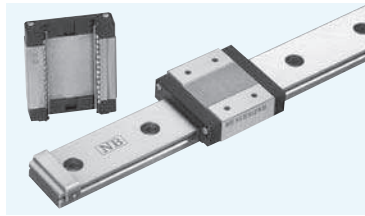


SEBS-WB/SEBS-WBY TYPE

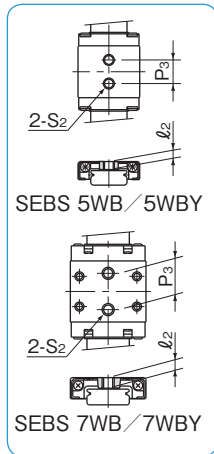
— Retained Ball • Wide Type —



part number structure

example **SEBS 15WB Y UU 2 T1 - 539 N P / W2**

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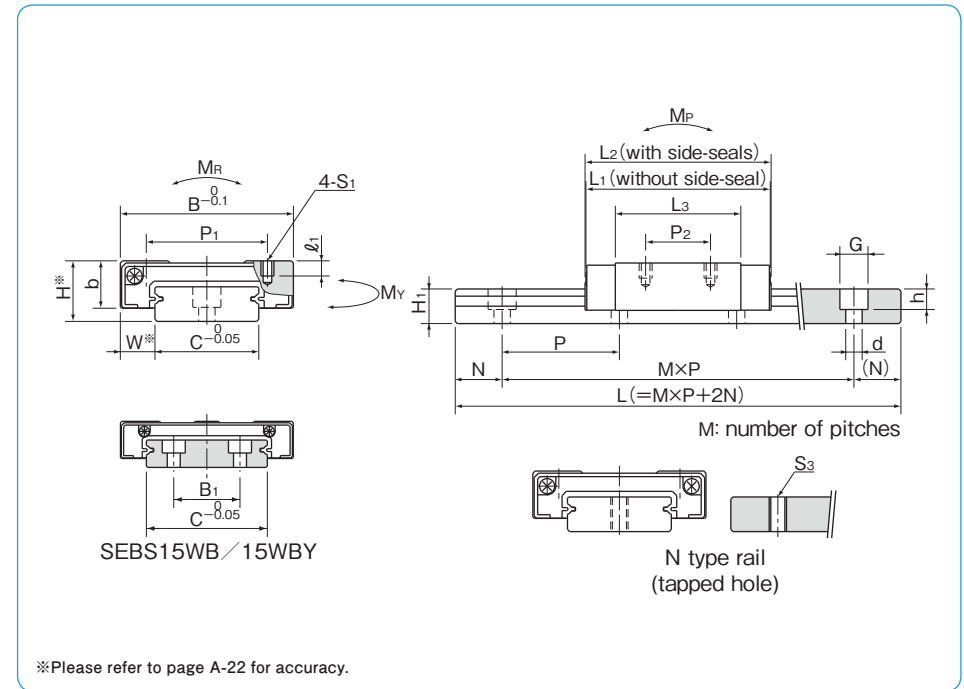


* The symbol for the number of axes does not mean the number of rails ordered.

part number	assembly dimensions		block dimensions											
	H	W	B	L ₁	L ₂	P ₁	P ₂	S ₁	l ₁	L ₃	P ₃	S ₂	l ₂	b
SEBS 5WB	6.5	3.5	17	21.3	21.7	—	—	—	—	14.3	6.5	M3	2.3	5
SEBS 5WBY				27.3	27.7									
SEBS 7WB	9	5.5	25	31.4	31.4	19	10	M3	2.8	20.2	12	M4	3.5	7
SEBS 7WBY				40.1	40.1									
SEBS 9WB	12	6	30	38.5	38.5	21	12	M3	3	26.3	—	—	—	9
SEBS 9WBY				50.5	50.5	23	24							
SEBS12WB	14	8	40	42.6	43	28	15	M3	3.6	29	—	—	—	11
SEBS12WBY				58.1	58.5									
SEBS15WB	16	9	60	54.2	54.6	45	20	M4	4.5	38.8	—	—	—	13
SEBS15WBY				73.3	73.7									

part number	standard rail length L mm														
SEBS 5WB	50	70	90	110	130	150	170	190							
SEBS 7WB	50	80	110	140	170	200	230	260	290	320	350	380	410	440	470
SEBS 9WB	50	80	110	140	170	200	230	260	290	320	350	380	410	440	470
SEBS12WB	70	110	150	190	230	270	310	350	390	430	470	510	550	590	630
SEBS15WB	70	110	150	190	230	270	310	350	390	430	470	510	550	590	630

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 and SEBS 15 WBY.



H ₁	C	guide rail dimensions				N	P	basic load rating			allowable static moment			mass		block size
		B ₁	d×G×h	S ₃	dynamc C			static Co	M _P	M _Y	M _R	block g	guide rail g/100mm			
4	10	—	3×5.5×3	M3	5	20	0.71	1.18	2.61	2.19	6.00	7	26	5WB		
							0.91	1.68	5.17	4.33	8.57	10			5WBY	
5.2	14	—	3.5×6×3.2	M4	10	30	1.71	2.54	7.78	6.53	18.15	20	51	7WB		
							2.27	3.80	16.84	14.13	27.22	28			7WBY	
7.5	18	—	3.5×6×4.5	M4	10	30	2.97	4.37	18.14	15.22	40.41	37	96	9WB		
							3.87	6.38	37.43	31.41	59.05	52			9WBY	
8	24	—	4.5×8×4.5	M5	15	40	4.11	5.74	26.42	22.16	70.29	71	137	12WB		
							5.46	8.61	57.16	47.96	105.44	106			12WBY	
9.5	42	23	4.5×8×4.5	M5	15	40	7.50	10.14	62.27	52.25	215.53	148	286	15WB		
							9.95	15.21	134.73	113.05	323.30	216			15WBY	

1kN≒102kgf 1N·m≒0.102kgf·m

		maximum length mm	
		counterbore	tapped hole (N type)
		600	500
		1,000	700
500	530		
670	710	1,300	1,000
670	710	750	790
		830	870