.0	26.0	24.0
58	0580	74.00	76.0	58.0	26.0	24.0
60	0600	77.00	80.0	60.0	28.0	26.0
62	0620	78.00	83.0	60.0	28.0	26.0
65	0650	82.00	86.0	62.0	28.0	26.0
68	0680	84.00	89.0	62.0	28.0	26.0
70	0700	87.00	89.0	65.0	28.0	26.0
75	0750	91.50	95.0	65.0	28.0	26.0
80	0800	99.50	99.0	70.0	28.0	26.0
85	0850	105.50	105.0	70.0	28.0	26.0
90	0900	110.50	111.0	70.0	28.0	26.0
95	0950	115.50	114.0	75.0	28.0	26.0
100	1000	120.00	118.0	75.0	28.0	26.0
105	1050	128.00	132.0	75.0	30.0	28.0
110	1100	133.00	137.0	80.0	30.0	28.0
115	1150	137.00	140.0	80.0	30.0	28.0
120	1200	144.00	147.0	85.0	30.0	28.0
125	1250	149.00	150.0	85.0	30.0	28.0
130	1300	154.00	156.0	85.0	30.0	28.0



LP 98

Working Conditions

Mediums: Water, oil, acids, alkali with low corrosion etc.

Temperature: -20℃ to 200℃

Pressure: ≤1MPa

Speed: ≤20m/s

Materials

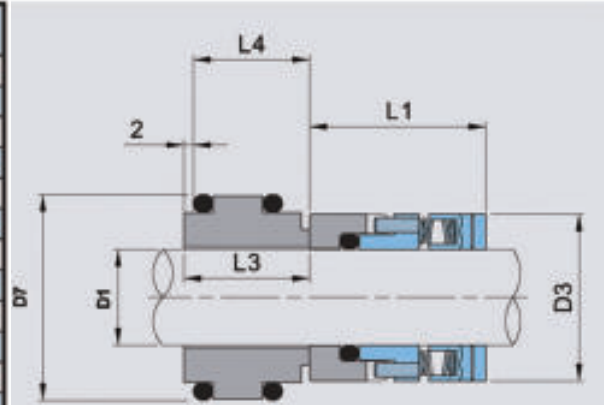
Stationary Ring: Carbon/Sic/TC

Rotary Ring: Sic/TC/SUS304

Secondary Seal: NBR/EPDM/Viton

Spring and Metal Part: Stainless Steel

D1(mm)	Size Code	D3	D7	L1	L3	L4
20	0200	34	42	35	25	23
22	0220	36	44	35	25	23
24	0240	38	46	35	25	23
25	0250	39	47	35	25	23
28	0280	42	50	35	25	23
30	0300	44	52	35	25	23
32	0320	46	54	35	25	23
33	0330	47	55	35	25	23
35	0350	49	57	35	25	23
38	0380	54	64	38	27	25
40	0400	56	66	38	27	25
42	0420	58	68	38	27	25
43	0430	59	69	38	27	25
45	0450	61	71	38	27	25
48	0480	64	74	38	27	25
50	0500	66	76	39	27	25
52	0520	68	78	40	27	25
53	0530	69	79	40	27	25
55	0550	71	81	40	27	25
58	0580	76	89	41	30	28
60	0600	78	91	41	30	28
62	0620	80	93	41	30	28
63	0630	81	94	41	30	28
65	0650	83	96	41	30	28
68	0680	86	99	41	32	30
70	0700	90	101	42	32	30
75	0750	95	110	42	32	30
80	0800	100	115	42	33	31
85	0850	105	120	43	33	31
90	0900	110	125	45	33	31
95	0950	115	130	45	33	31
100	1000	120	135	45	33	31



Working Conditions

Mediums: Water, oil, acids, alkali with low corrosion etc.

Temperature: -20°C to 180°C

Pressure: ≤1MPa

Speed: ≤20m/s

Materials

Stationary Ring: Carbon/Sic/TC

Rotary Ring: Sic/TC/SUS304

Secondary Seal: NBR/EPDM/Viton

Spring and Metal Part: Stainless Steel



LPRO

主要技术参数

介质: 水, 油, 酸碱等中度腐蚀性化工介质

温度: -20°C to 180°C

压力: ≤1MPa

转速: ≤20m/s

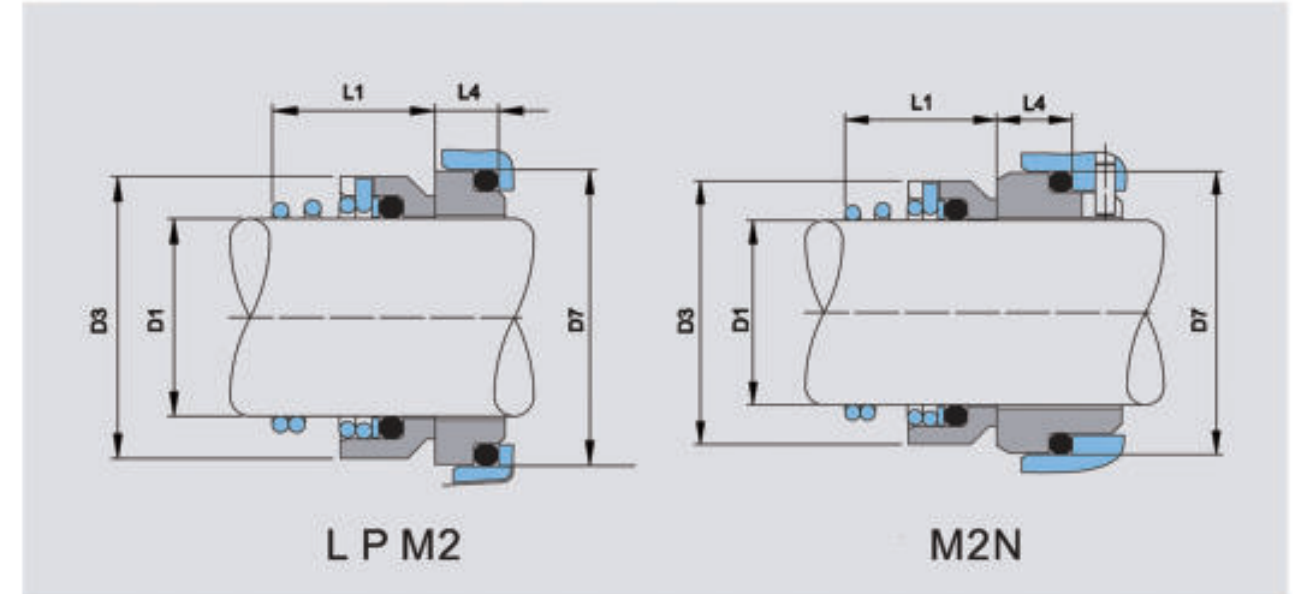
材料:

静环: Carbon/Sic/TC

动环: Sic/TC/SUS304

辅助密封: NBR/EPDM/Viton

弹簧及金属件: 不锈钢



L P M2

M2N



主要技术参数

介质: 水, 油, 弱碱等一般腐蚀性化工介质

温度: -20°C to 180°C

压力: ≤1MPa

转速: ≤15m/s

材料:

静环: Ceramic/Sic/TC

动环: Carbon/Sic/TC

辅助密封: NBR/EPDM/Viton

弹簧及金属件: 不锈钢

Working Conditions

Mediums: Water, oil, weak acids, weak alkali, etc.

Temperature: -20°C to 180°C

Pressure: ≤1MPa

Speed: ≤15m/s

Materials

Stationary Ring: Ceramic/Sic/TC

Rotary Ring: Carbon/Sic/TC

Secondary Seal: NBR/EPDM/Viton

Spring and Metal Part: Stainless Steel



LPM2

M2N

M2 size chart

D1(mm)	Size Code	D3	D7	L1	L4
10	0100	20.0	19.2	15.9	6.6
12	0120	22.0	21.6	16.0	5.6
14	0140	25.0	24.6	16.0	5.6
15	0150	27.0	24.6	17.4	6.6
16	0160	27.0	28.0	19.0	7.5
18	0180	30.0	30.0	20.5	8.0
20	0200	32.0	35.0	22.0	7.5
22	0220	35.0	35.0	23.5	7.5
24	0240	38.0	38.0	25.0	7.5
25	0250	40.0	38.0	26.5	7.5
28	0280	43.0	42.0	26.5	9.0
30	0300	45.0	45.0	25.0	10.5
32	0320	47.0	48.0	28.5	10.5
35	0350	50.0	52.0	28.5	11.0
38	0380	56.0	55.0	32.0	10.3

M2N size chart

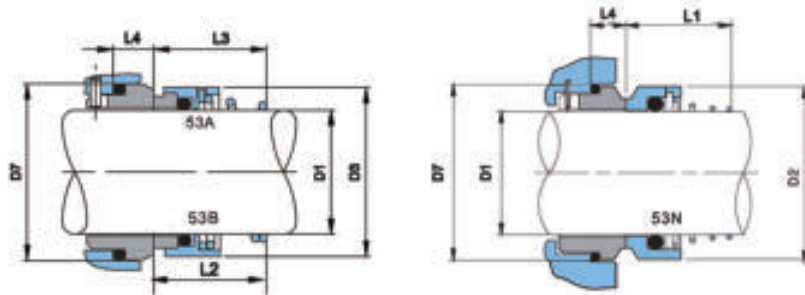
D1(mm)	Size Code	D3	D7	L1	L4
10	0100	20.0	21.0	17.5	10.0
12	0120	22.0	23.0	17.5	10.0
14	0140	25.0	25.0	17.5	10.0
16	0160	27.0	27.0	19.5	10.0
18	0180	30.0	33.0	20.5	11.5
20	0200	32.0	35.0	22.0	11.5
22	0220	35.0	37.0	23.5	11.5
24	0240	38.0	39.0	25.0	11.5
25	0250	40.0	40.0	26.5	11.5
28	0280	43.0	43.0	26.5	11.5
30	0300	45.0	45.0	25.0	11.5
32	0320	47.0	48.0	28.5	11.5
35	0350	50.0	50.0	28.5	11.5
38	0380	56.0	56.0	32.0	14.0

Remarks: imported seal, specially designed cartridge seal for plotting and customization subject to your sample and drawing.

ADD.: No. 5, Yunkai Road, Huangpu District, Guangzhou, China.

TEL.: +86-020-36158139, +86-020-36158280

D1(mm)	Size Code	D2(53N)	D3(53A,53B)	L1(53N)	L2(53B)	L3(53A)	D7	L4
10	0100	19	20	15.5	-	16.9	21	10
12	0120	21	22	16	-	17.4	23	10
14	0140	23	24	16.5	16.5	17.4	25	10
16	0160	26	26	18	16.5	19.5	27	10
18	0180	29	31	19.5	18	20.5	33	11.5
20	0200	31	34	22	19	22	35	11.5
22	0220	33	36	21.5	20.5	23.5	37	11.5
24	0240	35	38	23.5	22	25	39	11.5
25	0250	36	39	26.5	23.5	26.5	40	11.5
28	0280	40	42	26.5	24.5	26.5	43	11.5
30	0300	43	44	26.5	24.5	25	45	11.5
32	0320	46	46	28.5	28	28.5	48	11.5
33	0330	47	47	28.5	-	-	48	11.5
35	0350	49	49	28.5	28	28.5	50	11.5
38	0380	53	54	33.5	31	32.2	56	14
40	0400	56	56	36	34	34.7	58	14
43	0430	59	59	38.5	-	-	61	14
45	0450	61	61	39.5	36.5	39.2	63	14
48	0480	64	64	46	42	44.7	66	14
50	0500	66	66	45	43	45.7	70	15
53	0530	69	69	47	-	-	73	15
55	0550	70	71	49	47	49	75	15
58	0580	76	78	55	50	52	78	15
60	0600	78	79	55	51	55	80	15
63	0630	83	83	55	-	-	83	15
65	0650	84	85	55	52	54.3	85	15
68	0680	88	88	55	52.7	55.3	90	18
70	0700	90	90	57	54	56.3	92	18
75	0750	98	98	62	54	56.3	97	18
80	0800	100	103	61.8	58	59.3	105	18.2



主要技术参数

污水泵及化工泵
温度: -20℃ to 180℃
压力: ≤1MPa
转速: ≤10m/s

材料:
静环: Carbon/Ceramic/Sic/TC
动环: Carbon/Sic/TC/SUS304
辅助密封: NBR/EPDM/Viton
弹簧及金属件: 不锈钢

Working Conditions

Pumps: Water pump, sewage pumps and chemical pumps, etc.
Temperature: -20℃ to 180℃
Pressure: ≤1MPa
Speed: ≤15m/s

Materials

Stationary Ring: Carbon/Ceramic/Sic/TC
Rotary Ring: Carbon/Sic/TC/SUS304
Secondary Seal: NBR/EPDM/Viton
Spring and Metal Part: Stainless Steel



LP 53A 53B 53N



LP1527

主要技术参数

介质: 水, 油, 酸、碱等中度腐蚀性化工介质
温度: -20℃ to 180℃
压力: ≤1MPa
转速: ≤10m/s

材料:

静环: Carbon/Ceramic/Sic/TC
动环: Carbon/Sic/TC
辅助密封: NBR/EPDM/Viton
弹簧及金属件: 不锈钢



Working Conditions

Mediums: Water, oil, acids, alkali, etc.
Temperature: -20℃ to 180℃
Pressure: ≤1MPa
Speed: ≤10m/s

Materials

Stationary Ring: Carbon/Ceramic/Sic/TC
Rotary Ring: Carbon/Sic/TC
Secondary Seal: NBR/EPDM/Viton
Spring and Metal Part: Stainless Steel

D1(mm)	Size Code	D3	D7	L1	L4
18	0180	32	33	35	10
20	0200	34	35	35	10
22	0220	36	37	35	10
24	0240	38	39	40	10
25	0250	39	40	40	10
28	0280	42	43	40	10
30	0300	44	45	40	10
32	0320	46	48	45	10
33	0330	47	48	45	10
35	0350	49	50	45	10
38	0380	54	56	44	11
40	0400	56	58	44	11
43	0430	59	61	49	11
45	0450	61	63	49	11
48	0480	64	66	49	11
50	0500	66	70	47	13
53	0530	69	73	57	13
55	0550	71	75	57	13
58	0580	78	78	57	13
60	0600	80	80	57	13
63	0630	83	83	57	13
65	0650	85	85	67	13
68	0680	88	90	64.7	15.3
70	0700	90	92	64.7	15.3
75	0750	99	97	64.7	15.3
80	0800	104	105	74.3	15.7
85	0850	109	110	74.3	15.7
90	0900	114	115	74.3	15.7
95	0950	119	120	74.3	15.7
100	1000	124	125	74.3	15.7

D1(mm)	Size Code	D2	D3	D7	L1	L4	L3
10	0100	14	24	21	25.7	10	8
12	0120	16	26	23	26.7	10	8
14	0140	18	31	25	29.7	10	8
16	0160	20	34	27	31.2	10	8
18	0180	22	36	33	32.7	11.5	8.5
20	0200	24	38	35	32.7	11.5	8.5
22	0220	26	40	37	32.7	11.5	8.5
24	0240	28	42	39	32.7	11.5	8.5
25	0250	30	44	40	33.7	11.5	8.5
28	0280	33	47	43	35.7	11.5	8.5
30	0300	35	49	45	35.7	11.5	8.5
32	0320	38	54	48	39.7	11.5	8.5
33	0330	38	54	48	39.7	11.5	8.5
35	0350	40	56	50	43.7	11.5	8.5
38	0380	43	59	56	46.2	14	9
40	0400	45	61	58	48.2	14	9
43	0430	48	64	61	51.2	14	9
45	0450	50	66	63	55.2	14	9
48	0480	53	69	66	55.2	14	9
50	0500	55	71	70	58.2	15	10
53	0530	58	78	73	60.2	15	10
55	0550	60	79	75	60.2	15	10
58	0580	63	83	78	60.2	15	10
60	0600	65	85	80	60.2	15	10
63	0630	68	88	83	60.2	15	10
65	0650	70	90	85	61.2	15	10
70	0700	75	98	92	63.2	18	10
75	0750	80	103	97	68.2	18	10
80	0800	85	109	105	68.2	18.2	9.8

主要技术参数

主要用于：清水泵、污水泵及化工泵

温度：-20℃ to 180℃

压力：≤2.5MPa

转速：≤10m/s

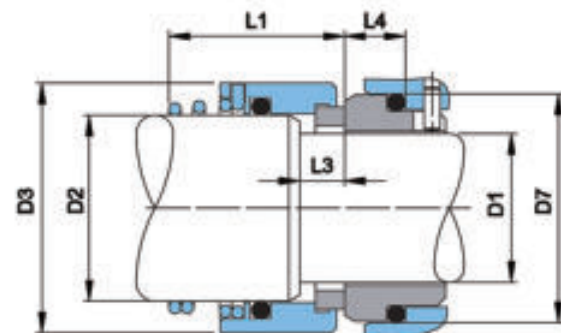
材料：

静环：Ceramic/Sic/TC

动环：Carbon/Sic/TC

辅助密封：NBR/EPDM/Viton

弹簧及金属件：不锈钢



Working Conditions

Pumps: Water pumps, sewage pumps, chemical pumps, etc.

