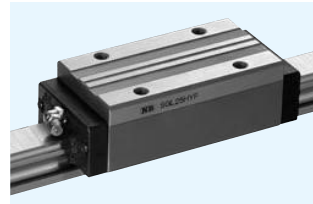
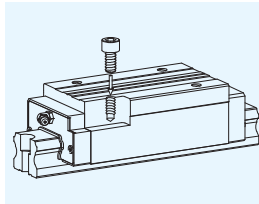


SGL-HYF TYPE

— High Rigidity Long Type —



part number structure

example **SGL 15 HYF B 2 T1 -589 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

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)

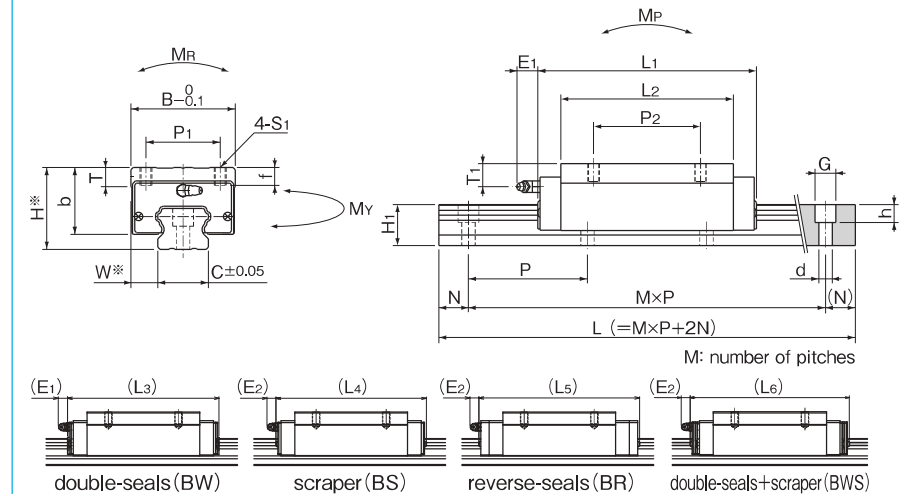
blank: standard**H**: high**P**: precision

*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	f	T	b	E ₁	E ₂
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm		mm	mm	mm	mm	mm
SGL15HYF	28	9.5	34	79	61	85.2	85.6	92.6	91.8	26	26	M4	5	6	23.7	6	5.4
SGL20HYF	30	12	44	96	77.6	102.2	102.6	113.6	108.8	32		M5	6	9.5	24		
SGL25HYF	40	12.5	48	109	88	115.4	116.2	127.2	122.4	35	50	M6	8		33	12	11
SGL30HYF	45	16	60	129	101	137.6	136.6	147.2	145.2	40	60	M8	10	9	35.5		
SGL35HYF	55	18	70	147	116	155.6	154.6	165.2	163.2	50	72		12	13	45		
SGL45HYF	70	20.5	86	171	134	179.5	180	190.7	188.6	60	80	M10	17	15	60	15	15

part number	standard rail length L mm															
SGL15	160	220	280	340	400	460	520	580	640	700	760	820	880	940	1,000	1,120
SGL20	220	280	340	400	460	520	580	640	700	760	820	880	940	1,000	1,120	1,240
SGL25	220	280	340	400	460	520	580	640	700	760	820	880	940	1,000	1,120	1,240
SGL30	280	360	440	520	600	680	760	840	920	1,000	1,080	1,160	1,240	1,320	1,400	1,480
SGL35	280	360	440	520	600	680	760	840	920	1,000	1,080	1,160	1,240	1,320	1,400	1,480
SGL45	570	675	780	885	990	1,095	1,200	1,305	1,410	1,515	1,620	1,725	1,830	1,935	2,040	2,145

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 _{P2}	M _{Y2}	M _R	block	guide rail
		mm	mm	mm	mm	mm	kN	kN	N · m	N · m	N · m	kg	kg/m
9	pressed fitting	13.5	15	4.5 × 7.5 × 5.3			14.6	25.6	238	238	200	0.3	1.3
8		16	20	6 × 9.5 × 8.5		60	23.9	40.2	467	467	432	0.5	2.1
13.5		20	23	7 × 11 × 9	20		32.8	54.5	723	723	655	0.9	3.0
12		24	28	9 × 14 × 12		80	44.6	73.8	1,140	1,140	1,070	1.3	4.6
15.5		27.5	34				61.9	97.2	1,720	1,720	1,780	2.2	6.2
20	B-PT1/8	36.5	45	14 × 20 × 17	22.5	105	91.4	134	2,680	2,680	3,080	4.0	10.5
									13,300	13,300			45

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
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
2,250 2,355 2,460 2,565 2,670 2,775 2,880 2,985	3,000