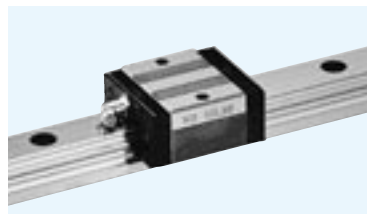


SGL-F TYPE



part number structure

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

specification
SGL: standard
SGLS: anti-corrosion
 size
15
 block style
F
 seal (refer to page A-14)
B: with side-seals
2: with side-seals + under-seals
T1: with double-seals + under-seals
589: B + scraper
D: B + reverse-seals
 number of blocks attached to one rail
2
 preload symbol
T1: light
T2: medium
 total length of rail
589
 size of rail installation hole (D type rail is available only for SGL 15 and 30)
D

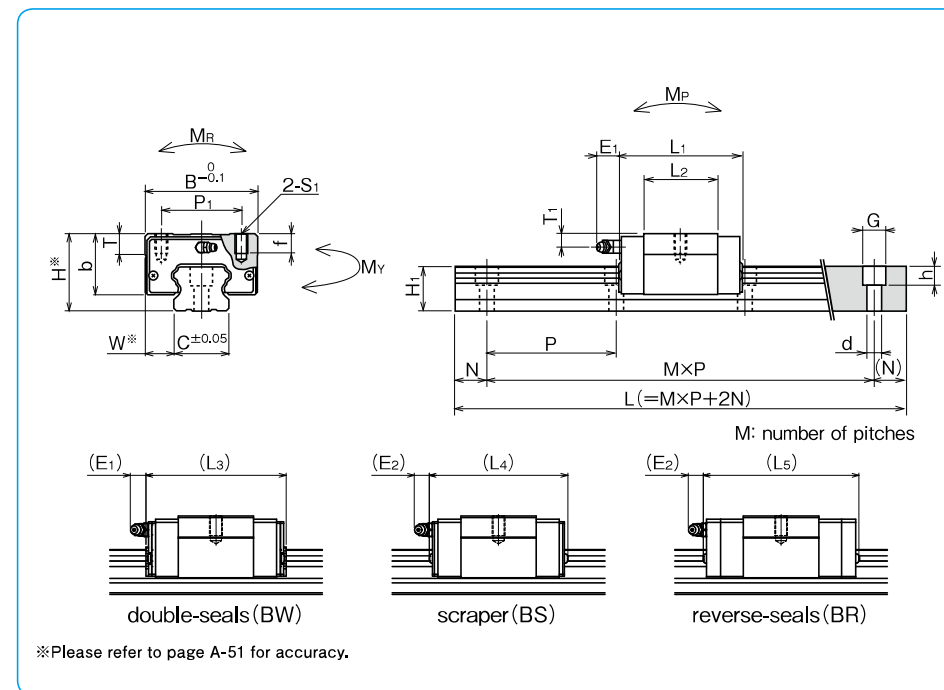
symbol for grease
blank: standard grease
KGL: lithium-based grease
KGU: urea-based grease
KGF: anti-fretting grease
GK: K-grease
 refer to page Eng-39~
 with bellows (refer to page A-18)
 with rail mounting hole caps
 with low temperature black chrome treatment
 with Fiber Sheet
 symbol for number of axes*
blank: single axis
W2: 2 parallel axes
W3: 3 parallel axes
 accuracy grade
blank: standard
H: high
P: precision

*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	P ₁	S ₁	f	T	b	E ₁
		mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SGL15F	SGLS15F	24	9.5	34	40.7	22.7	46.9	47.3	54.3	26	M4	7	6	19.5	6
SGL20F	SGLS20F	28	11	42	47.9	29.5	54.1	54.5	65.5	32	M5	8	7.5	22	12
SGL25F	SGLS25F	33	12.5	48	58.7	37.7	65.1	65.9	76.9	35	M6	9	8	26	12
SGL30F	—	42	16	60	68	40	76.6	75.6	—	40	M8	12	9	32.5	12
SGL35F	—	48	18	70	77	46	85.6	84.6	—	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 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 Co	M _{P2}	M _{Y2}	M _R	block kg	guide rail kg/m
		mm	mm	mm	mm	mm	mm	kN	kN	N · m	N · m	N · m		
5.4	5	pressed fitting	13.5	15	3.5 × 6 × 4.5	20	60	7.29	9.45	36.7	36.7	73.9	0.1	1.3
					4.5 × 7.5 × 5.3			252	252	15				
11	6	B-M6F	16	20	6 × 9.5 × 8.5	20	80	11.9	14.8	71.9	71.9	159	0.2	2.1
					447			447	20					
					123			123	254	0.3	3.0			
					751			751	25					
8.5	9	B-M6F	24	28	7 × 11 × 9	20	80	23.0	28.7	195	195	417	0.5	4.6
					9 × 14 × 12			1,260	1,260	30				
8.5	8.5	B-M6F	27.5	34	9 × 14 × 12	20	80	32.0	37.8	293	293	693	0.8	6.2
					1,870			1,870	35					

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
1,240	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