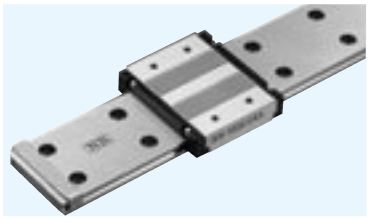
SEB-WA/WAY TYPE

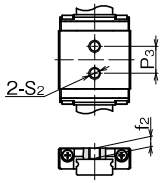
– Wide block –



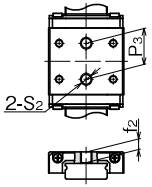
part number structure

example **SEBS 9WA Y UU 2 T1 -289 N P /W2**

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



SEBS 3WA/3WAY



SEBS 7WA/7WD/7WAY

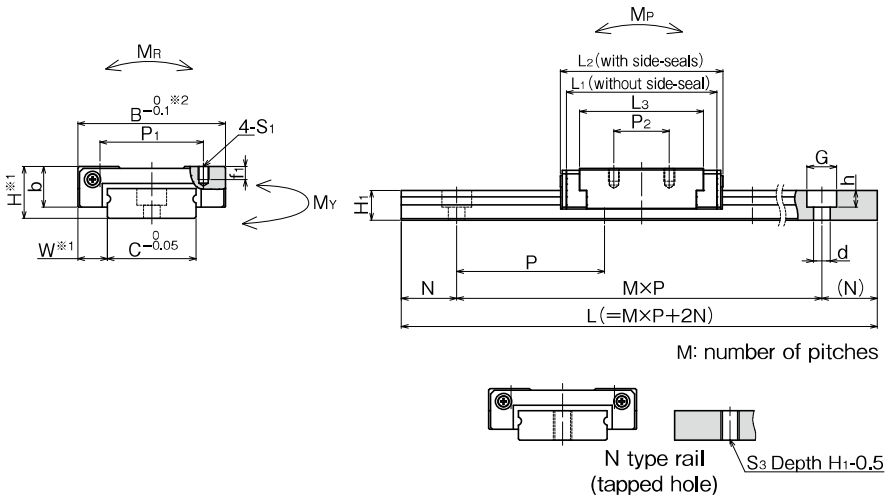
※ The symbol for the number of axes does not mean the number of rails ordered.

part number		assembly dimensions		block dimensions												
standard	anti-corrosion	H	W	B	L1	L2	P1	P2	S1	f1	L3	P3	S2	f2	b	
		mm	mm	mm	mm	mm	mm	mm		mm	mm	mm		mm	mm	
—	SEBS 3WA	4.5	3	12	14.2	15	—	—	—	—	9.7	4.5	M2	1.7	3.5	
	SEBS 3WAY				19	19.8					14.5	8				
—	SEBS 7WA	9	5.5	25	30.1	32	18	12	M2.6	2.5	22.1	12	M4	3.5	7	
—	SEBS 7WD						19	10	M3	2.8						
—	SEBS 7WAY				39.6	41		19			31.6	18				
SEB 9WA	SEBS 9WA	12	6	30	35.9	38	21	12	M2.6	3	28.4	—	—	—	9	
SEB 9WD	SEBS 9WD								M3	2.8						
SEB 9WAY	SEBS 9WAY				48	50	23	24		3	40.4					

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

part number		standard rail length L mm														
standard	anti-corrosion															
—	SEBS 3WA	40	55	70	85	100										
—	SEBS 7WA	50	80	110	140	170	200	230	260	290	320	350	380	410	440	470
SEB 9WA	SEBS 9WA	50	80	110	140	170	200	230	260	290	320	350	380	410	440	470

Joint rails are used when the required length exceeds the maximum standard length listed in the dimension tables.
Please contact NB for details. SEB9WAY block lengths exceed the minimum standard rail length.



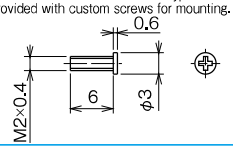
※1 Please refer to page A-22 for accuracy.
※2 B-0.05 only for SEBS 3WA and 3WAY

guide rail dimensions							basic load rating		allowable static moment			mass		block size
H1	C	B1	d×G×h	S3	N	P	dynamic C	static Co	MP / MP2	MY / MY2	MR	block	guide rail	
mm	mm	mm	mm		mm	mm	kN	kN	N・m	N・m	N・m	g	g/100mm	
2.6	6	—	2.4×4×1.5	M3	5	15	0.33	0.54	0.83 / 4.74	0.99 / 5.65	1.67	3	10	3WA
							0.44	0.81	1.81 / 9.24	2.15 / 11.0	2.51	4		3WAY
5.2	14	—	3.5×6×3.2	M4	10	30	1.43	2.12	6.53 / 38.2	7.78 / 45.6	15.2	21	51	7WA
														7WD
							1.90	3.19	14.1 / 73.8	16.8 / 87.9	22.8	30		7WAY
7.5	18	—	3.5×6×4.5				2.49	3.66	15.2 / 77.6	18.1 / 92.5	33.9	38	96	9WA
														9WD
							3.25	5.35	31.4 / 149	37.4 / 178	49.5	55		9WAY

