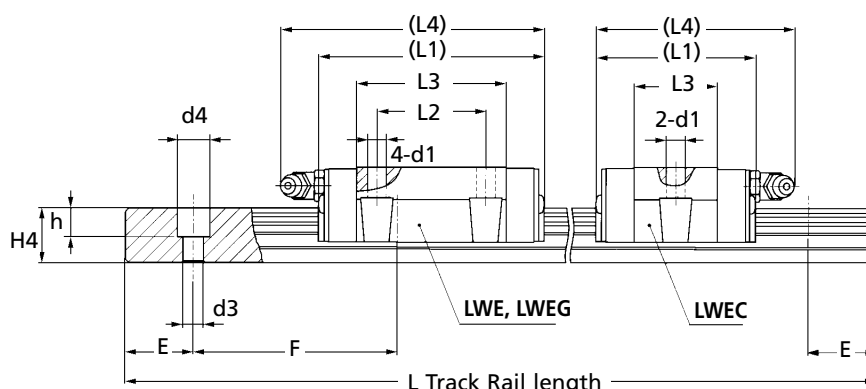
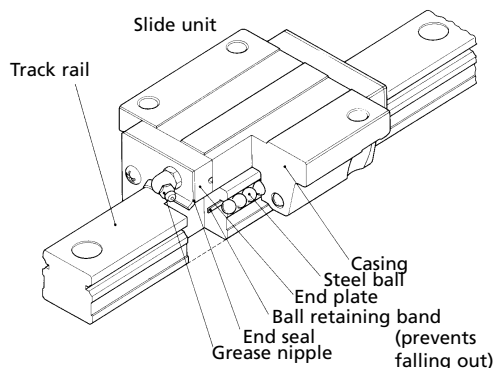
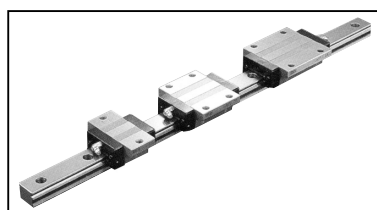


**LWE15**

# 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
LWE15-100	100	2	-	£40.44
LWE15-160	160	3	-	£54.75
LWE15-220	220	4	-	£69.01
LWE15-280	280	5	-	£83.31
LWE15-340	340	6	-	£97.62
LWE15-400	400	7	-	£112.00
LWE15-460	460	8	-	£126.26
LWE15-520	520	9	-	£140.56
LWE15-580	580	10	-	£154.87
LWE15-640	640	11	-	£169.27
LWE15-700	700	12	-	£183.58
LWE15-760	760	13	-	£197.88
LWE15-820	820	14	-	£212.14
LWE15-880	880	15	-	£226.51
LWE15-940	940	16	-	£242.58
LWE15-1000	1000	17	-	£258.78
LWE15-1060	1060	18	-	£274.99
LWE15-1120	1120	19	-	£291.04
LWE15-1180	1180	20	-	£307.21
LWE15-1240	1240	21	-	£329.20
LWE15-1300	1300	22	-	£351.20
LWE15-1420	1420	24	-	£395.35
LWE15-1480	1480	25	-	£417.33
LWE15-1540	1540	26	-	£435.66
LWE15-1600	1600	27	-	£454.05
LWE15-C	Flanged Carriage Mounting from lower side			£95.38
LWEC15-C	Short Flanged Carriage Mounting from lower side			£81.14
LWEG15-C	Long Flanged Carriage Mounting from lower side			£142.89
LWE15-cap	Rail Hole Cap			£1.03

### Material

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

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

### Performance

**Max. Speed:** 3m/sec. **Maximum Rail Length:** 1600mm

**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 LWE15-480 and 2 x LWEC15-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

## Precision Compact Linear Way E Series

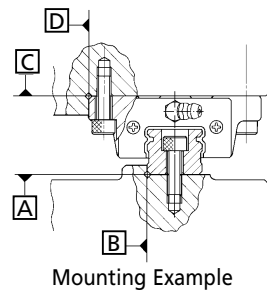
Four Point Contact & Two Row Raceway Design

LWE15

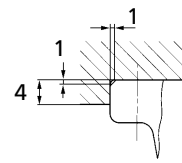
### Performance

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

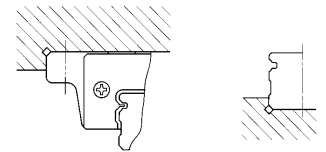
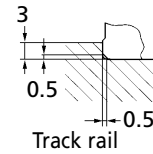
**Parallelism in Operation Over:**  
 500mm = 0.0125 mm  
 1000mm = 0.018 mm  
 3000mm = 0.032 mm  
 (A to C and D to B).  
 Higher accuracy grades available.  
 P.O.A.



