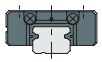
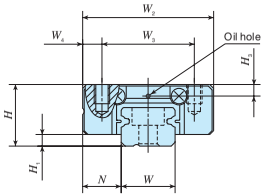
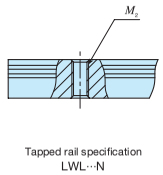
Standard type

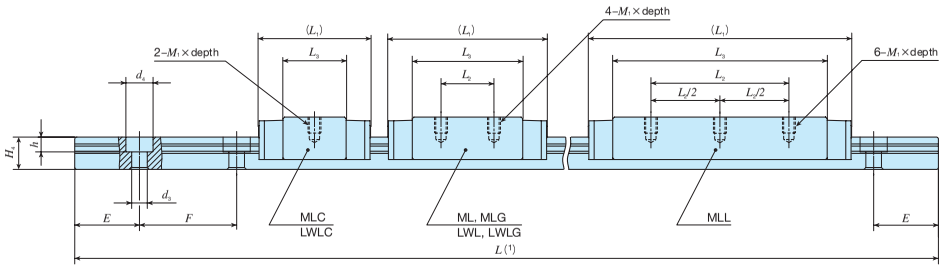
Shape: ML • LWL



Size	1	2	3	5	7
	9	12	15	20	25

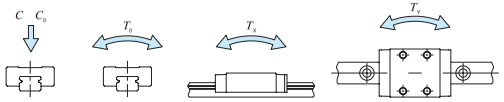






Identification number		Interchangeable	Mass (Ref.) g		Dimensions of assembly mm			Dimensions of slide unit mm							Dimensions of track rail mm								Appended mounting bolt for track rail (2) mm	Basic dynamic load rating (4)	Basic static load rating (4)	Static moment rating (4)		
ML series	LWL series (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 9	LWLC 9···B	○	11	35	10	2	5.5	20	15	2.5	21.5	–	11.9	M3×3	2.2	9	6	–	3.5	6	3.5	10	20	M3×8	1 180	1 480	6.9	2.9 / 21.4	2.4 / 18.0
–	LWLC 9···N*	–		37														M4 Through	–	–	–			M4× ℓ (3) (Not appended)					
ML 9		○	18	35							30	10	20.8					–	3.5	6	3.5			M3×8	1 810	2 760	12.8	9.1 / 51.1	7.6 / 42.9
	LWL 9···B	○	19																										
–	LWL 9···BCS	○																											
–	LWL 9···N*	–		37														M4 Through	–	–	–			M4× ℓ (3) (Not appended)					
MLG 9		○	26	35							40.5	15	30.9					–	3.5	6	3.5			M3×8	2 370	4 030	18.7	18.7 / 98.3	15.7 / 82.5
	LWLG 9···B	○	28																										
–	LWLG 9···N*	–		37														M4 Through	–	–	–			M4× ℓ (3) (Not appended)					
MLL 9	–	○	34	35							50	26	40.4					–	3.5	6	3.5			M3×8	2 870	5 300	24.6	31.9 / 157	26.7 / 132
MLC 12	LWLC 12···B	○	22	65	13	3	7.5	27	20	3.5	25	–	13	M3×3.5	2.7	12	8	–	3.5	6.5	4.5	12.5	25	M3×8	2 210	2 380	14.8	5.3 / 41.7	4.5 / 35.0
ML 12		○	34								34	15	21.6												3 330	4 290	26.6	15.4 / 93.1	12.9 / 78.2
	LWL 12···B	○	35																										
–	LWL 12···BCS	○																											
MLG 12		○	48								44	20	32												4 310	6 200	38.4	30.6 / 168	25.7 / 141
	LWLG 12···B	○	51																										
MLL 12	–	○	70								59.5	30	47.3												5 820	9 540	59.1	69.8 / 339	58.6 / 285

Notes (1) Track rail lengths L are shown in Table 3.1 on page Ⅱ-10 and Table 3.3 on page Ⅱ-12.
(2) The appended track rail mounting bolts are hexagon socket head bolts equivalent to JIS B 1176. For stainless steel model, stainless steel made bolts are appended.
(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 ML series, 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	Material code	Preload symbol	Classification symbol	Interchangeable code	Special specification
ML	G	9	C2	R160			T_1	P	S1	/D
①	②	③	④	⑤	①	⑥	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
L	Extra high rigidity long

③ Size: 9, 12

④ Number of slide unit (2)

⑤ Length of track rail (160 mm)

⑥ Material type

No symbol	Stainless steel made
CS	High carbon steel made

⑦ Preload amount

T_0	Clearance
No symbol	Standard
T_1	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, U, W, Y

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