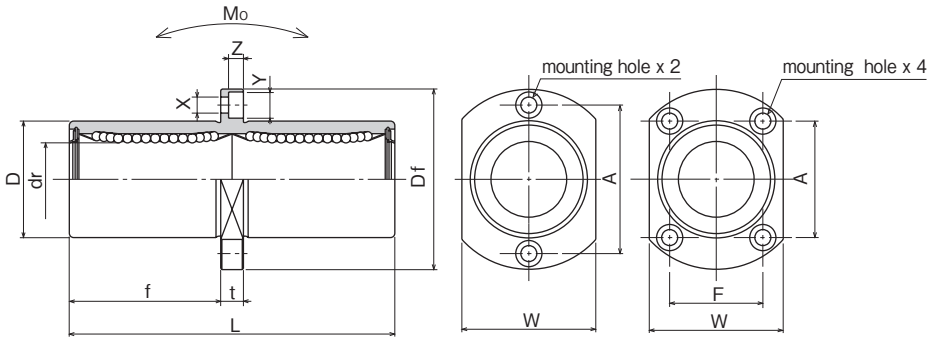
SMTC TYPE

– Two Side Cut Center Flange Type –

part number structure

example **SMSTC 25 G UU - SK**

- specification
  SMTC: standard
  SMSTC: anti-corrosion
- inner contact diameter (dr)
- retainer material
  blank: standard/steel
  anti-corrosion/stainless steel
  G: resin
- seal
  UU: seals on both sides
  ZZ: doublelip-seals on both sides
- 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



part number*				number of ball circuits	major dimensions				
standard		anti-corrosion			dr		D		L
steel retainer	resin retainer	stainless retainer	resin retainer		mm	tolerance μm	mm	tolerance μm	±0.3 mm
SMTC 6UU	SMTC 6GUU	SMSTC 6UU	SMSTC 6GUU	4	6	0 −10	12	0 −13	35
SMTC 8UU	SMTC 8GUU	SMSTC 8UU	SMSTC 8GUU	4	8		15		45
SMTC10UU	SMTC10GUU	SMSTC10UU	SMSTC10GUU	4	10		19	0 −16	55
SMTC12UU	SMTC12GUU	SMSTC12UU	SMSTC12GUU	4	12		21		57
SMTC13UU	SMTC13GUU	SMSTC13UU	SMSTC13GUU	4	13		23		61
SMTC16UU	SMTC16GUU	SMSTC16UU	SMSTC16GUU	4	16		28		70
SMTC20UU	SMTC20GUU	SMSTC20UU	SMSTC20GUU	5	20	0 −12	32	0 −19	80
SMTC25UU	SMTC25GUU	SMSTC25UU	SMSTC25GUU	6	25		40		112
SMTC30UU	SMTC30GUU	SMSTC30UU	SMSTC30GUU	6	30		45		123

* Seals-on-both-sides is standard.

flange							eccentricity	perpendicularity	basic load rating		allowable static moment	mass	shaft diameter
f mm	Df mm	W mm	t mm	A mm	F mm	X×Y×Z mm	μm	μm	dynamic C N	static Co N	Mo N・m	g	mm
15	28	18	5	20	—	3.5×6×3.1	15	15	323	530	2.18	28	6
20	32	21	5	24	—	3.5×6×3.1			431	784	4.31	47	8
24.5	40	25	6	29	—	4.5×7.5×4.1			588	1,100	7.24	90	10
25.5	42	27	6	32	—	4.5×7.5×4.1			813	1,570	10.9	102	12
27.5	43	29	6	33	—	4.5×7.5×4.1			813	1,570	11.6	123	13
32	48	34	6	31	22	4.5×7.5×4.1			1,230	2,350	19.7	182	16
36	54	38	8	36	24	5.5×9×5.1	20	20	1,400	2,740	26.8	247	20
52	62	46	8	40	32	5.5×9×5.1			1,560	3,140	43.4	525	25
56.5	74	51	10	49	35	6.6×11×6.1			2,490	5,490	82.8	645	30

1N≒0.102kgf 1N・m≒0.102kgf・m