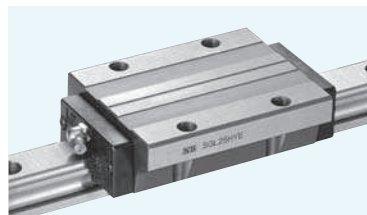


SGL-HYE TYPE



part number structure

example **SGL15HYE B2T1-589P/W2FS LB FJ-KGL**

- SGL**: SGL type
- 15**: size
- HYE**: block style
- B**: seal (refer to page A-14)
- 2**: number of blocks attached to one rail
- T1**: preload symbol
- 589**: total length of rail
- P**: symbol for grease
- W2**: blank
- FS**: with bellows
- LB**: with rail mounting hole caps
- F**: with low temperature black chrome treatment
- J**: with Fiber Sheet
- KGL**: symbol for grease

blank: standard grease
KGL: lithium-based grease
KGU: urea-based grease
KGF: anti-fretting grease
KK: K-grease
 refer to page Eng-39~

W2: 2 parallel axes
W3: 3 parallel axes

T1: light
T2: medium

blank: standard
H: high
P: precision

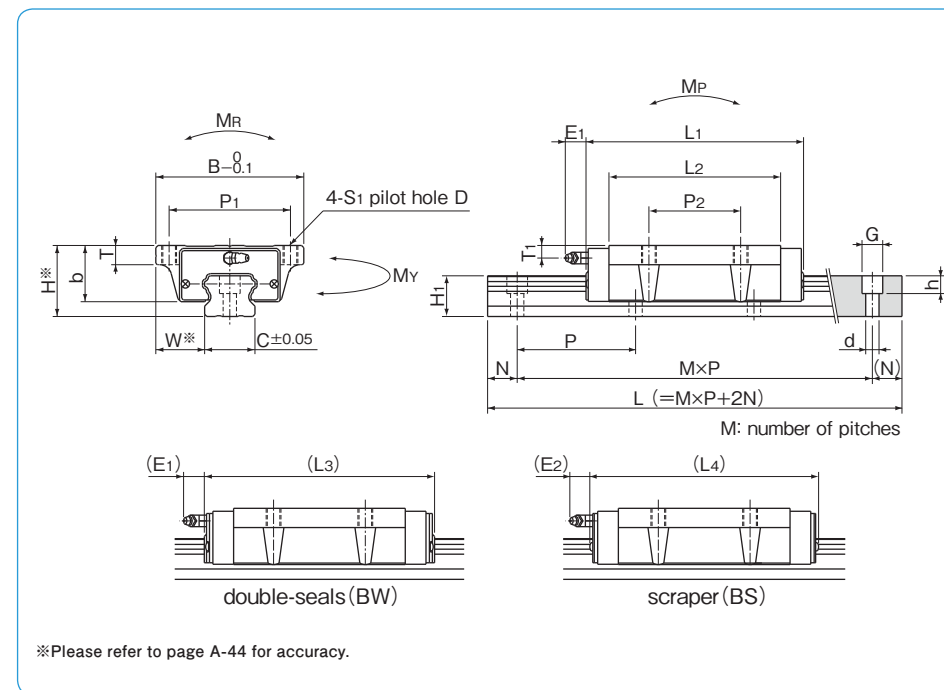
accuracy grade
blank: standard
H: high
P: precision

※The symbol for the number of axes does not mean the number of rails ordered.

part number	assembly dimensions		block dimensions												
	H	W	B	L1	L2	L3	L4	P1	P2	S1	D	T	b	E1	E2
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SGL15HYE	24	16	47	79	61	85.2	85.6	38	30	M5	4.4	7.5	19.7	6	5.4
SGL20HYE	30	21.5	63	96	77.6	102.2	102.6	53	40	M6	5.4	10.5	24	12	11
SGL25HYE	36	23.5	70	109	88	115.4	116.2	57	45	M8	6.8	12.5	29		
SGL30HYE	42	31	90	129	101	137.6	136.6	72	52	M10	8.5	10	32.5		
SGL35HYE	48	33	100	147	116	155.6	154.6	82	62			13	38		
SGL45HYE	60	37.5	120	171	134	179.5	180	100	80	M12	10.5	15	50	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.



T1	grease fitting	guide rail dimensions				N	P	basic load rating			allowable static moment			mass block	mass guide rail	block size
		H1	C	d × G × h	N			C	Co	MP	My	MR	kg			
mm		mm	mm	mm	mm	mm	kN	kN	N · m	N · m	N · m					
5	pressed fitting	13.5	15	4.5 × 7.5 × 5.3	20	60	14.6	25.6	238	238	200	0.3	1.3	15		
8	B-M6F	16	20	6 × 9.5 × 8.5			32.8	54.5	723	723	655	1.0	3.0	25		
9.5		20	23	7 × 11 × 9			44.6	73.8	1,144	1,144	1,074	1.5	4.6	30		
9	B-M6F	24	28	9 × 14 × 12	80	80	61.9	97.2	1,722	1,722	1,782	2.2	6.2	35		
8.5		27.5	34				91.4	134.9	2,681	2,681	3,082	4.0	10.5	45		
10	B-PT1/8	36.5	45	14 × 20 × 17	22.5	105	91.4	134.9	2,681	2,681	3,082	4.0	10.5	45		

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