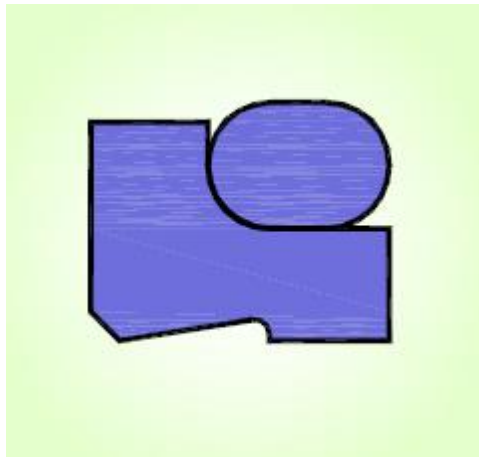


W11 防尘圈



双作用防尘圈



W11 防尘圈

1.说明

W11 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

W11 防尘圈主要应用于往复运动液压系统，推荐用于中载以下的应用场合，比如机床、注塑机、伺服液压油缸和工业液压油缸等。

W11 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，以及宽广的温度适用范围

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：100x108.8x6

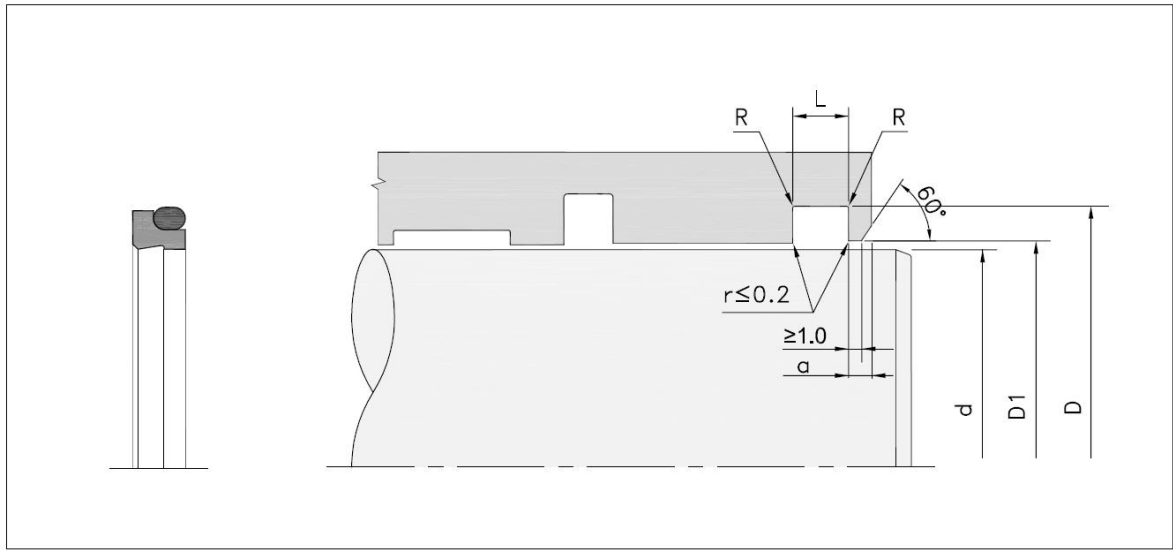
防尘环材料：F013

O 形圈材料：NBR70



订货号	W11	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	6.0~11.9	d+4.8	3.7	d+1.5	2.0	0.4	1.78
B	12.0~64.9	d+6.8	5.0	d+1.5	2.0	0.8	2.62
C	65.0~250.9	d+8.8	6.0	d+1.5	3.0	1.0	3.53
D	251.0~420.9	d+12.2	8.4	d+2.0	4.0	1.5	5.33
E	421.0~650.9	d+16.0	11.0	d+2.0	4.0	1.5	6.99
F	≥651.0	d+20.0	14.0	d+2.5	5.0	2.0	8.40

