

SWK TYPE (Inch Standard)

— Square Flange Type —



part number structure

example **SWSK 16 G UU-SK**

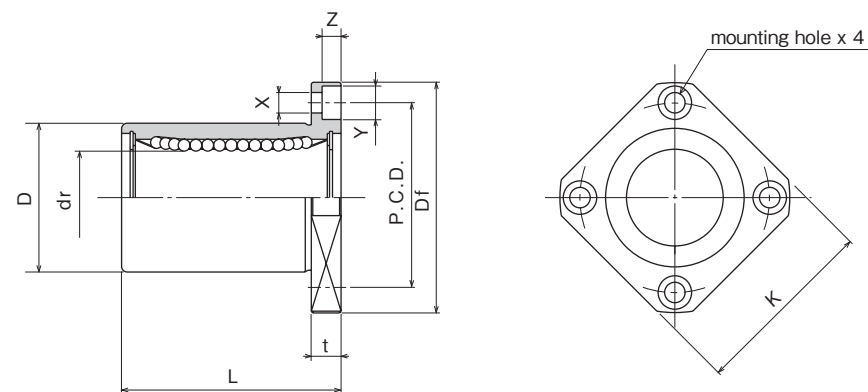
specification
SWK: standard
SWSK: anti-corrosion

size

retainer material
blank: standard/steel
 anti-corrosion/stainless steel
G: resin

outer cylinder
 surface treatment
blank: no surface treatment
SK: electroless nickel plating
LF: low temperature black chrome
 treatment with fluoride coating
SB: black oxide (not available on
 anti-corrosion type)
SC: industrial chrome plating

seal
blank: without seal
UU: seals on both sides



part number				number of ball circuits	major dimensions				
standard		anti-corrosion			dr		D		
steel retainer	resin retainer	stainless retainer	resin retainer		inch (mm)	tolerance inch/(μm)	inch (mm)	tolerance inch/(μm)	
SWK 4	SWK 4G	SWSK 4	SWSK 4G	4	.2500 (6.350)	0 −.00040 (−9)	.5000 (12.700)	0 −.00050 (−13)	.7500 (19.050)
SWK 6	SWK 6G	SWSK 6	SWSK 6G	4	.3750 (9.525)		.6250 (15.875)	0	.8750 (22.225)
SWK 8	SWK 8G	SWSK 8	SWSK 8G	4	.5000 (12.700)		.8750 (22.225)	0 −.00065 (−16)	1.2500 (31.750)
SWK10	SWK10G	SWSK10	SWSK10G	4	.6250 (15.875)		1.1250 (28.575)		1.5000 (38.100)
SWK12	SWK12G	SWSK12	SWSK12G	5	.7500 (19.050)	0 −.00040 (−10)	1.2500 (31.750)	0 −.00075 (−19)	1.6250 (41.275)
SWK16	SWK16G	SWSK16	SWSK16G	6	1.0000 (25.400)		1.5625 (39.688)		2.2500 (57.150)
SWK20	SWK20G	SWSK20	SWSK20G	6	1.2500 (31.750)	0 −.00050 (−12)	2.0000 (50.800)	0 −.00090 (−22)	2.6250 (66.675)
SWK24	SWK24G	SWSK24	SWSK24G	6	1.5000 (38.100)		2.3750 (60.325)		3.0000 (76.200)
SWK32	SWK32G	SWSK32	SWSK32G	6	2.0000 (50.800)		3.0000 (76.200)		4.0000 (101.600)
SWK40	—	—	—	6	2.5000 (63.500)	0 −.00060 (−15)	3.7500 (95.250)	0 −.00100 (−25)	5.0000 (127.000)
SWK48	—	—	—	6	3.0000 (76.200)		4.5000 (114.300)		6.0000 (152.400)
SWK64	—	—	—	6	4.0000 (101.600)	0 −.00080 (−20)	6.0000 (152.400)	0 −.00115 (−29)	8.0000 (203.200)

flange					eccentricity inch (μm)	perpendicularity inch (μm)	basic load rating		mass g	shaft diameter inch (mm)
Df	K	t	P.C.D.	X×Y×Z inch/(mm)			dynamic C N	static Co N		
inch/(mm)	inch/(mm)	inch/(mm)	inch/(mm)	inch/(mm)						
1.2500 (31.750)	1.0000 (25.400)	.2187 (5.556)	.8750 (22.225)	.1560×.2500×.1410 (3.969×6.350×3.572)	.0005 (12)	.0005 (12)	206	265	25	1/4 (6.350)
1.5000 (38.100)	1.2500 (31.750)	.2500 (6.350)	1.0620 (26.988)	.1875×.2970×.1720 (4.763×7.541×4.366)			225	314	32	3/8 (9.525)
1.7500 (44.450)	1.3750 (34.925)	.2500 (6.350)	1.312 (33.338)	.1875×.2970×.1720 (4.763×7.541×4.366)			510	784	68	1/2 (12.700)
2.0000 (50.800)	1.5000 (38.100)	.2500 (6.350)	1.5620 (39.688)	.1875×.2970×.1720 (4.763×7.541×4.366)			774	1,180	124	5/8 (15.875)
2.1875 (55.563)	1.6875 (42.863)	.3125 (7.938)	1.7180 (43.660)	2.187×.3440×.2030 (5.556×8.731×5.159)	.0006 (15)	.0006 (15)	862	1,370	150	3/4 (19.050)
2.5000 (63.500)	2.0000 (50.800)	.3125 (7.938)	2.0310 (51.594)	2.187×.3440×.2030 (5.556×8.731×5.159)			980	1,570	280	1 (25.400)
3.1250 (79.375)	2.5000 (63.500)	.3750 (9.525)	2.5625 (65.088)	2.812×.4060×.2656 (7.144×10.319×6.747)			1,570	2,740	580	1-1/4 (31.750)
3.7500 (95.250)	3.0000 (76.200)	.5000 (12.700)	3.0625 (77.788)	.3440×.5000×.3280 (8.731×12.700×8.334)			2,180	4,020	930	1-1/2 (38.100)
4.3750 (111.125)	3.5000 (88.900)	.5000 (12.700)	3.6875 (93.662)	.3440×.5000×.3280 (8.731×12.700×8.334)	.0008 (20)	.0008 (20)	3,820	7,940	1,580	2 (50.800)
5.3750 (136.525)	4.3750 (111.125)	.7500 (19.050)	4.5625 (115.887)	.4062×.6250×.3750 (10.319×15.875×9.525)			4,700	10,000	3,200	2-1/2 (63.500)
6.1250 (155.575)	5.0000 (127.000)	.7500 (19.050)	5.3125 (134.937)	.4062×.6250×.3750 (10.319×15.875×9.525)			7,350	16,000	5,000	3 (76.200)
8.0000 (203.200)	6.7500 (171.450)	.8750 (22.225)	7.0000 (177.800)	.5000×.7125×.5000 (12.700×18.097×12.700)			14,100	34,800	11,300	4 (101.600)

1N≒0.225lbf 1kg≒2.205lbf