

# SWF TYPE (Inch Standard)

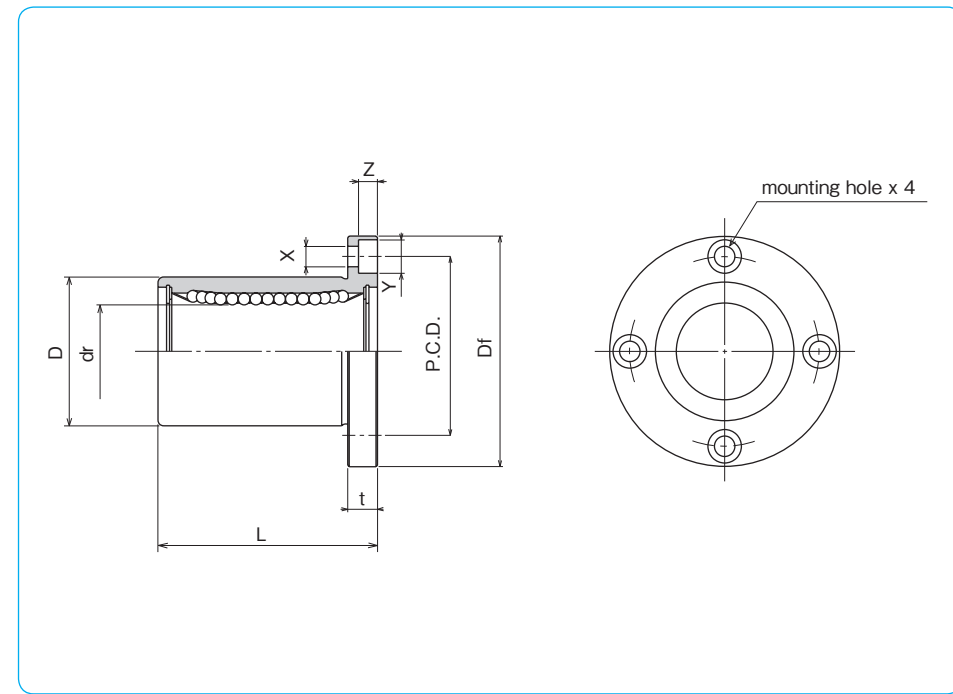
– Round Flange Type –



## part number structure

example **SWSF 16 G UU-SK**

specification <b>SWF</b> : standard <b>SWSF</b> : anti-corrosion	size	retainer material <b>blank</b> : standard/steel anti-corrosion/stainless steel <b>G</b> : resin	outer cylinder surface treatment <b>blank</b> : no surface treatment <b>SK</b> : electroless nickel plating <b>LF</b> : low temperature black chrome treatment with fluoride coating <b>SB</b> : black oxide (not available on anti-corrosion type) <b>SC</b> : industrial chrome plating	seal <b>blank</b> : without seal <b>UU</b> : seals on both sides
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part number				number of ball circuits	major dimensions		
standard		anti-corrosion			dr		L ±0.012 (±0.3) inch/(mm)
steel retainer	resin retainer	stainless retainer	resin retainer		inch (mm)	tolerance inch/(μm)	
<b>SWF 4</b>	<b>SWF 4G</b>	<b>SWSF 4</b>	<b>SWSF 4G</b>	4	.2500 (6.350)	<sup>0</sup> / <sub>-.00050 (-13)</sub>	.7500 (19.050)
<b>SWF 6</b>	<b>SWF 6G</b>	<b>SWSF 6</b>	<b>SWSF 6G</b>	4	.3750 (9.525)	<sup>0</sup> / <sub>-.00040 (-9)</sub>	.8750 (22.225)
<b>SWF 8</b>	<b>SWF 8G</b>	<b>SWSF 8</b>	<b>SWSF 8G</b>	4	.5000 (12.700)	<sup>0</sup> / <sub>-.00065 (-16)</sub>	1.2500 (31.750)
<b>SWF10</b>	<b>SWF10G</b>	<b>SWSF10</b>	<b>SWSF10G</b>	4	.6250 (15.875)	<sup>0</sup> / <sub>-.00075 (-19)</sub>	1.5000 (38.100)
<b>SWF12</b>	<b>SWF12G</b>	<b>SWSF12</b>	<b>SWSF12G</b>	5	.7500 (19.050)	<sup>0</sup> / <sub>-.00075 (-19)</sub>	1.6250 (41.275)
<b>SWF16</b>	<b>SWF16G</b>	<b>SWSF16</b>	<b>SWSF16G</b>	6	1.0000 (25.400)	<sup>0</sup> / <sub>-.00090 (-22)</sub>	2.2500 (57.150)
<b>SWF20</b>	<b>SWF20G</b>	<b>SWSF20</b>	<b>SWSF20G</b>	6	1.2500 (31.750)	<sup>0</sup> / <sub>-.00100 (-25)</sub>	2.6250 (66.675)
<b>SWF24</b>	<b>SWF24G</b>	<b>SWSF24</b>	<b>SWSF24G</b>	6	1.5000 (38.100)	<sup>0</sup> / <sub>-.00115 (-29)</sub>	3.0000 (76.200)
<b>SWF32</b>	<b>SWF32G</b>	<b>SWSF32</b>	<b>SWSF32G</b>	6	2.0000 (50.800)	<sup>0</sup> / <sub>-.00120 (-30)</sub>	4.0000 (101.600)