Mounting Example



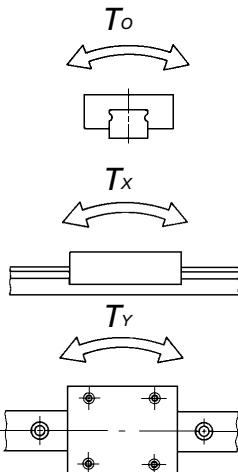
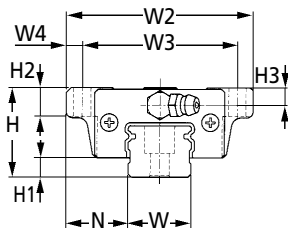
Slide unit  
 Corner radius and shoulder heights of the mating reference mounting surfaces.



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

All faces of track are ground.

LWEC, LWE, LWEG 15 - 25



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.

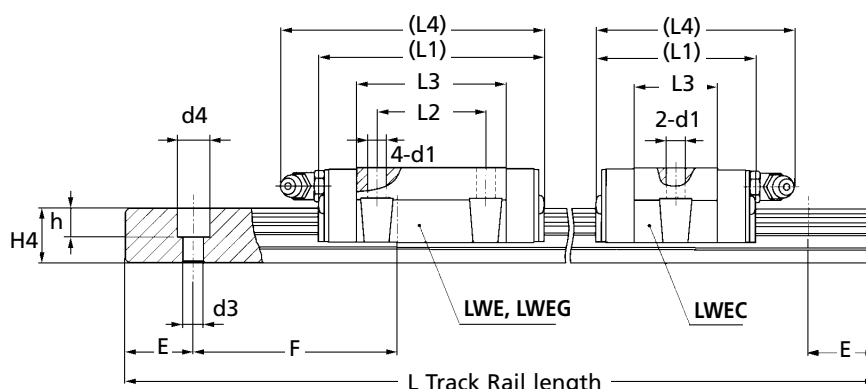
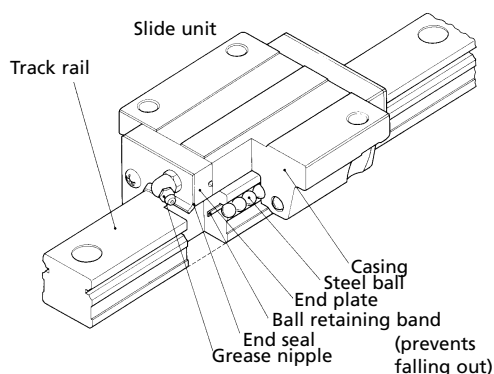
	LWEC15	Part Number LWE15	LWEG15
<b>Dimensions of Slide Unit mm</b>			
W2	52.00	52.00	52.00
W3	41.00	41.00	41.00
W4	5.50	5.50	5.50
L1	41.00	57.00	70.00
L2	-	26.00	36.00
L3	22.40	38.40	51.10
L4	45.00	61.00	74.00
d1	4.50	4.50	4.50
H2	7.00	7.00	7.00
H3	4.50	4.50	4.50
Weight (kg)	0.11	0.18	0.24
<b>Dimensions of Assembly mm</b>			
$H \pm 0.08$	24.00	24.00	24.00
H1	5.80	5.80	5.80
$N \pm 0.10$	18.50	18.50	18.50
<b>Dimensions of Track Rail mm</b>			
W	15.00	15.00	15.00
H4	14.50	14.50	14.50
d3	3.60	3.60	3.60
d4	6.50	6.50	6.50
h	4.50	4.50	4.50
E	20.00	20.00	20.00
F	60.00	60.00	60.00
<b>Weight kg</b>			
Track Rail per 100mm	1.57	1.57	1.57
Track Rail Mounting Bolt	M3 x 16	M3 x 16	M3 x 16
Bolt Tightening Torque (Nm)	1.7	1.7	1.7
<b>Basic Dynamic Load Rating</b>			
C N	4330.00	6200.00	7520.00
<b>Basic Static Load Rating</b>			
$C_o$ N	5680.00	9740.00	13000.00
<b>Static Rated Moment</b>			
$T_o$ Nm	45.40	77.90	104.00
$T_x$ Nm $T_y$ Nm	22.10	59.80	103.00
	155.00	346.00	553.00

