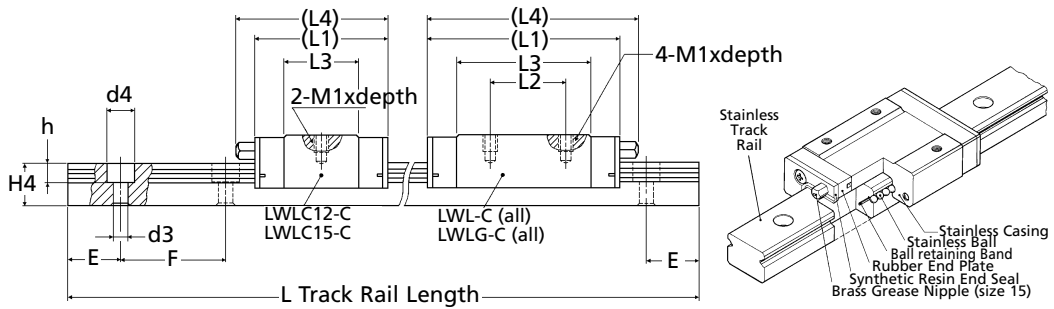
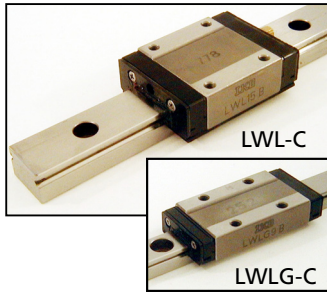


**LWL
LWL-C
LWLC-C
LWLG-C**

LINEAR MOTION

Precision Linear Slides - Stainless

L-Series Non Ball Retained - 2 Row 4 point Ball Contact



Part Number	L Track Rail Length	No. of Holes	Max. Length	Carriage (Slide Unit)	Price Each	
LWL12-50	50	3	1000 Special Lengths - P.O.A. Max end butt 1925mm	-	£30.52	
LWL12-100	100	4		-	£45.78	
LWL12-150	150	6		-	£62.03	
LWL12-200	200	8		-	£77.92	
LWL12-250	250	10		-	£100.72	
LWL12-300	300	12		-	£123.14	
LWL12-400	400	16		-	£167.06	
LWL12-500	500	20		-	£213.09	
LWL12-600	600	24		-	£268.83	
LWL12-700	700	28		-	£324.50	
LWL12-800	800	32		-	£380.25	
LWL12-900	900	36		-	£436.03	
LWL12-1000	1000	40	-	£483.18		
LWL12-C	Carriage (with oil hole H3)			Standard Type	£71.66	
LWLC12-C	Carriage (with oil hole H3)			Short Type	£56.72	
LWLG12-C	Carriage (with oil hole H3)			High Rigidity long Type	£85.09	
LWL15-80	80	2	1000 Special Lengths - P.O.A. Max end butt 1880mm	-	£45.17	
LWL15-120	120	3		-	£60.76	
LWL15-240	240	6		-	£115.32	
LWL15-480	480	12		-	£238.15	
LWL15-600	600	15		-	£307.82	
LWL15-720	720	18		-	£381.97	
LWL15-800	800	20		-	£431.40	
LWL15-880	880	22		-	£480.87	
LWL15-960	960	24		-	£520.60	
LWL15-1000	1000	25		-	£554.99	
LWL15-C	Carriage				Standard Type	£77.92
LWLC15-C	Carriage				Short Type	£61.19
LWLG15-C	Carriage			High Rigidity long Type	£95.62	

Material

Rail, Carriage & Balls: Stainless Steel. Hardened Similar to 440c. **End Plates:** Synthetic Resin. **End Seals:** Rubber **Grease Nipple:** Brass (size 15)

Performance

Max. Speed: 3m/sec. **Maximum Temperature:** +100°C (Constant), +120°C (Intermittent)

Other Info.

Characteristics: Easy handling (Ball retaining band structure, prevents balls falling out).

Easy maintenance. Smooth operation. Low noise. High accuracy. Long life. High reliability.

Lubrication: Every 6 months under general use. Every 3 months for daily use. Use a lithium-soap based grease. (Oil can be used).

When ordering track rail, please order carriages required (1, 2, 3, etc.) per rail. For example:

Standard slide assembly of 1 x LWL12-1000 rail and 2 x LWL12-C carriages = **LWL12-1000C2**

Short slide assembly of 1 x LWL15-720 rail and 2 x LWLC15-C carriages = **LWLC15-720C2**. Carriages and tracks are produced to suit each individual set.

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ondrives

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www.ondrives.com

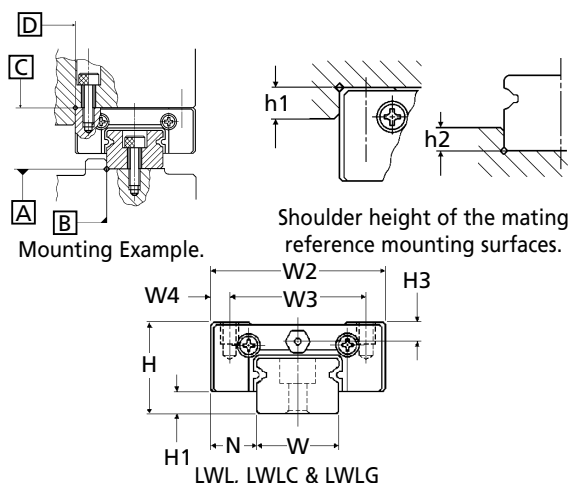
Product information updated 1st April 2011 and subject to change. Please contact Sales for the latest prices and availability.