<b>SWF40</b>	–	–	–	6	2.5000 (63.500)	<sup>0</sup> / <sub>-.00120 (-30)</sub>	5.0000 (127.000)
<b>SWF48</b>	–	–	–	6	3.0000 (76.200)	<sup>0</sup> / <sub>-.00120 (-30)</sub>	6.0000 (152.400)
<b>SWF64</b>	–	–	–	6	4.0000 (101.600)	<sup>0</sup> / <sub>-.00120 (-30)</sub>	8.0000 (203.200)

Df inch/(mm)	t inch/(mm)	flange		eccentricity inch (μm)	perpendicularity inch (μm)	basic load rating		mass g	shaft diameter inch (mm)
		P.C.D. inch/(mm)	X × Y × Z inch/(mm)			dynamic C N	static Co N		
1.2500 (31.750)	.2187 (5.556)	.8750 (22.225)	.1560 × .2500 × .1410 (3.969 × 6.350 × 3.572)	.0005 (12)	.0005 (12)	206	265	32	1/4 (6.350)
1.5000 (38.100)	.2500 (6.350)	1.0620 (26.988)	.1875 × .2970 × .1720 (4.763 × 7.541 × 4.366)			225	314	47	3/8 (9.525)
1.7500 (44.450)	.2500 (6.350)	1.312 (33.338)	.1875 × .2970 × .1720 (4.763 × 7.541 × 4.366)			510	784	88	1/2 (12.700)
2.0000 (50.800)	.2500 (6.350)	1.5620 (39.688)	.1875 × .2970 × .1720 (4.763 × 7.541 × 4.366)			774	1,180	140	5/8 (15.875)
2.1875 (55.563)	.3125 (7.938)	1.7180 (43.660)	.2187 × .3440 × .2030 (5.556 × 8.731 × 5.159)	.0006 (15)	.0006 (15)	862	1,370	190	3/4 (19.050)
2.5000 (63.500)	.3125 (7.938)	2.0310 (51.594)	.2187 × .3440 × .2030 (5.556 × 8.731 × 5.159)			980	1,570	325	1 (25.400)
3.1250 (79.375)	.3750 (9.525)	2.5625 (65.088)	.2812 × .4060 × .2656 (7.144 × 10.319 × 6.747)			1,570	2,740	665	1-1/4 (31.750)
3.7500 (95.250)	.5000 (12.700)	3.0625 (77.788)	.3440 × .5000 × .3280 (8.731 × 12.700 × 8.334)	.0008 (20)	.0008 (20)	2,180	4,020	1,100	1-1/2 (38.100)
4.3750 (111.125)	.5000 (12.700)	3.6875 (93.662)	.3440 × .5000 × .3280 (8.731 × 12.700 × 8.334)			3,820	7,940	1,760	2 (50.800)
5.3750 (136.525)	.7500 (19.050)	4.5625 (115.887)	.4062 × .6250 × .3750 (10.319 × 15.875 × 9.525)	.0010 (25)	.0010 (25)	4,700	10,000	3,570	2-1/2 (63.500)
6.1250 (155.575)	.7500 (19.050)	5.3125 (134.937)	.4062 × .6250 × .3750 (10.319 × 15.875 × 9.525)			7,350	16,000	5,600	3 (76.200)
8.0000 (203.200)	.8750 (22.225)	7.0000 (177.800)	.5000 × .7125 × .5000 (12.700 × 18.097 × 12.700)			14,100	34,800	12,000	4 (101.600)