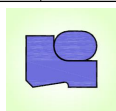


9.规格尺寸表

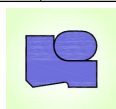
订货号	轴径 d f8/h9	沟槽直径 D H9	沟槽宽度 L ^{+0.2}	敞孔直径 D ₁ H11	敞孔宽度 a _{min}	圆角 R max.	O 形圈尺寸
W11A00040	4.0	8.8	3.7	5.5	2.0	0.4	5.60x1.80
W11A00050	5.0	9.8	3.7	6.5	2.0	0.4	6.70x1.80
W11A00060	6.0	10.8	3.7	7.5	2.0	0.4	7.65x1.78
W11A00080	8.0	12.8	3.7	9.5	2.0	0.4	9.25x1.78
W11A00100	10.0	14.8	3.7	11.5	2.0	0.4	11.20x1.80
W11B00120	12.0	18.8	5.0	13.5	2.0	0.8	13.94x2.62
W11B00140	14.0	20.8	5.0	15.5	2.0	0.8	15.54x2.62
W11B00150	15.0	21.8	5.0	16.5	2.0	0.8	17.12x2.62
W11B00160	16.0	22.8	5.0	17.5	2.0	0.8	18.00x2.65
W11B00180	18.0	24.8	5.0	19.5	2.0	0.8	20.29x2.62
W11B00200	20.0	26.8	5.0	21.5	2.0	0.8	21.89x2.62
W11B00220	22.0	28.8	5.0	23.5	2.0	0.8	23.47x2.62
W11B00250	25.0	31.8	5.0	26.5	2.0	0.8	26.64x2.62
W11B00280	28.0	34.8	5.0	29.5	2.0	0.8	29.82x2.62
W11B00300	30.0	36.8	5.0	31.5	2.0	0.8	31.42x2.62
W11B00320	32.0	38.8	5.0	33.5	2.0	0.8	34.59x2.62
W11B00350	35.0	41.8	5.0	36.5	2.0	0.8	36.17x2.62
W11B00360	36.0	42.8	5.0	37.5	2.0	0.8	37.77x2.62
W11B00400	40.0	46.8	5.0	41.5	2.0	0.8	39.34x2.62
W11B00420	42.0	48.8	5.0	43.5	2.0	0.8	42.52x2.62
W11B00450	45.0	51.8	5.0	46.5	2.0	0.8	47.29x2.62
W11B00500	50.0	56.8	5.0	51.5	2.0	0.8	52.07x2.62
W11B00550	55.0	61.8	5.0	56.5	2.0	0.8	56.82x2.62
W11B00560	56.0	62.8	5.0	57.5	2.0	0.8	58.42x2.62
W11B00600	60.0	66.8	5.0	61.5	2.0	0.8	61.60x2.62
W11B00630	63.0	69.8	5.0	64.5	2.0	0.8	64.77x2.62
W11C00650	65.0	73.8	6.0	66.5	3.0	1.0	69.44x3.53
W11C00700	70.0	78.8	6.0	71.5	3.0	1.0	72.62x3.53
W11C00750	75.0	83.8	6.0	76.5	3.0	1.0	78.97x3.53
W11C00800	80.0	88.8	6.0	81.5	3.0	1.0	82.14x3.53
W11C00850	85.0	93.8	6.0	86.5	3.0	1.0	88.49x3.53
W11C00900	90.0	98.8	6.0	91.5	3.0	1.0	94.84x3.53
W11C00950	95.0	103.8	6.0	96.5	3.0	1.0	98.02x3.53
W11C01000	100.0	108.8	6.0	101.5	3.0	1.0	104.37x3.53
W11C01050	105.0	113.8	6.0	106.5	3.0	1.0	107.54x3.53
W11C01100	110.0	118.8	6.0	111.5	3.0	1.0	113.89x3.53
W11C01150	115.0	123.9	6.0	116.5	3.0	1.0	116.99x3.53



