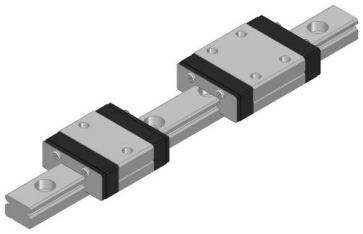
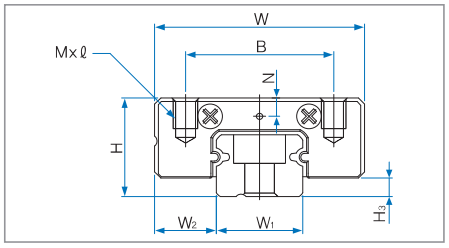
M Series



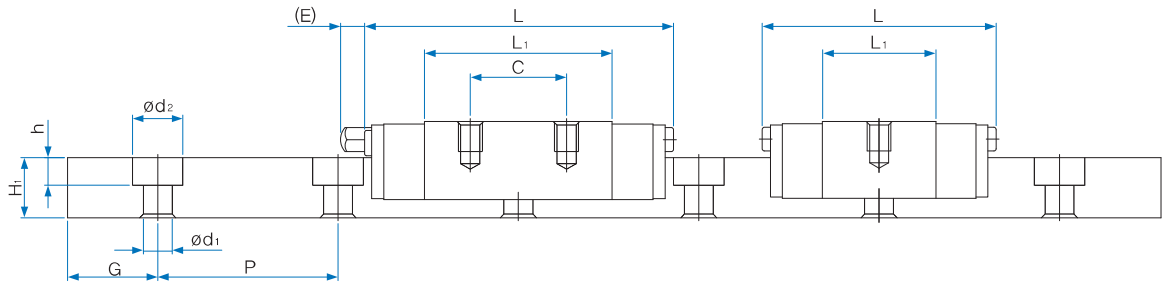


Model N°	External dimensions			Dimensions of block							
	Height H	Width W	Length L	B	C		L_1	N	E	Grease Nipple	H_3
M5C	6	12	17	8	-	M2 X 1,5	9,4	1,2	-	-	1
M5N			20				12,4				
M5NA				-	7	M2,6 X 1,5					
M7C	8	17	19.8	12	-	M2 X 2,5	9,6	1,5	-	-	1.5
M7N			24.3		8		14,1				
M7L			31.8		13		21,6				
M7LA			31.0		12		20,8				
M9C	10	20	22.4	15	-	M3 X 3	11,8	2,2	-	-	2
M9N			31.3		10		20,7				
M9L			41.4		16		30,8				
M9LA					15						
M12C	13	27	26.4	20	-	M3 X 3,5	12,8	2,7	-	-	3
M12N			34.9		15		21,3				
M 12L			45.4		20		31,8				
M15C	16	32	34.4	25	-	M3 X 4	17,7	3,1	3.3	A-M3	4
M 15N			44.4		20		27,7				
M15L			59.4		25		42,7				
M20C	20	40	39.8	30	-	M4 X 6	22,2	4,2	3.3	A-M3	5
M 20N			51.8		25		34,2				
M 20L			69.8		30		52,2				

M12		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	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
5 +0 -0.02	3.5	3.7	5	15	2.4x3.6x0.8	516	757	1.3	7.1	1.3	7.1	2.01	3.1	139
						631	1009	2.2	11.6	2.2	11.6	2.67	4.0	
7 +0 -0.02	5	5	5	15	2.4x4.2x2.3	901	1136	1.9	11.8	1.9	11.8	4.14	6.4	253
						1197	1703	4.2	23.1	4.2	23.1	6.22	9.0	
						1631	2650	10.1	50.0	10.1	50.0	9.67	12..6	
						1549	2460							
9 +0 -0.02	5.5	6	7.5	20	3.5x6x3.5	1180	1485	3.1	17.9	3.1	17.9	6.90	9.9	391
						1721	2545	9.3	46.6	9.3	46.6	11.84	17.1	
						2375	4030	21.9	102.8	21.9	102.8	18.74	25.2	
12 +0 -0.025	7.5	8	10	25	3.5x6.5x4.5	2175	2385	5.4	32.9	5.4	32.9	14.79	19.8	679
						3023	3816	14.4	75.8	14.4	75.8	23.66	31.5	
						4246	6200	34.8	169.1	34.8	169.1	38.44	45.9	
15 +0 -0.025	8.5	10	15	40	3.5x6.5x4.5	3418	3895	12.2	71.6	12.2	71.6	29.99	37.8	1071
						4540	5842	28.6	148.7	28.6	148.7	44.99	57.6	
						6492	9737	73.5	351.2	73.5	351.2	74.98	85.5	
20 +0 -0.03	10	11	20	60	6x9.5x5.5	4512	5299	20.7	115.9	20.7	115.9	54.05	80.1	1572
						6191	8328	50.2	252.7	50.2	252.7	84.94	119.7	
						8396	12870	118.6	554.4	118.6	554.4	131.27	176.4