Temperature: -20℃ to 180℃

Pressure: ≤2.5MPa

Speed: ≤10m/s

Materials

Stationary Ring: Ceramic/Sic/TC

Rotary Ring : Carbon/Sic/TC

Secondary Seal: NBR/EPDM/Viton

Spring and Metal Part: Stainless Steel



LP H12N



LP 8-1

主要技术参数

介质：石油制品、化工溶剂、中弱腐蚀酸类

温度：-30℃ to 200℃

压力：≤1.7MPa

转速：≤25m/s

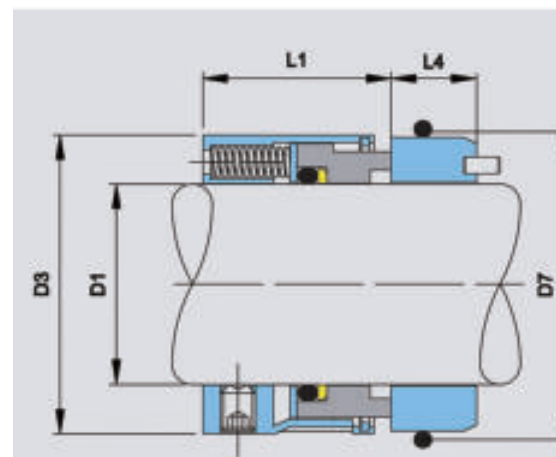
材料：

静环：Ceramic/Sic/TC

动环：Carbon/Sic/TC

辅助密封：NBR/EPDM/Viton

弹簧及金属件：不锈钢



Working Conditions

Working Conditions

Mediums: Petroleum, chemical solvents, medium corrosion.

Temperature: 30℃ to 200℃

Pressure: ≤1.7MPa

Speed: ≤25m/s

Materials

Stationary Ring: Ceramic/Sic/TC

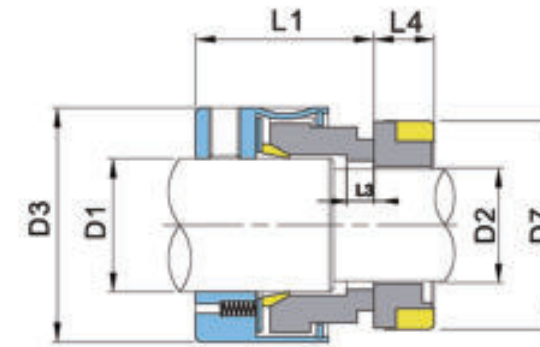
Rotary Ring : Carbon/Sic/TC

Secondary Seal: NBR/EPDM/Viton

Spring and Metal Part: Stainless Steel

D1(inch)	Size Code	D3	D7	L1	L4
0.500	0127	26.70	25.60	21.0	7.9
0.625	0158	30.70	31.95	19.0	10.3
0.750	0191	34.00	35.12	22.2	10.3
0.875	0222	37.20	38.30	24.0	10.3
1.000	0254	40.30	41.48	25.0	11.15
1.125	0286	43.50	44.65	27.0	11.15
1.250	0317	48.30	47.83	27.0	11.15
1.375	0349	51.50	51.00	29.0	11.15
1.500	0381	54.60	54.18	29.0	11.15
1.625	0412	61.00	60.53	35.0	12.75
1.750	0444	64.20	63.70	35.0	12.75
1.875	0476	67.30	66.88	35.0	12.75
2.000	0508	70.50	70.05	35.0	12.75
2.125	0539	76.90	76.40	43.0	14.33
2.250	0571	80.00	79.58	43.0	14.33
2.375	0603	83.20	82.75	43.0	14.33
2.500	0635	86.40	85.93	43.0	14.33
2.625	0666	89.60	85.93	43.0	15.93
2.750	0698	92.70	89.10	43.0	15.93
2.875	0730	95.90	95.45	43.0	15.93
3.000	0762	97.50	98.63	43.0	15.93
3.125	0793	100.70	101.80	43.0	19.84
3.250	0825	105.40	104.98	43.0	19.84
3.375	0857	108.60	108.15	43.0	19.84
3.500	0889	111.80	111.13	43.0	19.84
3.625	0921	115.00	114.35	43.0	19.84
3.750	0953	118.10	117.68	43.0	19.84
3.875	0984	121.30	120.85	43.0	19.84
4.000	1016	124.50	124.03	43.0	19.84

D1(Inch)	Size Code	D1	D2	D3	L1	L3	D7	L4
0.625	0158	15.87	12.7	30.80	27.0	7.5	25.60	7.90
0.750	0191	19.05	15.9	34.00	30.0	7.8	31.95	10.30
0.875	0222	22.22	19.1	37.20	32.0	8.0	35.12	10.30
1.000	0254	25.40	22.2	40.30	33.0	8.0	38.30	10.30
1.125	0286	28.58	25.4	43.40	35.0	7.9	41.48	11.15
1.250	0317	31.75	28.6	48.30	35.0	7.9	44.65	11.15
1.375	0349	34.93	28.6	51.30	37.0	8.7	44.65	11.15
1.500	0381	38.10	31.8	54.50	37.0	8.7	47.83	11.15
1.625	0412	41.28	34.9	60.80	45.0	8.7	51.00	11.15
1.750	0444	44.45	38.1	64.00	45.0	9.5	54.18	11.15
1.875	0476	47.62	41.3	67.20	45.0	9.5	60.53	12.75
2.000	0508	50.80	44.5	70.40	45.0	9.5	63.70	12.75
2.125	0539	53.98	47.6	76.70	52.0	11.1	66.88	12.75
2.250	0571	57.15	50.8	79.90	52.0	11.1	70.05	12.75
2.375	0603	60.33	54.0	83.10	52.0	11.1	76.40	14.33
2.500	0635	63.50	57.2	86.20	52.0	11.1	79.58	14.33
2.625	0666	66.68	60.3	89.40	52.0	11.1	82.75	14.33
2.750	0698	69.85	63.5	92.60	52.0	11.1	85.93	14.33
2.875	0730	73.03	66.7	95.80	52.0	11.1	85.96	15.93
3.000	0762	76.20	69.9	97.30	52.0	11.1	89.10	15.93
3.125	0793	79.38	73.0	100.50	52.0	11.1	95.45	15.93
3.250	0825	82.55	76.2	105.30	52.0	14.3	98.63	19.84
3.375	0857	85.73	79.4	108.50	52.0	14.3	101.80	19.84
3.500	0889	88.90	82.6	111.60	52.0	14.3	104.98	19.84
3.625	0921	92.08	85.7	114.80	52.0	14.3	108.15	19.84
3.750	0953	95.25	88.9	118.00	52.0	14.3	111.33	19.84
3.875	0984	98.43	92.1	121.20	52.0	14.3	114.50	19.84
4.000	1016	101.60	95.3	124.30	52.0	14.3	117.68	19.84



主要技术参数

介质:石油制品、化工溶剂、中弱腐蚀酸类
温度: -30℃ to 200℃
压力: ≤2.5MPa
转速: ≤25m/s

材料:

静环: Ceramic/Sic/TC
动环: Carbon/Sic/TC
辅助密封: PTFE
弹簧及金属件: 不锈钢

Working Conditions

Mediums: Petroleum, chemical solvents, medium corrosion.
Temperature: 30℃ to 200℃
Pressure: ≤2.5MPa
Speed: ≤25m/s

Materials

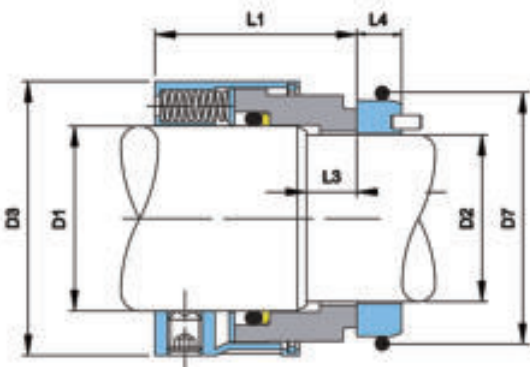
Stationary Ring: Ceramic/Sic/TC
Rotary Ring: Carbon/Sic/TC
Secondary Seal: PTFE
Spring and Metal Part: Stainless Steel



LP 109B

D1(Inch)	Size Code	D1	D2	D3	D7	L1	L4	L3
0.625	0158	15.87	12.7	30.7	25.40	27	7.95	4.8
0.750	0191	19.05	15.9	34.0	31.75	30	10.3	4.8
0.875	0222	22.22	19.1	37.2	34.93	32	10.3	6.4
1.000	0254	25.40	22.2	40.3	38.10	33	10.3	6.4
1.125	0286	28.58	25.4	43.5	41.28	35	11.1	7.9
1.250	0317	31.75	28.6	48.3	44.45	35	11.1	7.9
1.375	0349	34.93	28.6	51.5	44.45	37	11.1	8.7
1.500	0381	38.10	31.8	54.6	47.63	37	11.1	8.7
1.625	0412	41.28	34.9	61.0	50.80	45	11.1	8.7
1.750	0444	44.45	38.1	64.2	53.98	45	11.1	9.5
1.875	0476	47.62	41.3	67.3	60.33	45	12.7	9.5
2.000	0508	50.80	44.5	70.5	63.50	45	12.7	9.5
2.125	0539	53.98	47.6	76.9	66.68	52	12.7	11.1
2.250	0571	57.15	50.8	80.0	69.86	52	12.7	11.1
2.375	0603	60.33	54.0	83.2	76.20	52	14.3	11.1
2.500	0635	63.50	57.2	86.4	79.38	52	14.3	11.1
2.625	0666	66.68	60.3	89.6	82.55	52	14.3	11.1
2.750	0698	69.85	63.5	92.7	85.73	52	14.3	11.1
2.875	0730	73.03	66.7	95.9	85.73	52	14.3	11.1
3.000	0762	76.20	69.9	97.5	88.90	52	15.9	11.1
3.125	0794	79.38	73.0	100.7	95.25	52	15.9	11.1
3.250	0825	82.55	76.2	105.4	98.43	52	15.9	14.3
3.375	0857	85.73	79.4	108.6	101.60	52	19.8	14.3
3.500	0889	88.90	82.6	111.8	104.78	52	19.8	14.3
3.625	0921	92.08	85.7	115.0	107.95	52	19.8	14.3
3.750	0953	95.25	88.9	118.1	111.13	52	19.8	14.3
3.875	0984	98.43	92.1	121.3	114.30	52	19.8	14.3
4.000	1016	101.60	95.3	124.5	117.48	52	19.8	14.3

Remarks: imported seal, specially designed cartridge seal for plotting and customization subject to your sample and drawing.
ADD.: No. 5, Yunkai Road, Huangpu District, Guangzhou, China.
TEL.: +86-020-36158139, +86-020-36158280



主要技术参数

介质:石油制品、化工溶剂、中弱腐蚀酸类
温度: -30℃ to 200℃
压力: ≤2.5MPa
转速: ≤25m/s

材料:

静环: Ceramic/Sic/TC
动环: Carbon/Sic/TC
辅助密封: NBR/EPDM/Viton
弹簧及金属件: 不锈钢

Working Conditions

Mediums: Petroleum, chemical solvents, medium corrosion.
Temperature: 30℃ to 200℃
Pressure: ≤2.5MPa
Speed: ≤25m/s

Materials

Stationary Ring: Ceramic/Sic/TC
Rotary Ring: Carbon/Sic/TC
Secondary Seal: NBR/EPDM/Viton
Spring and Metal Part: Stainless Steel



LP8B1

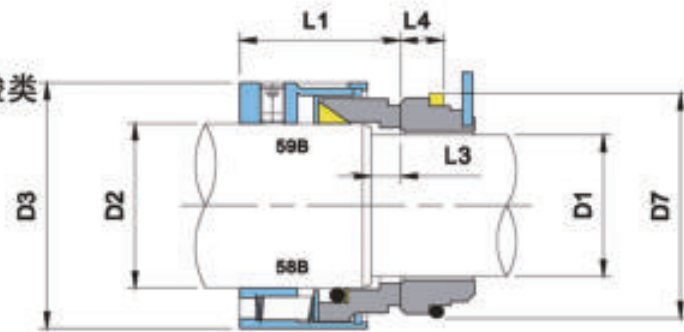
D1(mm)	Size Code	D2	D3	D7	L1	L4	L3
14	0140	18	32	25	30.7	12	6
16	0160	20	34	27	30.7	12	6
18	0180	22	36	33	31.7	13.5	6.5
20	0200	24	38	35	31.7	13.5	6.5
22	0220	26	40	37	31.7	13.5	6.5
24	0240	28	42	39	34.4	13.5	6.5
25	0250	30	44	40	34.7	13	7
28	0280	38	47	43	37.7	12.5	7.5
30	0300	35	49	45	38.2	12	8
32	0320	38	54	48	38.2	12	8
33	0330	38	54	48	38.2	12	8
35	0350	40	56	50	38.2	12	8
38	0380	43	59	56	39.7	13	10
40	0400	45	61	58	39.7	13	10
43	0430	48	64	61	39.7	13	10
45	0450	50	66	63	39.7	13	10
48	0480	53	69	66	39.7	13	10
50	0500	55	71	70	44.2	13.5	11.5
53	0530	58	78	73	44.2	13.5	11.5
55	0550	60	80	75	44.2	13.5	11.5
58	0580	63	83	78	49.2	13.5	11.5
60	0600	65	85	80	49.2	13.5	11.5
63	0630	68	88	83	49.2	13.5	11.5
65	0650	70	90	85	49.2	13.5	11.5
70	0700	75	95	92	55.7	14.5	13.5
75	0750	80	104	97	55.7	14.5	13.5
80	0800	85	109	105	55.2	15	13
85	0850	90	114	110	60.2	15	13
90	0900	95	119	115	60.2	15	13
95	0950	100	124	120	60.2	15	13
100	1000	105	129	125	60.2	15	13

主要技术参数

介质:石油制品、化工溶剂、中弱腐蚀酸类
温度:-30℃ to 200℃
压力:≤2.5MPa
转速:≤25m/s

材料:

静环: Ceramic/Sic/TC
动环: Carbon/Sic/TC
辅助密封: PTFE
弹簧及金属件: 不锈钢



Working Conditions

Mediums: Petroleum, chemical solvents, medium corrosion.
Temperature: 30℃ to 200℃
Pressure: ≤2.5MPa
Speed: ≤25m/s

Materials

Stationary Ring: Ceramic/Sic/TC
Rotary Ring : Carbon/Sic/TC
Secondary Seal: PTFE
Spring and Metal Part: Stainless Steel



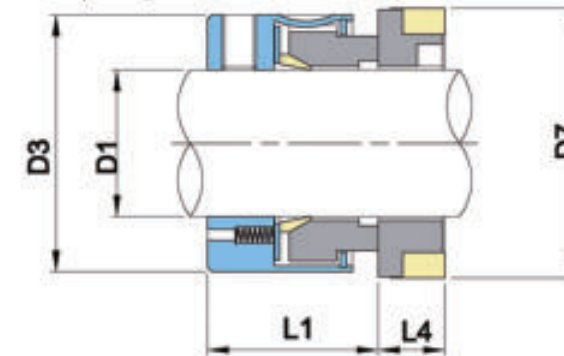
LP59B LP58B

Working Conditions

Mediums: Petroleum, chemical solvents, medium corrosion.
Temperature: 30℃ to 200℃
Pressure: ≤1.7MPa
Speed: ≤25m/s

Materials

Stationary Ring: Ceramic/Sic/TC
Rotary Ring : Carbon/Sic/TC
Secondary Seal: PTFE
Spring and Metal Part: Stainless Steel



109

主要技术参数

介质:石油制品、化工溶剂、中弱腐蚀酸类
温度:-30℃ to 200℃
压力:≤1.7MPa
转速:≤25m/s

材料:

静环: Ceramic/Sic/TC
动环: Carbon/Sic/TC
辅助密封: PTFE
弹簧及金属件: 不锈钢

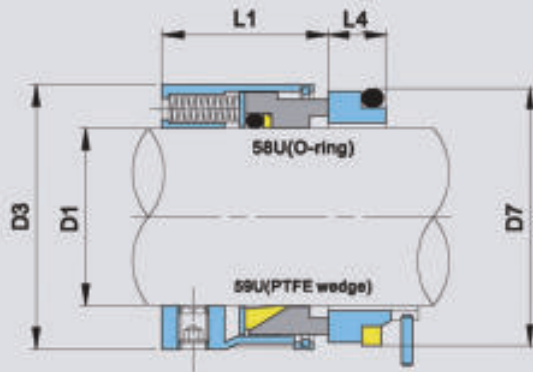
D1(inch)	Size Code	D3	D7	L1	L4
0.500	0127	26.7	25.40	20.6	8.0
0.625	0158	30.7	31.75	19.0	10.3
0.750	0191	34.0	34.93	22.2	10.3
0.875	0222	37.2	38.10	23.8	10.3
1.000	0254	40.3	41.28	25.4	11.1
1.125	0285	43.5	44.45	27.0	11.1
1.250	0317	48.3	47.63	27.0	11.0
1.375	0349	51.5	50.80	28.6	11.1
1.500	0381	54.6	53.98	28.6	11.1
1.625	0412	61.0	60.33	35.0	12.7
1.750	0444	64.2	63.50	35.0	12.7
1.875	0476	67.3	66.68	35.0	12.7
2.000	0508	70.5	69.85	35.0	12.7
2.125	0539	76.9	76.20	43.0	14.3
2.250	0571	80.0	79.38	43.0	14.3
2.375	0603	83.2	82.55	43.0	14.3
2.500	0635	86.4	85.73	43.0	14.6
2.625	0666	89.6	85.73	43.0	15.9
2.750	0698	92.7	88.90	43.0	15.9

D1(inch)	Size Code	D3	D7	L1	L4
2.875	0730	95.9	85.25	43.0	15.9
3.000	0762	97.5	98.43	43.0	15.9
3.125	0793	100.7	101.60	43.0	19.8
3.250	0825	105.4	104.78	43.0	19.8
3.375	0857	108.6	107.95	43.0	19.8
3.500	0889	111.8	111.13	43.0	19.8
3.625	0920	115.0	114.30	43.0	19.8
3.750	0952	118.1	117.48	43.0	19.8
3.875	0984	121.3	120.65	43.0	19.8
4.000	1016	124.5	123.83	43.0	19.8
4.125	1047	127.7	130.18	43.0	19.8
4.250	1079	130.8	133.35	43.0	19.8
4.375	1111	134.0	136.53	43.0	19.8
4.500	1143	137.2	139.70	43.0	19.8
4.625	1175	149.9	142.88	51.0	19.8
4.750	1206	153.1	146.05	51.0	19.8
4.875	1238	156.2	149.23	51.0	19.8
5.000	1270	159.4	152.40	51.0	19.8

Remarks: imported seal, specially designed cartridge seal for plotting and customization subject to your sample and drawing.

