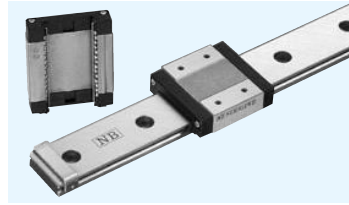


SEBS-WB TYPE

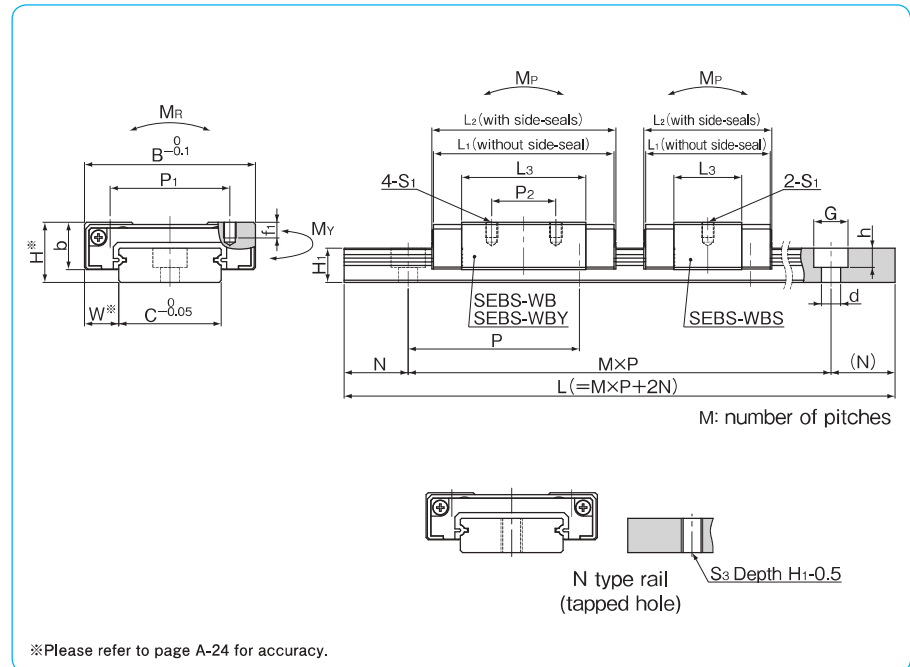
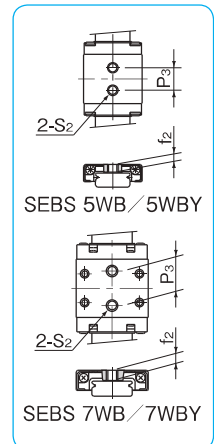
— Retained Ball · Wide Type —
—5/7/9—



part number structure

example **SEBS7WB Y UU 2 T1 -289 N P /W2**

- SEBS**: anti-corrosion
- size**
- block**
- S**: short
- blank**: standard
- Y**: long
- seal** (refer to page A-14)
- blank**: without side-seal
- UU**: with side-seals
- number of blocks attached to one rail**
- preload symbol** (refer to page A-24)
- TO**: clearance
- blank**: standard
- T1**: light
- symbol for number of axes***
- blank**: single axis
- W2**: 2 parallel axes
- W3**: 3 parallel axes
- accuracy grade** (refer to page A-24)
- blank**: high
- P**: precision
- rail mounting hole**
- blank**: counterbore
- N**: tapped hole
- total length of rail**



* 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	P ₁	P ₂	S ₁	f ₁	L ₃	P ₃	S ₂	f ₂	b	
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	
SEBS 5WB	6.5	3.5	17	21.5	21.9	—	—	—	—	14.3	6.5	M3	2.3	5	
SEBS 5WBY				27.5	27.9					20.3	11				
SEBS 7WBS	9	5.5	25	21.1	21.9	19	10	M3	2.8	10.7	—	M4	3.5	7	
SEBS 7WB				30.6	31.4					20.2	12				
SEBS 7WBY				39.3	40.1					28.9	18				
SEBS 9WBS	12	6	30	24.2	25	21	12	M3	3	13	—	—	—	9	
SEBS 9WB				37.5	38.3					26.3					—
SEBS 9WBY				49.5	50.3					23					24

guide rail dimensions							basic load rating		allowable static moment			mass		block size
H ₁	C	B ₁	d×G×h	S ₃	N	P	dynamic C	static Co	M _P	M _Y	M _R	block	guide rail	
mm	mm	mm	mm	mm	mm	mm	kN	kN	N · m	N · m	N · m	g	g/100mm	
4	10	—	3×5.5×3	M3	5	20	0.71	1.17	2.60	2.18	5.99	7	26	
							0.91	1.68	5.16	4.33	8.56			
5.2	14	—	3.5×6×3.2	M4	10	30	1.05	1.26	2.17	1.82	9.07	12	51	
							1.71	2.53	7.78	6.53	18.1			
							2.26	3.80	16.8	14.1	27.2			
7.5	18	—	3.5×6×4.5	M4	10	30	1.73	2.01	4.35	3.65	18.6	21	96	
							2.96	4.36	33.3	27.9	40.4			
							3.87	6.38	18.1	15.2	59.0			

M_{P2} and M_{Y2} are allowable static moments when two blocks are used in close contact. 1kN≒102kgf 1N · m≒0.102kgf · m

part number	standard rail length L mm							
	50	70	90	110	130	150	170	190
SEBS 5WB	50	70	90	110	130	150	170	190
SEBS 7WB	50	80	110	140	170	200	230	260
SEBS 9WB	50	80	110	140	170	200	230	260

	maximum length mm	
	counterbore	tapped hole (N type)
	600	500
	1,300	700
500 530	1,480	1,000

Rails exceeding the maximum specified length may be fabricated if joints are used. Please contact NB for assistance. The minimum standard rail can not be used for SEBS 9 WBY.

