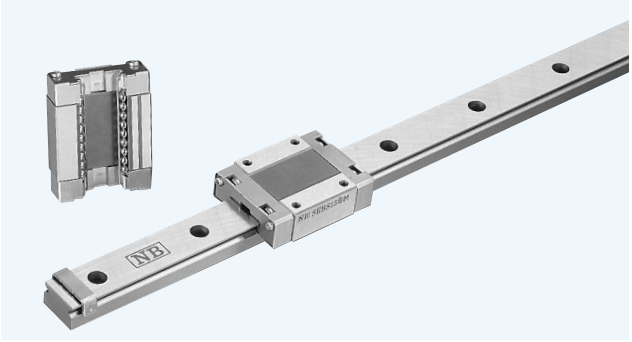
SEBS-BM/BYM Type

– Retained Ball Type –

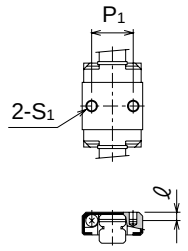


part number structure

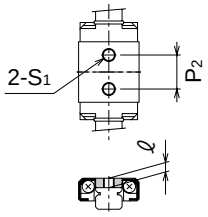
example SEBS 15 B Y M UU 2 T1 -589 P / W2

- SEBS: anticorrosion
- size
- retained ball type
- block size: blank standard; Y long
- return cap: blank resin; M stainless steal
- seal: blank without seal; UU seals on both ends
- number of blocks attached to one rail
- pre-load symbol: T0 clearance; blank standard; T1 light pre-load
- total length of rail
- accuracy grade: blank high; P precision
- symbol for number of rails: blank single rail; W2 double rails; W3 triple rails

Note: The symbol for the number of rails does not mean the number of rails ordered.