**LWE20**

# LINEAR MOTION

## Precision Compact Linear Way E Series

Four Point Contact & Two Row Raceway Design



### Material

**Rail & Carriages:** Carbon Steel Hardened.

**End Plates:** Synthetic Resin.

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

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

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

LWESC / LWEC / 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
LWE20-100	100	2	-	£52.37
LWE20-160	160	3	-	£68.79
LWE20-220	220	4	-	£85.18
LWE20-280	280	5	-	£101.61
LWE20-340	340	6	-	£118.06
LWE20-400	400	7	-	£134.44
LWE20-460	460	8	-	£150.94
LWE20-520	520	9	-	£167.35
LWE20-580	580	10	-	£183.86
LWE20-640	640	11	-	£200.24
LWE20-700	700	12	-	£216.74
LWE20-760	760	13	-	£233.13
LWE20-820	820	14	-	£249.58
LWE20-880	880	15	-	£265.98
LWE20-940	940	16	-	£282.52
LWE20-1000	1000	17	-	£299.12
LWE20-1060	1060	18	-	£315.40
LWE20-1120	1120	19	-	£331.81
LWE20-1180	1180	20	-	£348.24
LWE20-1240	1240	21	-	£364.65
LWE20-1300	1300	22	-	£381.13
LWE20-1360	1360	23	-	£397.58
LWE20-1420	1420	24	-	£414.04
LWE20-1480	1480	25	-	£430.47
LWE20-1540	1540	26	-	£451.08
LWE20-1600	1600	27	-	£471.58
LWE20-1660	1660	28	-	£492.14
LWE20-1720	1720	29	-	£512.65
LWE20-1780	1780	30	-	£533.19
LWE20-1840	1840	31	-	£553.80
LWE20-1900	1900	32	-	£574.31
LWE20-1960	1960	33	-	£594.90
LWE20-2020	2020	34	-	£615.48
LWE20-2080	2080	35	-	£636.03
LWE20-2140	2140	36	-	£656.64
LWE20-2200	2200	37	-	£677.10
LWE20-C			Flanged Carriage Mounting from lower side	£108.38
LWEC20-C			Short Flanged Carriage Mounting from lower side	£92.09
LWEG20-C			Long Flanged Carriage Mounting from lower side	£138.39
LWE20-cap			Rail Hole Cap	£1.03

+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

## Precision Compact Linear Way E Series

Four Point Contact & Two Row Raceway Design

**LWE20**

### Performance

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

**Parallelism in Operation Over:**

500mm = 0.0125 mm

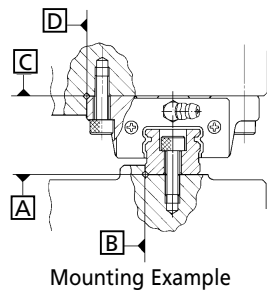
1000mm = 0.018 mm

3000mm = 0.032 mm

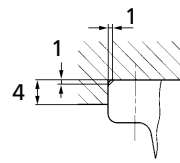
(A to C and D to B).

Higher accuracy grades available.

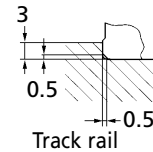
P.O.A.



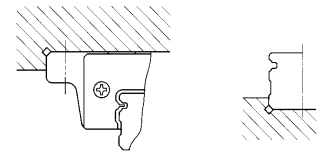
Mounting Example



Slide unit



Track rail

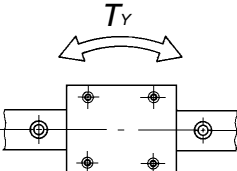
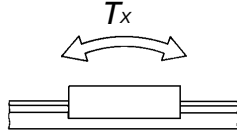
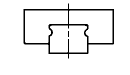
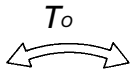
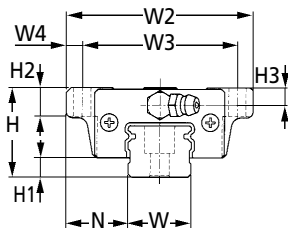


Relieved fillet at the corner of the mating reference mounting surfaces.

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

**All faces of track are ground.**

LWEC, LWE, LWEG 15 - 25



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.

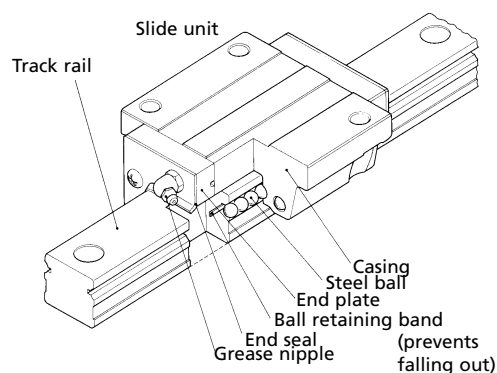
	LWEC20	Part Number LWE20	LWEG20
<b>Dimensions of Slide Unit mm</b>			
W2	59.00	59.00	59.00
W3	49.00	49.00	49.00
W4	5.00	5.00	5.00
L1	47.00	66.50	82.00
L2	-	32.00	45.00
L3	24.50	44.00	59.90
L4	59.00	79.00	95.00
d1	5.50	5.50	5.50
H2	9.00	9.00	9.00
H3	5.50	5.50	5.50
Weight (kg)	0.18	0.30	0.40
<b>Dimensions of Assembly mm</b>			
$H \pm 0.08$	28.00	28.00	28.00
H1	6.00	6.00	6.00
$N \pm 0.10$	19.50	19.50	19.50
<b>Dimensions of Track Rail mm</b>			
W	20.00	20.00	20.00
H4	16.00	16.00	16.00
d3	6.00	6.00	6.00
d4	9.50	9.50	9.50
h	8.50	8.50	8.50
E	20.00	20.00	20.00
F	60.00	60.00	60.00
<b>Weight kg</b>			
Track Rail per 100mm	2.28	2.28	2.28
<b>Track Rail Mounting Bolt</b>	M5 x 16	M5 x 16	M5 x 16
<b>Bolt Tightening Torque (Nm)</b>	7.90	7.90	7.90
<b>Basic Dynamic Load Rating</b>			
C N	6250.00	9360.00	11500.00
<b>Basic Static Load Rating</b>			
$C_o$ N	7610.00	13900.00	19000.00
<b>Static Rated Moment</b>			
$T_o$ Nm	81.80	150.00	204.00
$T_x$ Nm $T_y$ Nm	32.60	99.20	178.00
	244.00	582.00	952.00