W11C01200	120.0	128.8	6.0	121.5	3.0	1.0	123.42x3.53
W11C01250	125.0	133.8	6.0	126.5	3.0	1.0	129.77x3.53
W11C01300	130.0	138.8	6.0	131.5	3.0	1.0	132.94x3.53
W11C01350	135.0	143.8	6.0	136.5	3.0	1.0	139.29x3.53
W11C01400	140.0	148.8	6.0	141.5	3.0	1.0	142.47x3.53
W11C01450	145.0	153.8	6.0	146.5	3.0	1.0	148.82x3.53
W11C01500	150.0	158.8	6.0	151.5	3.0	1.0	158.34x3.53
W11C01600	160.0	168.8	6.0	161.5	3.0	1.0	164.69x3.53
W11C01700	170.0	178.8	6.0	171.5	3.0	1.0	177.39x3.53
W11C01800	180.0	188.8	6.0	181.5	3.0	1.0	183.74x3.53
W11C01900	190.0	198.8	6.0	191.5	3.0	1.0	196.44x3.53
W11C02000	200.0	208.8	6.0	201.5	3.0	1.0	202.79x3.53
W11C0210	210.0	218.8	6.0	211.5	3.0	1.0	215.49x3.53
W11C02200	220.0	228.8	6.0	221.5	3.0	1.0	228.19x3.53
W11C02300	230.0	238.8	6.0	231.5	3.0	1.0	234.54x3.53
W11C02400	240.0	248.8	6.0	241.5	3.0	1.0	247.24x3.53
W11C02500	250.0	258.8	6.0	251.5	3.0	1.0	253.58x3.53
W11D02600	260.0	272.2	8.4	262.0	4.0	1.5	266.07x5.33
W11D02700	270.0	282.2	8.4	272.0	4.0	1.5	278.77x5.33
W11D02800	280.0	292.2	8.4	282.0	4.0	1.5	291.47x5.33
W11D02900	290.0	302.2	8.4	292.0	4.0	1.5	304.17x5.33
W11D03000	300.0	312.2	8.4	302.0	4.0	1.5	304.17x5.33
W11D03100	310.0	322.2	8.4	312.0	4.0	1.5	304.17x5.33
W11D03200	320.0	332.2	8.4	322.0	4.0	1.5	329.57x5.33
W11D03300	330.0	342.2	8.4	332.0	4.0	1.5	329.57x5.33
W11D03400	340.0	352.2	8.4	342.0	4.0	1.5	329.57x5.33
W11D03500	350.0	362.2	8.4	352.0	4.0	1.5	354.97x5.33
W11D03600	360.0	372.2	8.4	362.0	4.0	1.5	354.97x5.33
W11D03700	370.0	382.2	8.4	372.0	4.0	1.5	380.37x5.33
W11D03800	380.0	392.2	8.4	382.0	4.0	1.5	380.37x5.33
W11D03900	390.0	402.2	8.4	392.0	4.0	1.5	405.26x5.33
W11D04000	400.0	412.2	8.4	402.0	4.0	1.5	405.26x5.33
W11D04100	410.0	422.2	8.4	412.0	4.0	1.5	405.26x5.33
W11D04200	420.0	432.2	8.4	422.0	4.0	1.5	430.66x5.33
W11E04300	430.0	446.0	11.0	432.0	4.0	1.5	443.36x6.99
W11E04400	440.0	456.0	11.0	442.0	4.0	1.5	456.26x6.99
W11E04500	450.0	466.0	11.0	452.0	4.0	1.5	456.26x6.99
W11E04600	460.0	476.0	11.0	462.0	4.0	1.5	468.76x6.99
W11E04700	470.0	486.0	11.0	472.0	4.0	1.5	481.46x6.99
W11E04800	480.0	496.0	11.0	482.0	4.0	1.5	494.16x6.99
W11E04900	490.0	506.0	11.0	492.0	4.0	1.5	506.86x6.99



