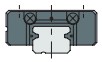
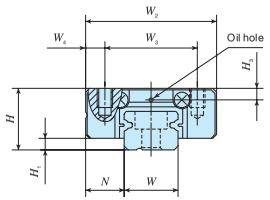
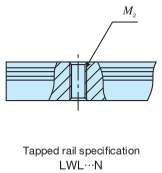
Standard type

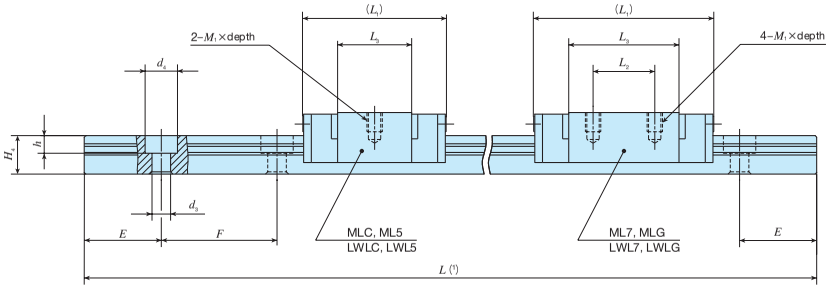
Shape: ML • LWL



Size	1	2	3	5	7
	9	12	15	20	25



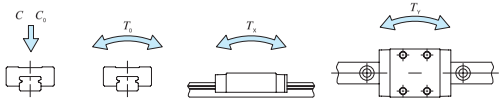




Identification number		Interchangeable	Mass (Ref.) g		Dimensions of assembly mm			Dimensions of slide unit mm								Dimensions of track rail mm							Appended mounting bolt for track rail (2) mm	Basic dynamic load rating (4)	Basic static load rating (4)	Static moment rating (4)		
ML series	LWL series (No C-Lube)		Slide unit	Track rail (per 100 mm)	H	H_1	N	W_2	W_3	W_4	L_1	L_2	L_3	M_1×depth	H_3	W	H_4	M_2	d_3	d_4	h	E	F	Bolt size× ℓ	C N	C_0 N	T_0 N·m	T_X N·m	T_Y N·m
MLC 5	LWLC 5···B	○	3.4	12	6	1	3.5	12	8	2	16	–	9.6	M2×1.5	1.2	5	3.7	–	2.4	3.6	0.8	7.5	15	Cross-recessed head screw for precision equipment M2×6	562	841	2.2	1.4 8.5	1.2 7.2
–	LWLC 5···N*	–		13														M2.5 Through	–	–	–			M2.5× ℓ (3) (Not appended)					
ML 5		○	4.3	12							19		12.6					–	2.4	3.6	0.8			Cross-recessed head screw for precision equipment M2×6	676	1 090	2.9	2.3 12.8	1.9 10.8
	LWL 5···B	○	4.4																									
–	LWL 5···N*	–		13														M2.5 Through	–	–	–			M2.5× ℓ (3) (Not appended)					
MLC 7		○	6.7	22	8	1.5	5	17	12	2.5	19	–	9.6	M2×2.5	1.5	7	5	–	2.4	4.2	2.3	7.5	15	Hexagon socket head bolt M2×6	937	1 140	4.1	1.8 14.9	1.5 12.5
	LWLC 7···B	○	7.1																									
–	LWLC 7···N*	–		24														M3 Through	–	–	–			M3× ℓ (3) (Not appended)					
ML 7		○	9.1	22							23.5	8	14.3					–	2.4	4.2	2.3			Hexagon socket head bolt M2×6	1 330	1 890	6.9	4.7 28.2	3.9 23.6
	LWL 7···B	○	10																									
–	LWL 7···N*	–		24														M3 Through	–	–	–			M3× ℓ (3) (Not appended)					
MLG 7		○	13	22							31	12	21.6					–	2.4	4.2	2.3			Hexagon socket head bolt M2×6	1 690	2 650	9.7	8.8 50.7	7.4 42.5
	LWLG 7···B	○	14																									
–	LWLG 7···N*	–		24														M3 Through	–	–	–			M3× ℓ (3) (Not appended)					

Notes (1) Track rail lengths L are shown in Table 3.1 on page Ⅱ-10.
(2) The appended track rail mounting bolts are hexagon socket head bolts equivalent to JIS B 1176 or cross recessed head screws for precision equipment.
(3) Choose screws whose dimension allow fixing thread depth into track rail ℓ to be less than H_4.
(4) The direction of basic dynamic load rating (C), basic static load rating (C_0), and static moment rating (T_0, T_X, T_Y) are shown in the sketches below.
The upper values of T_X and T_Y are for one slide unit and the lower values are for two slide units sticking.
If hybrid C-Lube Linear Way specification (supplemental code "/HB") is selected in MLC7, ML7, and MLG7, see Table 10 on page Ⅱ-17.

Remarks 1. The specification of oil hole is shown in Table 13 on page Ⅱ-18.
2. The identification numbers with * are our semi-standard items.



Example of identification number of assembled set

Model code	Dimensions	Part code			Model code	Preload symbol	Classification symbol	Interchangeable code	Special specification
ML	C	7	C2	R120		T1	P	S1	/D
①	②	④	⑤	⑥	①	⑦	⑧	⑨	⑩

① Model

ML	Standard type
LWL···B	
LWL···N	

② Length of slide unit

C	Short
No symbol	Standard
G	Long

④ Size: 5, 7

⑤ Number of slide unit (2)

⑥ Length of track rail (120 mm)

⑦ Preload amount

T0	Clearance
No symbol	Standard
T1	Light preload

⑧ Accuracy class

H	High
P	Precision

⑨ Interchangeable

S1	S1 specification
S2	S2 specification
No symbol	Non-interchangeable specification

⑩ Special specification: A, BS, D, E, HB, Ⅰ, LR, MN, N, Q, RE, S, W, Y

1N=0.102kgf=0.2248lbs.
1mm=0.03937inch