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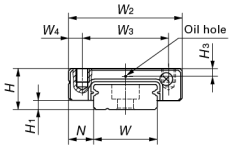
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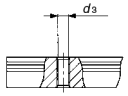
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LWLFC, LWLF, LWLFG



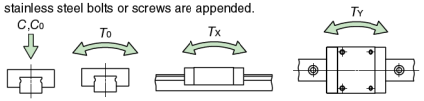


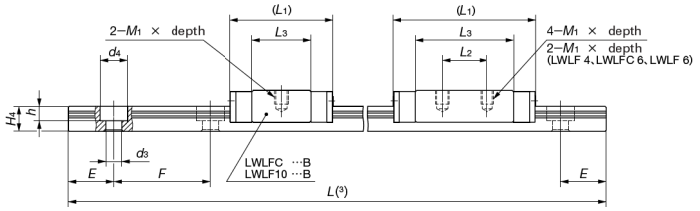
Tapped rail specification
LWLF ··· N

Model number	Interchangeable	Mass (Ref.) g: Slide unit	Mass (Ref.) g: Track rail (per 100 mm)	Dimensions of assembly mm: H	H1	N	Dimensions of slide unit mm: W2	W3	W4	L1	L2	L3	M1 × depth	H3	W
LWLF 4(1)		2.1	6.8	4	1	3	10	—	5	17	6.5	11.9	M2 ×1.3	—	4
LWLFC 6(1)		2.4	13	4.5	1	3	12	—	6	15	4.5	9.8	M2 ×1.6	—	6
LWLFC 6 ··· N(1)			12												
LWLF 6(1)		3.4	13							20	8	14.6			
LWLF 6 ··· N(1)			12												
LWLFC 10 ··· B	☆	5.9	28	6.5	1.5	3.5	17	13	2	20.5	—	13.6	M2.5 × 1.5	1.3	10
LWLFC 10 ··· N			29												
LWLF 10 ··· B	☆	7.5	28							24.5		17.6			
LWLF 10 ··· N			29												
LWLFC 14 ··· B	☆	13	54	9	2	5.5	25	19	3	22.5	—	13	M3 ×3	1.7	14
LWLFC 14 ··· N			56												
LWLF 14 ··· B	☆	21	54							31.5	10	22			
LWLF 14 ··· N			56												
LWLFG 14 ··· B	☆	31	54							42	19	32.5			
LWLFG 14 ··· N			56												
LWLFC 18 ··· B	☆	26	90	12	3	6	30	21	4.5	26.5	—	16.6	M3 ×3	2.5	18
LWLFC 18 ··· N			92												
LWLF 18 ··· B	☆	44	90							39	12	28.6			
LWLF 18 ··· N			92												
LWLF 18 ··· BCS	☆		90												
LWLFG 18 ··· B	☆	61						23	3.5	50.5	24	40.4			
LWLFG 18 ··· N			92												

Note(1): Steel balls are not retained in LWLF 4, LWLFC 6, LWLFC 6 ··· N, LWLF 6, and LWLF 6 ··· N. These models are not provided with end seals and an oil hole.
(2): Prepare track rail mounting bolts with a proper bolt length l such that the fixing depth becomes less than H_4.
(3): Track rail lengths L are shown in Table 17.
(4): The directions of basic dynamic load rating (C), basic static load rating (C_0), and static moment rating (T_0, T_X, and T_Y) are shown in the sketches below.
The upper values in the T_X and T_Y columns apply to one slide unit, and the lower values apply to two slide units in close contact.

Remarks 1. The mark ☆ indicates that interchangeable specification products are available.
2. The appended bolts for mounting track rails are hexagon socket head bolts of JIS B 1176 or equivalent, or cross recessed head screws for precision equipment. For stainless steel series Linear Way L, stainless steel bolts or screws are appended.