W11E05000	500.0	516.0	11.0	502.0	4.0	1.5	506.86x6.99
W11E05100	510.0	526.0	11.0	512.0	4.0	1.5	506.86x6.99
W11E05200	520.0	536.0	11.0	522.0	4.0	1.5	532.26x6.99
W11E05300	530.0	546.0	11.0	532.0	4.0	1.5	532.26x6.99
W11E05400	540.0	556.0	11.0	542.0	4.0	1.5	557.66x6.99
W11E05500	550.0	566.0	11.0	552.0	4.0	1.5	557.66x6.99
W11E05600	560.0	576.0	11.0	562.0	4.0	1.5	557.66x6.99
W11E05700	570.0	586.0	11.0	572.0	4.0	1.5	582.68x6.99
W11E05800	580.0	596.0	11.0	582.0	4.0	1.5	582.68x6.99
W11E05900	590.0	606.0	11.0	592.0	4.0	1.5	582.68x6.99
W11E06000	600.0	616.0	11.0	602.0	4.0	1.5	608.08x6.99
W11E06100	610.0	626.0	11.0	612.0	4.0	1.5	608.08x6.99
W11E06200	620.0	636.0	11.0	622.0	4.0	1.5	633.48x6.99
W11E06300	630.0	646.0	11.0	632.0	4.0	1.5	633.48x6.99
W11E06400	640.0	656.0	11.0	642.0	4.0	1.5	633.48x6.99
W11E06500	650.0	666.0	11.0	652.0	4.0	1.5	658.88x6.99
W11F06600	660.0	680.0	14.0	662.5	5.0	2.0	670x8.4
W11F06700	670.0	690.0	14.0	672.5	5.0	2.0	670x8.4
W11F06800	680.0	700.0	14.0	682.5	5.0	2.0	690x8.4
W11F06900	690.0	710.0	14.0	692.5	5.0	2.0	690x8.4
W11F07000	700.0	720.0	14.0	702.5	5.0	2.0	700x8.4
W11F07100	710.0	730.0	14.0	712.5	5.0	2.0	710x8.4
W11F07200	720.0	740.0	14.0	722.5	5.0	2.0	720x8.4
W11F07300	730.0	750.0	14.0	732.5	5.0	2.0	730x8.4
W11F07400	740.0	760.0	14.0	742.5	5.0	2.0	740x8.4
W11F07500	750.0	770.0	14.0	752.5	5.0	2.0	750x8.4
W11F07600	760.0	780.0	14.0	762.5	5.0	2.0	760x8.4
W11F07700	770.0	790.0	14.0	772.5	5.0	2.0	770x8.4
W11F07800	780.0	800.0	14.0	782.5	5.0	2.0	780x8.4
W11F07900	790.0	810.0	14.0	792.5	5.0	2.0	790x8.4
W11F08000	800.0	820.0	14.0	802.5	5.0	2.0	800x8.4
W11F08100	810.0	830.0	14.0	812.5	5.0	2.0	810x8.4
W11F08200	820.0	840.0	14.0	822.5	5.0	2.0	820x8.4
W11F08280	828.0	848.0	14.0	830.5	5.0	2.0	830x8.4
W11F08400	840.0	860.0	14.0	842.5	5.0	2.0	840x8.4
W11F08500	850.0	870.0	14.0	852.5	5.0	2.0	850x8.4
W11F08600	860.0	880.0	14.0	862.5	5.0	2.0	860x8.4
W11F08700	870.0	890.0	14.0	872.5	5.0	2.0	870x8.4
W11F08800	880.0	900.0	14.0	882.5	5.0	2.0	888x8.4
W11F09000	900.0	920.0	14.0	902.5	5.0	2.0	905x8.4
W11F09200	920.0	940.0	14.0	922.5	5.0	2.0	925x8.4



W11F09500	950.0	970.0	14.0	952.5	5.0	2.0	960x8.4
W11F09600	960.0	980.0	14.0	962.5	5.0	2.0	965x8.4
W11F09800	980.0	1000.0	14.0	982.5	5.0	2.0	985x8.4
W11F10000	1000.0	1020.0	14.0	1002.5	5.0	2.0	1000x8.4
W11F10300	1030.0	1050.0	14.0	1032.5	5.0	2.0	1035x8.4
W11F10500	1050.0	1070.0	14.0	1052.5	5.0	2.0	1055x8.4
W11F10800	1080.0	1100.0	14.0	1082.5	5.0	2.0	1085x8.4
W11F11000	1100.0	1120.0	14.0	1102.5	5.0	2.0	1105x8.4
W11F11500	1150.0	1170.0	14.0	1152.5	5.0	2.0	1155x8.4
W11F11800	1180.0	1200.0	14.0	1182.5	5.0	2.0	1185x8.4
W11F12000	1200.0	1220.0	14.0	1202.5	5.0	2.0	1205x8.4
W11F13000	1300.0	1320.0	14.0	1302.5	5.0	2.0	1305x8.4
W11F14000	1400.0	1420.0	14.0	1402.5	5.0	2.0	1405x8.4
W11F15000	1500.0	1520.0	14.0	1502.5	5.0	2.0	1505x8.4
W11F20000	2000.0	2020.0	14.0	2002.5	5.0	2.0	2005x8.4
W11F25000	2500.0	2520.0	14.0	2502.5	5.0	2.0	2505x8.4

注：以上为 W11 标准型的尺寸，所有直径 2500mm 以内的其它尺寸均可供货。

