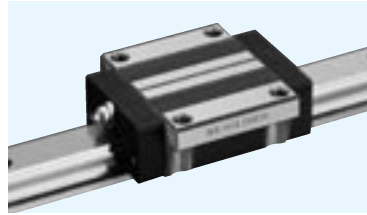


SGL-HTE TYPE



part number structure

example **SGL15HTEB2T1-589P/W2FSLB F J-KGL**

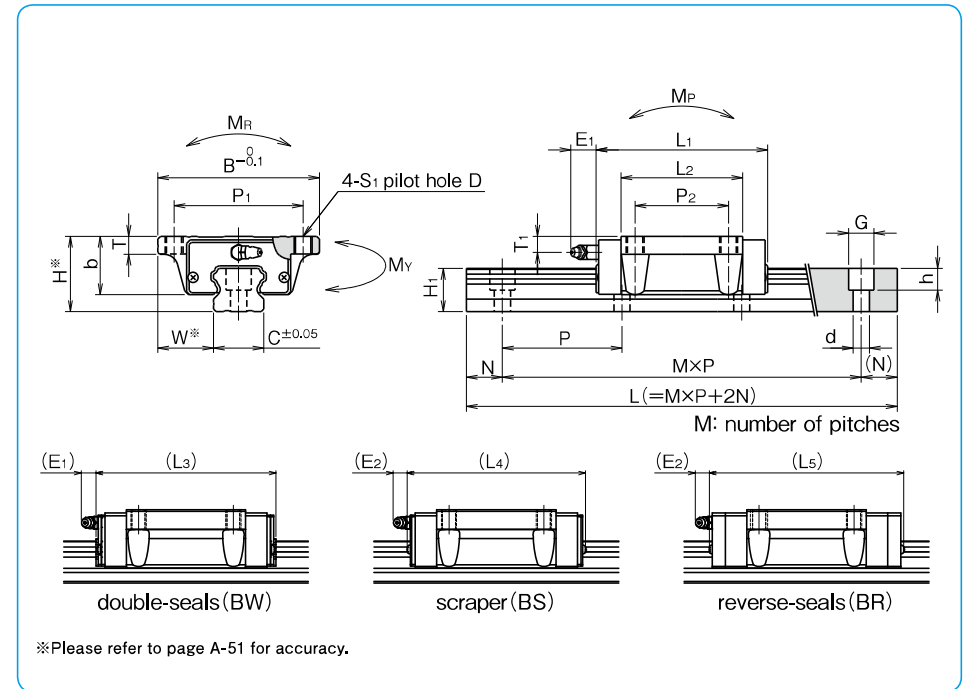
<p>example</p> <p>SGL type</p> <p>size</p> <p>block style</p> <p>seal (refer to page A-14)</p> <p>blank: with side-seals</p> <p>B: with side-seals + under-seals</p> <p>BW: with double-seals + under-seals</p> <p>BS: B + scraper</p> <p>BR: B + reverse-seals</p> <p>number of blocks attached to one rail</p> <p>preload symbol</p> <p>blank: standard</p> <p>T1: light</p> <p>T2: medium</p> <p>total length of rail</p>	<p>symbol for grease</p> <p>blank: standard grease</p> <p>KGL: lithium-based grease</p> <p>KGU: urea-based grease</p> <p>KGF: anti-fretting grease</p> <p>GK: K-grease</p> <p>refer to page Eng-39~</p> <p>with bellows (refer to page A-18)</p> <p>with rail mounting hole caps</p> <p>with low temperature black chrome treatment</p> <p>with Fiber Sheet</p> <p>symbol for number of axes*</p> <p>blank: single axis</p> <p>W2: 2 parallel axes</p> <p>W3: 3 parallel axes</p> <p>accuracy grade</p> <p>blank: standard</p> <p>H: high</p> <p>P: precision</p>
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*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	L5	P1	P2	S1	D	T	b	E1	E2		
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm		
SGL15HTE	24	16	47	56.5	38.5	62.7	63.1	70.1	38	30	M5	4.4	7.5	19.7	6	5.4		
SGL20HTE	30	21.5	63	71.6	53.2	77.8	78.2	89.2	53	40	M6	5.4	10.5	24	12	11		
SGL25HTE	36	23.5	70	80	59	86.4	87.2	98.2	57	45	M8	6.8	12.5	29				
SGL30HTE	42	31	90	95.7	67.7	104.3	103.3	—	72	52	M10	8.5	10	32.5				
SGL35HTE	48	33	100	109	78	117.6	116.6	—	82	62		8.5	13	38				
SGL45HTE	60	37.5	120	139	102	147.5	148	—	100	80		M12	10.5	15			50	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				basic load rating		allowable static moment			mass		block size	
		H1	C	d × G × h	N	P	dynamic C	static Co	M _P	M _Y	M _R	block		guide rail
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	10.6	16.2	99.5	99.5	126	0.2	1.3	15
8	B-M6F	16	20	6 × 9.5 × 8.5			18.3	27.5	226	226	296	0.4	2.1	20
9.5		20	23	7 × 11 × 9			24.7	36.3	334	334	437	0.6	3.0	25
9		24	28	9 × 14 × 12			33.6	49.2	528	528	716	1.0	4.6	30
8.5		27.5	34				46.6	64.8	796	796	1,180	1.5	6.2	35
10	B-PT1/8	36.5	45	14 × 20 × 17			22.5	105	74.7	101	1,550	1,550	2,310	3.1

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