1N ≅ 0.225lbf 1kg ≅ 2.205lbf

# SWF-W TYPE (Inch Standard)

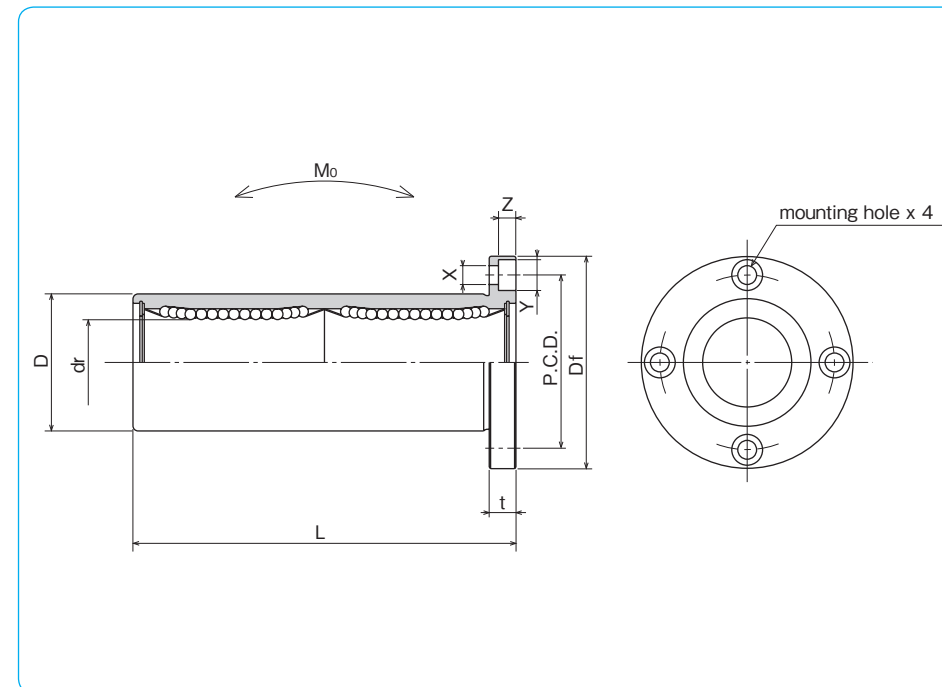
– Round Flange Double-Wide Type –



## part number structure

example **SWSF 16 G W UU -SK**

specification <b>SWF</b> : standard <b>SWSF</b> : anti-corrosion	size	retainer material <b>blank</b> : standard/steel anti-corrosion/stainless steel <b>G</b> : resin	outer cylinder surface treatment <b>blank</b> : no surface treatment <b>SK</b> : electroless nickel plating <b>LF</b> : low temperature black chrome treatment with fluoride coating <b>SB</b> : black oxide (not available on anti-corrosion type) <b>SC</b> : industrial chrome plating	seal <b>blank</b> : without seal <b>UU</b> : seals on both sides	double-wide type
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part number				number of ball circuits	major dimensions				
standard steel retainer	resin retainer	anti-corrosion stainless retainer	resin retainer		dr inch (mm) tolerance inch/(μm)	D inch (mm) tolerance inch/(μm)	L ±.012 (±0.3) inch (mm)		
SWF 4W	SWF 4GW	SWSF 4W	SWSF 4GW	4	.2500 (6.350)	.5000 (12.700)	1.3750 (34.925)		
SWF 6W	SWF 6GW	SWSF 6W	SWSF 6GW	4	.3750 (9.525)	.6250 (15.875)	1.5938 (40.481)		
SWF 8W	SWF 8GW	SWSF 8W	SWSF 8GW	4	.5000 (12.700)	.8750 (22.225)	2.3750 (60.325)		
SWF10W	SWF10GW	SWSF10W	SWSF10GW	4	.6250 (15.875)	1.1250 (28.575)	2.8125 (71.438)		
SWF12W	SWF12GW	SWSF12W	SWSF12GW	5	.7500 (19.050)	1.2500 (31.750)	3.0937 (78.581)		
SWF16W	SWF16GW	SWSF16W	SWSF16GW	6	1.0000 (25.400)	1.5625 (39.688)	4.2813 (108.744)		
SWF20W	SWF20GW	SWSF20W	SWSF20GW	6	1.2500 (31.750)	2.0000 (50.800)	5.0000 (127.000)		
