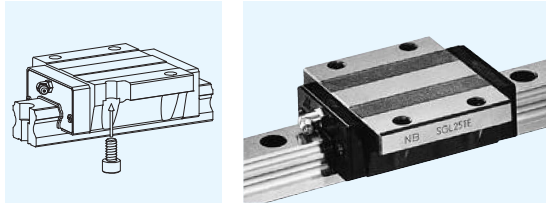


SGL-TE TYPE

— High Rigidity Flange Type —



part number structure

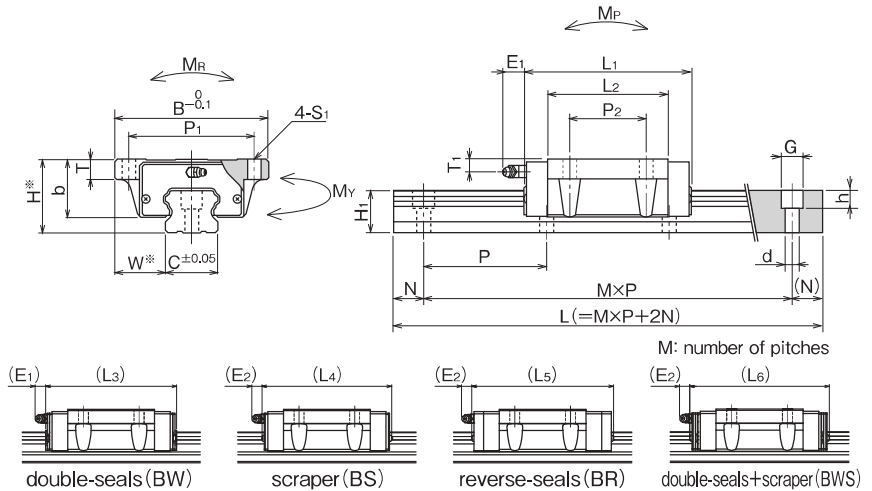
example	SGL 15 TE B 2 T1 -589 D P/W2 FS LB F J-KGLA
SGL type	
size	
block style	
seal (refer to page A-14)	
blank: with side-seals	
B: with side-seals + under-seals	
BW: with double-seals + under-seals	
BS: B + scraper	
BR: B + reverse-seals	
BWS: BW + scraper	
number of blocks attached to one rail	
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													
	H	W	B	L ₁	L ₂	L ₃	L ₄	L ₅	L ₆	P ₁	P ₂	S ₁	T	b	E ₁	E ₂
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SGL15TE SGL15TE-D	24	18.5	52	56.5	38.5	62.7	63.1	70.1	69.3	41	26	4.5	7	19.5	6	5.4
SGL20TE	28	19.5	59	65.8	47.4	72	72.4	83.4	78.6	49	32	5.5	9	22	12	11
SGL25TE	33	25	73	80	59	86.4	87.2	98.2	93.4	60	35	7	10	26		
SGL30TE SGL30TE-D	42	31	90	95.7	67.7	104.3	103.3	113.9	111.9	72	40	9		32.5		
SGL35TE	48	33	100	109	78	117.6	116.6	127.2	125.2	82	50		13	38		

part number	standard rail length													
	L mm													
SGL15	160	220	280	340	400	460	520	580	640	700	760	820	880	940
SGL20	220	280	340	400	460	520	580	640	700	760	820	880	940	1,000
SGL25	220	280	340	400	460	520	580	640	700	760	820	880	940	1,000
SGL30	280	360	440	520	600	680	760	840	920	1,000	1,080	1,160	1,240	1,320
SGL35	280	360	440	520	600	680	760	840	920	1,000	1,080	1,160	1,240	1,320

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



*Please refer to page A-53 for accuracy.

T ₁	grease fitting	guide rail dimensions					basic load rating		allowable static moment		mass		
		H ₁	C	d × G × h	N	P	dynamic C	static Co	M _P	M _Y	M _R	block	guide rail
5	pressed fitting	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	0.6	3.0
9		24	28	7 × 11 × 9 9 × 14 × 12		80	33.6	49.2	528 2,880	528 2,880	716	1.0	4.6
8.5		27.5	34	9 × 14 × 12			46.6	64.8	796 4,290	796 4,290	1,180	1.5	6.2

M_P and M_Y are allowable static moments when two blocks are used in close contact. 1kN ≒ 102kgf 1N · m ≒ 0.102kgf · m

	maximum length mm
1,240 1,360 1,480	2,000
1,360 1,480 1,600 1,660 1,720 1,840 1,960	3,000
1,360 1,480 1,600 1,660 1,720 1,840 1,960	3,000
1,640 1,720 1,800 1,880 1,960	3,000
1,640 1,720 1,800 1,880 1,960	3,000