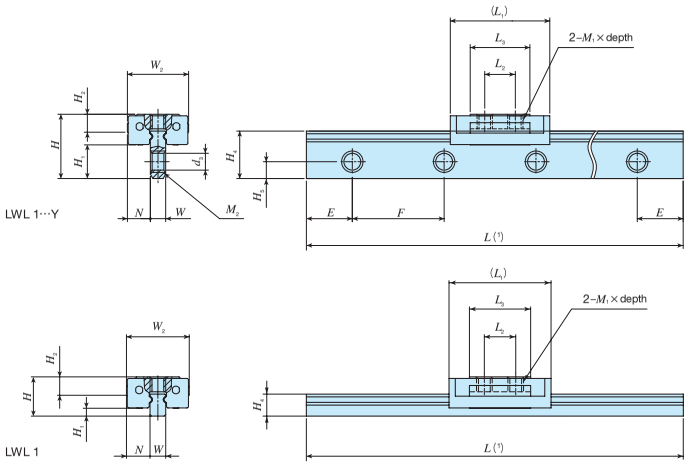
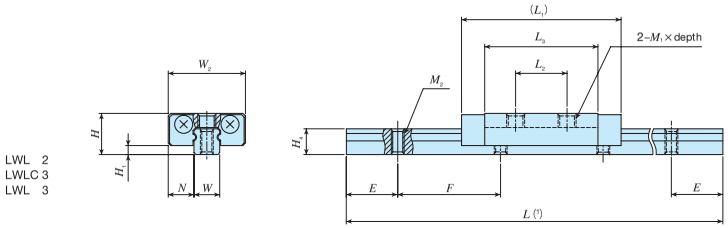
Standard type

Shape	LWL				
Size	1	2	3	5	7
	9	12	15	20	25

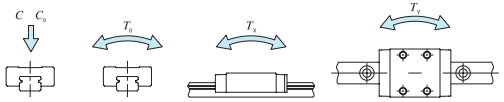




Identification number		Interchangeable	Mass (Ref.) g		Dimensions of assembly mm			Dimensions of slide unit mm						Dimensions of track rail mm							Appended mounting bolt for track rail (2) mm	Basic dynamic load rating (3)	Basic static load rating (3)	Static moment rating (5)		
ML series	LWL series (No C-Lube)		Slide unit	Track rail (per 100 mm)	H	H_1	N	W_2	L_1	L_2	L_3	M_1×depth	H_2		W	H_4	H_5	M_2	d_3	E	F	Bolt size×ℓ	C N	C_0 N	T_0 N·m	T_X N·m	T_Y N·m
–	LWL 1···Y	–	0.16	2.1	4.2	2.2	1.5	4	6.5	2	3.9	M1 ×0.9	1.2		1	3.1	1.1	M1.4 Through	1.1	3	6	M1×ℓ or M1.4×ℓ (3)	66.8	113	0.06	0.07 0.47	0.09 0.56
–	LWL 1	–		1.0	2.5	0.5										1.4	–	–	–	–	–	–					
–	LWL 2	–	0.9	2.8	3.2	0.7	2	6	12.5	4	8.8	M1.4×1.1	–		2	2	–	M1 Through	–	4	8	M1 ×ℓ (4)	211	381	0.42	0.54 2.9	0.64 3.5
–	LWLC 3	–	1.0	5.3	4	1	2.5	8	11.5	3.5	6.7	M1.6×1.3	–		3	2.6	–	M1.6 Through	–	5	10	M1.6×ℓ (4)	251	361	0.58	0.39 2.7	0.47 3.2
–	LWL 3	–	1.6						15.5	5.5	10.7	M2 ×1.3											353	587	0.94	0.98 5.6	1.2 6.7

Notes (1) Track rail lengths L are shown in Table 3.1 on page Ⅱ-10.
(2) Track rail mounting bolts are not appended.
(3) Prepare screws according to mounting structure.
(4) Choose screws whose dimension allow fixing thread depth into track rail ℓ to be less than H_4.
(5) 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.

Remarks 1. Metal parts are made of stainless steel.
2. Do not disassemble a slide unit from the track rail because steel balls are not retained. No end seal is attached.
3. The specification of small size mounting bolts (M2 and less) are show on page Ⅱ-22. If needed, please contact IKO.



Example of identification number of assembled set

Model code		Dimensions	Part code		Model code	Preload symbol	Classification symbol	Special specification
LWL		2	C2	R80		T0	P	/D
①	②	③	④	⑤	①	⑥	⑦	⑧

① Model

LWL	Standard type
LWL···Y	

② Length of slide unit

C	Short
No symbol	Standard

③ Size: 1, 2, 3

④ Number of slide unit (2)

⑤ Length of track rail (80 mm)

⑥ Preload amount

T0	Clearance

⑦ Accuracy class

No symbol	Ordinary
H	High
P	Precision

⑧ Special specification: BS, D, E, I , MN, W, Y

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