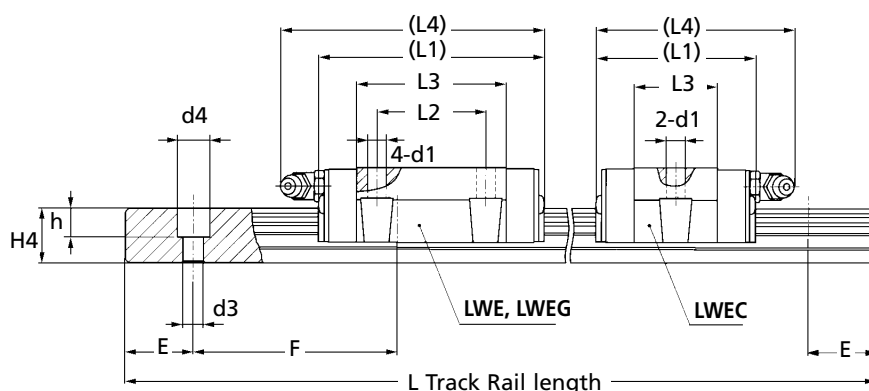
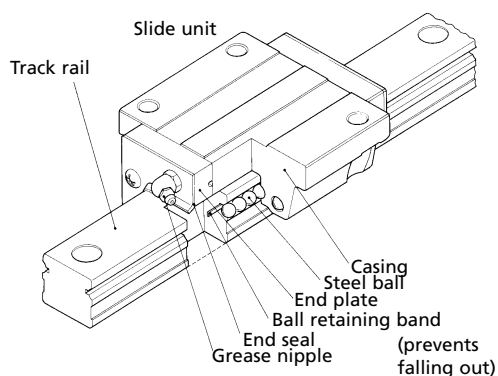


**LWE45**

# LINEAR MOTION

## Precision Compact Linear Way E Series

### Four Point Contact & Two Row Raceway Design



Above is with Flange Design a further 6 styles are available:

LWETC / LWET / LWETG (flange style with tapped holes)

LWESC / LWECs / LWESG (block design without flange with tapped holes)

Stainless version available on sizes 15 to 30.

Part Number	L Track Rail Length	No. of Holes	Carriage (Side Unit)	Price Each
LWE45-150	150	2	-	£151.71
LWE45-255	255	3	-	£196.80
LWE45-360	360	4	-	£241.99
LWE45-465	465	5	-	£287.10
LWE45-570	570	6	-	£332.26
LWE45-675	675	7	-	£377.38
LWE45-780	780	8	-	£422.48
LWE45-885	885	9	-	£467.59
LWE45-990	990	10	-	£504.88
LWE45-1095	1095	11	-	£557.82
LWE45-1200	1200	12	-	£603.27
LWE45-1305	1305	13	-	£648.09
LWE45-1410	1410	14	-	£693.15
LWE45-1515	1515	15	-	£738.38
LWE45-1620	1620	16	-	£783.45
LWE45-1725	1725	17	-	£828.56
LWE45-1830	1830	18	-	£873.66
LWE45-1935	1935	19	-	£918.76
LWE45-2040	2040	20	-	£963.97
LWE45-2145	2145	21	-	£1017.26
LWE45-2250	2250	22	-	£1070.55
LWE45-2355	2355	23	-	£1123.86
LWE45-2460	2460	24	-	£1177.29
LWE45-2565	2565	25	-	£1230.55
LWE45-2670	2670	26	-	£1283.90
LWE45-2775	2775	27	-	£1337.24
LWE45-2880	2880	28	-	£1390.52
LWE45-2985	2985	29	-	£1443.86
LWE45-C	Flanged Carriage Mounting from lower side			£250.21
LWE45-cap	Rail Hole Cap			£1.72

### Material

**Rail & Carriage:** Carbon Steel Hardened. **End Plates:** Synthetic Resin.

**End Seals:** Rubber. **Grease Nipple:** Brass.

### Performance

**Max. Speed:** 3m/sec. **Maximum Rail Length:** 2985mm

**Max. Temp.:** +100°C (Constant), +120°C (max) (over 100°C consult factory)

### Other Info.

Two row raceway with large diameter balls, giving high load capacities with four point contact and models of slide units are available. Special requests on P.O.A. for butt joining rails, matched sets, high accuracy models, under seals, end seals, scrapers, bellows and preloading as well as much more.

