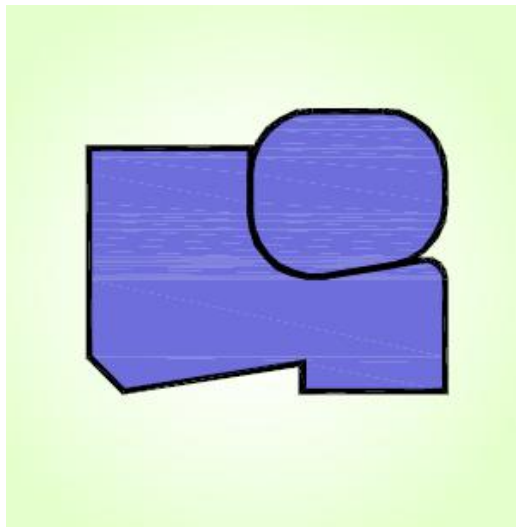
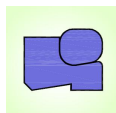


W12 防尘圈



双作用防尘圈



W12 防尘圈

1.说明

W12 防尘圈是由一个填充聚四氟乙烯防尘环和一个 O 形圈组成的双作用防尘圈，防尘环由防尘唇和密封唇组成。O 形圈在安装状态下提供的压缩力使防尘环紧靠滑动表面，从而达到防尘和密封的双重效果。

2.应用

W12 防尘圈主要应用于往复运动液压系统。相比 W11 防尘圈，W12 防尘圈的截面更大，因此更适用于大尺寸和重载的应用，比如机床、注塑机、伺服液压油缸和工业液压油缸等。

W12 防尘圈与 S33 活塞杆密封圈配合使用，可以组成具有流体动力泵吸功能的密封系统。

3.优点

- 摩擦力小，起动力低，运行平稳，无爬行及粘滞现象
- 良好的刮尘效果
- 能有效刮除粘附在活塞杆表面的残余油膜
- 能一定程度上补偿活塞杆或柱塞的径向偏载
- 安装尺寸紧凑，沟槽结构简单
- 可选材料多，可适用于大多数液压介质，以及宽广的温度

4.标准材料

密封体：填充聚四氟乙烯 F013

O 形圈：丁腈橡胶 NBR70

5.其它适用材料

详见密封材料一览表。

6.工况要求

速度：≤15m/s

温度：-45℃~+200℃（取决于 O 形圈材料）

介质：矿物液压油，抗燃液压油，环保液压油，水、空气和大多数的润滑油、油脂

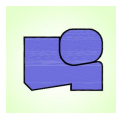
7.订货示例

活塞杆直径：100mm

沟槽尺寸：100x112.2x8.1

防尘环材料：F013

O 形圈材料：NBR70



订货号

W12

C

01000 - F013

N

型号

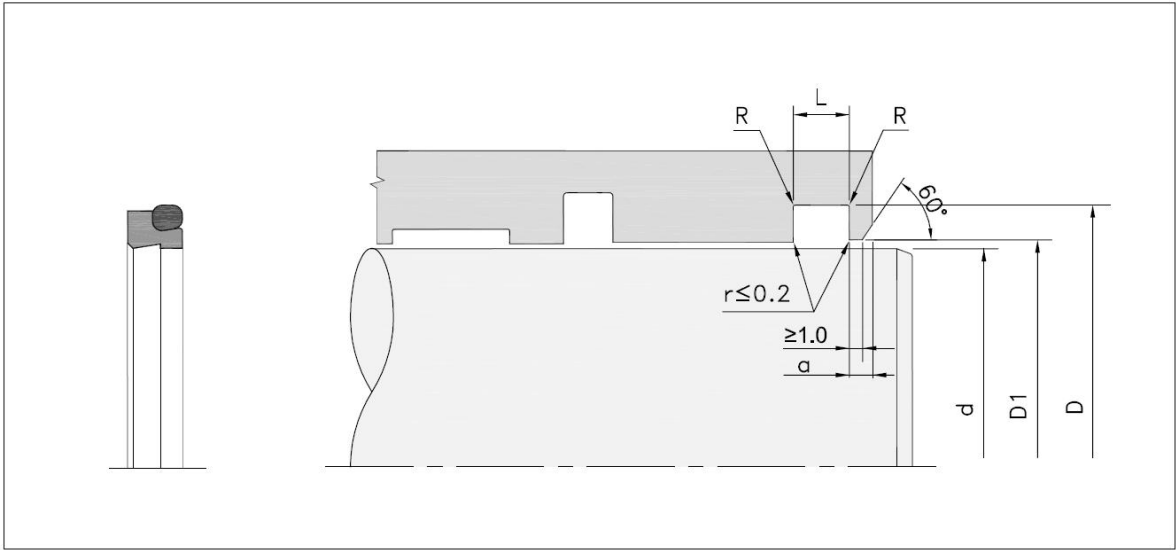
系列号

杆径 X10

材料（防尘环）

材料（O 形圈）

8. 安装尺寸参数



系列号	推荐标准杆径范围 d f8/h9	沟槽直径 D H9	沟槽宽度 L ^{+0.2}	敞孔直径 D ₁ H11	敞孔宽度 a _{min}	圆角 R max.	O 形圈截面
A	19.0~39.9	d+7.6	4.2	d+1.5	3.0	0.8	2.62
B	40.0~69.9	d+8.8	6.3	d+1.5	3.0	0.8	2.62
C	70.0~139.9	d+12.2	8.1	d+2.0	4.0	1.0	3.53
D	140.0~399.9	d+16.0	9.5	d+2.5	5.0	1.5	5.33
E	400.0~649.9	d+24.0	14.0	d+2.5	8.0	1.5	6.99
F	≥650.0	d+27.3	16.0	d+2.5	10.0	2.0	8.40

9.规格尺寸表

订货号	杆径 d f8/h9	沟槽直径 D H9	沟槽宽度 L ^{+0.2}	敞孔直径 D ₁ H11	敞孔宽度 a _{min}	圆角 R max.	O 形圈尺寸
W12A00200	20.0	27.6	4.2	21.5	3.0	0.8	21.89x2.62
W12A00220	22.0	29.6	4.2	23.5	3.0	0.8	25.07x2.62
W12A00250	25.0	32.6	4.2	26.5	3.0	0.8	28.24x2.62
W12A00280	28.0	35.6	4.2	29.5	3.0	0.8	29.82x2.62
W12A00300	30.0	37.6	4.2	31.5	3.0	0.8	32.99x2.62



W12A00320	32.0	39.6	4.2	33.5	3.0	0.8	34.59x2.62
W12A00350	35.0	42.6	4.2	36.5	3.0	0.8	37.77x2.62
W12A00360	36.0	43.6	4.2	37.5	3.0	0.8	39.34x2.62
W12B00400	40.0	48.8	6.3	41.5	3.0	0.8	44.12x2.62
W12B00420	42.0	50.8	6.3	43.5	3.0	0.8	45.69x2.62
W12B00450	45.0	53.8	6.3	46.5	3.0	0.8	48.90x2.62
W12B00500	50.0	58.8	6.3	51.5	3.0	0.8	53.64x2.62
W12B00550	55.0	63.8	6.3	56.5	3.0	0.8	58.42x2.62
W12B00560	56.0	64.8	6.3	57.5	3.0	0.8	59.99x2.62
W12B00600	60.0	68.8	6.3	61.5	3.0	0.8	63.17x2.62
W12B00630	63.0	71.8	6.3	64.5	3.0	0.8	66.34x2.62
W12B00650	65.0	73.8	6.3	66.5	3.0	0.8	67.95x2.62
W12C00700	70.0	82.2	8.1	72.0	4.0	1.0	75.79x3.53
W12C00750	75.0	87.2	8.1	76.99	4.0	1.0	78.97x3.53
W12C00800	80.0	92.2	8.1	82.0	4.0	1.0	85.32x3.53
W12C00850	85.0	97.2	8.1	86.99	4.0	1.0	88.49x3.53
W12C00900	90.0	102.2	8.1	92.0	4.0	1.0	94.84x3.53
W12C00950	95.0	107.2	8.1	96.99	4.0	1.0	101.19x3.53
W12C01000	100.0	112.2	8.1	102.0	4.0	1.0	104.37x3.53
W12C01050	105.0	117.2	8.1	106.99	4.0	1.0	110.72x3.53
W12C01100	110.0	122.2	8.1	112.0	4.0	1.0	113.89x3.53
W12C01150	115.0	127.2	8.1	116.99	4.0	1.0	120.24x3.53
W12C01200	120.0	132.2	8.1	122.0	4.0	1.0	123.42x3.53
W12C01250	125.0	137.2	8.1	126.99	4.0	1.0	129.77x3.53
W12C01300	130.0	142.2	8.1	132.0	4.0	1.0	136.12x3.53
W12C01350	135.0	147.2	8.1	136.99	4.0	1.0	139.29x3.53
W12D01400	140.0	156.0	9.5	142.5	5.0	1.5	145.42x5.33
W12D01500	150.0	166.0	9.5	152.5	5.0	1.5	158.12x5.33
W12D01550	155.0	171.0	9.5	157.5	5.0	1.5	158.12x5.33
W12D01600	160.0	176.0	9.5	162.5	5.0	1.5	164.47x5.33
W12D01650	165.0	181.0	9.5	167.5	5.0	1.5	170.82x5.33
W12D01700	170.0	186.0	9.5	172.5	5.0	1.5	177.17x5.33
W12D01750	175.0	191.0	9.5	177.5	5.0	1.5	183.52x5.33
W12D01800	180.0	196.0	9.5	182.5	5.0	1.5	183.52x5.33
W12D01900	190.0	206.0	9.5	192.5	5.0	1.5	196.22x5.33
W12D02000	200.0	216.0	9.5	202.5	5.0	1.5	202.57x5.33
W12D02100	210.0	226.0	9.5	212.5	5.0	1.5	215.27x5.33
W12D02200	220.0	236.0	9.5	222.5	5.0	1.5	228.19x5.33
W12D02300	230.0	246.0	9.5	232.5	5.0	1.5	234.32x5.33
W12D02400	240.0	256.0	9.5	242.5	5.0	1.5	246.99x5.33
W12D02500	250.0	266.0	9.5	252.5	5.0	1.5	253.37x5.33