ADD.: No. 5, Yunkai Road, Huangpu District, Guangzhou, China.

TEL.: +86-020-36158139, +86-020-36158280



Working Conditions

Mediums: Petroleum, chemical solvents, medium corrosion.
Temperature: -20°C to 200°C
Pressure: $\leq 1.7\text{MPa}$
Speed: $\leq 25\text{m/s}$

Materials

Stationary Ring: Ceramic/Sic/TC
Rotary Ring : Carbon/Sic/TC
Secondary Seal: PTFE
Spring and Metal Part: Stainless Steel

D1(mm)	Size Code	D3	D7	L1	L4
16	0160	26.0	27.0	23.0	12.0
18	0180	32.0	33.0	24.0	13.5
20	0200	34.0	35.0	24.0	13.5
22	0220	36.0	37.0	24.0	13.5
24	0240	38.0	39.0	26.7	13.3
25	0250	39.0	40.0	27.0	13.0
28	0280	42.0	43.0	30.0	12.5
30	0300	44.0	45.0	30.5	12.0
32	0320	46.0	48.0	30.5	12.0
33	0330	47.0	48.0	30.5	12.0
35	0350	49.0	50.0	30.5	12.0
38	0380	54.0	56.0	32.0	13.0
40	0400	56.0	58.0	32.0	13.0
43	0430	59.0	61.0	32.0	13.0
45	0450	61.0	63.0	32.0	13.0
48	0480	64.0	66.0	32.0	13.0
50	0500	66.0	70.0	34.0	13.5
53	0530	69.0	73.0	34.0	13.5
55	0550	71.0	75.0	34.0	13.5
58	0580	78.0	78.0	39.0	13.5
60	0600	80.0	80.0	39.0	13.5
63	0630	83.0	83.0	39.0	13.5
65	0650	85.0	85.0	39.0	13.5
68	0680	88.0	90.0	39.0	13.5
70	0700	90.0	92.0	45.5	14.5
75	0750	95.0	97.0	45.5	14.5
80	0800	104.0	105.0	45.0	15.0
85	0850	109.0	110.0	45.0	15.0
90	0900	114.0	115.0	50.0	15.0
95	0950	119.0	120.0	50.0	15.0
100	1000	124.0	125.0	50.0	15.0

主要技术参数

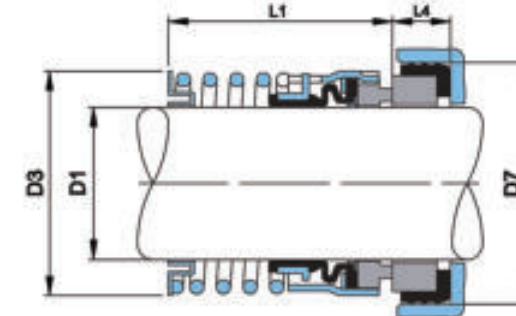
介质:石油制品、化工溶剂、中弱腐蚀酸类
温度: -20°C to 200°C
压力: $\leq 1.7\text{MPa}$
转速: $\leq 25\text{m/s}$

材料:

静环: Ceramic/Sic/TC
动环: Carbon/Sic/TC
辅助密封: PTFE
弹簧及金属件: 不锈钢



LP59U LP58U



主要技术参数

介质: 水, 油及一般弱腐蚀性化工介质
温度: -20°C to 120°C
压力: $\leq 1.4\text{MPa}$
转速: $\leq 15\text{m/s}$

材料:

静环: Ceramic/Sic/TC
动环: Carbon/Sic/TC
辅助密封: NBR/EPDM/Viton
弹簧及金属件: 不锈钢

Working Conditions

Mediums: Water, oil and weakly-corrosive mediums
Temperature: -20°C to 120°C
Pressure: $\leq 1.4\text{MPa}$
Speed: $\leq 15\text{m/s}$

Materials

Stationary Ring: Ceramic/Sic/TC
Rotary Ring : Carbon/Sic/TC
Secondary Seal: NBR/EPDM/Viton
Spring and Metal Part: Stainless Steel

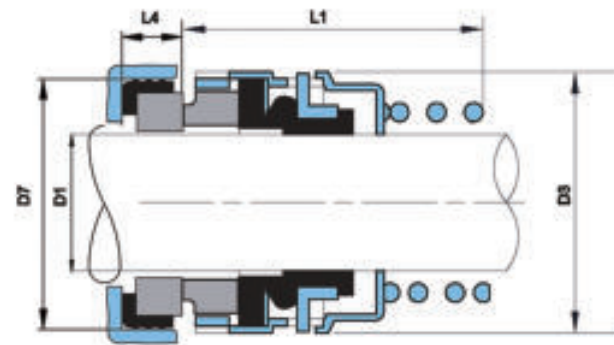


LP Type 1

D1(inch)	Size Code	D1(mm)	Size Code	D3	D7	L1	L4
0.500	0127	12	0120	23.80	25.40	30.16	7.93
		14	0140	27.76	31.75	33.32	10.30
0.625	0158	16	0160	27.76	31.75	33.32	10.30
0.750	0191	18	0180	30.94	34.93	33.32	10.30
		20	0200	34.11	38.10	34.93	10.30
0.875	0222	22	0220	34.11	38.10	34.93	10.30
		24	0240	38.10	41.28	39.67	11.10
1.000	0254	25	0250	38.10	41.28	39.67	11.10
1.125	0286	28	0280	41.28	44.44	41.28	11.10
		30	0300	46.02	47.63	41.28	11.10
1.250	0317	32	0320	46.02	47.63	41.28	11.10
		33	0330	48.68	50.80	42.85	11.10
1.375	0349	35	0350	48.68	50.80	42.85	11.10
1.500	0381	38	0380	51.85	53.98	42.85	11.10
1.625	0412	40	0400	58.10	60.38	50.80	12.70
		43	0430	61.27	63.50	50.80	12.70
1.750	0444	45	0450	61.27	63.50	50.80	12.70
1.875	0476	48	0480	64.44	66.68	53.98	12.70
2.000	0508	50	0500	67.21	69.85	53.98	12.70
2.125	0539	53	0530	72.02	76.20	60.33	14.28
2.250	0571	55	0550	75.30	79.38	60.33	14.28
2.375	0603	60	0600	78.30	82.55	63.50	14.28
2.500	0635	63	0630	81.54	85.73	63.50	14.28
2.625	0666	65	0650	86.22	85.73	69.85	15.90
2.750	0698	70	0700	89.40	88.90	73.03	15.90
2.875	0730	73	0730	92.57	95.25	73.03	15.90
3.000	0762	75	0750	95.75	98.43	73.03	15.90

Remarks: imported seal, specially designed cartridge seal for plotting and customization subject to your sample and drawing.
ADD.: No. 5, Yunkai Road, Huangpu District, Guangzhou, China.
TEL.: +86-020-36158139, +86-020-36158280

D1(inch)	Size Code	D1(mm)	Size Code	D3	D7	L1	L4
0.500	0127	12	0120	25.00	27.79	44.00	8.74
		14	0140	29.00	30.95	44.00	10.32
0.625	0158	16	0160	29.00	30.95	44.00	10.32
0.750	0191	18	0180	32.00	34.15	44.00	10.32
		20	0200	33.00	35.70	44.00	10.32
0.875	0222	22	0220	35.00	37.30	44.00	10.32
		24	0240	38.00	40.50	44.00	10.32
1.000	0254	25	0250	38.00	40.50	44.00	10.32
1.125	0286	28	0280	46.00	47.63	60.00	11.99
		30	0300	49.00	50.80	60.00	11.99
1.250	0317	32	0320	49.00	50.80	60.00	11.99
		33	0330	52.00	53.98	60.00	11.99
1.375	0349	35	0350	52.00	53.98	60.00	11.99
1.500	0381	38	0380	56.00	57.15	60.00	11.99
1.625	0412	40	0400	59.00	60.35	60.00	11.99
		43	0430	62.00	63.50	71.00	11.99
1.750	0444	45	0450	62.00	63.50	71.00	11.99
1.875	0476	48	0480	65.00	66.70	71.00	11.99
2.000	0508	50	0500	68.00	69.85	71.00	13.50
2.125	0539	53	0530	71.00	73.05	71.00	13.50
2.250	0571	55	0550	75.00	76.20	71.00	13.50
2.375	0603	60	0600	78.00	79.40	71.00	13.50
2.500	0635	63	0630	81.00	82.55	71.00	13.50
2.625	0666	65	0650	86.00	92.10	71.00	15.90
2.750	0698	70	0700	89.00	95.25	70.00	15.90
2.875	0730	73	0730	92.00	98.45	73.00	15.90
3.000	0762	75	0750	95.00	101.65	73.00	15.90



Working Conditions

Mediums: Water, oil and weakly-corrosive mediums
Temperature: -20℃ to 120℃
Pressure: ≤1.4MPa
Speed: ≤15m/s

Materials

Stationary Ring: Ceramic/Sic/TC
Rotary Ring : Carbon/Sic/TC
Secondary Seal: NBR/EPDM/Viton
Spring and Metal Part: Stainless Steel



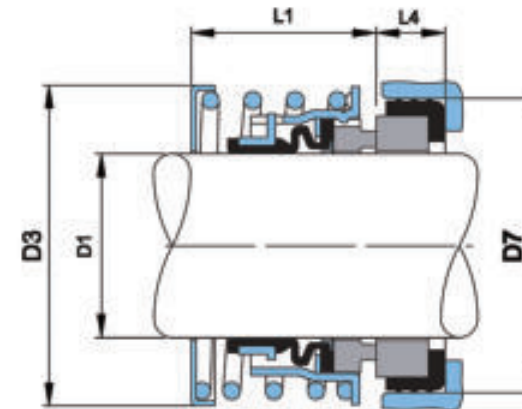
LP Type 1A

主要技术参数

介质: 水, 油及一般弱腐蚀性化工介质
温度: -20℃ to 120℃
压力: ≤1.4MPa
转速: ≤15m/s

材料:

静环: Ceramic/Sic/TC
动环: Carbon/Sic/TC
辅助密封: NBR/EPDM/Viton
弹簧及金属件: 不锈钢



Working Conditions

Mediums: Water, oil and weakly-corrosive mediums
Temperature: -20℃ to 120℃
Pressure: ≤1.4MPa
Speed: ≤15m/s

Materials

Stationary Ring: Ceramic/Sic/TC
Rotary Ring : Carbon/Sic/TC
Secondary Seal: NBR/EPDM/Viton
Spring and Metal Part: Stainless Steel



LP T2

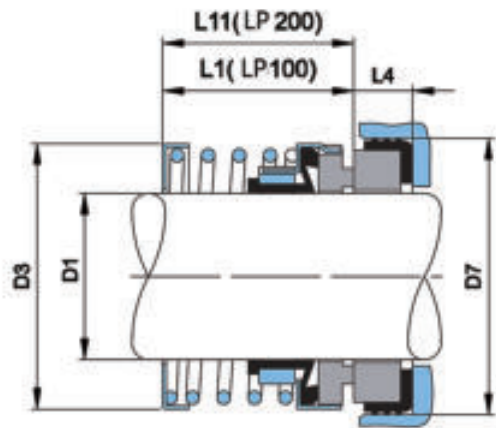
D1(inch)	Size Code	D1(mm)	Size Code	D3	D7	L1	L4
0.500	0127	12	0120	30.14	25.40	20.64	7.93
		14	0140	33.32	31.75	22.23	10.30
0.625	0158	16	0160	33.32	31.75	22.23	10.30
0.750	0191	18	0180	36.50	34.93	22.23	10.30
		20	0200	39.67	38.10	23.80	10.30
0.875	0222	22	0220	39.67	38.10	23.80	10.30
		24	0240	45.50	41.28	25.40	11.10
1.000	0254	25	0250	45.50	41.28	25.40	11.10
1.125	0286	28	0280	48.50	44.44	26.97	11.10
		30	0300	52.37	47.63	26.97	11.10
1.250	0317	32	0320	52.37	47.63	26.97	11.10
		33	0330	56.00	50.80	28.58	11.10
1.375	0349	35	0350	56.00	50.80	28.58	11.10
1.500	0381	38	0380	59.20	53.98	28.58	11.10
1.625	0412	40	0400	67.00	60.33	34.93	12.70
		43	0430	69.85	63.50	34.93	12.70
1.750	0444	45	0450	69.85	63.50	34.93	12.70
1.875	0476	48	0480	73.03	66.68	38.10	12.70
2.000	0508	50	0500	76.20	69.85	38.10	12.70
2.125	0539	53	0530	82.55	76.20	42.85	14.28
2.250	0571	55	0550	85.73	79.38	42.85	14.28
2.375	0603	60	0600	88.90	82.55	46.02	14.28
2.500	0635	63	0630	92.08	85.73	46.02	14.28
2.625	0666	65	0650	98.43	85.73	49.20	15.90
2.750	0698	70	0700	101.60	88.90	49.20	15.90
2.875	0730	73	0730	104.78	95.25	52.37	15.90
3.000	0762	75	0750	107.95	98.43	52.37	15.90

Remarks: imported seal, specially designed cartridge seal for plotting and customization subject to your sample and drawing.

ADD.: No. 5, Yunkai Road, Huangpu District, Guangzhou, China.

TEL.: +86-020-36158139, +86-020-36158280

D1(mm)	Size Code	D3	D7	L4	L1	L11
10	0100	22.95	24.60	8.74	43.65	25.40
12	0120	23.90	27.79	8.74	43.65	25.40
13	0130	23.90	27.79	8.74	43.65	25.40
14	0140	26.70	30.95	10.32	43.65	25.40
15	0150	26.70	30.95	10.32	43.65	25.40
16	0160	26.70	30.95	10.32	43.65	25.40
18	0180	31.10	34.15	10.32	43.65	25.40
19	0190	31.10	34.15	10.32	43.65	25.40
20	0200	33.40	35.70	10.32	43.65	25.40
22	0220	33.40	37.30	10.32	43.65	25.40
24	0240	39.20	40.50	10.32	43.65	25.40
25	0250	39.20	40.50	10.32	43.65	25.40
28	0280	46.30	47.63	11.99	60.33	33.34
30	0300	49.40	50.80	11.99	60.33	33.34
32	0320	49.40	50.80	11.99	60.33	33.34
33	0330	52.60	53.98	11.99	60.33	33.34
34	0340	52.60	53.98	11.99	60.33	33.34
35	0350	52.60	53.98	11.99	60.33	33.34
38	0381	55.80	57.15	11.99	60.33	33.34
40	0400	62.20	60.35	11.99	60.33	33.34
42	0420	66.00	63.50	11.99	70.64	40.48
43	0430	66.00	63.50	11.99	70.64	40.48
44	0440	66.00	63.50	11.99	70.64	40.48
45	0450	66.00	63.50	11.99	70.64	40.48
48	0480	66.60	66.70	11.99	70.64	40.48
50	0500	71.85	69.85	11.99	70.64	40.48
53	0530	73.30	73.05	13.50	71.00	41.00
55	0550	78.40	76.20	13.50	71.00	41.00
58	0580	82.00	79.40	13.50	71.00	41.00
60	0600	82.00	79.40	13.50	71.00	41.00
63	0630	84.90	82.55	13.50	71.00	41.00
65	0650	88.40	92.10	15.90	70.00	49.00
70	0700	92.60	95.25	15.90	70.00	49.00
73	0730	94.85	98.45	15.90	73.00	49.00
75	0750	101.90	101.65	15.90	73.00	49.00



Working Conditions

Mediums: Water, oil and weakly-corrosive mediums
Temperature: -20°C to 120°C
Pressure: $\leq 1.0\text{MPa}$
Speed: $\leq 15\text{m/s}$

Materials

Stationary Ring: Ceramic/Sic/TC
Rotary Ring: Carbon/Sic/TC
Secondary Seal: NBR/EPDM/Viton
Spring and Metal Part: Stainless Steel

D1(inch)	Size Code	D3	D7	L4	L1	L11
0.375	0095	22.95	24.60	8.74	43.65	25.40
0.500	0127	23.90	27.79	8.74	43.65	25.40
0.625	0158	26.70	30.95	10.32	43.65	25.40
0.750	0191	31.10	34.15	10.32	43.65	25.40
0.875	0222	33.40	37.30	10.32	43.65	25.40
1.000	0254	43.20	40.50	10.32	43.65	25.40
1.125	0286	46.30	47.63	11.99	60.33	33.34
1.250	0317	49.40	50.80	11.99	60.33	33.34
1.375	0349	52.60	53.98	11.99	60.33	33.34
1.500	0381	55.80	57.15	11.99	60.33	33.34
1.625	0412	62.20	60.35	11.99	60.33	33.34
1.750	0444	66.00	63.50	11.99	70.64	40.48
1.875	0476	66.60	66.70	11.99	70.64	40.48
2.000	0508	73.00	69.85	11.99	70.64	40.48
2.125	0539	73.30	73.05	13.50	71.00	41.00
2.250	0571	78.40	76.20	13.50	71.00	41.00
2.375	0603	82.00	79.40	13.50	71.00	41.00
2.500	0635	84.90	82.55	13.50	71.00	41.00
2.625	0666	88.40	92.10	15.90	70.00	49.00
2.750	0698	92.60	95.25	15.90	70.00	49.00
2.875	0730	94.85	98.45	15.90	73.00	49.00
3.000	0762	101.90	101.65	15.90	73.00	49.00

主要技术参数

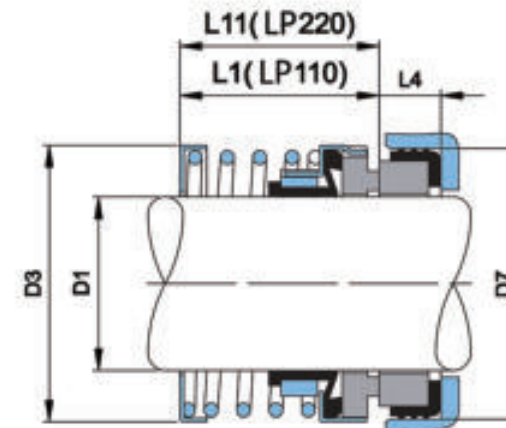
介质: 水, 油及一般弱腐蚀性化工介质
温度: -20°C to 120°C
压力: $\leq 1.0\text{MPa}$
转速: $\leq 15\text{m/s}$

材料:

静环: Ceramic/Sic/TC
动环: Carbon/Sic/TC
辅助密封: NBR/EPDM/Viton
弹簧及金属件: 不锈钢



LP100 LP200



主要技术参数

介质: 水, 油及一般弱腐蚀性化工介质
温度: -20°C to 120°C
压力: $\leq 1.0\text{MPa}$
转速: $\leq 15\text{m/s}$

材料:

静环: Ceramic/Sic/TC
动环: Carbon/Sic/TC
辅助密封: NBR/EPDM/Viton
弹簧及金属件: 不锈钢

Working Conditions

Mediums: Water, oil and weakly-corrosive mediums
Temperature: -20°C to 120°C
Pressure: $\leq 1.0\text{MPa}$
Speed: $\leq 15\text{m/s}$

Materials

Stationary Ring: Ceramic/Sic/TC
Rotary Ring: Carbon/Sic/TC
Secondary Seal: NBR/EPDM/Viton
Spring and Metal Part: Stainless Steel



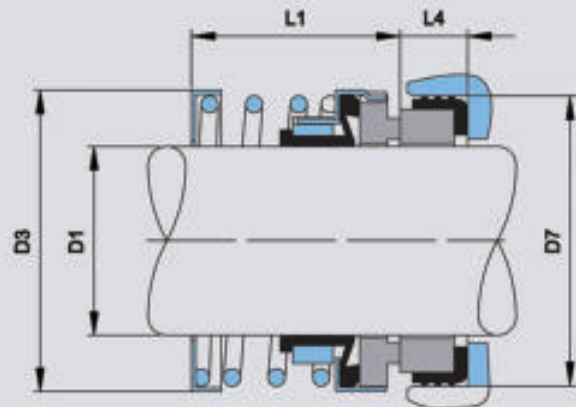
LP110 LP220

D1(inch)	Size Code	D3	D7	L4	L1	L11
0.500'	0127	23.90	25.40	7.93	20.62	31.75
0.625'	0158	26.70	31.75	10.28	22.22	34.93
0.750'	0191	31.10	34.93	10.28	22.22	34.93
0.875'	0222	33.40	38.10	10.28	23.80	36.50
1.000'	0254	43.20	41.28	11.10	25.40	41.28
1.125'	0286	46.30	44.44	11.10	26.97	42.85
1.250'	0317	49.40	47.63	11.10	26.97	42.85
1.375'	0349	52.60	50.80	11.10	28.58	42.85
1.500'	0381	55.80	53.98	11.10	28.58	42.85
1.625'	0412	62.20	60.33	12.70	34.93	50.80
1.750'	0444	66.00	63.50	12.70	34.93	50.80
1.875'	0476	66.60	66.68	12.70	38.10	53.98
2.000'	0508	73.00	69.85	12.70	38.10	53.98
2.125'	0539	73.30	76.20	14.28	42.88	60.32
2.250'	0571	78.40	79.38	14.28	42.88	60.32
2.375'	0603	82.00	82.55	14.28	46.02	63.50
2.500'	0635	84.90	85.73	14.28	46.02	63.50
2.625'	0666	88.40	85.73	15.90	49.20	69.85
2.750'	0698	92.60	88.90	15.90	49.20	69.85
2.875'	0730	94.85	95.25	15.90	52.37	73.03
3.000'	0762	101.90	98.43	15.90	52.37	73.03

Remarks: imported seal, specially designed cartridge seal for plotting and customization subject to your sample and drawing.

ADD.: No. 5, Yunkai Road, Huangpu District, Guangzhou, China.

TEL.: +86-020-36158139, +86-020-36158280



Working Conditions

Mediums: Water, oil and weakly-corrosive mediums
Temperature: -20°C to 120°C
Pressure: $\leq 1.0\text{MPa}$
Speed: $\leq 15\text{m/s}$

Materials

Stationary Ring: Ceramic/Sic/TC
Rotary Ring : Carbon/Sic/TC
Secondary Seal: NBR/EPDM/Viton
Spring and Metal Part: Stainless Steel

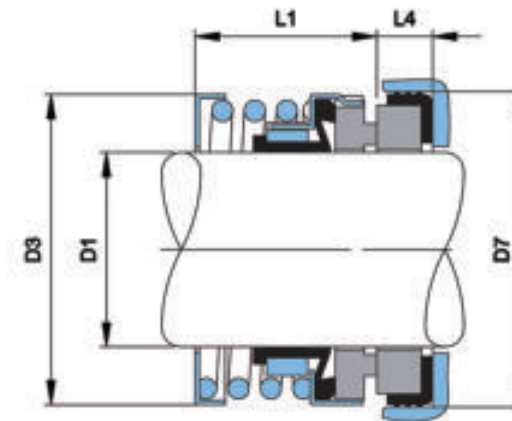
[illegible]

LP 24

● 主要技术参数

介质: 水、油及一般弱腐蚀性化工介质
温度: -20°C to 120°C
压力: $\leq 1.0\text{MPa}$
转速: $\leq 15\text{m/s}$

材料:
静环: Ceramic/Sic/TC
动环: Carbon/Sic/TC
辅助密封: NBR/EPDM/Viton
弹簧及金属件: 不锈钢



Working Conditions

Mediums: Water, oil and weakly-corrosive mediums
Temperature: -20°C to 120°C
Pressure: $\leq 1.0\text{MPa}$
Speed: $\leq 15\text{m/s}$

Materials

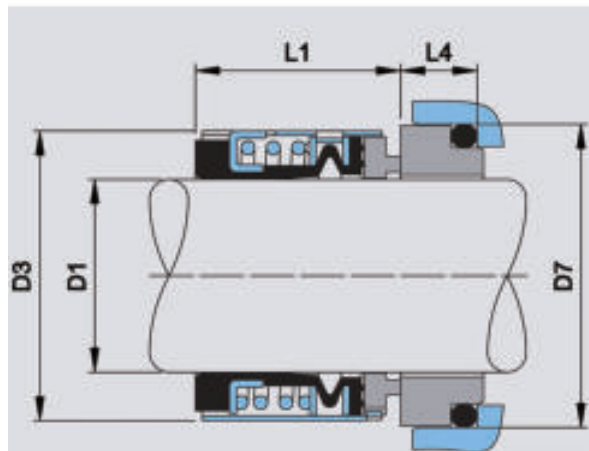
Stationary Ring: Ceramic/Sic/TC
Rotary Ring : Carbon/Sic/TC
Secondary Seal: NBR/EPDM/Viton
Spring and Metal Part: Stainless Steel



LP 560A Metric
LP 560B Inch

D1(mm)	Size Code	D3	D7	L1	L4
8	0008	18.2	21.0	11.2	7.0
9	0009	18.2	24.0	16.2	7.0
10	0100	20.6	24.0	16.2	7.0
11	0110	20.6	24.0	16.2	7.0
12	0120	21.8	26.0	17.2	7.0
13	0130	21.8	26.0	17.2	7.0
14	0140	26.4	28.0	18.2	7.0
15	0150	26.4	28.0	18.2	7.0
16	0160	26.4	32.0	19.2	8.0
17	0170	29.5	32.0	19.2	8.0
18	0180	29.5	35.0	19.2	8.0
19	0190	29.5	35.0	19.2	8.0
20	0200	31.6	38.0	20.2	8.0
22	0220	33.6	40.0	20.2	8.0
25	0250	39.6	44.0	20.2	9.0
28	0280	45.0	46.0	21.2	9.0
30	0300	46.6	50.0	22.2	9.0
32	0320	46.6	54.0	24.2	9.0
35	0350	50.8	58.0	26.2	10.0
38	0380	54.3	60.0	27.2	10.0
40	0400	57.3	64.0	28.2	10.0
45	0450	61.3	66.0	30.2	10.0
50	0500	67.8	72.0	32.2	10.0

[illegible]



Working Conditions

Mediums: Water, oil and weakly-corrosive mediums
Temperature: -20°C to 120°C
Pressure: $\leq 2.5\text{MPa}$
Speed: $\leq 15\text{m/s}$

Materials

Stationary Ring: Ceramic/Sic/TC
Rotary Ring : Carbon/Sic/TC
Secondary Seal: NBR/EPDM/Viton
Spring and Metal Part: Stainless Steel

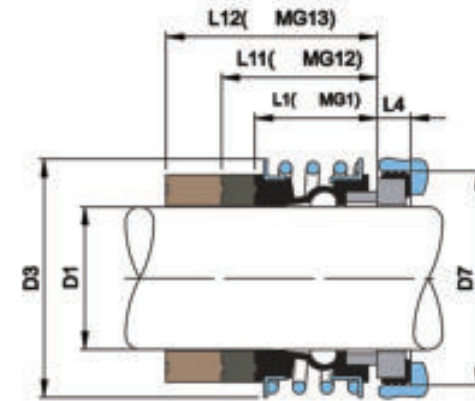
D1(mm)	Size Code	D3	D7	L1	L4
14	0140	24.0	25.0	23.0	12.0
16	0160	26.0	27.0	23.0	12.0
18	0180	32.0	33.0	24.0	13.5
20	0200	34.0	35.0	24.0	13.5
22	0220	36.0	37.0	24.0	13.5
24	0240	38.0	39.0	26.7	13.3
25	0250	39.0	40.0	27.0	13.0
28	0280	42.0	43.0	30.0	12.5
30	0300	44.0	45.0	30.5	12.0
32	0320	46.0	48.0	30.5	12.0
33	0330	47.0	48.0	30.5	12.0
35	0350	49.0	50.0	30.5	12.0
38	0380	54.0	56.0	32.0	13.0
40	0400	56.0	58.0	32.0	13.0
43	0430	59.0	61.0	32.0	13.0
45	0450	61.0	63.0	32.0	13.0
48	0480	64.0	66.0	32.0	13.0
50	0500	66.0	70.0	34.0	13.5
53	0530	69.0	73.0	34.0	13.5
55	0550	71.0	75.0	34.0	13.5
58	0580	78.0	78.0	39.0	13.5
60	0600	80.0	80.0	39.0	13.5
63	0630	83.0	83.0	39.0	13.5
65	0650	85.0	85.0	39.0	13.5
68	0680	88.0	90.0	39.0	13.5
70	0700	89.0	92.0	45.5	14.5
75	0750	96.0	97.0	45.5	14.5
80	0800	104.0	105.0	45.0	15.0
85	0850	108.0	110.0	45.0	15.0
90	0900	114.0	115.0	50.0	15.0
95	0950	118.0	120.0	50.0	15.0
100	1000	124.0	125.0	50.0	15.0

主要技术参数

介质: 水, 油及一般弱腐蚀性化工介质
温度: -20°C to 120°C
压力: $\leq 2.5\text{MPa}$
转速: $\leq 15\text{m/s}$

材料:

静环: Ceramic/Sic/TC
动环: Carbon/Sic/TC
辅助密封: NBR/EPDM/Viton
弹簧及金属件: 不锈钢



主要技术参数

介质: 水, 油及一般弱腐蚀性化工介质
温度: -20°C to 120°C
压力: $\leq 1.2\text{MPa}$
转速: $\leq 12\text{m/s}$

材料:

静环: Ceramic/Sic/TC
动环: Carbon/Sic/TC
辅助密封: NBR/EPDM/Viton
弹簧及金属件: 不锈钢

Working Conditions

Mediums: Water, oil and weakly-corrosive mediums
Temperature: -20°C to 120°C
Pressure: $\leq 1.2\text{MPa}$
Speed: $\leq 12\text{m/s}$

Materials

Stationary Ring: Ceramic/Sic/TC
Rotary Ring : Carbon/Sic/TC
Secondary Seal: NBR/EPDM/Viton
Spring and Metal Part: Stainless Steel



LP MG1&MG12&MG13

D1(mm)	Size Code	D3	D7	L4	L1	L11	L12
10	0100	22.50	21.00	6.60	14.50	25.90	33.40
12	0120	25.00	23.00	6.60	15.00	25.90	33.40
14	0140	28.50	25.00	6.60	17.00	28.40	33.40
15	0150	28.50	27.00	6.60	17.00	28.40	33.40
16	0160	28.50	27.00	6.60	17.00	28.40	33.40
18	0180	32.00	33.00	7.50	19.50	30.00	37.50
20	0200	37.00	35.00	7.50	21.50	30.00	37.50
22	0220	37.00	37.00	7.50	21.50	30.00	37.50
24	0240	42.50	39.00	7.50	22.50	32.50	42.50
25	0250	42.50	40.00	7.50	23.00	32.50	42.50
28	0280	49.00	43.00	7.50	26.50	35.00	42.50
30	0300	49.00	45.00	7.50	26.50	35.00	42.50
32	0320	53.50	48.00	7.50	27.50	35.00	47.50
33	0330	53.50	48.00	7.50	27.50	35.00	47.50
35	0350	57.00	50.00	7.50	28.50	35.00	47.50
38	0380	59.00	56.00	9.00	30.00	36.00	46.00
40	0400	62.00	58.00	9.00	30.00	36.00	46.00
43	0430	65.50	61.00	9.00	30.00	36.00	51.00
45	0450	68.00	63.00	9.00	30.00	36.00	51.00
48	0480	70.50	66.00	9.00	30.50	36.00	51.00
50	0500	74.00	70.00	9.50	30.50	38.00	50.50
53	0530	78.50	73.00	11.00	33.00	36.50	59.00
55	0550	81.00	75.00	11.00	35.00	36.50	59.00
58	0580	85.50	78.00	11.00	37.00	41.50	59.00
60	0600	88.80	80.00	11.00	38.00	41.50	59.00
65	0650	93.50	85.00	11.00	40.00	41.50	69.00
68	0680	96.50	90.00	11.30	40.00	41.20	68.70
70	0700	99.50	92.00	11.30	40.00	48.70	68.70
75	0750	107.00	97.00	11.30	40.00	48.00	68.70
80	0800	112.00	105.00	12.00	40.00	48.00	78.00
85	0850	120.00	110.00	14.00	41.00	46.00	76.00
90	0900	127.00	115.00	14.00	45.00	51.00	76.00
95	0950	132.00	120.00	14.00	46.00	51.00	76.00
100	1000	137.00	125.00	14.00	47.00	51.00	76.00

Remarks: imported seal, specially designed cartridge seal for plotting and customization subject to your sample and drawing.

ADD.: No. 5, Yunkai Road, Huangpu District, Guangzhou, China.

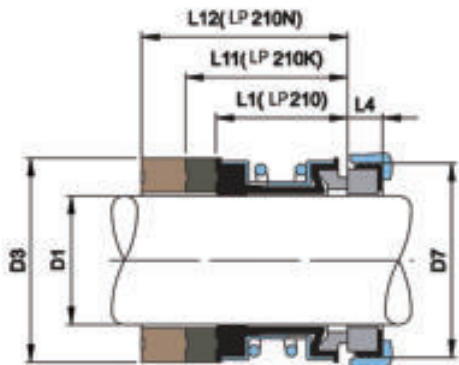
TEL.: +86-020-36158139, +86-020-36158280



LP 502

D1(mm)	Size Code	D3	D7	L4	L1	L11	L12
10	0100	20.0	21.0	5.0	15.0	27.5	35.0
12	0120	22.0	23.0	6.0	15.0	26.5	34.0
14	0140	24.0	25.0	6.0	15.0	29.0	34.0
15	0150	25.0	26.0	6.0	15.0	29.0	34.0
16	0160	26.0	27.0	6.0	15.0	29.0	34.0
18	0180	32.0	33.0	6.0	20.0	31.5	39.0
20	0200	34.0	35.0	6.0	20.0	31.5	39.0
22	0220	36.0	37.0	6.0	20.0	31.5	39.0
24	0240	38.0	39.0	6.0	20.0	34.0	44.0
25	0250	39.0	40.0	6.0	20.0	34.0	44.0
28	0280	42.0	43.0	6.0	26.0	36.5	44.0
30	0300	44.0	45.0	7.0	26.0	35.5	43.0
32	0320	46.0	48.0	7.0	26.0	35.5	48.0
33	0330	47.0	48.0	7.0	26.0	35.5	48.0
35	0350	49.0	50.0	8.0	26.0	34.5	47.0
38	0380	54.0	56.0	8.0	30.0	37.0	47.0
40	0400	56.0	58.0	8.0	30.0	37.0	47.0
43	0430	59.0	61.0	8.0	30.0	37.0	52.0
45	0450	61.0	63.0	8.0	30.0	37.0	52.0
48	0480	64.0	66.0	10.0	30.0	35.0	50.0
50	0500	66.0	70.0	10.0	30.0	37.5	50.0
53	0530	69.0	73.0	10.0	30.0	37.5	60.0
55	0550	71.0	75.0	10.0	30.0	37.5	60.0
58	0580	78.0	78.0	10.0	33.0	42.5	60.0
60	0600	80.0	80.0	12.0	33.0	40.5	58.0
63	0630	83.0	83.0	12.0	33.0	40.5	58.0
65	0650	85.0	85.0	12.0	33.0	40.5	68.0
68	0680	88.0	90.0	12.0	33.0	40.5	68.0
70	0700	90.0	92.0	12.0	33.0	48.0	68.0
75	0750	99.0	97.0	12.0	40.0	48.0	68.0
80	0800	104.0	105.0	12.5	40.0	47.5	77.5
85	0850	109.0	110.0	12.5	40.0	47.5	77.5
90	0900	114.0	115.0	12.5	40.0	52.5	77.5
95	0950	119.0	120.0	12.5	40.0	52.5	77.5
100	1000	124.0	125.0	12.5	40.0	52.5	77.5

49



主要技术参数

介质: 水, 油及一般弱腐蚀性化工介质
温度: -20℃ to 120℃
压力: ≤1.2MPa
转速: ≤12m/s

材料:
静环: Ceramic/Sic/TC
动环: Carbon/Sic/TC
辅助密封: NBR/EPDM/Viton
弹簧及金属件: 不锈钢

Working Conditions

Mediums: Water, oil and weakly-corrosive mediums
Temperature: -20℃ to 120℃
Pressure: ≤1.2MPa
Speed: ≤12m/s

Materials

Stationary Ring: Ceramic/Sic/TC
Rotary Ring : Carbon/Sic/TC
Secondary Seal: NBR/EPDM/Viton
Spring and Metal Part: Stainless Steel



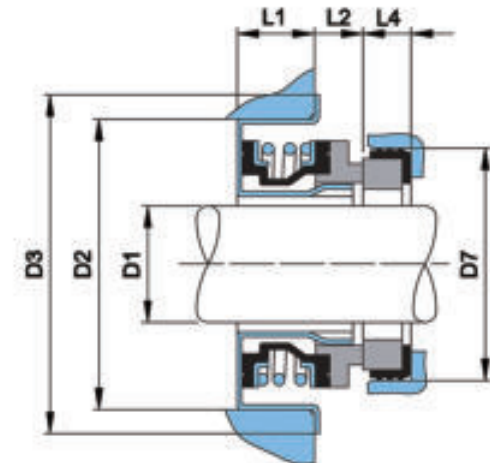
LP 210

主要技术参数

介质: 水, 油及一般弱腐蚀性化工介质
温度: -20℃ to 100℃
压力: ≤0.3MPa
转速: ≤10m/s

材料:

静环: Carbon/Sic
动环: Ceramic/Sic
辅助密封: NBR/EPDM/Viton
弹簧及金属件: 不锈钢



Working Conditions

Mediums: Water, oil and weakly-corrosive mediums
Temperature: -20℃ to 100℃
Pressure: ≤0.3MPa
Speed: ≤10m/s

Materials

Stationary Ring: Carbon/Sic
Rotary Ring : Ceramic/Sic
Secondary Seal: NBR/EPDM/Viton
Spring and Metal Part: Stainless Steel



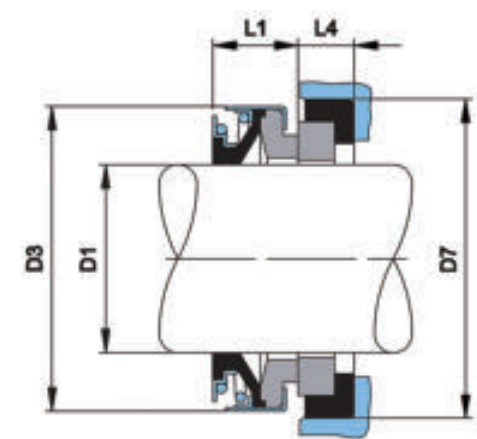
LP F

Model	Shaft	D2	D3	D7	L1	L2	L4
10	10	24.0	29.0	23.0	7.0	6.0	4.0
12S	12	28.6	32.0	25.0	8.0	5.2	5.0
12M	12	30.0	35.0	24.0	8.0	5.0	5.0
12L	12	33.4	38.0	25.0	6.7	6.3	5.0
16	16	36.5	41.5	31.0	8.0	6.8	5.0
16L	16	38.1	43.5	31.0	8.0	6.8	5.0
16LD	16	38.1	43.5	31.0	8.0	6.8	5.0
20S	20	38.0	43.8	35.0	9.5	6.0	5.0
20	20	40.0	43.8	35.0	9.5	6.0	5.0
25S	25	46.0	51.0	44.0	10.0	8.0	7.0
25M	25	47.0	51.0	44.0	12.0	6.0	7.0
25L	25	52.0	57.0	48.0	12.0	6.0	7.0
30	30	52.0	57.0	48.0	11.0	8.0	8.0
1/2"	12.7	30.0	35.0	25.4	8.0	5.0	6.2
5/8"	25.9	36.5	41.5	31.8	8.0	6.7	10.3
3/4"	19.1	40.0	43.8	34.9	9.5	6.0	10.3
1"	25.4	47.0	51.0	41.3	12.0	5.9	11.1

50

D1(mm)	Size Code	D3	D7	L1	L4
6	0060	18.0	22.0	11.0	4.0
8	0080	18.0	22.0	11.0	4.0
8	0080L	24.0	26.0	11.0	8.0
10	0100	24.0	26.0	13.0	8.0
11	0110	24.0	26.0	13.0	8.0
12	0120	24.0	26.0	13.0	8.0
13	0130	24.0	26.0	13.0	5.5
14P	0140P	27.5	28.5	13.0	8.0
14	0140	32.0	29.5	13.5	8.0
15P	0150P	27.5	30.0	13.0	8.0
15	0150	32.0	29.5	13.5	8.0
16P	0160P	27.5	30.0	13.0	8.0
16	0160	32.0	29.5	13.5	8.0
16L	0160L	39.0	42.0	13.0	8.0
17	0170	39.0	42.0	13.0	8.0
18	0180	39.0	42.0	13.0	8.0
19	0190	39.0	42.0	13.0	8.0
20P	0200P	35.0	38.0	13.0	8.0
20	0200	39.0	42.0	13.0	8.0
20L	0200L	42.0	45.0	13.0	10.0

D1(mm)	Size Code	D3	D7	L1	L4
22P	0220P	39.0	42.0	13.0	8.0
22	0220	42.0	45.0	13.0	10.0
23	0230	47.0	50.0	13.5	10.0
24	0240	47.0	50.0	13.5	10.0
25	0250	47.0	50.0	13.5	10.0
25P	0250P	42.0	45.0	13.0	10.0
26	0260	47.0	50.0	13.5	10.0
27	0270	47.0	50.0	13.5	10.0
28	0280	54.0	57.0	15.0	10.0
30	0300	54.0	57.0	15.0	10.0
32	0320	54.0	57.0	15.0	10.0
35	0350	60.0	63.0	16.0	10.0
38	0380	65.0	68.0	18.0	12.0
40	0400	65.0	68.0	18.0	12.0
45	0450	70.0	73.0	20.0	12.0
50	0500	85.0	88.0	23.0	15.0
55	0550	85.0	88.0	23.0	15.0
60	0600	105.0	110.0	30.0	15.0
65	0650	105.0	110.0	30.0	15.0
70	0700	105.0	110.0	32.0	15.0

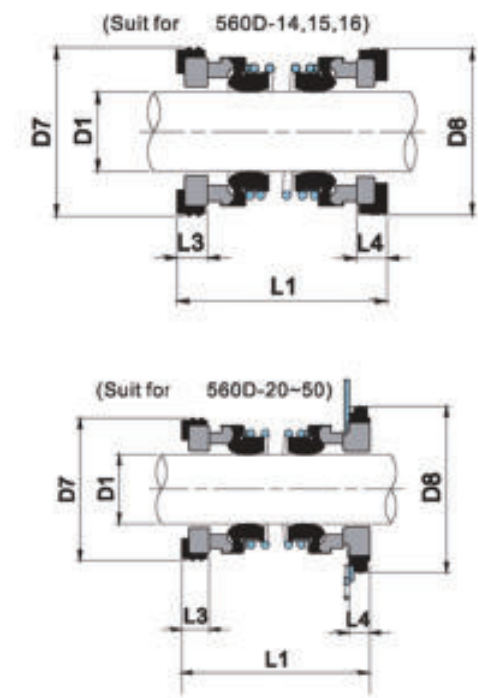


Working Conditions
Pumps: Water pumps and household pumps
Temperature: -20℃ to 100℃
Pressure: ≤0.5MPa
Speed: ≤10m/s

Materials
Stationary Ring: Ceramic/Sic/TC
Rotary Ring : Carbon/Sic/TC
Secondary Seal: NBR/EPDM/Viton
Spring and Metal Part: Stainless Steel



LP 301



Working Conditions
Mediums: Submersible pumps, sewage pumps, applied to the muddy water, sewage water or weakly-corrosive fluids with solid grains.
Temperature: -20℃ to 100℃
Pressure: ≤0.5MPa
Speed: ≤8m/s

Materials
Stationary Ring: Ceramic/Sic/TC
Rotary Ring : Carbon/Sic/TC
Secondary Seal: NBR/EPDM/Viton
Spring and Metal Part: Stainless Steel



主要技术参数
介质:各种潜水泵、污水泵、泥水、污水或含固体颗粒等一般弱腐蚀性介质
温度:-20℃ to 100℃
压力:≤0.5MPa
转速:≤8m/s

材料:
静环: Ceramic/Sic/TC
动环: Carbon/Sic/TC
辅助密封: NBR/EPDM/Viton
弹簧及金属件: 不锈钢

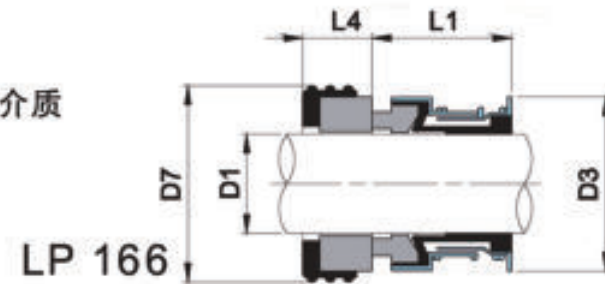


LP 560D

D1(mm)	Size Code	D7	D8	L1	L3	L4
14	0140	30	30	37	5	5
15	0150	30	30	37	5	5
16	0160	30	30	37	5	5
20	0200	38	38/44	50	8/7	7
25	0250	44	44/50	51	8.5	7
30	0300	44/50	57	59	8.3	9
35	0350	54	57	61	9.5	8.5
40	0400	64	70	65	9	10
45	0450	66	70	65	9	10
50	0500	72	80	69	9	10

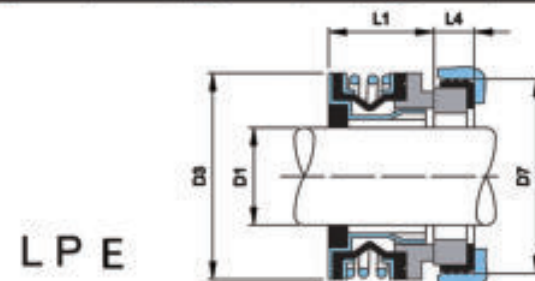
主要技术参数

介质: 水, 油及一般弱腐蚀性化工介质
温度: -20℃ to 100℃
压力: ≤0.5MPa
转速: ≤10m/s



D1(Inch)	Size Code	D3	D7	L1	L4
0.500	0127	23.3	25.4	16.86	6.35
0.500A	0127A	23.3	25.4	16.86	7.93
0.625	0158	30.1	31.75	18.44	10.31
0.750	0191	33	34.93	18.44	10.31
0.875	0222	36.3	38.1	20.82	10.31
1.000	0254	39.42	41.28	20.82	11.1

材料:
静环: Ceramic/Sic/TC
动环: Carbon/Sic/TC
辅助密封: NBR/EPDM/Viton
弹簧及金属件: 不锈钢



D1(Inch)	Size Code	D3	D7	L1	L4
0.375	0095	23.8	22.23	16.08	6.35
0.375A	0095A	26.97	25.4	16.86	7.93
0.500	0127	26.97	25.4	16.86	6.35
0.500A	0127A	26.97	25.4	16.86	7.93
0.625	0158	30.94	31.75	18.44	10.31
0.750	0191	34.11	34.93	18.44	10.31
0.875	0222	42.85	41.28	20.82	11.1
1.000	0254	42.85	41.28	20.82	11.1

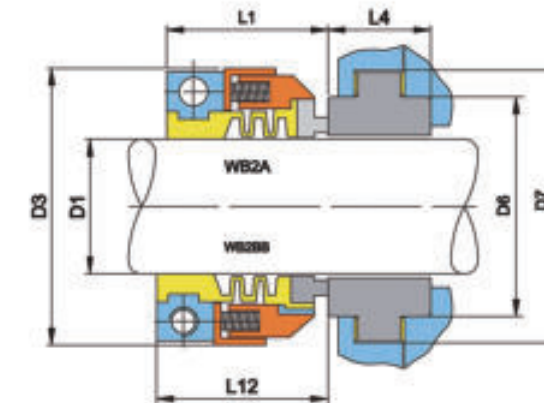
Working Conditions

Mediums: Water, oil and weakly-corrosive mediums
Temperature: -20℃ to 100℃
Pressure: ≤0.5MPa
Speed: ≤10m/s

Materials
Stationary Ring: Ceramic/Sic/TC
Rotary Ring : Carbon/Sic/TC
Secondary Seal: NBR/EPDM/Viton
Spring and Metal Part: Stainless Steel



LP166 LPE



主要技术参数

介质: 各种浓度的硫酸、盐酸、磷酸、醋酸、稀硝酸等强腐蚀性化工介质
温度: -20℃ to 120℃
压力: ≤0.5MPa
转速: ≤10m/s

材料:
静环: Ceramic/Sic/Ssic
动环: Teflon/Sic/Ssic
辅助密封: Teflon
弹簧及金属件: 不锈钢

Working Conditions

Mediums: Sulfuric acid, hydrochloric acid, phosphoric acid, acetic acid, and nitric acid with various degrees .etc.
Temperature: -20℃ to 120℃
Pressure: ≤0.5MPa
Speed: ≤10m/s

Materials
Stationary Ring: Ceramic/Sic/Ssic
Rotary Ring : Teflon/Sic/Ssic
Secondary Seal: Teflon
Spring and Metal Part: Stainless Steel



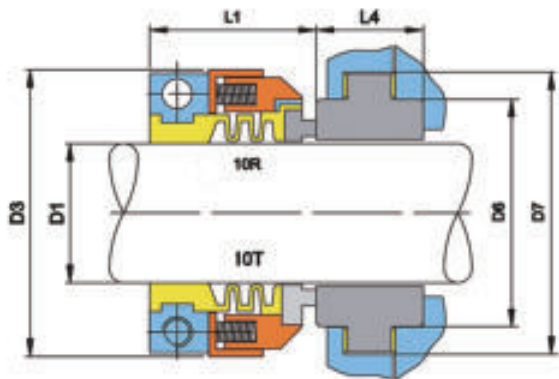
LP WB2

D1(mm)	Size	D3	D7	D6	L4	L1	L12
25	0250	60	60	47	27	42	45
30	0300	67	67	53	27	42	45
32	0320	69	64	50.7	27	42	45
35	0350	72	70	57	27	42	45
40	0400	78	76	62	26	42	45
45	0450	84	82	67	27	44	46
50	0500	88	86	72	27	46	46
55	0550	95	90	77	27	46	46
60	0600	100	95	82	27	46	46
65	0650	105	100	87	27	46	46