**LWE25**

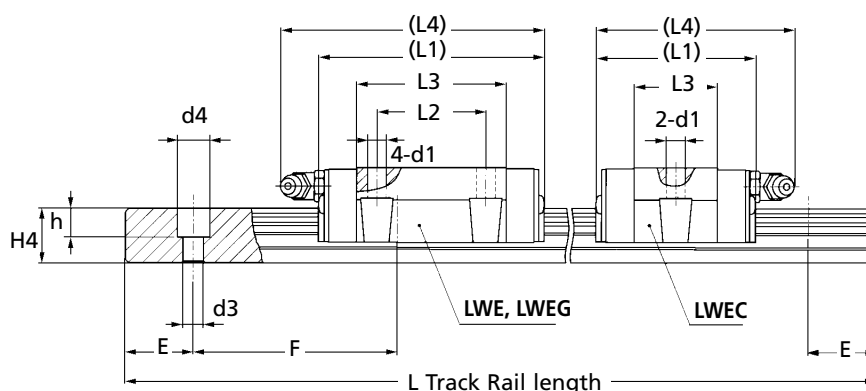
# LINEAR MOTION

## Precision Compact Linear Way E Series

Four Point Contact & Two Row Raceway Design



Maximum Rail Length: 2980mm



Part Number	L Track Rail Length	No. of Holes	Carriage (Side Unit)	Price Each
LWE25-100	100	2	-	£59.78
LWE25-160	160	3	-	£77.18
LWE25-220	220	4	-	£94.58
LWE25-280	280	5	-	£112.00
LWE25-340	340	6	-	£129.45
LWE25-400	400	7	-	£146.80
LWE25-460	460	8	-	£164.26
LWE25-520	520	9	-	£181.66
LWE25-580	580	10	-	£199.00
LWE25-640	640	11	-	£216.39
LWE25-700	700	12	-	£233.80
LWE25-760	760	13	-	£251.19
LWE25-820	820	14	-	£268.61
LWE25-880	880	15	-	£286.00
LWE25-940	940	16	-	£303.41
LWE25-1000	1000	17	-	£320.82
LWE25-1060	1060	18	-	£338.26
LWE25-1120	1120	19	-	£355.66
LWE25-1180	1180	20	-	£373.02
LWE25-1240	1240	21	-	£390.46
LWE25-1300	1300	22	-	£407.86
LWE25-1420	1420	24	-	£455.56
LWE25-1480	1480	25	-	£460.06
LWE25-1540	1540	26	-	£477.48
LWE25-1600	1600	27	-	£494.93
LWE25-1660	1660	28	-	£512.31
LWE25-1720	1720	29	-	£529.68
LWE25-1780	1780	30	-	£547.13
LWE25-1840	1840	31	-	£564.53
LWE25-1900	1900	32	-	£581.93
LWE25-1960	1960	33	-	£599.37
LWE25-2020	2020	34	-	£616.66
LWE25-2080	2080	35	-	£636.65
LWE25-2140	2140	36	-	£656.64
LWE25-2200	2200	37	-	£676.56
LWE25-2260	2260	38	-	£696.39
LWE25-2320	2320	39	-	£716.37
LWE25-2380	2380	40	-	£736.34
LWE25-2740	2740	46	-	£927.80
LWE25-2800	2800	47	-	£959.67
LWE25-2860	2860	48	-	£991.57
LWE25-2920	2920	49	-	£1023.52
LWE25-2980	2980	50	-	£1055.43
LWE25-C	Flanged Carriage Mounting from lower side			£112.37
LWEC25-C	Short Flanged Carriage Mounting from lower side			£101.18
LWEG25-C	Long Flanged Carriage Mounting from lower side			£152.28
LWE25-cap	Rail Hole Cap			£1.03

+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

## Precision Compact Linear Way E Series

Four Point Contact & Two Row Raceway Design

LWE25

### Performance

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

**Parallelism in Operation Over:**

500mm = 0.0125 mm

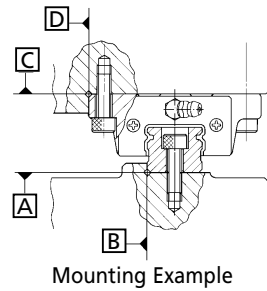
1000mm = 0.018 mm

3000mm = 0.032 mm

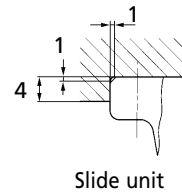
(A to C and D to B).

Higher accuracy grades available.

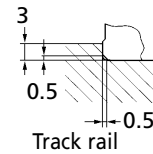
P.O.A.



