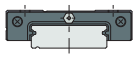
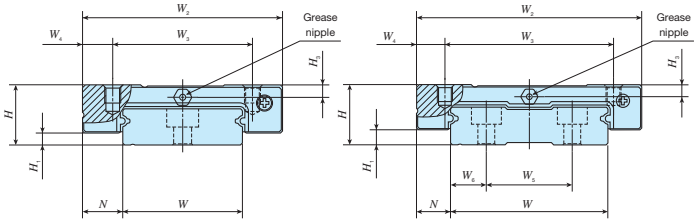
Wide type

MLF • LWLF

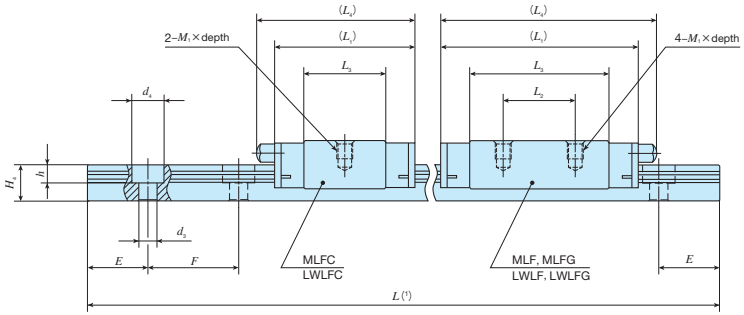
Shape



Size					
2	4	6	10	14
18	24	30	42	

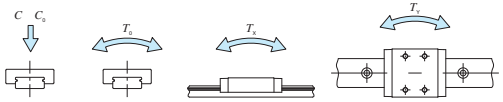


MLFC 42, LWLFC 42
MLF 42, LWLF 42
MLFG 42, LWLFG 42



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 (3)	Basic static load rating (3)	Static moment rating (3)		
MLF series	LWLF 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	L_4	M_1×depth	H_3	W	H_4	W_5	W_6	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
MLFC 30	LWLFC 30···B	○	70	198	15	3	10	50	35	7.5	35.5	–	20.5	40	M4×4.5	3.1	30	9	–	–	4.5	8	4.5	20	40	M4×12	3 890	4 540	69.1	15.4 107	13.0 89.9
MLF 30		○	111								49.5	18	34.8	54													5 970	8 440	128	48.7 256	40.8 215
	LWLF 30···B	○	112																												
–	LWLF 30···BCS	○																													
MLFG 30		○	167								68.5	35	53.8	73													7 810	12 300	187	100 508	84.3 426
	LWLFG 30···B	○	170																												
MLFC 42		○	95								41.5	–	25.7	46													5 440	6 810	144	30.8 180	25.8 151
	LWLFC 42···B	○											25.3														5 030	6 050	128	24.8 164	20.8 137
MLF 42		○	138										39.4																		
	LWLF 42···B	○	140	294	16	4	9	60	45	7.5	55	20	39	60	M4×4.5	3.2	42	10	23	9.5	4.5	8	4.5	20	40	M4×12	7 050	9 840	209	61.3 333	51.4 280
–	LWLF 42···BCS	○																													
MLFG 42		○	200								74.5	35	58.7	79													9 520	15 100	321	140 674	117 565
	LWLFG 42···B	○	204										58.3														9 200	14 400	305	126 644	106 541

Notes (1) Track rail lengths L are shown in Table 3.2 on page Ⅱ−11 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 bolts are appended.
(3) 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 in close contact.
Remark: The specifications of grease nipple are shown in Table 14 on page Ⅱ−18.



Example of identification number of assembled set

Model code		Dimensions	Part code		Model code	Material code	Preload symbol	Classification symbol	Interchangeable code	Supplemental code
MLF	G	42	C2	R320	—	—	T1	P	—	/D
①	②	③	④	⑤	①	⑥	⑦	⑧	⑨	⑩

① Model

MLF	Wide type
LWLF···B	

② Length of slide unit

C	Short
No symbol	Standard
G	Long

③ Size: 30, 42

④ Number of slide unit (2)

⑤ Length of track rail (320 mm)

⑥ Material type

No symbol	Stainless steel made
CS	High carbon steel made

⑦ Preload amount

T0	Clearance
No symbol	Standard
T1	Light preload

⑧ Accuracy class

H	High
P	Precision

⑨ Interchangeable

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

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

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