D1(Inch)	Size	D3	D7	D6	L4	L1	L12
1"	0254	60	54	42.86	17.5	42	45
1 1/8"	0286	67	60	46.03	27	42	45
1 1/4"	0317	69	65	50.8	27	42	45
1 3/8"	0349	72	68	53.98	27	42	45
1 1/2"	0381	76	71	57.15	27	42	45
1 5/8"	0412	80	78	63.5	27	42	45
1 3/4"	0444	84	81	66.68	27	44	46
1 7/8"	0476	86	84	69.85	27	44	46
2"	0508	90	87	73.03	27	46	46
2 1/8"	0539	95	97	79.38	33.5	46	46
2 1/4"	0571	98	100	82.55	33.5	46	46
2 3/8"	0603	100	103	85.73	33.5	46	46

Remarks: imported seal, specially designed cartridge seal for plotting and customization subject to your sample and drawing.
ADD.: No. 5, Yunkai Road, Huangpu District, Guangzhou, China.
TEL.: +86-020-36158139, +86-020-36158280

D1(mm)	Size	D1(inch)	Seat	D3	D7	D6	L4	L1
16	0160	0.750	0191	54	48.00	36.51	17.60	31.00
18	0180	0.750	0191	54	48.00	36.51	17.60	31.00
20	0200	0.875	0222	57	51.00	39.69	17.60	31.00
22	0220	0.875	0222	57	51.00	39.69	17.60	31.00
24	0240	1.000	0254	61	54.00	42.86	17.60	33.00
25	0250	1.000	0254	61	54.00	42.86	17.60	33.00
28	0280	1.125	0317	67	65.00	50.80	27.00	36.00
30	0300	1.250	0349	70	68.00	53.98	27.00	37.00
32	0320	1.250	0350	70	68.00	53.98	27.00	37.00
33	0330	1.375	0381	73	71.00	57.15	27.00	38.00
35	0350	1.375	0381	73	71.00	57.15	27.00	38.00
38	0380	1.500	0412	76	78.00	63.50	27.00	38.00
40	0400	1.625	0444	80	81.00	66.68	27.00	40.00
43	0430	1.750	0476	83	84.00	69.85	27.00	40.00
45	0450	1.750	0476	83	84.00	69.85	27.00	40.00
48	0476	1.875	0508	86	87.00	73.03	27.00	43.00
50	0500	2.000	0539	89	97.00	79.38	33.40	43.00
53	0530	2.125	0571	103	100.00	82.55	33.40	53.00
55	0550	2.250	0603	107	103.00	85.73	33.40	53.00
58	0580	2.375	0635	110	106.00	88.90	33.40	53.00
60	0600	2.375	0635	110	106.00	88.90	33.40	53.00



● 主要技术参数

介质: 各种浓度的硫酸、盐酸、磷酸、醋酸、稀硝酸等强腐蚀性化工介质

温度: -20℃ to 120℃

压力: ≤0.5MPa

转速: ≤10m/s

材料:

静环: Ceramic/Sic/Ssic

动环: Teflon/Sic/Ssic

辅助密封: Teflon

弹簧及金属件: 不锈钢



LP 10R 10T

● Working Conditions

Mediums: Sulfuric acid, hydrochloric acid, phosphoric acid, acetic acid, and nitric acid with various degrees .etc.

Temperature: -20℃ to 120℃

Pressure: ≤0.5MPa

Speed: ≤10m/s

Materials

Stationary Ring: Ceramic/Sic/Ssic

Rotary Ring : Teflon/Sic/Ssic

Secondary Seal: Teflon

Spring and Metal Part: Stainless Steel



LP 609

● 主要技术参数

介质: 油类,轻烃, 芳烃, 有机溶剂,弱酸,碱液、氨水等清洁或含颗粒流体

温度: -75℃ to 400℃

压力: ≤2.0MPa (单层) , ≤6.0MPa (双层)

转速: ≤23m/s

材料:

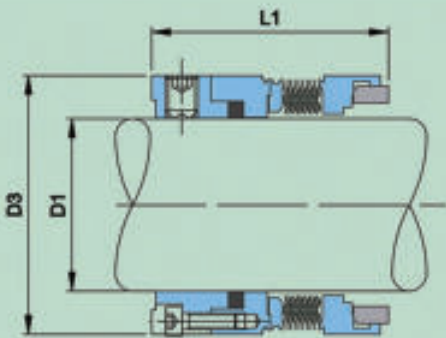
静环: Sic/TC

动环: Carbon/Sic/TC

辅助密封: 柔性石墨

弹簧及金属件: 不锈钢

D1(inch)	Size Code	D3	L1
1.000	0254	41.28	38.89
1.125	0286	44.45	39.67
1.250	0317	47.63	40.46
1.375	0349	50.80	40.46
1.500	0381	53.98	40.46
1.625	0412	57.15	40.46
1.750	0444	60.33	41.28
1.875	0476	63.50	41.28
2.000	0508	66.68	42.06
2.125	0539	69.85	42.06
2.250	0571	73.03	43.66
2.375	0603	76.20	43.66
2.500	0635	82.55	44.45
2.625	0666	85.73	45.24
2.750	0698	88.90	45.24
2.875	0730	93.85	47.63
3.000	0762	96.82	47.63
3.125	0794	101.60	47.63
3.250	0826	104.78	47.63
3.375	0857	107.95	47.63
3.500	0889	111.13	47.63
3.625	0921	114.30	47.63
3.750	0953	117.48	47.63
3.875	0984	120.65	47.63
4.000	1016	123.83	47.63



● Working Conditions

Mediums: Oil, light hydrocarbon, aromatic hydrocarbon, organic solvents, weak acids, alkali, Ammonia, etc.

Temperature: -75℃ to 400℃

Pressure: ≤2.0MPa (Single) , ≤6.0 MPa (Double)

Speed: ≤23m/s

Materials

Stationary Ring: Sic/TC

Rotary Ring : Carbon/Sic/TC

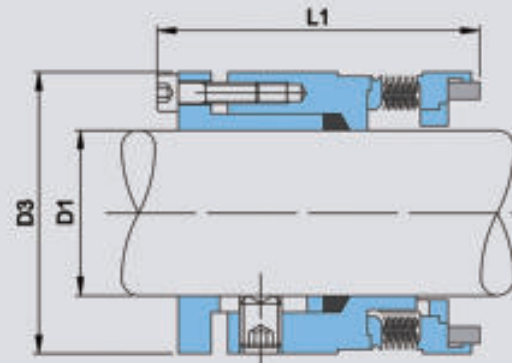
Secondary Seal: Graphite

Spring and Metal Part: Stainless Steel

Remarks:imported seal,specially designed cartridge seal for plotting and customization subject to your sample and drawing.

ADD.: No. 5, Yunkai Road, Huangpu District, Guangzhou, China.

TEL.: +86-020-36158139, +86-020-36158280



Working Conditions

Mediums: Oil, light hydrocarbon, aromatic hydrocarbon, organic solvents, weak acids, alkali, Ammonia, etc.
Temperature: -75℃ to 400℃
Pressure: ≤2.0MPa (Single) 、≤6.0MPa (Double)
Speed: ≤23m/s

Materials

Stationary Ring: Sic/TC
Rotary Ring : Carbon/Sic/TC
Secondary Seal: Graphite
Spring and Metal Part: Stainless Steel

D1(inch)	Size Code	D3	L1
0.750	0191	41.28	58.72
0.875	0222	44.45	59.51
1.000	0254	47.63	59.51
1.125	0286	50.80	60.33
1.250	0317	53.98	60.33
1.375	0349	57.15	62.69
1.500	0381	60.33	63.50
1.625	0412	63.50	63.50
1.750	0444	66.68	64.29
1.875	0476	69.85	64.29
2.000	0508	73.03	65.07
2.125	0539	76.20	65.07
2.250	0571	82.55	69.85
2.375	0603	85.73	70.64
2.500	0635	88.90	70.64
2.625	0666	93.65	73.03
2.750	0698	96.82	76.20
2.875	0730	101.60	76.20
3.000	0762	104.78	76.20
3.125	0794	107.95	76.20
3.250	0826	111.13	76.20
3.375	0857	114.30	76.20
3.500	0889	117.48	76.20
3.625	0921	120.65	76.20
3.750	0953	123.83	76.20

主要技术参数

介质: 油类,轻烃, 芳烃, 有机溶剂,弱酸,碱液、氨水等清洁或含颗粒流体
温度:-75℃ to 400℃
压力:≤2.0MPa (单层) , ≤6.0MPa (双层)
转速:≤23m/s

材料:

静环:Sic/TC
动环: Carbon/Sic/TC
辅助密封: 柔性石墨
弹簧及金属件: 不锈钢



LP606



LP 85N

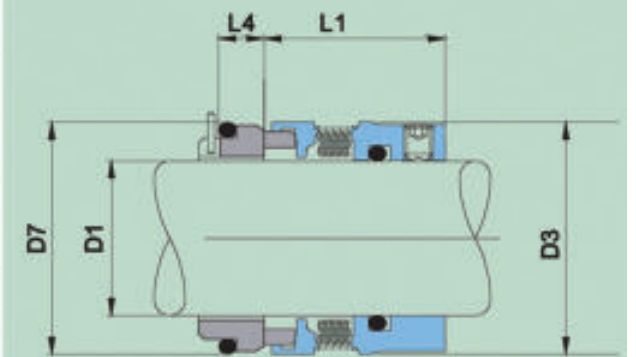
主要技术参数

介质: 油类,轻烃, 芳烃, 有机溶剂,弱酸,碱液、氨水等清洁或含颗粒流体
温度:-20℃ to 200℃
压力:≤2.0MPa
转速:≤23m/s

材料:

静环: Sic/TC
动环: Carbon/Sic/TC
辅助密封: NBR/EPDM/Viton
弹簧及金属件: 不锈钢

D1(mm)	Size Code	D3	D7	L1	L4
16	0160	30.0	27.0	32.7	7.0
18	0180	32.0	33.0	30.7	7.0
20	0200	33.5	35.0	30.7	7.0
22	0220	36.5	37.0	30.7	7.0
24	0240	39.0	39.0	28.7	11.5
25	0250	39.6	40.0	28.7	11.5
28	0280	42.8	43.0	31.2	11.5
30	0300	45.0	45.0	31.2	11.5
32	0320	46.0	48.0	31.2	11.5
33	0330	48.0	48.0	31.2	11.5
35	0350	49.2	50.0	31.2	11.5
38	0380	52.3	56.0	31.2	14.0
40	0400	55.5	58.0	31.2	14.0
43	0430	57.5	61.0	31.2	14.0
45	0450	58.7	63.0	31.2	14.0
48	0480	61.9	66.0	31.2	14.0
50	0500	65.0	70.0	32.7	15.0
53	0530	68.2	73.0	32.7	15.0
55	0550	70.0	75.0	32.7	15.0
58	0580	71.7	78.0	37.7	15.0
60	0600	74.6	80.0	37.7	15.0
63	0630	79.0	83.0	37.7	15.0
65	0650	84.1	85.0	37.7	15.0
68	0680	87.3	90.0	34.7	18.0
70	0700	87.3	92.0	42.2	18.0
75	0750	95.0	97.0	42.2	18.0
80	0800	98.4	105.0	42.0	18.2
85	0850	104.7	110.0	42.0	18.2
90	0900	111.0	115.0	47.0	18.2
95	0950	114.0	120.0	48.0	17.2
100	1000	117.4	125.0	48.0	17.2



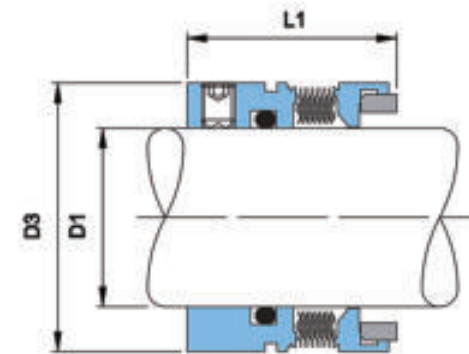
Working Conditions

Mediums: Oil, light hydrocarbon, aromatic hydrocarbon, organic solvents, weak acids, alkali, Ammonia, etc.
Temperature: 20℃ to 200℃
Pressure: ≤2.0MPa
Speed: ≤23m/s

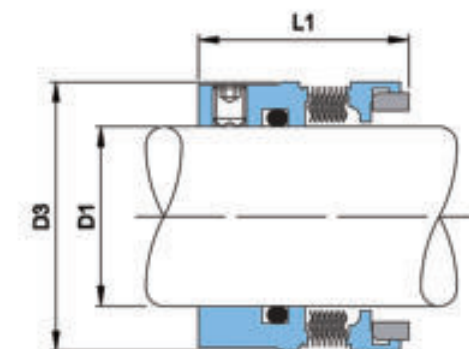
Materials

Stationary Ring: Sic/TC
Rotary Ring : Carbon/Sic/TC
Secondary Seal: NBR/EPDM/Viton
Spring and Metal Part: Stainless Steel

D1(mm)	Size Code	D3	L1
18	0180	32.0	27.5
20	0200	33.3	27.5
22	0220	36.0	27.5
24	0240	38.1	30.0
25	0250	39.0	30.0
28	0280	42.0	32.5
30	0300	44.0	32.5
32	0320	46.0	32.5
33	0330	47.0	32.5
35	0350	49.2	32.5
38	0380	52.4	34.0
40	0400	55.6	34.0
43	0430	58.7	34.0
45	0450	58.7	34.0
48	0480	61.9	34.0
50	0500	65.1	34.5
53	0530	68.3	34.5
55	0550	71.0	34.5
60	0600	74.6	39.5
65	0650	84.1	39.5
70	0700	87.3	45.0
75	0750	95.3	45.0
80	0800	98.4	44.5
85	0850	104.8	44.5
90	0900	108.0	49.5
95	0950	114.3	49.5
100	1000	120.7	49.5
105	1050	131.7	48.3
110	1100	138.1	48.3
115	1150	144.5	48.3
120	1200	144.5	48.3
125	1250	150.8	48.3
130	1300	157.8	48.3
140	1400	170.5	48.3
150	1500	176.9	48.3



LP 680



LP 670

Working Conditions

Mediums: Oil, light hydrocarbon, aromatic hydrocarbon, organic solvents, weak acids, alkali, Ammonia, etc.

Temperature: 20°C to 200°C

Pressure: ≤2.0MPa

Speed: ≤23m/s

Materials

Stationary Ring: Sic/TC

Rotary Ring: Carbon/Sic/TC

Secondary Seal: NBR/EPDM/Viton

Spring and Metal Part: Stainless Steel

主要技术参数

介质: 油类, 轻烃, 芳烃, 有机溶剂, 弱酸, 碱液、氨水等清洁或含颗粒流体

温度: -20°C to 200°C

压力: ≤2.0MPa

转速: ≤23m/s

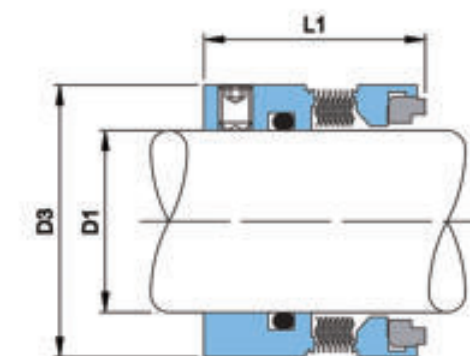
材料:

静环: Sic/TC

动环: Carbon/Sic/TC

辅助密封: NBR/EPDM/Viton

弹簧及金属件: 不锈钢



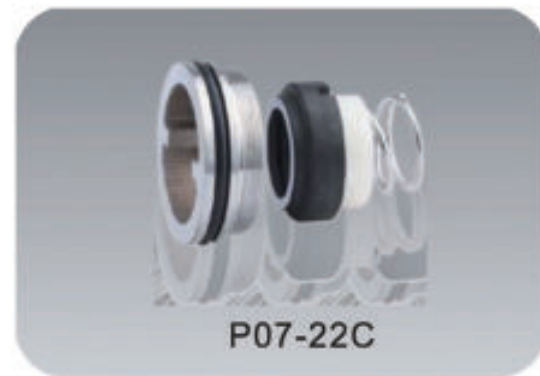
LP 676

D1(inch)	Size Code	D3	L1
0.750	0191	33.32	31.75
0.875	0222	36.50	31.75
0.937	0238	38.10	31.75
1.000	0254	39.67	31.75
1.125	0286	42.85	31.75
1.250	0317	46.02	33.32
1.375	0349	49.20	36.50
1.500	0381	52.37	36.50
1.625	0412	55.55	36.50
1.750	0444	58.72	36.50
1.875	0476	61.90	38.10
2.000	0508	65.07	38.10
2.125	0539	68.25	38.10
2.250	0571	71.42	39.67
2.375	0603	74.60	39.67
2.500	0635	80.95	39.67
2.625	0666	84.12	41.28
2.750	0698	87.30	41.28
2.875	0730	92.08	42.85
3.000	0762	95.25	42.85
3.125	0794	98.43	44.45
3.250	0826	101.60	44.45
3.375	0857	104.78	44.45
3.500	0889	107.95	47.63
3.625	0921	111.13	47.63
3.750	0953	114.30	47.63
3.875	0984	117.48	47.63
4.000	1016	120.65	47.63
4.250	1080	131.75	48.34
4.500	1143	138.13	48.34
4.750	1207	144.48	48.34
5.000	1270	150.70	48.34
5.250	1334	157.81	48.34
5.500	1397	164.16	48.34
5.750	1461	170.54	48.34
6.000	1524	176.89	48.34

Remarks: imported seal, specially designed cartridge seal for plotting and customization subject to your sample and drawing.

