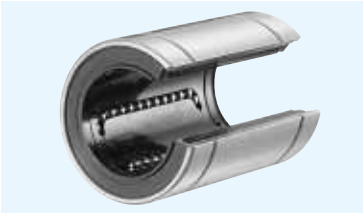
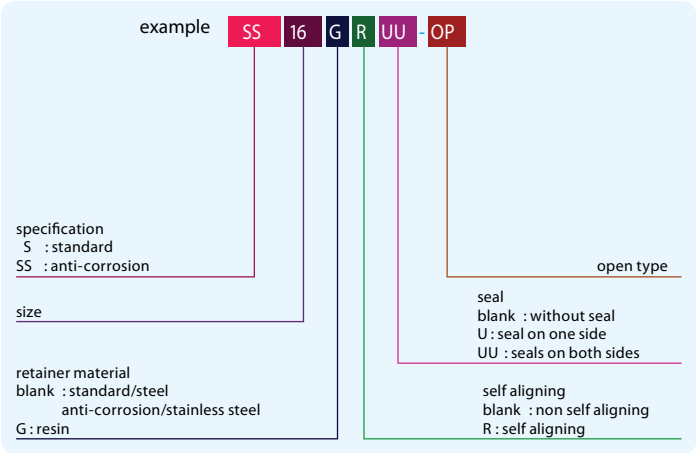
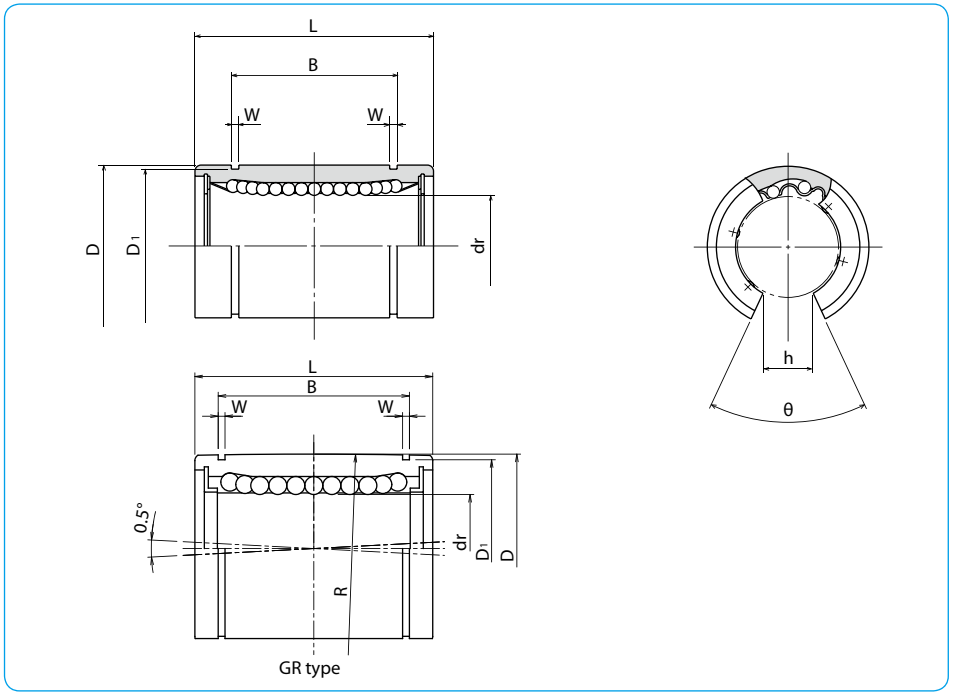
SS-OPEN TYPE (Inch Standard)



part number structure



Self-aligning is available only with resin retainer for size 8 to 32 of carbon steel cylinder.