LINEAR MOTION

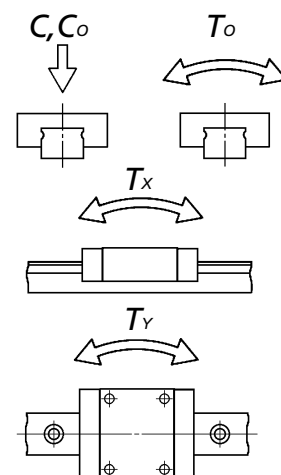
Precision Linear Slides - Stainless

L-Series Non Ball Retained - 2 Row 4 point Ball Contact

LWL
LWL-C
LWLC-C
LWLG-C



Model Number	Slide Unit Shoulder Height h1	Track Rail Shoulder Height h2
LWL12	4.0	2.5
LWL15	4.5	3.0



Figures shown in T_o column and upper figures of all T_x and T_y of each model number apply to one slide unit as illustrated right. The values shown below the single case figures for T_x and T_y are for two slide units in close contact.

Dim. variation of H for multiple assembly sets :
Std.: 0.030
High Precision (P): 0.020

	Part Number					
	LWL12-C	LWLC12-C	LWLG12-C	LWL15-C	LWLC15-C	LWLG15-C
Weight g						
Carriage (Slide Unit)	35.00	22.00	51.00	64.00	42.00	95.00
Track Rail per 100mm	65.00	65.00	65.00	107.00	107.00	107.00
Dimensions of Assembly mm						
H ± 0.020 (Std.) (P=±0.010)	13.00	13.00	13.00	16.00	16.00	16.00
H1	3.00	3.00	3.00	4.00	4.00	4.00
N ± 0.025 (Std.) (P=±0.015)	7.50	7.50	7.50	8.50	8.50	8.50
Dimensions of Slide Unit mm						
W2	27.00	27.00	27.00	32.00	32.00	32.00
W3	20.00	20.00	20.00	25.00	25.00	25.00
W4	3.50	3.50	3.50	3.50	3.50	3.50
L1	34.00	25.00	44.00	42.00	32.00	57.00
L2	15.00	-	20.00	20.00	-	25.00
L3	21.60	13.00	32.00	27.80	17.70	42.70
L4	-	-	-	47.00	36.00	62.00
M1 x Depth (1.1Nm)	M3 x 3.5	M3 x 3.5	M3 x 3.5	M3 x 4.0	M3 x 4.0	M3 x 4.0
H3	2.70	2.70	2.70	3.10	3.10	3.10
Dimensions of Track Rail mm						
W	12.00	12.00	12.00	15.00	15.00	15.00
H4	8.00	8.00	8.00	10.00	10.00	10.00
d3	3.50	3.50	3.50	3.50	3.50	3.50
d4	6.50	6.50	6.50	6.50	6.50	6.50
h	4.50	4.50	4.50	4.50	4.50	4.50
E	12.50	12.50	12.50	20.00	20.00	20.00
F	25.00	25.00	25.00	40.00	40.00	40.00
Track Rail Mounting Bolt (1.1Nm)	M3 x 8	M3 x 8	M3 x 8	M3 x 10	M3 x 10	M3 x 10
Basic Dynamic Load Rating						
C N	2960.00	2000.00	3780.00	4390.00	3120.00	5750.00
Basic Static Load Rating						
Co N	4450.00	2470.00	6430.00	6730.00	4040.00	10100.00
Static Rated Moment						
To Nm	27.60	15.30	39.90	51.80	31.10	77.70
Tx Nm	16.00	5.50	31.80	30.80	12.10	66.20
	98.60	43.30	174.00	178.00	87.60	351.00
Ty Nm	13.40	4.70	26.70	25.90	10.20	55.60
	81.10	36.30	146.00	149.00	73.50	294.00

Performance

Dim Variation Between Carriage Slides on Same Rail (Std. Grade): H = 0.015, N = 0.020

Dim Variation Between Carriage Slides on Same Rail (High Precision P Grade - P.O.A.): H = 0.007, N = 0.010

Parallelism in Operation Over: 100mm = 0.005mm, 250mm = 0.008mm, 500mm = 0.012mm, 1000mm = 0.018mm (A to C and D to B).

A higher tolerance grade is available. P.O.A.

Load Direction: If upward or downward, as table. If lateral, dynamic x 1.13 C, Static x 1.19 Co.

Dynamic Rating: From a group of the same slide units, 90% achieve a distance of 50 x 10³ metres.

For temperatures over 100°C (max. 120°C) we can supply special high temperature grease (clean room quality supplied in syringe) **CG2-SY : £31.80**

Preload is available (To) zero to minimal clearance, zero to minimal preload, (T1) 0.02 Co preload.