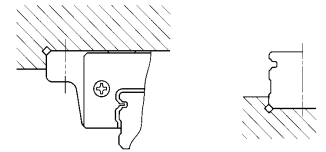
Mounting Example



Slide unit



Track rail

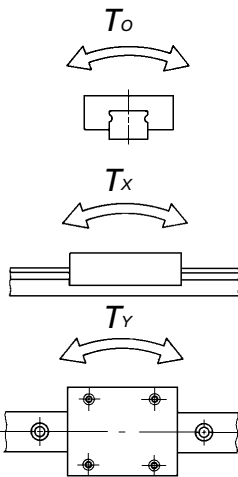
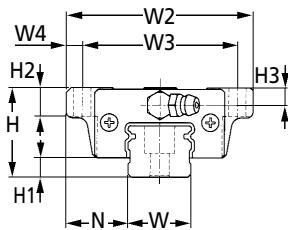


Relieved fillet at the corner of the mating reference mounting surfaces.

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

All faces of track are ground.

LWEC, LWE, LWE25 - 25



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.

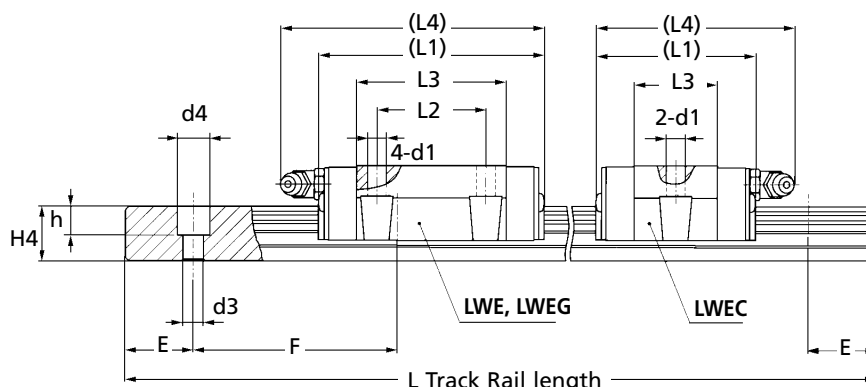
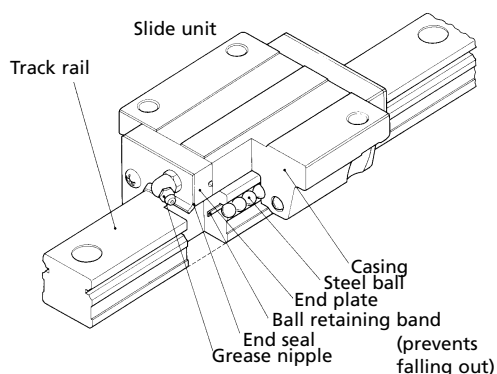
	LWEC25	LWE25	LWE25
<b>Dimensions of Slide Unit mm</b>			
W2	73.00	73.00	73.00
W3	60.00	60.00	60.00
W4	6.50	6.50	6.50
L1	59.00	83.00	102.00
L2	-	35.00	50.00
L3	32.00	56.00	75.00
L4	71.00	95.00	114.00
d1	7.00	7.00	7.00
H2	10.00	10.00	10.00
H3	6.50	6.50	6.50
Weight (kg)	0.33	0.55	0.73
<b>Dimensions of Assembly mm</b>			
$H \pm 0.08$	33.00	33.00	33.00
H1	7.00	7.00	7.00
$N \pm 0.10$	25.00	25.00	25.00
<b>Dimensions of Track Rail mm</b>			
W	23.00	23.00	23.00
H4	19.00	19.00	19.00
d3	7.00	7.00	7.00
d4	11.00	11.00	11.00
h	9.00	9.00	9.00
E	20.00	20.00	20.00
F	60.00	60.00	60.00
<b>Weight kg</b>			
Track Rail per 100mm	3.09	3.09	3.09
Track Rail Mounting Bolt	M6 x 20	M6 x 20	M6 x 20
Bolt Tightening Torque (Nm)	13.30	13.30	13.30
<b>Basic Dynamic Load Rating</b>			
C N	10100.00	14500.00	17600.00
<b>Basic Static Load Rating</b>			
$C_o$ N	12800.00	21900.00	29200.00
<b>Static Rated Moment</b>			
$T_o$ Nm	159.00	272.00	362.00
$T_x$ Nm $T_y$ Nm	74.50	202.00	348.00
	498.00	1130.00	1810.00

**LWE30**

# LINEAR MOTION

## Precision Compact Linear Way E Series

### Four Point Contact & Two Row Raceway Design



### Material

**Rail & Carriage:** Carbon Steel Hardened.  
**End Plates:** Synthetic Resin.  
**End Seals:** Rubber. **Grease Nipple:** Brass.

Above is with Flange Design a further 6 styles are available:  
 LWETC / LWET / LWETG (flange style with tapped holes)  
 LWESC / LWEC3 / 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
LWE30-120	120	2	-	£79.61
LWE30-200	200	3	-	£106.94
LWE30-280	280	4	-	£134.23
LWE30-360	360	5	-	£161.47
LWE30-440	440	6	-	£188.81
LWE30-520	520	7	-	£216.13
LWE30-600	600	8	-	£243.44
LWE30-680	680	9	-	£270.72
LWE30-760	760	10	-	£298.01
LWE30-840	840	11	-	£325.31
LWE30-920	920	12	-	£352.69
LWE30-1000	1000	13	-	£379.94
LWE30-1080	1080	14	-	£407.23
LWE30-1160	1160	15	-	£434.56
LWE30-1240	1240	16	-	£461.84
LWE30-1320	1320	17	-	£489.14
LWE30-1400	1400	18	-	£516.44
LWE30-1480	1480	19	-	£543.77
LWE30-1560	1560	20	-	£571.02
LWE30-1640	1640	21	-	£598.31
LWE30-1720	1720	22	-	£625.71
LWE30-1800	1800	23	-	£652.94
LWE30-1880	1880	24	-	£680.23
LWE30-1960	1960	25	-	£707.58
LWE30-2040	2040	26	-	£734.89
LWE30-2120	2120	27	-	£776.58
LWE30-2200	2200	28	-	£818.25
LWE30-2280	2280	29	-	£859.98
LWE30-2360	2360	30	-	£901.71
LWE30-2440	2440	31	-	£943.15
LWE30-2520	2520	32	-	£985.15
LWE30-2600	2600	33	-	£1026.82
LWE30-2680	2680	34	-	£1068.57
LWE30-2760	2760	35	-	£1110.31
LWE30-2840	2840	36	-	£1151.98
LWE30-2920	2920	37	-	£1193.71
LWE30-3000	3000	38	-	£1235.38
LWE30-C	Flanged Carriage Mounting from lower side			£140.28
LWEC30-C	Short Flanged Carriage Mounting from lower side			£136.76
LWEG30-C	Long Flanged Carriage Mounting from lower side			£212.78
LWE30-cap	Rail Hole Cap			£1.03

+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

**LWE30**

## 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

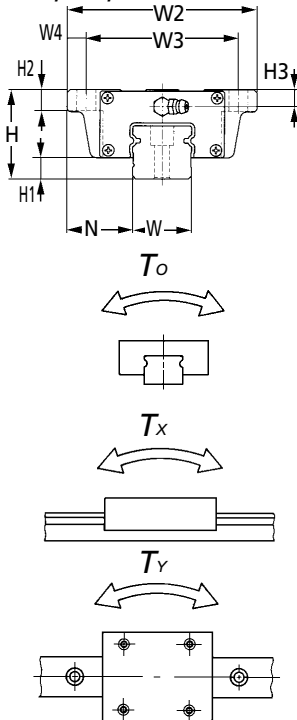
3000mm = 0.032 mm

(A to C and D to B).

Higher accuracy grades available.

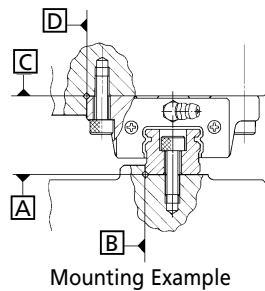
P.O.A.

**LWEC, LWE, LWEG 30 - 45**

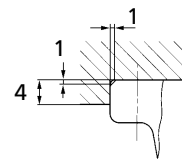


Figures shown in  $T_o$  column and upper figures of all  $T_x$  and  $T_y$  of each model number apply to one slide unit as illustrated above.

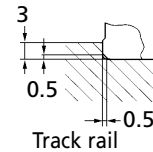
The higher figures below are for two slides in close contact on the same rail.