part number					number of ball circuits	dr		major dimensions D	
steel retainer	standard resin retainer		anti-corrosion steel retainer	anti-corrosion resin retainer		inch (mm)	tolerance * inch/(μm)	inch (mm)	tolerance * inch/(μm)
S 8-OP	S 8G-OP	S 8GR-OP	SS 8-OP	SS 8G-OP	3	.5000 (12.700)	0 −.00040 (−9)	.8750 (22.225)	0 −.00050 (−13)
S10-OP	S10G-OP	S10GR-OP	SS10-OP	SS 10G-OP	3	.625 (15.875)		1.1250 (28.575)	
S12-OP	S12G-OP	S12GR-OP	SS12-OP	SS 12G-OP	4	.7500 (19.050)	0 −.00040 (−10)	1.2500 (31.750)	0 −.00065 (−16)
S16-OP	S16G-OP	S16GR-OP	SS16-OP	SS 16G-OP	5	1.0000 (25.400)		1.5625 (39.688)	
S20-OP	S20G-OP	S20GR-OP	SS20-OP	SS 20G-OP	5	1.2500 (31.750)	0 −.00050 (−12)	2.0000 (50.800)	0 −.00075 (−19)
S24-OP	S24G-OP	S24GR-OP	SS24-OP	SS 24G-OP	5	1.5000 (38.100)		2.3750 (60.325)	
S32-OP	S32G-OP	S32GR-OP	SS32-OP	SS 32G-OP	5	2.0000 (50.800)		3.0000 (76.200)	0 −.00090 (−22)
S40-OP	–	–	–	–	5	2.5000 (63.500)	0 −.00060 (−15)	3.7500 (95.250)	
S48-OP	–	–	–	–	5	3.0000 (76.200)		4.50000 (114.300)	
S64-OP	–	–	–	–	5	4.0000 (101.600)	0 −.00080 (−20)	6.0000 (152.400)	0 −.00100 (−25)

* Accuracy is measured prior to machining clearance slit.

L		B		W	D_1	h	θ	eccentricity *	basic load rating		mass	shaft diameter
inch (mm)	tolerance inch/(mm)	inch (mm)	tolerance inch/(mm)	inch (mm)	inch (mm)	inch (mm)		inch (μm)	dynamic C N	static Co N	g	inch (mm)
1.2500 (31.750)	0 −.008 (−0.2)	.9625 (24.46)	0 −.008 (−0.2)	.0459 (1.168)	.8209 (20.853)	.3125 (7.9375)	80°	.0005 (12)	510	784	32	1/2 (12.700)
1.5000 (38.100)		1.1039 (28.04)		.0559 (1.422)	1.0590 (26.899)	.375 (9.5250)	80°		774	1,180	64	5/8 (15.875)
1.6250 (41.275)		1.1657 (29.61)		.0559 (1.422)	1.1760 (29.870)	.4375 (11.1125)	60°	.0006 (15)	862	1,370	86	3/4 (19.050)
2.2500 (57.150)	0 −.012 (−0.3)	1.7547 (44.57)	0 −.012 (−0.3)	.0679 (1.727)	1.4687 (37.306)	.5625 (14.2875)	50°		980	1,570	190	1 (25.400)
2.6250 (66.675)		2.0047 (50.92)		.0679 (1.727)	1.8859 (47.904)	.625 (15.875)	50°	.0008 (20)	1,570	2,740	390	1-1/4 (31.750)
3.0000 (76.200)		2.4118 (61.26)		0.859 (2.184)	2.2389 (56.870)	.75 (19.05)	50°		2,180	4,020	610	1-1/2 (38.100)
4.0000 (101.600)		3.1917 (81.07)		.1029 (2.616)	2.8379 (72.085)	1.0 (25.40)	50°	.0010 (25)	3,820	7,940	1,120	2 (50.800)
5.0000 (127.000)		3.9760 (100.99)		.1200 (3.048)	3.5519 (90.220)	1.25 (31.75)	50°		4,700	10,000	2,230	2-1/2 (63.500)
6.0000 (152.400)	0 −.016 (−0.4)	4.726 (120.04)	0 −.016 (−0.4)	.1200 (3.048)	4.3100 (109.474)	1.5 (38.10)	50°		7,350	16,000	3,750	3 (76.200)
8.0000 (203.200)		6.258 (158.95)		.1389 (3.530)	5.745 (145.923)	2.0 (50.80)	50°	.0012 (30)	14,100	34,800	8,740	4 (101.60)