W12D02600	260.0	276.0	9.5	262.5	5.0	1.5	266.07x5.33
W12D02700	270.0	286.0	9.5	272.5	5.0	1.5	278.77x5.33
W12D02800	280.0	296.0	9.5	282.5	5.0	1.5	291.47x5.33
W12D02900	290.0	306.0	9.5	292.5	5.0	1.5	291.47x5.33
W12D03000	300.0	316.0	9.5	302.5	5.0	1.5	304.17x5.33
W12D03100	310.0	326.0	9.5	312.5	5.0	1.5	304.17x5.33
W12D03200	320.0	336.0	9.5	322.5	5.0	1.5	329.57x5.33
W12D03300	330.0	346.0	9.5	332.5	5.0	1.5	329.57x5.33
W12D03400	340.0	356.0	9.5	342.5	5.0	1.5	354.97x5.33
W12D03500	350.0	366.0	9.5	352.5	5.0	1.5	354.97x5.33
W12D03600	360.0	376.0	9.5	362.5	5.0	1.5	380.37x5.33
W12D03800	380.0	396.0	9.5	382.5	5.0	1.5	380.37x5.33
W12E04000	400.0	424.0	14.0	402.5	8.0	1.5	405.26x6.99
W12E04200	420.0	444.0	14.0	422.5	8.0	1.5	417.96x6.99
W12E04300	430.0	454.0	14.0	432.5	8.0	1.5	443.36x6.99
W12E04400	440.0	464.0	14.0	442.5	8.0	1.5	456.06x6.99
W12E04500	450.0	474.0	14.0	452.5	8.0	1.5	456.07x6.99
W12E04600	460.0	484.0	14.0	462.5	8.0	1.5	468.76x6.99
W12E04800	480.0	504.0	14.0	482.5	8.0	1.5	494.16x6.99
W12E05000	500.0	524.0	14.0	502.5	8.0	1.5	506.86x6.99
W12E05200	520.0	544.0	14.0	522.5	8.0	1.5	532.26x6.99
W12E05400	540.0	564.0	14.0	542.5	8.0	1.5	557.66x6.99
W12E05500	550.0	574.0	14.0	552.5	8.0	1.5	557.66x6.99
W12E05600	560.0	584.0	14.0	562.5	8.0	1.5	582.68x6.99
W12E05800	580.0	604.0	14.0	582.5	8.0	1.5	582.68x6.99
W12E06000	600.0	624.0	14.0	602.5	8.0	1.5	608.08x6.99
W12E06200	620.0	644.0	14.0	622.5	8.0	1.5	633.48x6.99
W12E06300	630.0	654.0	14.0	632.5	8.0	1.5	633.48x6.99
W12E06400	640.0	664.0	14.0	642.5	8.0	1.5	658.88x6.99
W12F06500	650.0	677.3	16.0	652.5	10.0	2.0	650x8.4
W12F06600	660.0	687.3	16.0	662.5	10.0	2.0	660x8.4
W12F06700	670.0	697.3	16.0	672.5	10.0	2.0	670x8.4
W12F06800	680.0	707.3	16.0	682.5	10.0	2.0	680x8.4
W12F07000	700.0	727.3	16.0	702.5	10.0	2.0	700x8.4
W12F07100	710.0	737.3	16.0	712.5	10.0	2.0	710x8.4
W12F07200	720.0	747.3	16.0	722.5	10.0	2.0	720x8.4
W12F07300	730.0	757.3	16.0	732.5	10.0	2.0	730x8.4
W12F07400	740.0	767.3	16.0	742.5	10.0	2.0	740x8.4
W12F07500	750.0	777.3	16.0	752.5	10.0	2.0	750x8.4
W12F07600	760.0	787.3	16.0	762.5	10.0	2.0	760x8.4
W12F07700	770.0	797.3	16.0	772.5	10.0	2.0	775x8.4