ADD.: No. 5, Yunkai Road, Huangpu District, Guangzhou, China.

TEL.: +86-020-36158139, +86-020-36158280



61



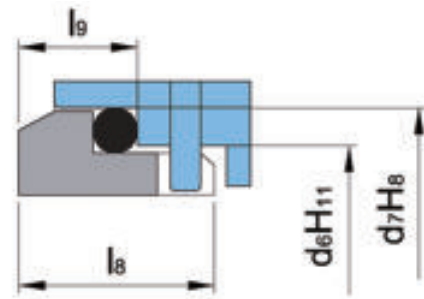
62



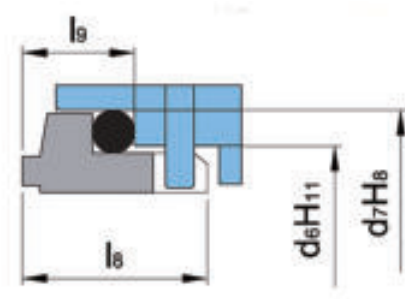
63



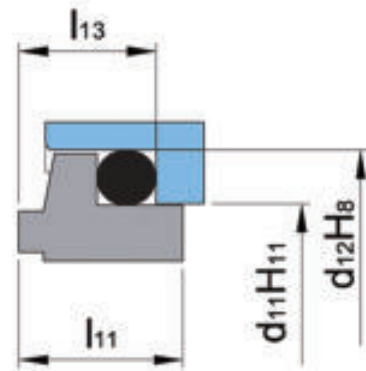
64



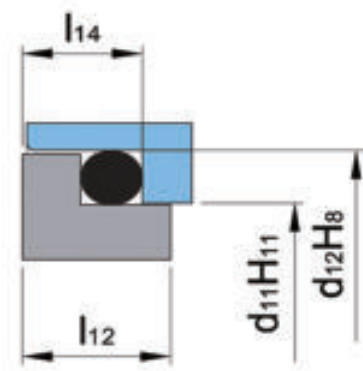
G9/DIN24960



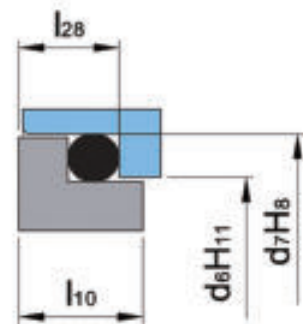
G9/DIN24960(Carbon)



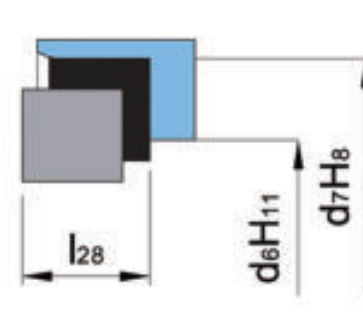
G13/DIN24250



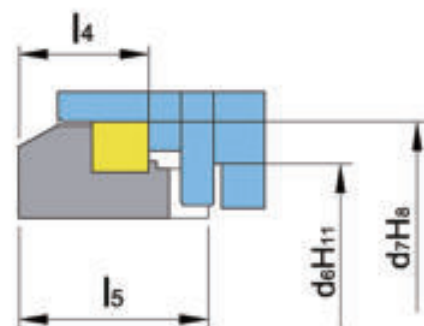
G4/DIN24250



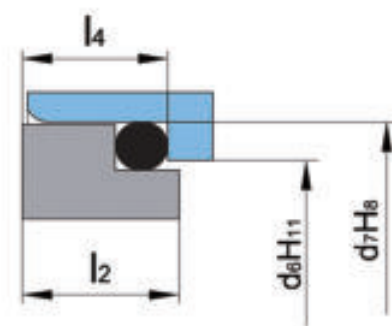
G6/DIN24960



G60/DIN24960



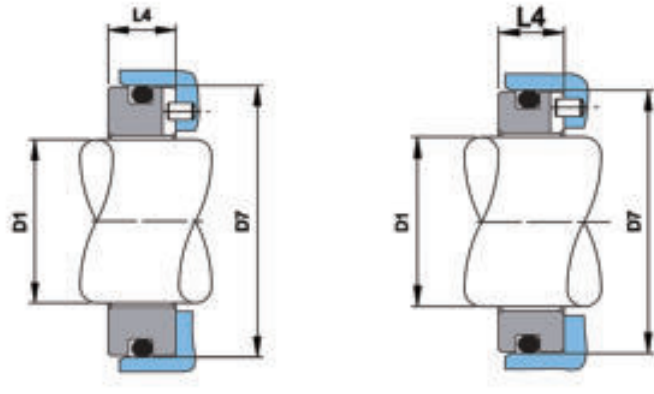
BP/DIN24960



BO/DIN24960

静环尺寸表 Stationary Seats Dimension Data (mm)

Shaft Size	d ₆	d ₇	G4/G13		BO	BO/BP	BP	G4		G6		G9/G92		G13	
			d ₁₁	d ₁₂	l ₂	l ₄	l ₅	l ₁₂	l ₁₄	l ₁₀	l ₂₈	l ₈	l ₉	l ₁₁	l ₁₃
10	17	21	15.5	19.2	-	-	-	7.5	6.6	7.5	6.6	17.5	10.0	9.0	7.1
12	19	23	17.5	21.6	-	-	-	6.5	5.6	7.5	6.6	17.5	10.0	10.0	7.6
14	21	25	20.5	24.6	12.8	12.0	18.5	6.5	5.6	7.5	6.6	17.5	10.0	10.0	7.6
15	-	-	20.5	24.6	-	12.0	-	7.5	6.6	7.5	-	17.5	10.0	11.0	8.6
16	23	27	22.0	28.0	12.8	12.0	18.5	8.5	7.5	7.5	6.6	17.5	10.0	11.5	9.0
18	27	33	24.0	30.0	14.5	13.5	20.5	9.0	8.0	8.5	7.5	19.5	11.5	12.5	10.0
20	29	35	29.5	35.0	14.5	13.5	20.5	8.5	7.5	8.5	7.5	19.5	11.5	12.5	9.5
22	31	37	29.5	35.0	14.5	13.5	20.5	8.5	7.5	8.5	7.5	19.5	11.5	12.5	9.5
24	33	39	32.0	38.0	14.3	13.3	20.3	8.5	7.5	8.5	7.5	19.5	11.5	12.5	9.5
25	34	40	32.0	38.0	14.0	13.0	20.0	8.5	7.5	8.5	7.5	19.5	11.5	12.5	9.5
26	-	-	34.0	40.0	-	-	-	9.0	8.0	8.5	7.5	19.5	11.5	13.0	10.0
28	37	43	36.0	42.0	13.5	12.5	19.5	10.0	9.0	8.5	7.5	19.5	11.5	14.0	11.0
30	39	45	39.2	45.0	13.0	12.0	19.0	11.5	10.5	8.5	7.5	19.5	11.5	14.0	11.0
32	42	48	42.2	48.0	13.0	12.0	19.0	11.5	10.5	8.5	7.5	19.5	11.5	14.0	11.0
33	42	48	44.2	50.0	13.0	12.0	19.0	12.0	10.5	8.5	7.5	19.5	11.5	14.5	11.5
35	44	50	46.2	52.0	13.0	12.0	19.0	12.0	11.0	8.5	7.5	19.5	11.5	14.5	11.5
38	49	56	49.2	55.0	14.0	13.0	20.0	11.3	10.3	10.0	9.0	22.0	14.0	14.5	11.5
40	51	58	52.2	58.0	14.0	13.0	20.0	11.8	10.8	10.0	9.0	22.0	14.0	14.5	11.5
42	-	-	53.3	62.0	14.0	13.0	-	13.2	12.0	10.0	9.0	22.0	14.0	17.0	14.3
43	54	61	53.3	62.0	14.0	13.0	20.0	13.2	12.0	10.0	9.0	22.0	14.0	17.0	14.3
45	56	63	55.3	64.0	14.0	13.0	20.0	12.8	11.6	10.0	9.0	22.0	14.0	17.0	14.3
48	59	66	59.7	68.4	14.0	13.0	20.0	12.8	11.6	10.0	9.0	22.0	14.0	17.0	14.3
50	62	70	60.8	69.3	14.5	13.5	20.5	12.8	11.6	10.5	9.5	23.0	15.0	17.0	14.3
53	65	73	63.8	72.3	14.5	13.5	20.5	13.5	12.3	12.0	11.0	23.0	15.0	17.0	15.3
55	67	75	66.5	75.4	14.5	13.5	20.5	14.5	13.3	12.0	11.0	23.0	15.0	18.0	15.3
58	70	78	69.5	78.4	14.2	13.5	20.5	14.5	13.3	12.0	11.0	23.0	15.0	18.0	15.3
60	72	80	71.5	80.4	14.2	13.5	20.5	14.5	13.3	12.0	11.0	23.0	15.0	18.0	15.3
63	75	83	74.5	83.4	14.2	13.5	20.5	14.2	13.3	12.0	11.0	23.0	15.0	18.0	15.3
65	77	85	76.5	85.4	14.2	13.5	20.5	14.2	13.0	12.0	11.0	23.0	15.0	18.0	15.3
68	81	90	82.7	91.5	14.2	13.5	20.5	14.9	13.7	12.5	11.3	26.0	18.0	19.0	16.0
70	83	92	83.0	92.0	15.2	14.5	21.5	14.2	13.0	12.5	11.3	26.0	18.0	18.0	15.3
75	88	97	90.2	99.0	15.2	14.5	21.5	15.2	14.8	12.5	11.3	26.0	18.0	18.0	15.3
80	95	105	95.2	104.0	15.7	15.0	22.0	16.2	14.8	13.0	12.0	26.2	18.2	19.0	16.3
85	100	110	100.2	109.0	15.7	15.0	22.0	16.0	14.8	15.0	14.0	26.2	18.2	19.0	16.3
90	105	115	105.2	114.0	15.7	15.0	22.0	16.0	14.8	15.0	14.0	26.2	18.2	19.0	16.3
95	110	120	111.6	120.3	15.7	15.0	22.0	17.0	15.8	15.0	14.0	25.2	17.2	20.0	17.3
100	115	125	114.5	123.3	15.7	15.0	22.0	17.0	15.8	15.0	14.0	25.2	17.2	20.0	17.3



LPT21

LPT31

材料:

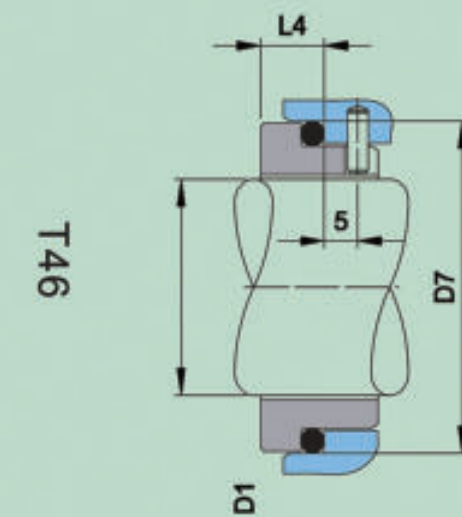
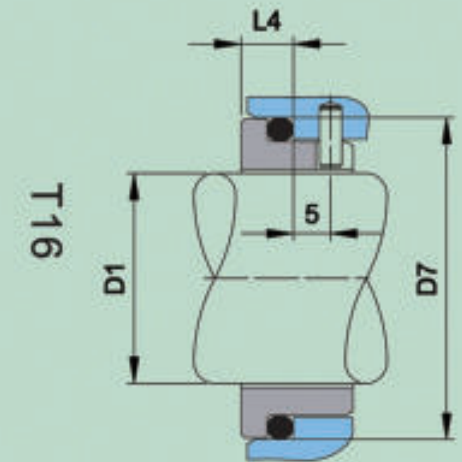
静环: Ceramic/ Sic / TC/SUS304
辅助密封: NBR / EPDM / Viton

Materials

Stationary Ring :Ceramic/Sic / TC/SUS304
Secondary Seal: NBR / EPDM / Viton

D1(mm)	Size Code	D1(inch)	Size Code	D7(T31)	L4(T31)	D7(T21)	L4(T21)
		0.375	0095	22.22	7.95	24.60	8.70
10	0100			22.22	7.95	24.60	8.70
12	0120			25.40	7.95	27.79	8.70
		0.500	0127	25.40	7.95	27.79	8.70
13	0130			25.40	7.95	27.79	8.70
14	0140			31.75	10.30	30.95	10.30
15	0150			31.75	10.30	30.95	10.30
		0.625	0158	31.75	10.30	30.95	10.30
16	0160			31.75	10.30	30.95	10.30
18	0180			34.93	10.30	34.15	10.30
		0.750	0191	34.93	10.30	34.15	10.30
20	0200			38.10	10.30	35.70	10.30
22	0220			38.10	10.30	37.30	10.30
		0.875	0222	38.10	10.30	37.30	10.30
24	0240			41.28	11.10	40.50	10.30
25	0250			41.28	11.10	40.50	10.30
		1.000	0254	41.28	11.10	40.50	10.30
28	0280			44.44	11.10	47.63	11.90
		1.125	0286	44.44	11.10	47.63	11.90
30	0300			47.63	11.10	50.80	11.90
		1.250	0317	47.63	11.10	50.80	11.90
33	0330			50.80	11.10	53.98	11.90
		1.375	0349	50.80	11.10	53.98	11.90
35	0350			50.80	11.10	53.98	11.90
38	0380			53.98	11.10	57.15	11.90
		1.500	0381	53.98	11.10	57.15	11.90
40	0400			60.35	12.70	60.35	11.90
		1.625	0412	60.35	12.70	60.35	11.90
42	0420			63.50	12.70	63.50	11.90
43	0430			63.50	12.70	63.50	11.90
45	0450			63.50	12.70	63.50	11.90
		1.875	0476	66.68	12.70	66.70	11.90
48	0480			69.85	12.70	66.70	11.90
50	0500			69.85	12.70	69.85	13.50
		2.000	0508	69.85	12.70	69.85	13.50
53	0530			76.20	14.30	73.05	13.50
		2.125	0539	76.20	14.30	73.05	13.50
55	0550			79.38	14.30	76.20	13.50
		2.250	0571	79.38	14.30	76.20	13.50
58	0580			82.55	14.30	79.40	13.50
60	0600			82.55	14.30	79.40	13.50
		2.375	0603	82.55	14.30	79.40	13.50
63	0630			85.73	14.30	82.55	13.50
		2.500	0635	85.73	14.30	82.55	13.50
65	0650			85.73	15.90	92.10	15.90
		2.625	0666	85.73	15.90	92.10	15.90
		2.750	0698	88.90	15.90	95.25	15.90
70	0700			88.90	15.90	95.25	15.90
		2.875	0730	92.25	15.90	98.45	15.90
75	0750			98.43	15.90	101.65	15.90
		3.000	0762	98.43	15.90	101.65	15.90
80	0800			101.60	19.88	111.15	19.90
90	0900			111.13	19.88	120.65	19.90
100	1000			123.83	19.88	133.35	19.90

D1(mm)	Size Code	D7	L4(T16)	L4(T46)
18	0180	33.0	7.0	9.0
20	0200	35.0	7.0	9.0
22	0220	37.0	7.0	9.0
24	0240	39.0	7.0	9.0
25	0250	40.0	7.0	9.0
28	0280	43.0	7.0	9.5
30	0300	45.0	7.0	9.5
32	0320	48.0	7.0	9.5
33	0330	48.0	7.0	9.5
35	0350	50.0	7.0	9.5
38	0380	56.0	8.0	10.5
40	0400	58.0	8.0	10.5
43	0430	61.0	8.0	10.5
45	0450	63.0	8.0	10.5
48	0480	66.0	8.0	10.5
50	0500	70.0	9.5	12.0
53	0530	73.0	9.5	12.0
55	0550	75.0	9.5	12.0
58	0580	78.0	10.5	13.0
60	0600	80.0	10.5	13.0
65	0650	85.0	10.5	13.0
68	0680	90.0	11.0	13.5
70	0700	92.0	11.5	14.0
75	0750	97.0	11.5	14.0
80	0800	105.0	11.5	14.0
85	0850	110.0	11.5	14.0
90	0900	115.0	13.0	15.5
95	0950	120.0	13.0	15.5
100	1000	125.0	13.0	15.5



材料:

静环: Ceramic/ Sic / TC
辅助密封: NBR / EPDM / Viton

Materials

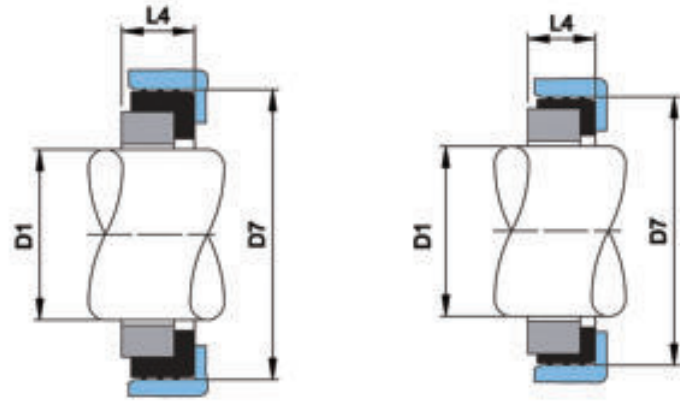
Stationary Ring :Ceramic/Sic / TC
Secondary Seal: NBR / EPDM / Viton



LPT16

T46

Remarks:imported seal,specially designed cartridge seal for plotting and customization subject to your sample and drawing.
ADD.: No. 5, Yunkai Road, Huangpu District, Guangzhou, China.
TEL.: +86-020-36158139, +86-020-36158280



LPT20

LPT11

材料:

静环: Ceramic/ Sic / TC
辅助密封: NBR / EPDM / Viton

XGT20 size chart

D1(mm)	Size Code	D1(inch)	Size Code	D7	L4
10	0100	0.375	0095	24.60	8.70
12	0120	0.5	0127	27.80	8.70
14	0140			30.95	10.30
15	0150			30.95	10.30
16	0160	0.625	0158	30.95	10.30
18	0180			34.15	10.30
19	0190	0.75	0191	34.15	10.30
20	0200	0.813	0206	35.70	10.30
22	0220	0.875	0222	37.30	10.30
24	0240			40.50	10.30
25	0250	1	0254	40.50	10.30
28	0280	1.125	0286	46.65	12.00
30	0300			50.80	12.00
32	0320	1.25	0317	50.80	12.00
33	0330			54.00	12.00
35	0350	1.375	0349	54.00	12.00
38	0380	1.5	0381	57.15	12.00
40	0400	1.625	0412	60.35	12.00
42	0420			63.50	12.00
43	0430			63.50	12.00
45	0450	1.75	0444	63.50	12.00
48	0480	1.875	0476	66.70	12.00
50	0500	2	0508	69.85	13.50
53	0530	2.125	0539	73.05	13.50
55	0550	2.25	0571	76.20	13.50
58	0580			79.40	13.50
60	0600	2.375	0603	79.40	13.50
63	0630	2.5	0635	82.50	16.00
65	0650	2.625	0666	92.10	16.00
68	0680			95.25	16.00
70	0700	2.75	0698	95.25	16.00
73	0730	2.875	0730	98.45	16.00
75	0750	3.000	0762	101.65	16.00

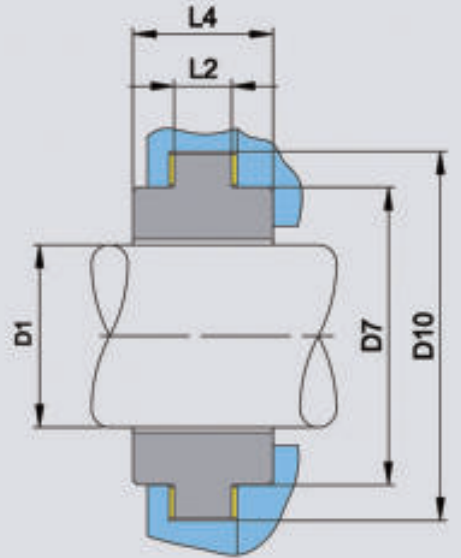
Materials

Stationary Ring :Ceramic/Sic / TC
Secondary Seal: NBR / EPDM / Viton

XGT11 size chart

D1(inch)	Size Code	D7	L4
0.375	0095	22.20	7.95
0.500	0127	25.40	7.95
0.625	0158	31.75	10.31
0.750	0191	34.93	10.31
0.875	0222	38.10	10.31
1.000	0254	41.28	11.10
1.125	0286	44.44	11.10
1.250	0317	47.63	11.10
1.375	0349	50.80	11.10
1.500	0381	53.98	11.10
1.625	0412	60.33	12.70
1.750	0444	63.50	12.70
1.875	0476	66.68	12.70
2.000	0508	69.85	12.70
2.125	0539	76.20	14.27
2.250	0571	79.38	14.27
2.375	0603	82.55	14.27
2.500	0635	85.73	14.27
2.625	0666	85.73	15.88
2.750	0698	88.90	15.88
2.875	0730	95.25	15.88
3.000	0762	98.43	15.88
3.125	0794	101.60	19.84
3.250	0826	104.78	19.84
3.375	0875	107.95	19.84
3.500	0889	111.13	19.84
3.625	0921	114.30	19.84
3.750	0953	117.48	19.84
3.875	0984	120.65	19.84
4.000	1016	123.85	19.84

D1(inch)	Size Code	D7	D10	L2	L4
0.750	0191	36.51	48.00	7.90	17.40
0.875	0222	39.69	51.00	7.90	17.40
1.000	0254	42.86	54.00	7.90	17.40
1.125	0286	50.80	65.00	11.10	26.90
1.250	0317	53.98	68.00	11.10	26.90
1.375	0349	57.15	71.00	11.10	26.90
1.500	0381	63.50	78.00	11.10	26.90
1.625	0412	66.68	81.00	11.10	26.90
1.750	0444	69.85	84.00	11.10	26.90
1.875	0476	73.03	87.00	11.10	26.90
2.000	0508	79.38	97.00	14.30	26.90
2.125	0539	82.55	100.00	14.30	33.40
2.250	0571	85.73	103.00	14.30	33.40
2.375	0603	88.90	106.00	14.30	33.40
2.500	0635	92.08	110.00	14.30	33.40
2.625	0666	95.25	113.00	14.30	33.40
2.750	0698	98.43	116.00	14.30	33.40
2.875	0730	100.01	117.00	14.30	33.40
3.000	0762	103.19	121.00	14.30	33.40
3.250	0826	114.30	132.00	14.30	33.40
3.500	0889	120.65	138.00	14.30	33.40
3.750	0953	127.00	144.00	14.30	33.40
4.000	1016	133.35	151.00	14.30	33.40



材料:

静环: Ceramic/ Sic / TC
辅助密封: NBR / EPDM / Viton

Materials

Stationary Ring :Ceramic/Sic / TC
Secondary Seal: NBR / EPDM / Viton



LPV

Remarks:imported seal,specially designed cartridge seal for plotting and customization subject to your sample and drawing.
ADD.: No. 5, Yunkai Road, Huangpu District, Guangzhou, China.
TEL.: +86-020-36158139, +86-020-36158280

氧化铝物理性能参数 Al ₂ O ₃ Ceramic Physical Property				
技术参数 Technical Parameter	单位 Unit	95%	99%	99.5%
氧化铝含量 Content Of Al ₂ O ₃	%	95	99	99.5
体积密度 Density	g/cm ³	3.7	3.88	3.9
硬度 Hardness	HRA	85	88	90
显气孔率 Porosity Rate	%	<0.4	<0.2	<0.15
抗折强度 Fractural Strength	MPa	250	310	350
热膨胀系数 Coefficient Of Heat Expansion	10 ⁻⁶ /K	5.5	5.3	5.2
导热系数 Thermal Conductivity	W/M.K	27.8	26.7	26

氧化铝陶瓷密封环具有耐高温、耐化学腐蚀、耐磨损、密封性好的优点，能使用于各种耐酸、耐碱、耐油的密封泵及其他密封产品，广泛适用于石油、化工、制药、汽车制造、军工、航空、冶金、印染、食品、机械等诸多行业的密封。

Ceramic seal faces have the property of the resistant high temperature, resistant-corrosionresistant-wearing and good sealing and are widely used in the spacecraft, machinery, metallurgyprinting and dyeing, foodstuff, pharmaceutical, auto industry and so on.

71

硬质合金 (TC) 物理性能参数 TC physical property						
技术参数 Technical Parameter	单位	YWN6	YWN8	YG6	YG8	DYNT60
化学成份 Composition	WC	%	94	92	94	92
	Ni	%	6	8		
	Co	%			6	8
密度 Density	g/cm ³	14.5-14.9	14.4-14.8	14.6-15	14.5-14.9	6.5-6.8
硬度 Hardness	HRA	88.5	88	89.5	89	90
抗弯强度 Fractural Strength	MPa	1490	1470	1421	1470	1480
热膨胀系数 Heat Expansion Co-efficient	10 ⁻⁶ /K	5.2	5.3	5	5.1	7.5

硬质合金是机械密封摩擦材料中用量较多的硬面材料，使用范围较广泛，耐磨性好，抗弯强度高，导热系数高，膨胀系数小，是所有硬面材料中耐热冲击系数最高的材料。

Tungsten carbide is widely used as seal faces with resistant-wearing, high fractural strength, highthermal conductivity, small heat expansion co-efficient, t is the best material to resist heat and fracturein all hard face materials.

碳石墨物理性能参数 Graphite chemical property							
类别 Category	型号	密度	抗折强度	抗压强度	肖氏硬度	气孔率	温度
	Model	Density(g/cm)	Fractural Strength(MPa)	Compressive Strength(MPa)	Shaw Hardness(HS)	Porosity(%)	Temperature(℃)
Carbon-graphite 碳石墨	浸环氧树脂 Impregnated Epoxy Resin(H)	M106H	1.75	65	200	85	<1
		M120H	1.7	60	180	80	<1
	浸呋喃树脂 Impregnated Furan Resin(K)	M106K	1.75	67	200	90	<1
		M120K	1.7	62	180	85	<1
	浸酚醛树脂 Impregnated Phenol Aldehyde Resin(F)	M106F	1.75	60	200	85	<1
		M120F	1.7	55	180	80	<1
	浸锑石墨 Antimony Carbon(D)	M106D	2.3	65	220	90	<1.5
		M120D	2.3	60	220	90	<1.5
		M254D	2.3	55	210	65	<1.5

碳石墨材料具有良好的耐腐蚀性，较高的导热系数，低的摩擦系数，自润滑性好，膨胀系数小，可制作各种形状规格的密封环、石墨轴承、石墨摩擦片等产品，是机械密封较理想的摩擦副材料。

Graphite has the good property of good resistant-corrosion, high thermal conductivity and lower friction, good self-lubrication, the smaller expansion. They can be made into the seal faces, bearings and so on. It is ideal to choose it as the frictional mating rings.

72

碳化硅 (Sic) 物理性能参数 Sic Physical Property				
技术参数 Technical Parameter	单位 Unit	反应烧结 Sic	无压烧结 Ssic	
硬度 Hardness	HS	110	115	
显气孔率 Porosity Rate	%	<0.3	<0.2	
体积密度 Density	g/cm ³	3.00-3.05	>3.1	
抗压强度 Compressive Strength	MPa	> 2200	> 2500	
抗弯强度 Fractural Strength	MPa	>350	>380	
热膨胀系数 Coefficient Of Heat Expansion	10 ⁻⁶ /℃	4	4.2	
碳化硅含量 Content of Sic	%	≥90	≥98	
游离硅含量 Content of Free Silicone	%	≤ 10	≤ 1	
弹性模量 Elastic Modulus	GPa	≥400	≥410	
温度 Temperature	℃	1300	1400	

碳化硅材料具有以下优点：极高化学耐腐蚀性，高的机械强度，高热导率，耐磨自润性好，适用生产各种机械密封环、轴承、轴套等摩擦材料。故广泛应用于石油化工、电力、轻工、航天、汽车、造纸及污水处理等各工业领域。且与碳石墨配对，摩擦系数最小，可用作高参数机械密封。

They have the property of excellent resistant-corrosion, high mechanical strength, high thermal conductivity,good self-lubrication, used as seal faces, bearings and tubes in spacecraft, machinery, metallurgy, printing and dyeing, foodstuff, pharmaceutical, auto industry and so on. When the sic faces are combined with graphitefaces the friction is the smallest and they can be made into mechanical seals which are able to work in highest working requirements.

Remarks:imported seal,specially designed cartridge seal for plotting and customization subject to your sample and drawing.
ADD.: No. 5, Yunkai Road, Huangpu District, Guangzhou, China.
TEL.: +86-020-36158139, +86-020-36158280



73

丁晴橡胶 NBR	耐油、耐压、耐磨、弹性好、强度高；适用于 -20℃ ~ 100℃的清水、油、醇等介质 Resistant to oil, pressure and wear, good elasticity and mechanical strength; Applicable to the mediums including water, oil, alcohol, etc from -20℃ to 100℃
乙丙橡胶 EPDM	耐热、耐气候性好、抗臭氧和各种化学药品；适用于 -35℃ ~ 150℃的含弱碱的介质 Resistant to high or low temperatures, ozone and chemicals; Applicable to weak acids with temperatures from -35℃ to 150℃
氟橡胶 Viton	耐热、耐油、耐药品性好、耐中等酸碱；适用于 -20℃ ~ 180℃各种腐蚀性介质 Resistant to heat, oil, medicine and chemical reagents, acid and alkali with medium corrosive degrees; Applicable to the corrosive mediums from 20℃ to 180℃
硅橡胶 Silica Gel	耐臭氧老化、光老化、耐醋酸、氨水、乙醇；适用于 -50℃ ~ 210℃的醇、碱介质 Resistant to ozone, aging, acetic acid, ammonia and alcohol; Applicable to alcohol, alkali, etc from -50℃ to 210℃
氯醇橡胶 Chlorinated Rubber	耐氟里昂、石油；适用于 -30℃ ~ 130℃的无机酸、碱介质 Resistant to Freon, petroleum; Applicable to inorganic acid, alkali, running from -30℃ to 130℃
全氟橡胶 FFKM	耐油、耐药品性、耐水蒸气性、几乎耐所有化学腐蚀；适用于 -20℃ ~ 320℃的各种化学腐蚀性介质 Resistant to oil, chemical, water vapor resistance; Applicable to various chemical corrosive media from -20℃ to 320℃
四丙氟橡胶 AFLAS	耐高温、抗老化、耐酸碱腐蚀、耐高温水蒸气；适用于 -30℃ ~ 230℃的各种腐蚀性介质 Resistant to oil, pressure and wear, good elasticity and mechanical strength; Applicable to various corrosive media from -30℃ to 230℃

准备工作:

- 1.轴外径公差范围 ± 0.002 " ($\pm 0.05\text{mm}$)
- 2.轴窜动 ≤ 0.004 " (0.1mm)
- 3.轴端浮动 ≤ 0.005 " (0.13mm)
- 4.轴上与O形圈接触处没有毛刺

注意：安装过程中，注意不要划伤或损坏O形圈。

安装指导:

- 1.产品在出厂组装之前已经严格质检，清洗和气密检漏，用户不必重新拆洗以免损坏零件
- 2.机封与轴配合要求为轴d1h6 ∇ 0.8，轴端部须有导入角，在紧定螺钉部位轴的外径要小0.1~0.2mm
避免因拧紧时轴表面拧毛引起装拆受阻，并用润滑油润滑轴。
- 3.将集装式机封推入泵轴之后，依次工序为：
 - a. 先拧紧4个法兰连接螺栓，此时应确认介质引入孔“G”处在顶部。
 - b. 拧紧4个紧定螺钉使轴套在轴上定位。
 - c. 拆掉4个定位板（妥善保管以后装拆均要使用）。
 - d. 接装介质引入管于“G”孔.使泵运行时介质从G孔流入带走摩擦热及冲洗密封腔。

注意：安装完成后，用手轻轻旋转轴，检验轴是否可以自由旋转.如果轴不能自由旋转，则说明安装不正确。

Preparation:

- 1.Shaft Outside Diameter is within tolerance ± 0.002 "(0.05mm)
- 2.Shaft run out ≤ 0.004 "(0.1mm)
- 3.Shaft end float ≤ 0.005 " (0.13mm) .
- 4.No sharp edges on the shaft over the O ring.

Note: During the installation, don't scratch or damage the O ring.

Installation instructions:

- 1.The full set of cartridge seal is cleaned and exactly passed leakage examine before sale. In order to avoid damage, don't disassemble and clean the parts again before fixing.
- 2.The fitting allowance between the seal and shaft is d1h6 ∇ 0.8, and there should be leading-in edge at the end of shaft. The outside diameter of shaft at the position of screw should be 0.1~0.2mm smaller, resisting the screw over-tighten. Lubricate the shaft with oil.
- 3.Place the cartridge seal into the pump chamber, then:
 - a.Tighten four screw bolts of flanges, ensuring the medium leading in hole "G" at the top position.
 - b.Tighten four set screws and position the shaft sleeve on the shaft.
 - c.Remove four gauge plates. Please keep them and they will be used in future installation and disassemble.
 - d.Connect the medium lead-in pipe with hole "G" in order to flush away the friction heat and flushing the seal chamber when pump running.

Note: After complete the installation, turning the shaft by hand to check for the rotation. If the shaft could not rotate smoothly, seal has been improperly installed.



CONTACTS US

www.lepuseal.com

ADD: No. 5, Yunkai Road, Huangpu District, Guangzhou, China.

TEL: +86-020-36158280, +86-020-36158139

FAX: +86-020-36158281

M. P: +86-13312879119 (岳定财)

E-mail: mark@lepuseal.com; amy@lepuseal.com

SKYPE: lepu-seal

Whatapps: +86-18903009893 (Mr. Mark Ao)