MP2 and MY2 are allowable static moments when two blocks are used in close contact. 1kN≒102kgf 1N・m≒0.102kgf・m

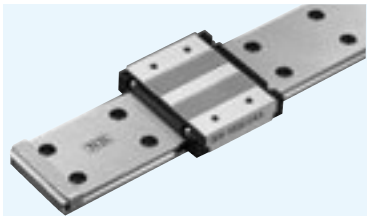
	maximum length mm			
	counterbore		tapped hole (N type)	
	standard	anti-corrosion	standard	anti-corrosion
	—	500	—	150
	—	1,300	—	700
500 530	1,900	1,480	1,900	1,000

SEBS3WA/3WAY rail mounting screw
SEBS3WA/3WAY counterbore type rails are provided with custom screws for mounting.



SEB-WA/WAY TYPE

– Wide block –



part number structure

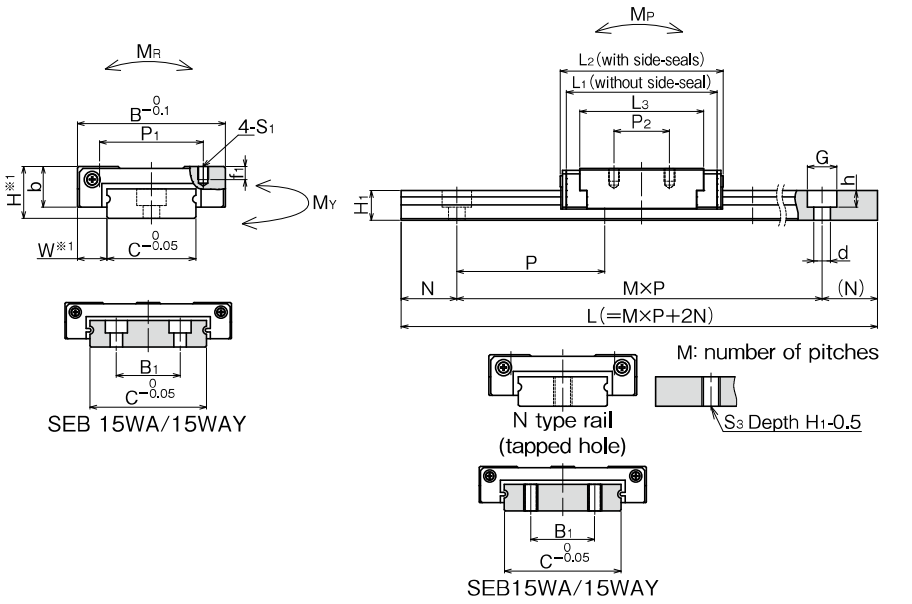
example **SEBS 15WA Y UU 2 T1 -589 N P /W2**

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

※ 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_1	L_3	P_3	S_2	f_2	b
		mm	mm	mm	mm	mm	mm	mm		mm	mm	mm		mm	mm
SEB12WA	**SEBS12WA**	14	8	40	40.7	44	28	15	M3	3.5	33.5	–	–	–	11
SEB12WAY	**SEBS12WAY**				55	58.5		28			47.8				
SEB15WA	**SEBS15WA**	16	9	60	51.2	55	45	20	M4	4.5	42	–	–	–	13
SEB15WAY	**SEBS15WAY**				70.5	74		35			61.1				

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



※Please refer to page A-22 for accuracy.

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_{P2}	M_Y / M_{Y2}	M_R	block	guide rail	
mm	mm	mm	mm		mm	mm	kN	kN	N・m	N・m	N・m	g	g/100mm	
8	24	—	4.5×8×4.5	M5	15	40	3.64	5.21	25.7 126	30.7 150	63.8	77	138	**12WA**
							4.75	7.62	53.2 245	63.4 292	93.3	109		**12WAY**
9.5	42	23					6.29	8.51	52.2 258	62.2 307	180	154	294	**15WA**
							8.35	12.7	113 525	134 625	271	222		**15WAY**

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														
standard	anti-corrosion															
SEB12WA	**SEBS12WA**	70	110	150	190	230	270	310	350	390	430	470	510	550	590	630
SEB15WA	**SEBS15WA**	70	110	150	190	230	270	310	350	390	430	470	510	550	590	630

Joint rails are used when the required length exceeds the maximum standard length listed in the dimension tables.
Please contact NB for details. SEB15WAY block lengths exceed the minimum standard rail length.

						maximum length mm			
						counterbore		tapped hole (N type)	
						standard	anti-corrosion	standard	anti-corrosion
670	710					1,900	1,480	1,900	1,000
670	710	750	790	830	870				