W12F07850	785.0	812.3	16.0	782.5	10.0	2.0	785x8.4
W12F07900	790.0	817.3	16.0	792.5	10.0	2.0	790x8.4
W12F08000	800.0	827.3	16.0	802.5	10.0	2.0	800x8.4
W12F08100	810.0	837.3	16.0	812.5	10.0	2.0	810x8.4
W12F08200	820.0	847.3	16.0	822.5	10.0	2.0	820x8.4
W12F08400	840.0	867.3	16.0	842.5	10.0	2.0	840x8.4
W12F08500	850.0	877.3	16.0	852.5	10.0	2.0	850x8.4
W12F08600	860.0	887.3	16.0	862.5	10.0	2.0	860x8.4
W12F08800	880.0	907.3	16.0	882.5	10.0	2.0	880x8.4
W12F09000	900.0	927.3	16.0	902.5	10.0	2.0	910x8.4
W12F09200	920.0	947.3	16.0	922.5	10.0	2.0	930x8.4
W12F09300	930.0	957.3	16.0	932.5	10.0	2.0	940x8.4
W12F09400	940.0	967.3	16.0	942.5	10.0	2.0	950x8.4
W12F09500	950.0	977.3	16.0	952.5	10.0	2.0	960x8.4
W12F09600	960.0	987.3	16.0	962.5	10.0	2.0	970x8.4
W12F09800	980.0	1007.3	16.0	982.5	10.0	2.0	990x8.4
W12F10000	1000.0	1027.3	16.0	1002.5	10.0	2.0	1010x8.4
W12F10400	1040.0	1067.3	16.0	1042.5	10.0	2.0	1050x8.4
W12F10500	1050.0	1077.3	16.0	1052.5	10.0	2.0	1060x8.4
W12F10800	1080.0	1107.3	16.0	1082.5	10.0	2.0	1090x8.4
W12F11000	1100.0	1127.3	16.0	1102.5	10.0	2.0	1110x8.4
W12F11300	1130.0	1157.3	16.0	1132.5	10.0	2.0	1140x8.4
W12F11500	1150.0	1177.3	16.0	1152.5	10.0	2.0	1160x8.4
W12F11800	1180.0	1207.3	16.0	1182.5	10.0	2.0	1190x8.4
W12F12000	1200.0	1227.3	16.0	1202.5	10.0	2.0	1210x8.4
W12F13000	1300.0	1327.3	16.0	1302.5	10.0	2.0	1310x8.4
W12F14000	1400.0	1427.3	16.0	1402.5	10.0	2.0	1410x8.4
W12F15000	1500.0	1527.3	16.0	1502.5	10.0	2.0	1510x8.4
W12F20000	2000.0	2027.3	16.0	2002.5	10.0	2.0	2010x8.4
W12F25000	2500.0	2527.3	16.0	2502.5	10.0	2.0	2510x8.4

注：以上为 W12 标准型的尺寸，所有直径 2500mm 以内的其它尺寸均可供货。

