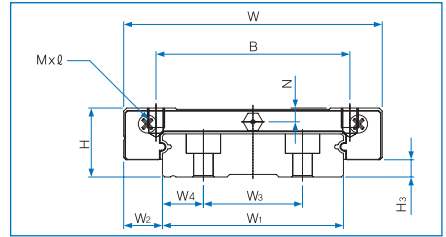
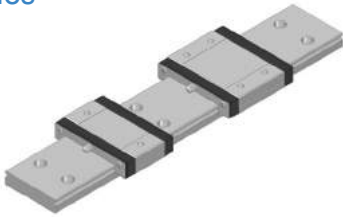


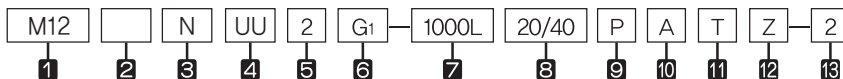
MB Series



Model No.	External dimensions			Dimensions of block							Grease nipple	H ₃
	Height H	Width W	Length L	B	C	M x l	L ₁	N	E			
MB 5C	6,5	17	21	13	–	M2,5 x 1,5	13,4	1,4	–	–	1,3	
MB 5N			25		–		17,4		–	–		
MB 7C	9	25	24	19	–	M3 x 3	12,6	1,7	–	–	2	
MB 7N			33		10		21,6		–	–		
MB 7L			43,5		19		32,1		–	–		
MB 9C	12	30	28,1	21	–	M3 x 3	16,5	3,2	–	–	3	
MB 9N			40,2		12		28,6		–	–		
MB 9L			52		24		40,4		–	–		
MB 12C	14	40	31,1	28	–	M3 x 3,5	17,5	3	–	–	4	
MB 12N			44,5		15		30,9		–	–		
MB 12L			59,7		28		46,1		–	–		
MB 15C	16	60	42,8	45	–	M4 x 4,5	25,2	3,5	4	A=M3	4	
MB 15N			56,6		20		39		4			
MB 15L			75,8		35		58,2		4			

Composition of Model No.

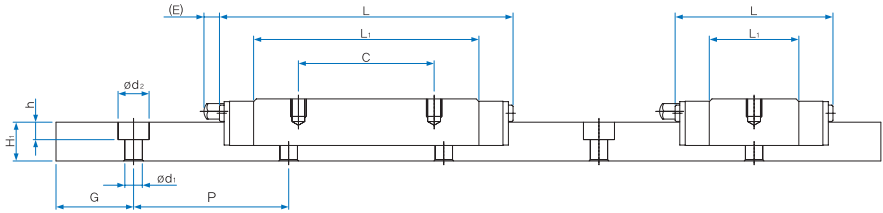
*Bearing steel material of rails for the type of MBT12 and MBT15 are available.



- 1 Model No. of Linear Motion Guide
- 2 Type of block : **No symbol**–Full-ball type
- 3 Form of block : **C**–Rectangular short type / **N**–Rectangular standard type / **L**–Flange long type
- 4 Type of seal : **UU**–End seal / **UULF**–End seal + LF seal (*1)
- 5 Number of blocks combined in 1 rail
- 6 Symbol of clearance : **No symbol**–Normal preload / **G1**–Light preload (*2)
- 7 Length of rail
- 8 Size of G value : standard G value has no symbol.
- 9 Symbol of precision : **No symbol**–Moderate precision / **H**–High precision / **P**–Precision (*3)
- 10 **No symbol**–Rail counter bore type (A topside assembly) / **A**–Rail tap hole type (an underside assembly) (*4)
- 11 Connection symbol
- 12 Special symbol
- 13 Number of axis used on the same surface

(*1) See P89 Symbol List of Optional Parts (*2) See P17 Radial Clearance

(*3) See P24 Selection of Precision Class (*4) See P75 The reference for standard tap hole type of a rail



Unit : mm

Dimensions of Rail							Basic load rating		Static allowance moment N·m					Mass		
Width W ₁	W ₂	W ₃	W ₄	Heigh H ₁	Value G	Pitch P	d ₁ x d ₂ x h	C N	Co N	Mp		My		Mr	Block g	Rail g/m
									1	2(contact)	1	2(contact)	1			
10 ⁰ _{-0.025}	3,5	-	-	4	5	20	2,9x4,8x1,6	668	1,094	2.6	13.3	2.6	13.3	5.63	5.3	299
								80.6	1,430	4.4	21.4	4.4	21.4	7.36	6.8	
14 ⁰ _{-0.05}	5,5	-	-	5,5	10	30	3,5x6x3,2	1,102	1,514	3.4	19.5	3.4	19.5	10.83	11.7	560
								1,631	2,650	10.1	51.1	10.1	51.1	18.95	18.9	
								2,166	3,975	22.5	106.1	22.5	106.1	28.42	27.9	
18 ⁰ _{-0.05}	6	-	-	7	10	30	3,5x6x4,5	1,515	2,121	6.2	33.4	6.2	33.4	19.41	23.4	912
								2,197	3,606	18.2	87.6	18.2	87.6	33.00	39.6	
								2,878	5,303	37.8	172.9	37.8	172.9	48.52	54.9	
24 ⁰ _{-0.05}	8	-	-	8,5	15	40	4,5x8x4,5	2,753	3,339	10.3	57.3	10.3	57.3	40.73	40.5	1369
								4,015	5,723	31.2	152.2	31.2	152.2	69.83	68.4	
								5,539	9,062	73.8	338.7	73.8	338.7	110.56	99.9	
42 ⁰ _{-0.05}	9	23	9,5	9,5	15	40	4,5x8x4,5	4,954	6,056	26.9	145.3	26.9	145.3	128.40	85.5	2886
								6,579	9,085	62.5	306.5	62.5	306.5	192.60	126.0	
								9,076	14,384	147.8	680.6	147.8	680.6	304.94	183.6	

1N=0.102kgf

