

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

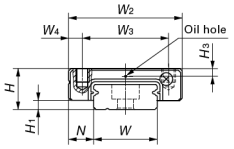
- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

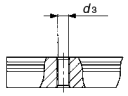
Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Visit our website - *Click HERE*

LWLFC, LWLF, LWLFG



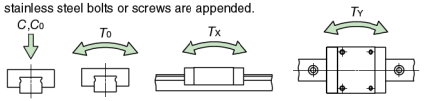


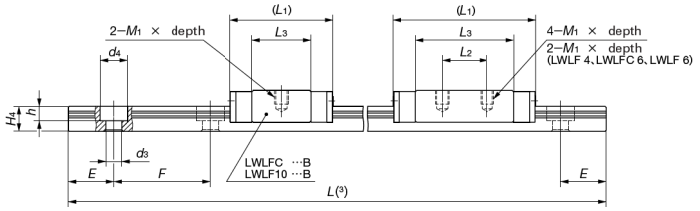
Tapped rail specification
LWLF⋯N

Model number	Interchangeable	Mass (Ref.) g		Dimensions of assembly mm			Dimensions of slide unit mm								W
		Slide unit	Track rail (per 100 mm)	H	H1	N	W2	W3	W4	L1	L2	L3	M1 × depth	H3	
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						Appended mounting bolt for track rail mm	Basic dynamic load rating(4)	Basic static load rating(4)	Static moment rating(4)			Model number
H4	d3	d4	h	E	F	Bolt size × ℓ	C	C0	T0	TX	TY	
							N	N	N-m	N-m	N-m	
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)
	M3 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)
	M3 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
	M3 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
	M3 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
	M4 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
	M4 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
	M4 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
	M4 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
	M4 Through	—	—			(not appended)(2)						LWLF 18⋯N
	3.5	6.5	4.5			Hexagon socket head bolt M3×8	2 500	5 500	50.3	33.0 165	27.7 139	LWLF 18⋯BCS
	M4 Through	—	—			(not appended)(2)						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

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP