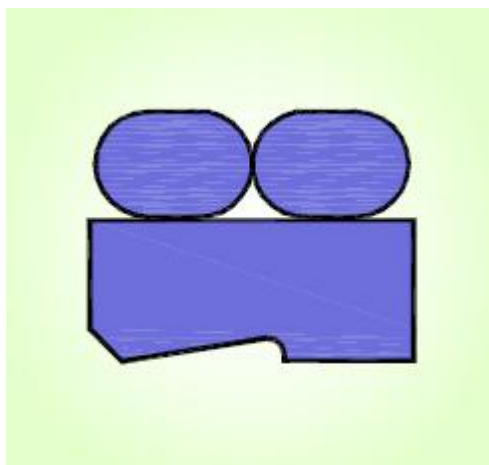


W14 防尘圈



双作用防尘圈



W14 防尘圈

1.说明

W14 防尘圈是由一个填充聚四氟乙烯防尘环和两个 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

W14 防尘圈主要应用于往复运动液压系统。相比 W11 和 W12 防尘圈，W14 防尘圈有两个 O 形圈作为施力元件，并且截面高度更小，因此密封性能更好，对活塞杆径向偏载的补偿能力更强。推荐应用于机床、注塑机、伺服液压油缸和工业液压油缸等。

W14 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

W14

C

01000 - F013

N

型号

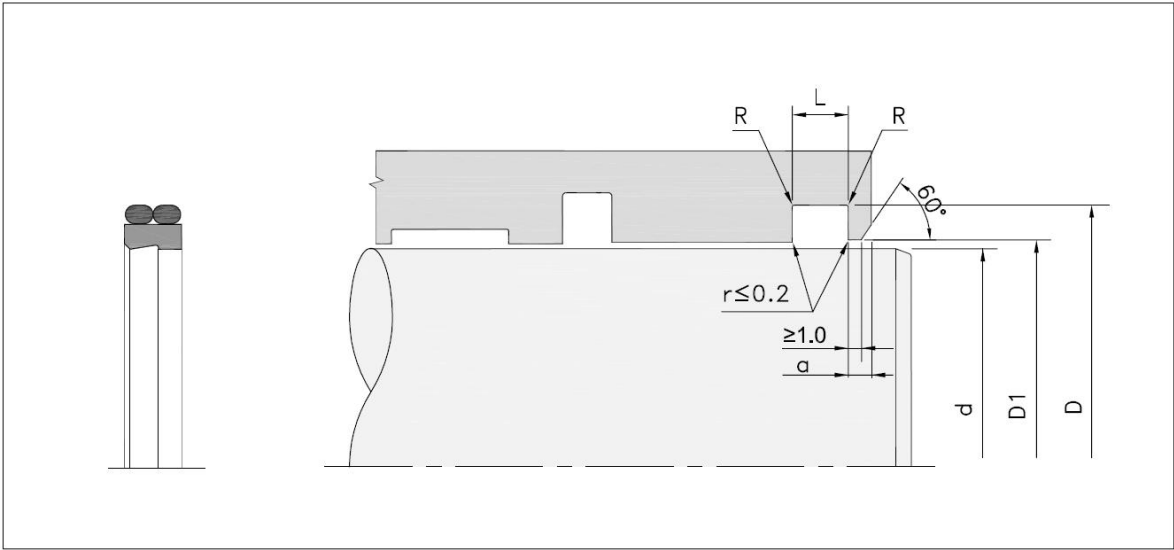
系列号

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+1.0	3.0	0.4	1.78
B	40.0~69.9	d+8.8	6.3	d+1.5	3.0	1.0	2.62
C	70.0~139.9	d+12.2	8.1	d+2.0	4.0	1.2	3.53
D	140.0~399.9	d+16.0	11.5	d+2.0	5.0	2.0	5.33
E	400.0~649.9	d+24.0	15.5	d+2.5	8.0	2.5	6.99
F	≥650.0	d+27.3	18.0	d+2.5	10.0	2.5	8.40

10.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
W14A00200	20.0	27.6	4.2	21.0	3.0	0.4	21.95x1.78
W14A00220	22.0	29.6	4.2	23.0	3.0	0.4	25.12x1.78
W14A00250	25.0	32.6	4.2	26.0	3.0	0.4	28.30x1.78
W14A00280	28.0	35.6	4.2	29.0	3.0	0.4	29.87x1.78
W14A00300	30.0	37.6	4.2	31.0	3.0	0.4	33.05x1.78
W14A00320	32.0	39.6	4.2	33.0	3.0	0.4	34.65x1.78



W14A00350	35.0	42.6	4.2	36.0	3.0	0.4	37.82x1.78
W14A00360	36.0	43.6	4.2	36.99	3.0	0.4	37.82x1.78
W14B00400	40.0	48.8	6.3	41.5	3.0	1.0	44.12x2.62
W14B00420	42.0	50.8	6.3	43.5	3.0	1.0	45.69x2.62
W14B00450	45.0	53.8	6.3	46.5	3.0	1.0	48.90x2.62
W14B00500	50.0	58.8	6.3	51.5	3.0	1.0	53.64x2.62
W14B00550	55.0	63.8	6.3	56.5	3.0	1.0	58.42x2.62
W14B00560	56.0	64.8	6.3	57.5	3.0	1.0	59.99x2.62
W14B00600	60.0	68.8	6.3	61.5	3.0	1.0	63.17x2.62
W14B00630	63.0	71.8	6.3	64.5	3.0	1.0	66.34x2.62
W14B00650	65.0	73.8	6.3	66.5	3.0	1.0	67.95x2.62
W14C00700	70.0	82.2	8.1	72.0	4.0	1.2	75.79x3.53
W14C00750	75.0	87.2	8.1	76.99	4.0	1.2	78.97x3.53
W14C00800	80.0	92.2	8.1	82.0	4.0	1.2	85.32x3.53
W14C00850	85.0	97.2	8.1	86.99	4.0	1.2	88.49x3.53
W14C00900	90.0	102.2	8.1	92.0	4.0	1.2	94.84x3.53
W14C00950	95.0	107.2	8.1	96.99	4.0	1.2	101.19x3.53
W14C01000	100.0	112.2	8.1	102.0	4.0	1.2	104.37x3.53
W14C01050	105.0	117.2	8.1	106.99	4.0	1.2	110.72x3.53
W14C01100	110.0	122.2	8.1	112.0	4.0	1.2	113.89x3.53
W14C01150	115.0	127.2	8.1	116.99	4.0	1.2	120.24x3.53
W14C01200	120.0	132.2	8.1	122.0	4.0	1.2	123.42x3.53
W14C01250	125.0	137.2	8.1	126.99	4.0	1.2	129.77x3.53
W14C01300	130.0	142.2	8.1	132.0	4.0	1.2	136.12x3.53
W14C01350	135.0	147.2	8.1	136.99	4.0	1.2	139.29x3.53
W14D01400	140.0	156.0	11.5	142.0	5.0	2.0	145.42x5.33
W14D01500	150.0	166.0	11.5	152.0	5.0	2.0	158.12x5.33
W14D01550	155.0	171.0	11.5	156.99	5.0	2.0	158.12x5.33
W14D01600	160.0	176.0	11.5	162.0	5.0	2.0	164.47x5.33
W14D01650	165.0	181.0	11.5	166.99	5.0	2.0	170.82x5.33
W14D01700	170.0	186.0	11.5	172.0	5.0	2.0	177.17x5.33
W14D01750	175.0	191.0	11.5	176.99	5.0	2.0	183.52x5.33
W14D01800	180.0	196.0	11.5	182.0	5.0	2.0	183.52x5.33
W14D01900	190.0	206.0	11.5	192.0	5.0	2.0	196.22x5.33
W14D02000	200.0	216.0	11.5	202.0	5.0	2.0	202.57x5.33
W14D02100	210.0	226.0	11.5	212.0	5.0	2.0	215.27x5.33
W14D02200	220.0	236.0	11.5	222.0	5.0	2.0	228.19x5.33
W14D02300	230.0	246.0	11.5	232.0	5.0	2.0	234.32x5.33
W14D02400	240.0	256.0	11.5	242.0	5.0	2.0	246.99x5.33
W14D02500	250.0	266.0	11.5	252.0	5.0	2.0	253.37x5.33
W14D02600	260.0	276.0	11.5	262.0	5.0	2.0	266.07x5.33
W14D02700	270.0	286.0	11.5	272.0	5.0	2.0	278.77x5.33



W14D02800	280.0	296.0	11.5	282.0	5.0	2.0	291.47x5.33
W14D02900	290.0	306.0	11.5	292.0	5.0	2.0	291.47x5.33
W14D03000	300.0	316.0	11.5	302.0	5.0	2.0	304.17x5.33
W14D03100	310.0	326.0	11.5	312.0	5.0	2.0	304.17x5.33
W14D03200	320.0	336.0	11.5	322.0	5.0	2.0	329.57x5.33
W14D03300	330.0	346.0	11.5	332.0	5.0	2.0	329.57x5.33
W14D03400	340.0	356.0	11.5	342.0	5.0	2.0	354.97x5.33
W14D03500	350.0	366.0	11.5	352.0	5.0	2.0	354.97x5.33
W14D03600	360.0	376.0	11.5	362.0	5.0	2.0	380.37x5.33
W14D03800	380.0	396.0	11.5	382.0	5.0	2.0	380.37x5.33
W14E04000	400.0	424.0	15.5	402.5	8.0	2.5	405.26x6.99
W14E04200	420.0	444.0	15.5	422.5	8.0	2.5	417.96x6.99
W14E04300	430.0	454.0	15.5	432.5	8.0	2.5	443.36x6.99
W14E04400	440.0	464.0	15.5	442.5	8.0	2.5	456.06x6.99
W14E04500	450.0	474.0	15.5	452.5	8.0	2.5	456.07x6.99
W14E04600	460.0	484.0	15.5	462.5	8.0	2.5	468.76x6.99
W14E04800	480.0	504.0	15.5	482.5	8.0	2.5	494.16x6.99
W14E05000	500.0	524.0	15.5	502.5	8.0	2.5	506.86x6.99
W14E05200	520.0	544.0	15.5	522.5	8.0	2.5	532.26x6.99
W14E05400	540.0	564.0	15.5	542.5	8.0	2.5	557.66x6.99
W14E05500	550.0	574.0	15.5	552.5	8.0	2.5	557.66x6.99
W14E05600	560.0	584.0	15.5	562.5	8.0	2.5	582.68x6.99
W14E05800	580.0	604.0	15.5	582.5	8.0	2.5	582.68x6.99
W14E06000	600.0	624.0	15.5	602.5	8.0	2.5	608.08x6.99
W14E06200	620.0	644.0	15.5	622.5	8.0	2.5	633.48x6.99
W14E06300	630.0	654.0	15.5	632.5	8.0	2.5	633.48x6.99
W14E06400	640.0	664.0	15.5	642.5	8.0	2.5	658.88x6.99
W14F06500	650.0	677.3	18.0	652.5	10.0	2.5	650x8.4
W14F06600	660.0	687.3	18.0	662.5	10.0	2.5	660x8.4
W14F06700	670.0	697.3	18.0	672.5	10.0	2.5	670x8.4
W14F06800	680.0	707.3	18.0	682.5	10.0	2.5	680x8.4
W14F07000	700.0	727.3	18.0	702.5	10.0	2.5	700x8.4
W14F07100	710.0	737.3	18.0	712.5	10.0	2.5	710x8.4
W14F07200	720.0	747.3	18.0	722.5	10.0	2.5	720x8.4
W14F07300	730.0	757.3	18.0	732.5	10.0	2.5	730x8.4
W14F07400	740.0	767.3	18.0	742.5	10.0	2.5	740x8.4
W14F07500	750.0	777.3	18.0	752.5	10.0	2.5	750x8.4
W14F07600	760.0	787.3	18.0	762.5	10.0	2.5	760x8.4
W14F07700	770.0	797.3	18.0	772.5	10.0	2.5	775x8.4
W14F07850	785.0	812.3	18.0	787.5	10.0	2.5	790x8.4
W14F07900	790.0	817.3	18.0	792.5	10.0	2.5	790x8.4
W14F08000	800.0	827.3	18.0	802.5	10.0	2.5	800x8.4



W14F08100	810.0	837.3	18.0	812.5	10.0	2.5	810x8.4
W14F08200	820.0	847.3	18.0	822.5	10.0	2.5	820x8.4
W14F08400	840.0	867.3	18.0	842.5	10.0	2.5	840x8.4
W14F08500	850.0	877.3	18.0	852.5	10.0	2.5	850x8.4
W14F08600	860.0	887.3	18.0	862.5	10.0	2.5	860x8.4
W14F08800	880.0	917.3	18.0	882.5	10.0	2.5	880x8.4
W14F09000	900.0	927.3	18.0	902.5	10.0	2.5	910x8.4
W14F09200	920.0	947.3	18.0	922.5	10.0	2.5	930x8.4
W14F09300	930.0	957.3	18.0	932.5	10.0	2.5	940x8.4
W14F09400	940.0	967.3	18.0	942.5	10.0	2.5	950x8.4
W14F09500	950.0	977.3	18.0	952.5	10.0	2.5	960x8.4
W14F09600	960.0	987.3	18.0	962.5	10.0	2.5	970x8.4
W14F09800	980.0	1007.3	18.0	982.5	10.0	2.5	990x8.4
W14F10000	1000.0	1027.3	18.0	1002.5	10.0	2.5	1010x8.4
W14F10400	1040.0	1067.3	18.0	1042.5	10.0	2.5	1050x8.4
W14F10500	1050.0	1077.3	18.0	1052.5	10.0	2.5	1060x8.4
W14F01080	1080.0	1107.3	18.0	1082.5	10.0	2.5	1090x8.4
W14F11000	1100.0	1127.3	18.0	1102.5	10.0	2.5	1110x8.4
W14 11300	1130.0	1157.3	18.0	1132.5	10.0	2.5	1140x8.4
W14F11500	1150.0	1177.3	18.0	1152.5	10.0	2.5	1160x8.4
W14F11800	1180.0	1207.3	18.0	1182.5	10.0	2.5	1190x8.4
W14F12000	1200.0	1227.3	18.0	1202.5	10.0	2.5	1210x8.4
W14F13000	1300.0	1327.3	18.0	1302.5	10.0	2.5	1310x8.4
W14F14000	1400.0	1427.3	18.0	1402.5	10.0	2.5	1410x8.4
W14F15000	1500.0	1527.3	18.0	1502.5	10.0	2.5	1510x8.4
W14F20000	2000.0	2027.3	18.0	2002.5	10.0	2.5	2010x8.4
W14F25000	2500.0	2527.3	18.0	2502.5	10.0	2.5	2510x8.4

注：以上为 W14 标准型的尺寸，所有直径 2500mm 以内的其它尺寸均可供货。