**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: 1 x **LWE45-990** and 2 x **LWEC45-C** (Carriages and tracks are produced to suit each individual set)

+44 (0)1246 455500

+44 (0)1246 455522

**ondrives**

sales@ondrives.com

www.ondrives.com

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

# LINEAR MOTION

LWE45

## Precision Compact Linear Way E Series

Four Point Contact & Two Row Raceway Design

### Performance

**Dimension Variation Between Carriage Slides on Same Rail:**  
 $H = 0.025$ ,  $N = 0.03$

**Parallelism in Operation Over:**

500mm = 0.0125 mm

1000mm = 0.018 mm

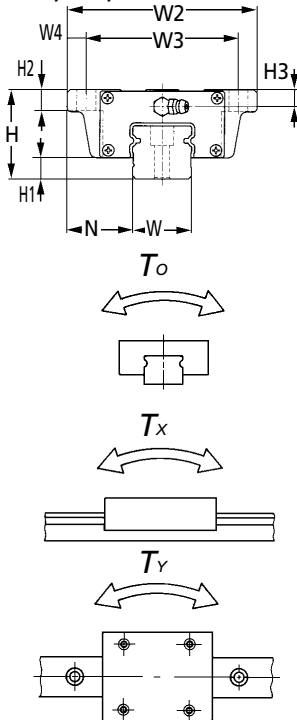
3000mm = 0.032 mm

(A to C and D to B).

Higher accuracy grades available.

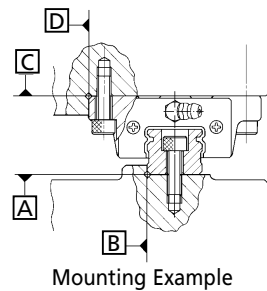
P.O.A.

LWEC, LWE, LWE G 30 - 45

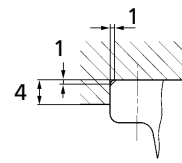


Figures shown in  $T_o$  column and upper figures of all  $T_x$  and  $T_y$  of each model number apply to one slide unit as illustrated above.

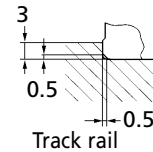
The higher figures below are for two slides in close contact on the same rail.



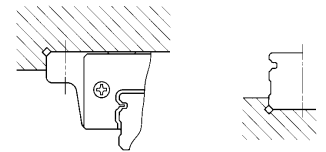
Mounting Example



Slide unit



Track rail



Relieved fillet at the corner of the mating reference mounting surfaces.

Corner radius and shoulder heights of the mating reference mounting surfaces.

All faces of track are ground.

		Part Number	
		LWE45	
<b>Dimensions of Slide Unit mm</b>			
W2		120.00	
W3		100.00	
W4		10.00	
L1		125.00	
L2		60.00	
L3		81.40	
L4		136.00	
d1		11.00	
H2		15.00	
H3		13.00	
Weight (kg)		2.46	
<b>Dimensions of Assembly mm</b>			
H ± 0.08		60.00	
H1		14.00	
N ± 0.10		37.50	
<b>Dimensions of Track Rail mm</b>			
W		45.00	
H4		34.00	
d3		11.00	
d4		17.50	
h		14.00	
E		22.50	
F		105.00	
<b>Weight kg</b>			
Track Rail per 100mm		11.20	
Track Rail Mounting Bolt		M10 x 35	
Bolt Tightening Torque (Nm)		62.70	
<b>Basic Dynamic Load Rating</b>			
C N		46700.00	
<b>Basic Static Load Rating</b>			
C <sub>0</sub> N		62400.00	
<b>Static Rated Moment</b>			
T <sub>0</sub> Nm		1290.00	
T <sub>x</sub> Nm T <sub>y</sub> Nm		697.00 641.00	
		4220.00 3890.00	