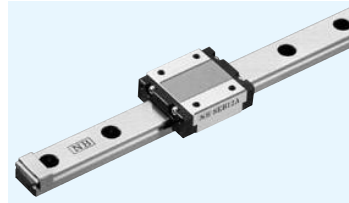


SEB-A TYPE

-2/3/5/7-



part number structure

example **SEBS 7A Y UU 2 T1 -289 N P/W2**

specification (rail)
SEB: standard
SEBS: anti-corrosion

size

block
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

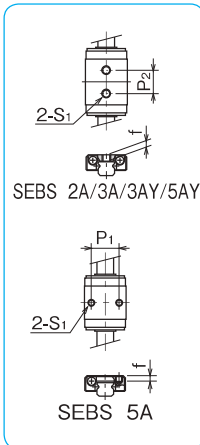
preload symbol (refer to page A-24)
T0: clearance
blank: standard
T1: light

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

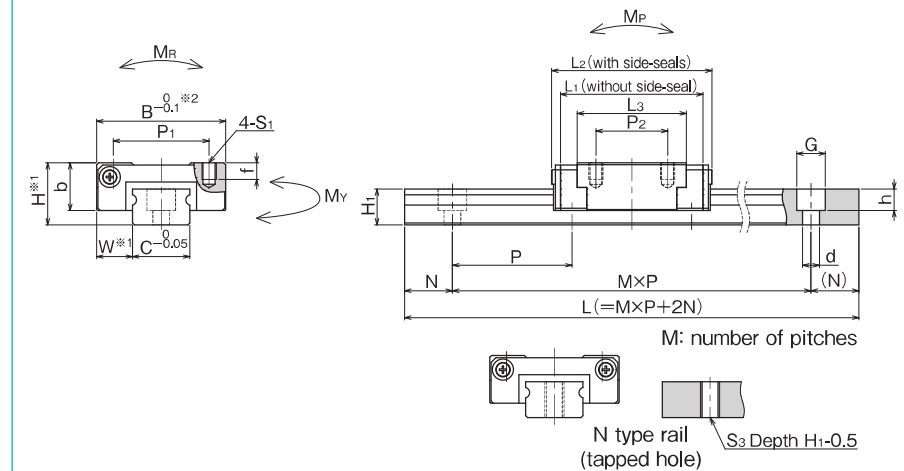


* The symbol for the number of axes does not mean the number of rails ordered.

part number		assembly dimensions		block dimensions								
standard	anti-corrosion	H	W	B	L ₁	L ₂	P ₁	P ₂	S ₁	f	L ₃	b
		mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
—	SEBS 2A	3.2	2	6	12.9	14.3	—	4	M1.4	1.05	9.3	2.5
—	SEBS 3A	4	2.5	8	10.5	11.8	—	3.5	M1.6	1.3	6.5	3
	SEBS 3AY				14.5	15.8	—	5.5	M2		10.5	
—	SEBS 5A	6	3.5	12	15.6	17	8	—	M2	1.5	9.8	4.5
	SEBS 5AY				19.2	20.6	—	7	M2.6	1.8	13.4	
—	SEBS 7A	8	5	17	21.9	24	12	8	M2	2.5	15.1	6.5
	SEBS 7AY				31	33		13			24.6	

part number		standard rail length												
standard	anti-corrosion	L												
		mm												
—	SEBS 2A	32	40	56	80	104								
—	SEBS 3A	30	40	60	80	100								
—	SEBS 5A	40	55	70	85	100	115	130	145	160				
—	SEBS 7A	40	55	70	85	100	115	130	145	160	175	190	205	220 235 250

Joint rails are used when the required length exceeds the maximum standard length listed in the dimension tables.
 Please contact NB for details. Only N type rail is available for SEBS 2A and SEBS 3A.



*1 Please refer to page A-24 for accuracy.

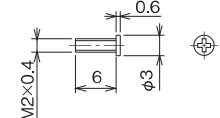
*2 B^{-0.1} only for SEBS 2A, 3A and 3AY.

guide rail dimensions				N	P	basic load rating		allowable static moment			mass		block size
H ₁	C	d×G×h	S ₃			dynamic C	static C ₀	M _P M _{P2}	M _Y M _{Y2}	M _R	block	guide rail	
mm	mm	mm		mm	mm	kN	kN	N·m	N·m	N·m	g	g/100mm	
2	2	—	M1	4	8	0.21	0.38	0.53 2.77	0.64 3.30	0.41	0.8	2.8	2A
2.6	3	—	M1.6	10	10	0.25	0.36	0.39 2.42	0.46 2.88	0.57	1	5	3A
						0.35	0.58	0.97 5.18	1.16 6.18	0.93	2		3AY
4	5	2.4×3.5×1	M2.6	5	15	0.59	0.81	1.32 8.05	1.58 9.60	2.11	4	13	5A
						0.74	1.11	2.39 13.2	2.86 15.7	2.90	5		5AY
4.7	7	2.4×4.2×2.3	M3	15	15	1.08	1.41	3.07 18.9	3.66 22.6	5.18	11	21	7A
						1.59	2.48	8.74 45.1	10.4 53.8	9.07	16		7AY

M_P and M_Y are allowable static moments when two blocks are used in close contact. 1kN≒102kgf 1N·m≒0.102kgf·m

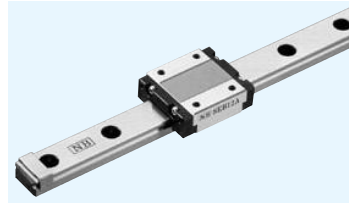
maximum counterbore		length mm	
standard	anti-corrosion	standard	anti-corrosion
—	—	—	150
—	—	—	150
—	600	—	300
265	280	295	310
—	1,300	—	700

SEBS5 rail mounting screw
 SEBS5 counterbore type rails are provided with custom screws for mounting.



