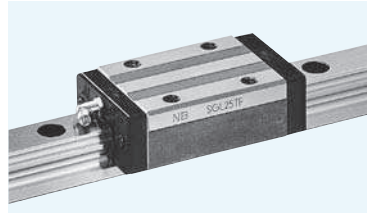


SGL-TF TYPE



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
15

block style
TF

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

number of blocks attached to one rail
2

preload symbol
blank: standard
T1: light
T2: medium

total length of rail
589

size of rail installation hole (D type rail is available only for SGL 15)
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-16)
P

with rail mounting hole caps
W2

with low temperature black chrome treatment
FS

with Fiber Sheet
 (Fiber Sheet comes only with standard grease.)
LB

symbol for number of axes*
blank: single axis
W2: 2 parallel axes
W3: 3 parallel axes

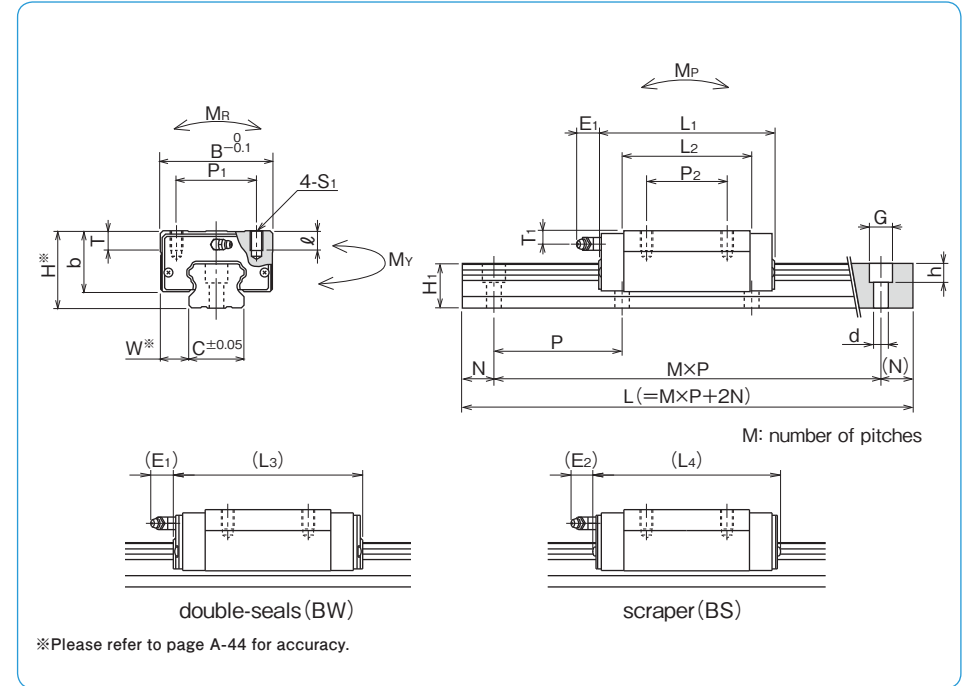
accuracy grade
blank: standard
H: high
P: precision

*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	P ₁	P ₂	S ₁	ℓ	T	b	E ₁
		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	26	26	M4	7	6	19.5	6
SGL15TF-D	SGLS15TF-D														
SGL20TF	SGLS20TF	28	11	42	65.8	47.4	72.0	72.4	32	32	M5	8	7.5	22	12
SGL25TF	SGLS25TF	33	12.5	48	80	59	86.4	87.2	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	
SGL35TF	—	48	18	70	109	78	117.6	116.6	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	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.



part number		guide rail dimensions				basic load rating			allowable static moment			mass		block size			
E ₂	T ₁	grease fitting	H ₁	C	d × G × h	N	P	dynamic C	static Co	M _P	M _Y	M _R	block kg	guide rail kg/m	block size		
mm	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	10.6	16.2	100	100	127	0.2	1.3	15		
					4.5 × 7.5 × 5.3			16.4	23.3	165	165	250	0.3	2.1	20		
11	6	B-M6F	16	20	6 × 9.5 × 8.5	20	80	24.8	36.3	335	335	437	0.4	3.0	25		
					7 × 11 × 9			24	28	33.6	49.2	529	529	716	0.8	4.6	30
					9 × 14 × 12			27.5	34	46.7	64.8	796	796	1,188	1.3	6.2	35

1kN ≒ 102kgf 1N · m ≒ 0.102kgf · m

part number		maximum length mm	
standard	anti-corrosion		
1,120	1,240	1,360	1,480
1,240	1,360	1,480	1,600
1,240	1,360	1,480	1,600
1,480	1,640	1,720	1,880
1,480	1,640	1,720	1,880