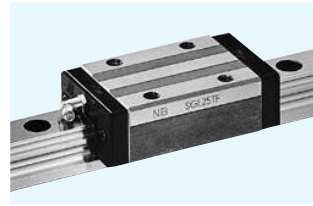
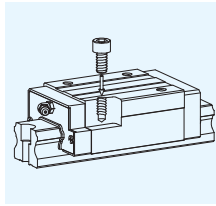


SGL-TF TYPE

— High Rigidity Type —



part number structure

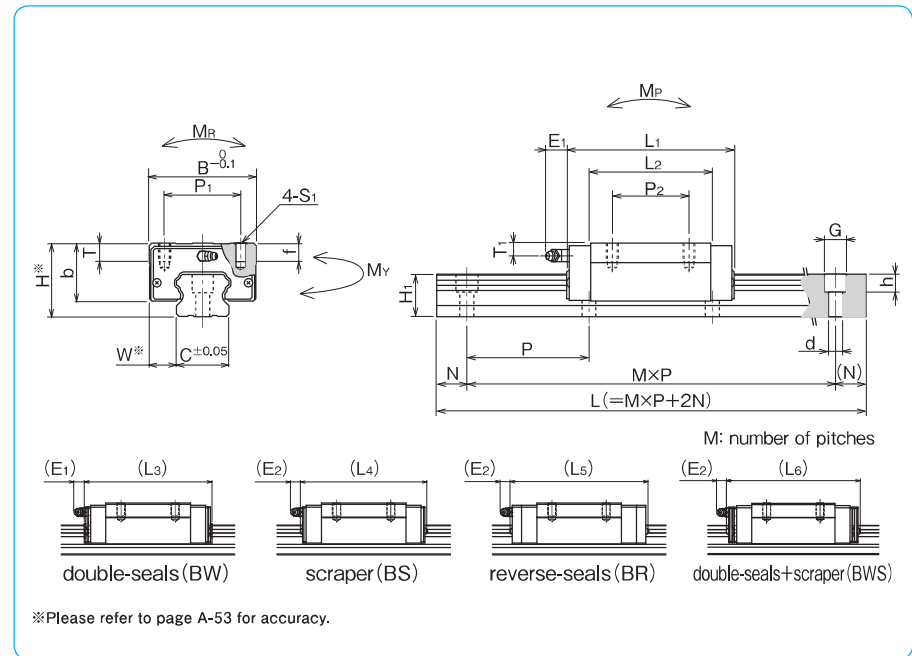
example specification	SGL 15 TF B 2 T1 -589 D P/W2 FS LB F J-KGLA	
SGL: standard		
SGLS: anti-corrosion		
size		
block style		
seal (refer to page A-14)		
blank: with side-seals		
B: with side-seals + under-seals		
BW: with double-seals + under-seals		
BS: B + scraper		
BR: B + reverse-seals		
BWS: BW + scraper		
number of blocks attached to one rail		
preload symbol (refer to page A-54)		
blank: standard		
T1: light		
T2: medium		
total length of rail		
size of rail installation hole (D type rail is available only for SGL 15 and 30)		
		symbol for grease (refer to page Eng-40~)
		blank: standard grease
		KGLA: lithium-based grease
		KGU: urea-based grease
		KGF: anti-fretting grease
		with bellows (refer to page A-20)
		with rail mounting hole caps (refer to page A-17)
		with low temperature black chrome treatment
		with Fiber Sheet (refer to page A-18)
		symbol for number of axes*
		blank: single axis
		W2: 2 parallel axes
		W3: 3 parallel axes
		accuracy grade (refer to page A-53)
		blank: standard
		H: high
		P: precision

*The symbol for the number of axes does not mean the number of rails ordered.

part number		assembly dimensions		block dimensions													
standard	anti-corrosion	H	W	B	L ₁	L ₂	L ₃	L ₄	L ₅	L ₆	P ₁	P ₂	S ₁	f	T	b	E ₁
SGL15TF	SGLS15TF	24	9.5	34	56.5	38.5	62.7	63.1	70.1	69.3	26	26	M4	7	6	19.5	6
SGL20TF	SGLS20TF	28	11	42	65.8	47.4	72	72.4	83.4	78.6	32	32	M5	8	7.5	22	
SGL25TF	SGLS25TF	33	12.5	48	80	59	86.4	87.2	98.2	93.4	35	35	M6	9	8	26	
SGL30TF	—	42	16	60	95.7	67.7	104.3	103.3	113.9	111.9	40	40	M8	12	9	32.5	
SGL35TF	—	48	18	70	109	78	117.6	116.6	127.2	125.2	50	50			13	38	

part number		standard rail length L mm													
standard	anti-corrosion														
SGL15	SGLS15	160	220	280	340	400	460	520	580	640	700	760	820	880	1,000
SGL20	SGLS20	220	280	340	400	460	520	580	640	700	760	820	880	940	1,120
SGL25	SGLS25	220	280	340	400	460	520	580	640	700	760	820	880	940	1,120
SGL30	—	280	360	440	520	600	680	760	840	920	1,000	1,080	1,160	1,240	1,400
SGL35	—	280	360	440	520	600	680	760	840	920	1,000	1,080	1,160	1,240	1,400

Rails exceeding the maximum specified length may be fabricated if joints are used. Please contact NB for assistance.



E ₂		T ₁	grease fitting	guide rail dimensions				basic load rating		allowable static moment		mass		block size	
mm	mm	mm		H ₁	C	d × G × h	N	P	dynamic C	static C ₀	M _P	M _{Y2}	M _R	block	guide rail
			pressed fitting	mm	mm	mm	mm	mm	kN	kN	N · m	N · m	N · m	kg	kg/m
5.4	5			13.5	15	3.5 × 6 × 4.5 4.5 × 7.5 × 5.3			10.6	16.2	99.5 565	99.5 565	126	0.2	1.3
	6			16	20	6 × 9.5 × 8.5		60	16.3	23.2	165 897	165 897	250	0.3	2.1
	6.5			20	23	7 × 11 × 9			24.7	36.3	334 1,740	334 1,740	437	0.4	3.0
	9			24	28	7 × 11 × 9 9 × 14 × 12		80	33.6	49.2	528 2,880	528 2,880	716	0.8	4.6
	8.5			27.5	34	9 × 14 × 12			46.6	64.8	796 4,290	796 4,290	1,180	1.3	6.2

M_{P2} and M_{Y2} are allowable static moments when two blocks are used in close contact. 1kN ≒ 102kgf 1N · m ≒ 0.102kgf · m

		maximum length mm
standard	anti-corrosion	
1,120 1,240 1,360 1,480		2,000 1,480
1,240 1,360 1,480 1,600 1,660 1,720 1,840 1,960		3,000 1,480
1,240 1,360 1,480 1,600 1,660 1,720 1,840 1,960		3,000 1,480
1,480 1,640 1,720 1,800 1,880 1,960		3,000 —
1,480 1,640 1,720 1,800 1,880 1,960		3,000 —