Dimensions of track rail mm: H4	d3	d4	h	E	F	Appended mounting bolt for track rail mm: Bolt size × ℓ	Basic dynamic load rating(4) C N	Basic static load rating(4) C0 N	Static moment rating(4) T0 N-m	TX N-m	TY N-m	Model number
2.6	1.8	2.8	0.75	5.0	10	Cross recessed head screw for precision equipment M1.6 × 5	373	703	1.5	1.3 7.3	1.6 8.7	LWLF 4(1)
2.8	2.4	4	1.5	7.5	15	Cross recessed head screw for precision equipment M2 × 4	321	562	1.7	0.87 5.3	1.0 6.3	LWLFC 6(1)
	M 3 Through	—	—			(not appended)(2)						LWLFC 6 ··· N(1)
	2.4	4	1.5			Cross recessed head screw for precision equipment M2 × 4	421	843	2.6	1.9 10.2	2.2 12.2	LWLF 6(1)
	M 3 Through	—	—			(not appended)(2)						LWLF 6 ··· N(1)
4	2.9	4.8	1.6	10	20	Cross recessed head screw for precision equipment M2.5 × 7	643	1 220	6.3	2.7 15.4	2.3 13.0	LWLFC 10 ··· B
	M 3 Through	—	—			(not appended)(2)						LWLFC 10 ··· N
	2.9	4.8	1.6			Cross recessed head screw for precision equipment M2.5 × 7	760	1 570	8.1	4.4 23.3	3.7 19.5	LWLF 10 ··· B
	M 3 Through	—	—			(not appended)(2)						LWLF 10 ··· N
5.5	3.5	6	3.2	15	30	Hexagon socket head bolt M3 × 8	1 120	1 770	12.6	4.0 25.6	3.3 21.4	LWLFC 14 ··· B
	M 4 Through	—	—			(not appended)(2)						LWLFC 14 ··· N
	3.5	6	3.2			Hexagon socket head bolt M3 × 8	1 580	2 940	21.0	10.4 56.7	8.7 47.6	LWLF 14 ··· B
	M 4 Through	—	—			(not appended)(2)						LWLF 14 ··· N
	3.5	6	3.2			Hexagon socket head bolt M3 × 8	2 040	4 320	30.9	21.8 108	18.3 90.8	LWLFG 14 ··· B
	M 4 Through	—	—			(not appended)(2)						LWLFG 14 ··· N
7	3.5	6.5	4.5	15	30	Hexagon socket head bolt M3 × 8	1 360	2 200	20.1	5.8 37.2	4.8 31.3	LWLFC 18 ··· B
	M 4 Through	—	—			(not appended)(2)						LWLFC 18 ··· N
	3.5	6.5	4.5			Hexagon socket head bolt M3 × 8	2 010	3 960	36.2	17.5 93.4	14.7 78.4	LWLF 18 ··· B
	M 4 Through	—	—			(not appended)(2)						LWLF 18 ··· N
	3.5	6.5	4.5			Hexagon socket head bolt M3 × 8						LWLF 18 ··· BCS
	M 4 Through	—	—			(not appended)(2)	2 500	5 500	50.3	33.0 165	27.7 139	LWLFG 18 ··· B
												LWLFG 18 ··· N

Example of identification number of assembled set

LWLF 18 C2 R240 B CS T1 P S1 /U

- Model code: LWLFC, LWLF, LWLFC ··· B, LWLF ··· B, LWLFG ··· B, LWLFC ··· N, LWLF ··· N, LWLFG ··· N
- Size of rolling guide: 18
- Number of slide units (two slide units): C2
- Length of track rail (240mm): R240
- Material: Stainless steel made : No symbol; High carbon steel made : CS
- Preload amount: Clearance : T0; Standard : No symbol; Light preload : T1
- Accuracy class: High : H; Precision : P
- Interchangeable code: Selected group 1 : S1; Selected group 2 : S2
- Special specification: With under seals

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

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