SEB-A TYPE

-9/12/15/20-



part number structure

example **SEBS 15A Y UU 2 T1 -589 N P/W2**

specification (rail)
SEB: standard
SEBS: anti-corrosion

size

b|block
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

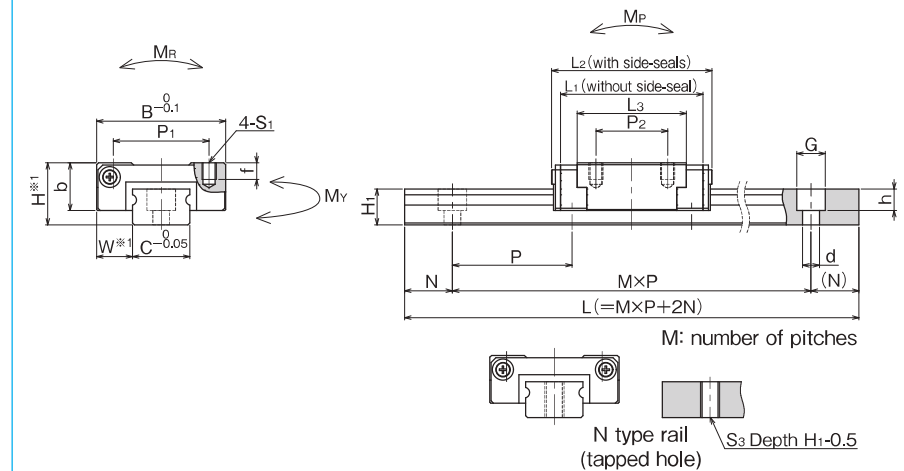
※ The symbol for the number of axes does not mean the number of rails ordered.

part number		assembly dimensions		block dimensions								
standard	anti-corrosion	H	W	B	L ₁	L ₂	P ₁	P ₂	S ₁	f	L ₃	b
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
—	SEBS 9A	10	5.5	20	28.1	29.5	15	10		3	20.4	7.8
	SEBS 9AY				38.1	40		16			30.4	
SEB12A	SEBS12A	13	7.5	27	30	33.5	20	15	M3	3.5	22.8	10
SEB12AY	SEBS12AY				42	45.5		20			34.7	
SEB15A	SEBS15A	16	8.5	32	38.5	42	25	20		4	29.5	12
SEB15AY	SEBS15AY				54.5	58		25			45.4	
SEB20A	SEBS20A	25	13	46	55.7	61	38	38	M4	6	45.7	17.8
SEB20AY	SEBS20AY				79.5	85					69.5	

All the SEB blocks are made of stainless steel (SEBS marking).

part number		standard rail length															
standard	anti-corrosion	L															
mm	mm	mm															
—	SEBS 9A	55	75	95	115	135	155	175	195	215	235	255	275	295	315	335	
SEB12A	SEBS12A	70	95	120	145	170	195	220	245	270	295	320	345	370	395	420	
SEB15A	SEBS15A	70	110	150	190	230	270	310	350	390	430	470	510	550	590	630	
SEB20A	SEBS20A	220	280	340	400	460	520	580	640	700	760	820	880	940	1,000		

Joint rails are used when the required length exceeds the maximum standard length listed in the dimension tables.



※Please refer to page A-24 for accuracy.

guide rail dimensions						basic load rating		allowable static moment			mass		block size	
H ₁	C	d×G×h	S ₃	N	P	dynamic C	static C ₀	M _P	M _Y	M _R	block	guide rail		
mm	mm	mm		mm	mm	kN	kN	N · m	N · m	N · m	g	g/100mm		
5.5	9	3.5×6×3.5	M4	7.5	20	1.92	2.53	7.64	9.11	11.5	19	30	9A	
						2.62	3.94	43.1	51.3	17.9	28		9AY	
7.5	12	3.5×6×4.5		10	25	2.60	3.20	10.4	12.4	20.0	37	60	12A	
						3.65	5.21	25.7	30.7	32.6	55		12AY	
9.5	15		M5	15	40	4.74	5.67	24.5	29.2	43.9	68	100	15A	
						6.65	9.22	60.7	72.4	71.4	101		15AY	
15	20	6×9.5×8.5		M6	20	60	8.99	11.1	72.7	86.7	114	226	209	20A
							12.4	17.8	176	210	182	338		20AY

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	
					counterbore	tapped hole (N type)
					standard	anti-corrosion
355	375	395	415	435	—	—
445	470	495			1,480	1,000
670					1,900	1,900