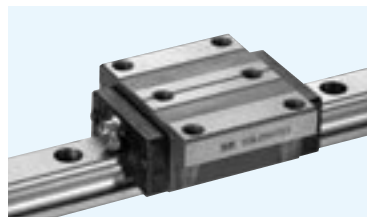


SGL-HTEX TYPE



part number structure

example **SGL 15 HTEX B 2 T1 -589 P/W2 FS LB 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>
--	---

*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	P ₁	P ₂	S ₁	D	T	P ₃	S ₂	f	b	
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SGL15HTEX	24	16	47	56.5	38.5	62.7	63.1	70.1	38	30	M5	4.4	7.5	26	M5	6	19.7	
SGL20HTEX	30	21.5	63	71.6	53.2	77.8	78.2	89.2	53	40	M6	5.4	10.5	35	M6	8	24	
SGL25HTEX	36	23.5	70	80	59	86.4	87.2	98.2	57	45	M8	6.8	12.5	40	M8	10	29	
SGL30HTEX	42	31	90	95.7	67.7	104.3	103.3	—	72	52	M10	8.5	10	44	M10	13	32.5	
SGL35HTEX	48	33	100	109	78	117.6	116.6	—	82	62		13	52	13		38		
SGL45HTEX	60	37.5	120	139	102	147.5	148	—	100	80	M12	10.5	15	60	M12	14	50	

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.

MR, B-0.1, 2-S2, P1, 4-S1 pilot hole D, My, W**, C±0.05, E1, L1, L2, M×P, L (=M×P+2N), N, d, (N), G, M: number of pitches, (E1), (L3), (E2), (L4), (E2), (L5)

double-seals (BW) scraper (BS) reverse-seals (BR)

*Please refer to page A-51 for accuracy.

E ₁	E ₂	T ₁	grease fitting	guide rail dimensions				N	P	basic load rating	dynamic static	allowable static moment			mass		block size
				H ₁	C	d×G×h	mm					mm	C	Co	M _P	M _Y	
mm	mm	mm		mm	mm	mm	mm	mm	kN	kN	N·m	N·m	N·m	kg	kg/m		
6	5.4	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	
12	11	8	B-M6F	16	20	6×9.5×8.5					226	226	296	0.4	2.1	20	
		9.5		20	23	7×11×9					1,180	1,180	437	0.6	3.0	25	
		9		24	28	9×14×12			1,740	1,740	716	1.0	4.6	30			
8.5	27.5	34	2,880	2,880	1,180				1.5	6.2	35						
15	15	10	B-PT1/8	36.5	45	14×20×17			22.5	105	74.7	101	1,550	1,550	2,310	3.1	10.5

M_P and M_Y 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