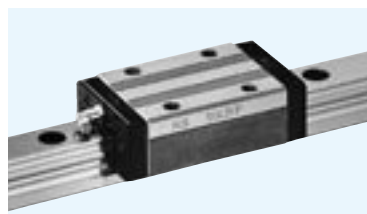


# SGL-TF TYPE



## part number structure

example **SGL 15 TF B 2 T1 589 D P /W2 FS LB F J -KGL**

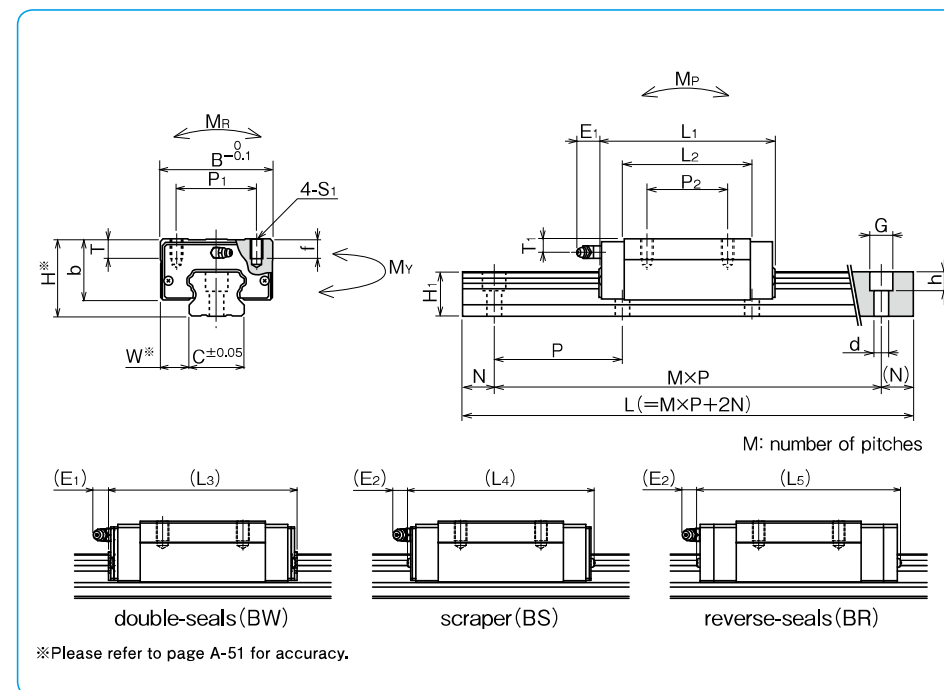
specification SGL: standard SGLS: anti-corrosion	size	block style	seal (refer to page A-14) blank: with side-seals B: with side-seals + under-seals BW: with double-seals + under-seals BS: B + scraper BR: B + reverse-seals	number of blocks attached to one rail	preload symbol blank: standard T1: light 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 blank: standard grease KGL: lithium-based grease KGU: urea-based grease KGF: anti-fretting grease GK: K-grease refer to page Eng-39~	with bellows (refer to page A-18)	with rail mounting hole caps	with low temperature black chrome treatment	with Fiber Sheet	symbol for number of axes* blank: single axis W2: 2 parallel axes W3: 3 parallel axes	accuracy grade blank: standard H: high P: precision
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\*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 <sub>1</sub>	L <sub>2</sub>	L <sub>3</sub>	L <sub>4</sub>	L <sub>5</sub>	P <sub>1</sub>	P <sub>2</sub>	S <sub>1</sub>	f	T	b	E <sub>1</sub>
		mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SGL15TF	SGLS15TF	24	9.5	34	56.5	38.5	62.7	63.1	70.1	26	26	M4	7	6	19.5	6
SGL20TF	SGLS20TF	28	11	42	65.8	47.4	72	72.4	83.4	32	32	M5	8	7.5	22	12
SGL25TF	SGLS25TF	33	12.5	48	80	59	86.4	87.2	98.2	35	35	M6	9	8	26	
SGL30TF	—	42	16	60	95.7	67.7	104.3	103.3	—	40	40	M8	12	9	32.5	
SGL30TF-D	—	—	—	—	—	—	—	—	—	—	—					
SGL35TF	—	48	18	70	109	78	117.6	116.6	—	50	50	—	—	13	38	

part number		standard rail length														
standard	anti-corrosion	L mm														
SGL15	SGLS15	160	220	280	340	400	460	520	580	640	700	760	820	880	940	1,000
SGL20	SGLS20	220	280	340	400	460	520	580	640	700	760	820	880	940	1,000	1,120
SGL25	SGLS25	220	280	340	400	460	520	580	640	700	760	820	880	940	1,000	1,120
SGL30	—	280	360	440	520	600	680	760	840	920	1,000	1,080	1,160	1,240	1,320	1,400
SGL35	—	280	360	440	520	600	680	760	840	920	1,000	1,080	1,160	1,240	1,320	1,400

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



E <sub>2</sub>		T <sub>1</sub>	grease fitting	guide rail dimensions				basic load rating		allowable static moment			mass		block size	
mm		mm		H <sub>1</sub>	C	d × G × h	N	P	C	C <sub>0</sub>	M <sub>P2</sub>	M <sub>Y2</sub>	M <sub>R</sub>	block	guide rail	block size
				mm	mm	mm	mm	mm	kN	kN	N · m	N · m	N · m	kg	kg/m	
5.4	5	pressed fitting	3.5 × 6 × 4.5	13.5	15	4.5 × 7.5 × 5.3	20	60	10.6	16.2	99.5	99.5	126	0.2	1.3	<b>15</b>
									16.3	23.2	165	165	250	0.3	2.1	<b>20</b>
11	6	B-M6F	7 × 11 × 9	16	20	6 × 9.5 × 8.5	20	80	24.7	36.3	334	334	437	0.4	3.0	<b>25</b>
									1,740	1,740	1,740	1,740	—	—	—	
									24	28	7 × 11 × 9	9 × 14 × 12	33.6	49.2	528	528
8.5	—	—	9 × 14 × 12	27.5	34	9 × 14 × 12	—	—	46.6	64.8	796	796	1,180	1.3	6.2	<b>35</b>
—	—	—	—	—	—	—	—	—	4,290	4,290	4,290	4,290	—	—	—	—

M<sub>P2</sub> and M<sub>Y2</sub> 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
1,240	1,360	1,480	1,600	1,660	1,720
1,480	1,640	1,720	1,800	1,880	1,960
1,480	1,640	1,720	1,800	1,880	1,960