SWF24W	SWF24GW	SWSF24W	SWSF24GW	6	1.5000 (38.100)	2.3750 (60.325)	5.6875 (144.463)		
SWF32W	SWF32GW	SWSF32W	SWSF32GW	6	2.0000 (50.800)	3.0000 (76.200)	7.7500 (196.850)		

flange				eccentricity inch (μm)	perpendicularity inch (μm)	basic load rating		allowable static moment Mo N·m	mass g	shaft diameter inch (mm)
Df inch (mm)	t inch (mm)	P.C.D. inch (mm)	X×Y×Z inch (mm)			dynamic C N	static Co N			
1.2500 (31.750)	.2187 (5.556)	.8750 (22.225)	.1563×.2500×.1406 (3.969×6.350×3.572)	.0006 (15)	.0006 (15)	323	530	2.0	40	1/4 (6.350)
1.5000 (38.100)	.2500 (6.350)	1.0625 (26.988)	.1875×.2969×.1719 (4.763×7.541×4.366)			353	630	2.7	60	3/8 (9.525)
1.7500 (44.450)	.2500 (6.350)	1.3125 (33.338)	.1875×.2969×.1719 (4.763×7.541×4.366)			813	1,570	11.5	126	1/2 (12.700)
2.0000 (50.800)	.2500 (6.350)	1.5625 (39.688)	.1875×.2969×.1719 (4.763×7.541×4.366)			1,230	2,350	20.0	215	5/8 (15.875)
2.1875 (55.563)	.3125 (7.938)	1.7188 (43.656)	.2188×.3438×.2031 (5.556×8.731×5.159)	.0008 (20)	.0008 (20)	1,370	2,740	26.5	280	3/4 (19.050)
2.5000 (63.500)	.3125 (7.938)	2.0313 (51.594)	.2188×.3438×.2031 (5.556×8.731×5.159)			1,570	3,140	41.2	515	1 (25.400)
3.1250 (79.375)	.3750 (9.525)	2.5625 (65.088)	.2813×.4063×.2656 (7.144×10.319×6.747)	.0010 (25)	.0010 (25)	2,500	5,490	84.8	1,020	1-1/4 (31.750)
3.7500 (95.250)	.5000 (12.700)	3.0625 (77.788)	.3437×.5000×.3281 (8.731×12.700×8.334)			3,430	8,040	143	1,630	1-1/2 (38.100)
4.3750 (111.125)	.5000 (12.700)	3.6875 (93.662)	.3437×.5000×.3281 (8.731×12.700×8.334)	.0012 (30)	.0012 (30)	6,080	15,900	399	2,800	2 (50.800)

1N≒0.225lbf 1N·m≒0.738lb·ft  
1kg≒2.205lbs