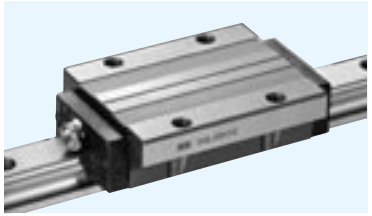
SGL-HYE TYPE

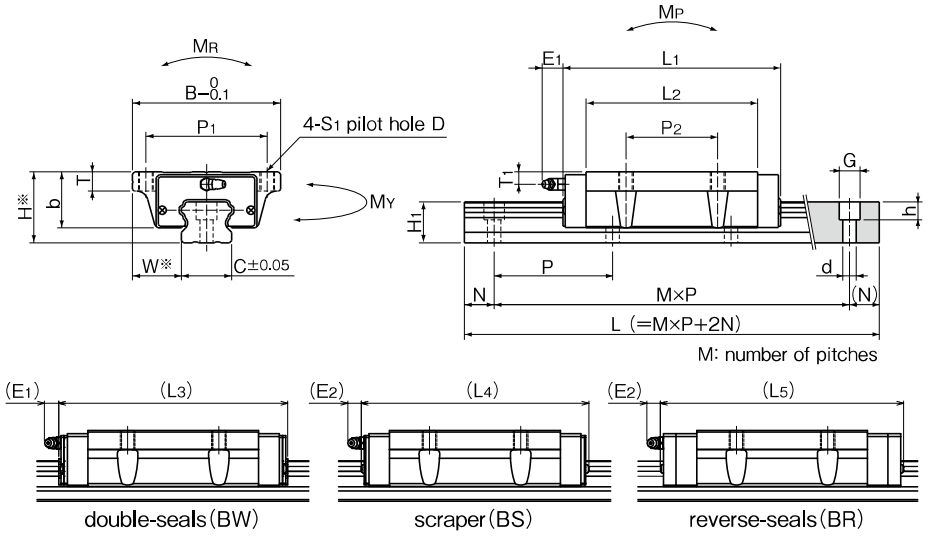


part number structure

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

- 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
- number of blocks attached to one rail
- preload symbol
  blank: standard
  T1: light
  T2: medium
- total length of rail
- accuracy grade
  blank: standard
  H: high
  P: precision
- symbol for number of axes※
  blank: single axis
  W2: 2 parallel axes
  W3: 3 parallel axes
- with Fiber Sheet
- with low temperature black chrome treatment
- with rail mounting hole caps
- with bellows (refer to page A-18)
- 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~

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



※Please refer to page A-51 for accuracy.

part number	assembly dimensions H	W	block dimensions B	L1	L2	L3	L4	L5	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	92.6	38	30	M5	4.4	7.5	19.7	6	5.4
SGL20HYE	30	21.5	63	96	77.6	102.2	102.6	113.6	53	40	M6	5.4	10.5	24	12	11
SGL25HYE	36	23.5	70	109	88	115.4	116.2	127.2	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 H1	C	d×G×h	N	P	basic load rating dynamic C	static Co	allowable static moment MP / MP2	MY / MY2	MR	mass block	guide rail	block size
mm		mm	mm	mm	mm	mm	kN	kN	N・m	N・m	N・m	kg	kg/m	
5	pressed fitting	13.5	15	4.5×7.5×5.3	20	60	14.6	25.6	238 / 1,200	238 / 1,200	200	0.3	1.3	**15**
8	B-M6F	16	20	6×9.5×8.5			23.9	40.2	467 / 2,250	467 / 2,250	432	0.7	2.1	**20**
9.5		20	23	7×11×9			32.8	54.5	723 / 3,480	723 / 3,480	655	1.0	3.0	**25**
9		24	28	9×14×12		80	44.6	73.8	1,140 / 5,680	1,140 / 5,680	1,070	1.5	4.6	**30**
8.5		27.5	34				61.9	97.2	1,720 / 8,480	1,720 / 8,480	1,780	2.2	6.2	**35**
10	B-PT1/8	36.5	45	14×20×17	22.5	105	91.4	134	2,680 / 13,300	2,680 / 13,300	3,080	4.0	10.5	**45**

MP2 and MY2 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