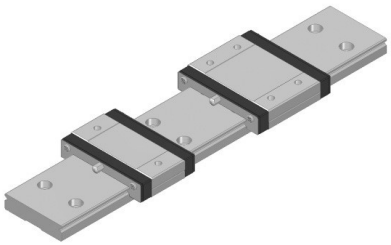
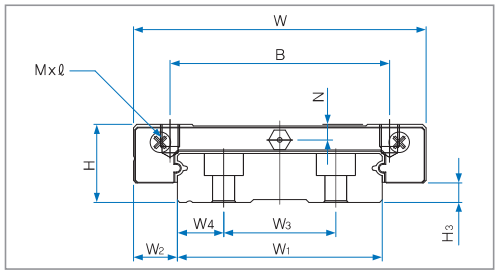
MB Series





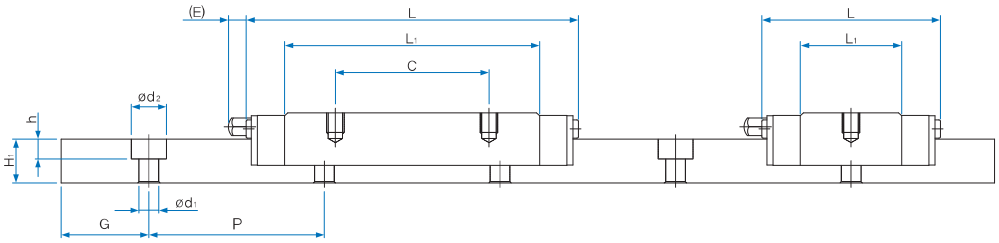
Model N°	External dimensions			Dimensions of block							
	Height H	Width W	Length L	B	C		L_1	N	E	Grease Nipple	H_3
MB 5C	6.5	17	21	13	-	M 2.5 X 1.5	13.4	1.4	-	-	1.3
MB 5N			25		-		17.4				
MB 7C	9	25	24	19	-	M3 X 3	12.6	1.7	-	-	2
MB 7N			33		10		21.6				
MB 7L			43.5		19		32.1				
MB 9C	12	30	28.1	21	-	M3 X 3	16.5	3.2	-	-	3
MB 9N			40.1		12		28.6				
MB 9L			52	23	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				
MBT 13C	15	50	35.3	35	-	M4 X 4.5	18.7	3.1	3.3	A-M3	3
MBT 13N			49.2		18		32.6				
MBT 13L			59.7		35		52				
MB 15C	16	60	42.8	45	-	M4 X 4.5	25.2	3.5	3.3	A-M3	4
MB 15N			56.6		20		39				
MB 15L			75.8		35		58.2				

Composition of Model Name & Number

MB12		N		UU	2	G_1		—	1000L		20/20		P		—	2
1	2	3	4	5	6	7	8		9	10	11	12	13	14		15

1 Model No.
2 Material of block : No symbo–Stainless / T-Carbon steel (*1)
3 Type of block : C–Short type/ N–Standard type / L-Long type
4 No symbol-Standard block /E-Special block specificatio
5 Type of seal: UU–End seal / UULF–End seal+ LF seal (*2)
6 Number of blocks combined in one axis
7 Symbol of clearance: No symbol-Normal preload / G_1-Light preload (*3)
8 Material of end plate: No symbol-Standard material / I - Stainless / N - Aluminum
9 Length of rail
10 Material of rail: No symbol-Stainless / T-Carbon steel
11 Size of G value: Standard G value has no symbol
12 No symbol-Rail counterbore type (top assembly) / A-Rail tap hole type (bottom assembly) (*4)
13 Symbol of precision: No symbol-Moderate / H-High / P-Precision (*5)
14 No symbol-Standard rail / E-Special rail specification
15 Number of axes used in the same plane

(*1) The material of carbon steel is confined to M12-M20
(*2) See Symbol List of Optional parts at page 113
(*3) See Radial Clearance at page 30
(*4) See Standard Tap Hole Type of Rail at page 97
(*5) See Selection of Precision Class at page 32



Unit : mm

Dimensions of rail								Basic load rating		Static allowance moment Nm						Mass	
										Mp		My		Mr			
Tolerance	W2	W3	W4	Height H1	G	Pitch P	d1xd2xh	C N	Co N	1 block	Double blocks	1 block	Double blocks	1 block		Block g	Rail g/m
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
								806	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	
30 0 -0.05	10	-	-	9	15	40	4.5x8x4.5	3,694	4,351	14.3	82.8	14.3	82.8	66.1		60.0	2086
								5,457	7,599	43.7	219.3	43.7	219.3	115.5		103.8	
								7,576	12,142	111.5	517.4	111.5	517.4	184.6		165.5	
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