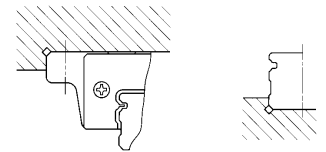
Mounting Example



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.**

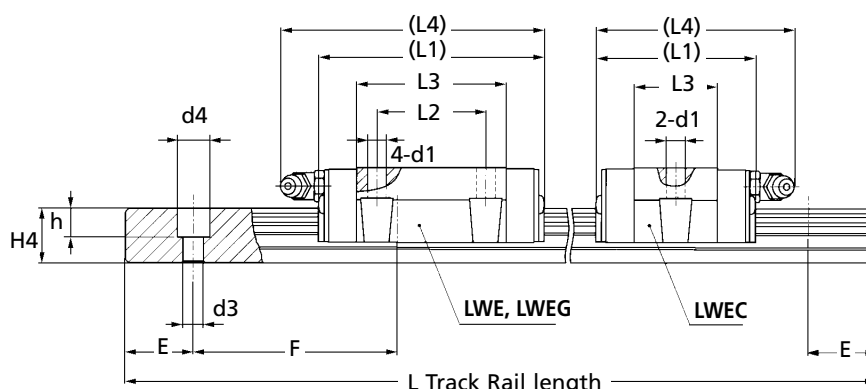
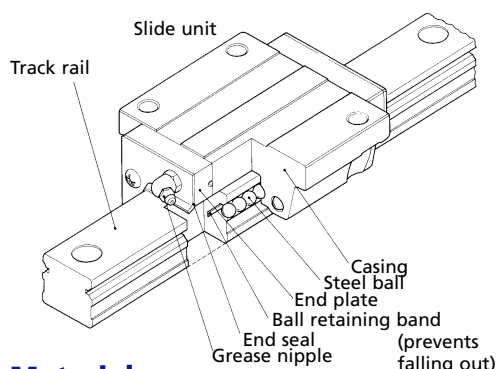
	LWEC30	Part Number LWE30	LWEG30
<b>Dimensions of Slide Unit mm</b>			
W2	90.00	90.00	90.00
W3	72.00	72.00	72.00
W4	9.00	9.00	9.00
L1	68.00	97.00	128.50
L2	-	40.00	60.00
L3	36.00	64.80	96.50
L4	78.00	107.00	139.00
d1	9.00	9.00	9.00
H2	10.00	10.00	10.00
H3	8.00	8.00	8.00
Weight (kg)	0.58	0.99	1.50
<b>Dimensions of Assembly mm</b>			
$H \pm 0.08$	42.00	42.00	42.00
H1	10.00	10.00	10.00
$N \pm 0.10$	31.00	31.00	31.00
<b>Dimensions of Track Rail mm</b>			
W	28.00	28.00	28.00
H4	25.00	25.00	25.00
d3	7.00	7.00	7.00
d4	11.00	11.00	11.00
h	9.00	9.00	9.00
E	20.00	20.00	20.00
F	80.00	80.00	80.00
<b>Weight kg</b>			
Track Rail per 100mm	5.09	5.09	5.09
<b>Track Rail Mounting Bolt</b>	M6 x 25	M6 x 25	M6 x 25
<b>Bolt Tightening Torque (Nm)</b>	13.30	13.30	13.30
<b>Basic Dynamic Load Rating</b>			
C N	16800.00	23600.00	30900.00
<b>Basic Static Load Rating</b>			
$C_o$ N	19500.00	32500.00	48700.00
<b>Static Rated Moment</b>			
$T_o$ Nm	298.00	497.00	745.00
$T_x$ Nm $T_y$ Nm	134.00	340.00	730.00
	887.00	1990.00	3810.00

**LWE35**

# LINEAR MOTION

## Precision Compact Linear Way E Series

### Four Point Contact & Two Row Raceway Design



### Material

**Rail & Carriage:** Carbon Steel Hardened.

**End Plates:** Synthetic Resin.

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

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

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

LWESC / LWEC3 / LWESG (block design without flange with tapped holes)

Part Number	L Track Rail Length	No. of Holes	Carriage (Side Unit)	Price Each
LWE35-120	120	2	-	£104.42
LWE35-200	200	3	-	£136.58
LWE35-280	280	4	-	£168.74
LWE35-360	360	5	-	£200.84
LWE35-440	440	6	-	£233.01
LWE35-520	520	7	-	£265.20
LWE35-600	600	8	-	£297.37
LWE35-680	680	9	-	£329.58
LWE35-760	760	10	-	£361.70
LWE35-840	840	11	-	£393.77
LWE35-920	920	12	-	£425.96
LWE35-1000	1000	13	-	£458.10
LWE35-1080	1080	14	-	£490.31
LWE35-1160	1160	15	-	£522.44
LWE35-1240	1240	16	-	£554.66
LWE35-1320	1320	17	-	£586.71
LWE35-1400	1400	18	-	£618.93
LWE35-1480	1480	19	-	£651.10
LWE35-1560	1560	20	-	£683.24
LWE35-1640	1640	21	-	£715.40
LWE35-1720	1720	22	-	£747.65
LWE35-1800	1800	23	-	£779.75
LWE35-1880	1880	24	-	£812.13
LWE35-1960	1960	25	-	£844.04
LWE35-2120	2120	27	-	£922.14
LWE35-2200	2200	28	-	£968.07
LWE35-2280	2280	29	-	£1014.05
LWE35-2360	2360	30	-	£1059.99
LWE35-2440	2440	31	-	£1105.84
LWE35-2520	2520	32	-	£1151.86
LWE35-2600	2600	33	-	£1197.88
LWE35-2680	2680	34	-	£1243.78
LWE35-2760	2760	35	-	£1289.71
LWE35-2840	2840	36	-	£1335.65
LWE35-2920	2920	37	-	£1381.55
LWE35-3000	3000	38	-	£1427.56
LWE35-C			Flanged Carriage Mounting from lower side	£213.03
LWEC35-C			Short Flanged Carriage Mounting from lower side	£211.65
LWE35-cap			Rail Hole Cap	£1.03

### Performance

**Max. Speed:** 3m/sec. **Maximum Rail Length:** 1600mm

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

+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

LWE35

## 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

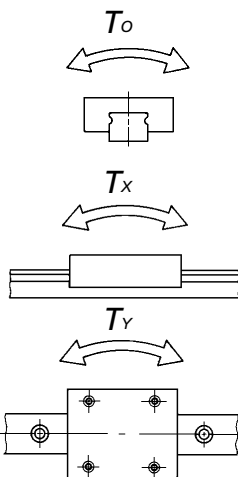
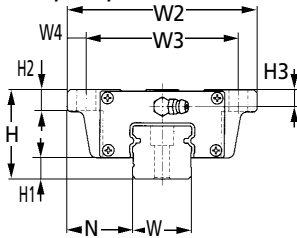
3000mm = 0.032 mm

(A to C and D to B).