SEBS 5

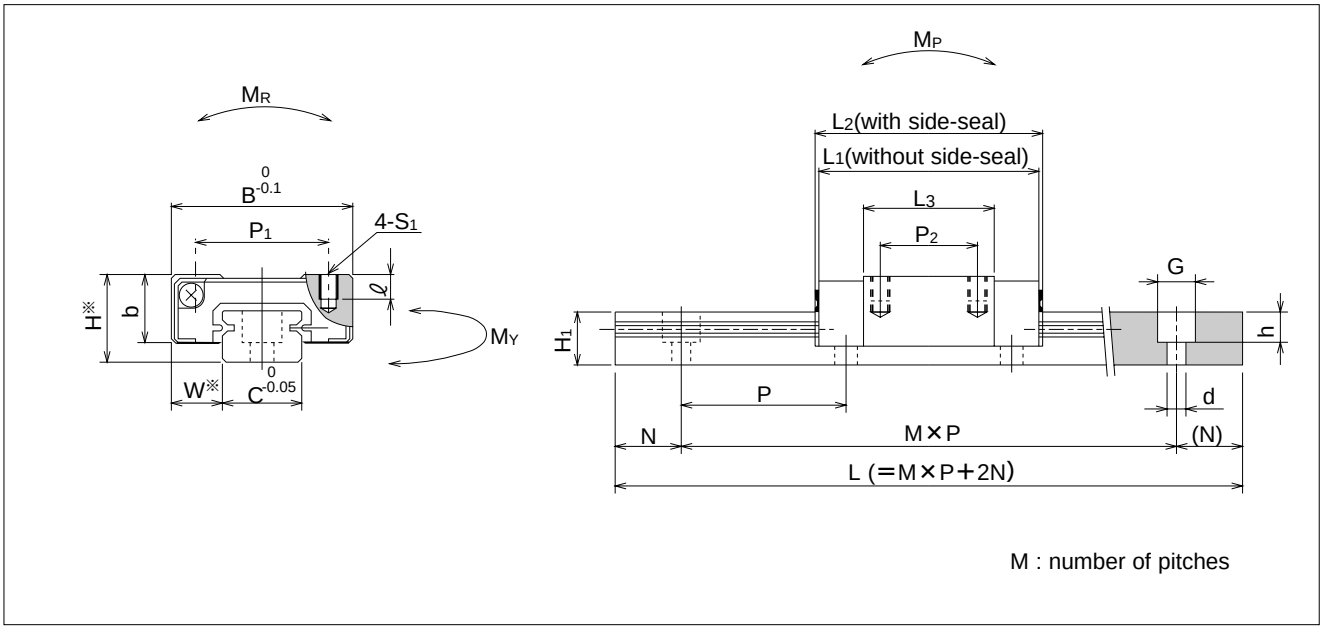


SEBS 5Y

part number	assembly dimensions		block dimensions								
	H	W	B	L_1	L_2	P_1	P_2	S_1	ℓ	L_3	b
stainless return cap	mm	mm	mm	mm	mm	mm	mm		mm	mm	mm
SEBS 5BM	6	3.5	12	16.3	16.7	8	–	M2	1.5	9.3	4.5
SEBS 5BYM				19.3	19.7	–	7	M2.6	1.8	12.3	
SEBS 7BM	8	5	17	23	23	12	8	M2	2.5	12.8	6.5
SEBS 7BYM				32.5	32.5		13			22.3	
SEBS 9BM	10	5.5	20	30.8	30.8	15	10	M3	3	19.6	7.8
SEBS 9BYM				40.3	40.3		16			29.1	
SEBS 12BM	13	7.5	27	33.8	34.2	20	15		3.5	20.2	10
SEBS 12BYM				45.7	46.1		20			32.1	
SEBS 15BM	16	8.5	32	41.6	42	25	20		4	26.6	12
SEBS 15BYM				57.5	57.9		25			42.5	
SEBS 20BM	25	13	46	65.9	65.9	38	38	M4	6	44.7	17.5
SEBS 20BYM				85.7	85.7					64.5	

part number	standard rail length L mm											
SEBS 5BM	40	55	70	85	100	130	160					
SEBS 7BM	40	55	70	85	100	130	160	190	220	250	280	310
SEBS 9BM	55	75	95	115	135	155	175	195	235	275	315	355
SEBS 12BM	70	95	120	145	170	195	220	245	270	295	320	345
SEBS 15BM	70	110	150	190	230	270	310	350	390	430	470	510
SEBS 20BM	220	280	340	400	460	520	580	640	760	880	1,000	

With custom length rails, kindly advise distance (N) from one end of rail to first hole.
Unless we are advised (N) distance by customer, we assume distance (N) to be as state in P.A-19
Joint rails are used when the required length exceeds the maximum standard length listed in the dimensional tables contact NB for details.



※Refer to P.A-18 for description of accuracy

guide-rail dimensions					basic load rating		allowable static moment			mass		guide rail	block size
H_1	C	d×G×h	N	P	dynamic C	static Co	M_P	M_Y	M_R	block kg resin return cap	block kg stainless return cap	kg/m	
mm	mm	mm	mm	mm	kN	kN	N・m	N・m	N・m				
4	5	2.4×3.5×0.8※1	5	15	0.39	0.66	0.9	0.8	1.7	0.003	0.004	0.13	**5B**
					0.52	0.88	1.7	1.4	2.2	0.004	0.005		**5BY**
4.7	7	2.4×4.2×2.3			1.10	1.70	3.5	3.0	6.2	0.009	0.011	0.19	**7B**
					1.93	2.98	11.0	9.3	10.8	0.015	0.017		**7BY**
5.5	9	3.5×6×3.5	7.5	20	1.67	2.47	7.8	6.6	11.5	0.02	0.02	0.31	**9B**
					2.47	3.70	17.6	14.9	17.2	0.03	0.03		**9BY**
7.5	12	3.5×6×4.5	10	25	2.55	3.70	11.7	9.9	23.1	0.03	0.04	0.61	**12B**
					4.15	6.02	31.0	26.3	37.6	0.05	0.06		**12BY**
9.5	15		15	40	4.26	6.36	26.9	22.8	49.2	0.06	0.08	1.02	**15B**
					6.92	10.3	71.1	60.2	80.1	0.10	0.11		**15BY**
15	20	6×9.5×8.5	20	60	8.91	12.7	92.7	78.5	130	0.23	0.27	2.14	**20B**
					12.9	18.5	195	165	189	0.32	0.36		**20BY**

1kN≒102kgf　1N・m≒0.102kgf・m

395	435	475			
370	395	420	445	470	495
550	590	630	670		

SEBS5 rail-mounting bolt

SEBS5 rails are provided with custom bolts for mounting.