Higher accuracy grades available.

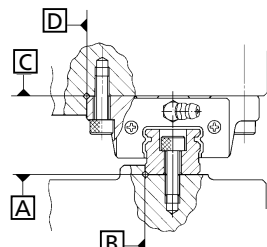
P.O.A.

LWEC, LWE, LWEG 30 - 45

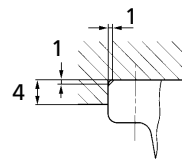


Figures shown in  $T_o$  column and upper figures of all  $T_x$  and  $T_y$  of each model number apply to one slide unit as illustrated above.

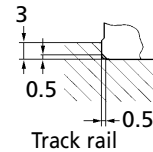
The higher figures below are for two slides in close contact on the same rail.



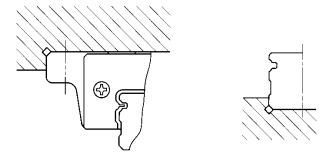
Mounting Example



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.

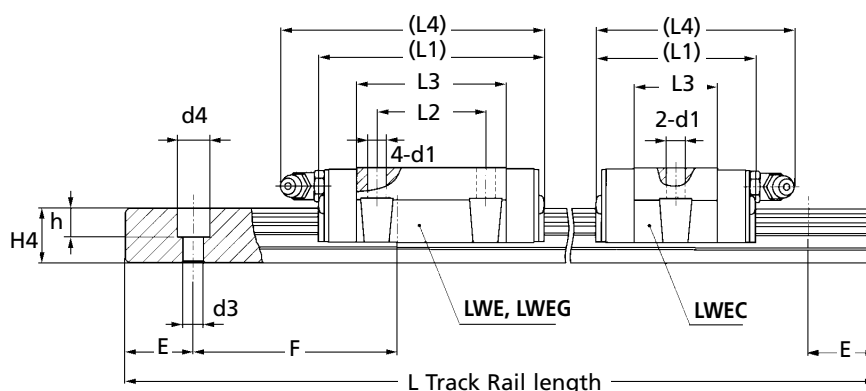
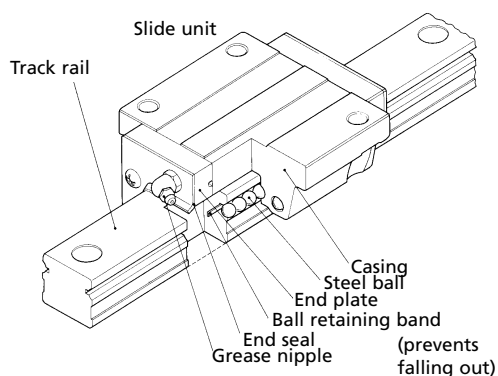
	Part Number	
	LWEC35	LWE35
<b>Dimensions of Slide Unit mm</b>		
W2	100.00	100.00
W3	82.00	82.00
W4	9.00	9.00
L1	78.00	111.00
L2	-	50.00
L3	41.60	74.60
L4	90.00	123.00
d1	9.00	9.00
H2	13.00	13.00
H3	10.00	10.00
Weight (kg)	0.84	1.52
<b>Dimensions of Assembly mm</b>		
H ± 0.08	48.00	48.00
H1	11.00	11.00
N ± 0.10	33.00	33.00
<b>Dimensions of Track Rail mm</b>		
W	34.00	34.00
H4	28.00	28.00
d3	9.00	9.00
d4	14.00	14.00
h	12.00	12.00
E	20.00	20.00
F	80.00	80.00
<b>Weight kg</b>		
Track Rail per 100mm	6.85	6.85
Track Rail Mounting Bolt	M8 x 30	M8 x 30
Bolt Tightening Torque (Nm)	32.00	32.00
<b>Basic Dynamic Load Rating</b>		
C N	23400.00	32800.00
<b>Basic Static Load Rating</b>		
C <sub>0</sub> N	27800.00	46400.00
<b>Static Rated Moment</b>		
T <sub>o</sub> Nm	439.00	731.00
T <sub>x</sub> Nm T <sub>y</sub> Nm	182.00 168.00	465.00 427.00
	1230.00 1140.00	2760.00 2540.00

**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

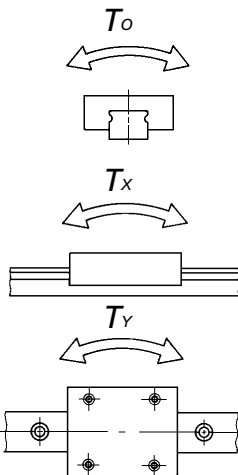
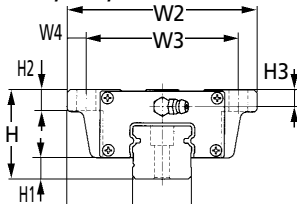
3000mm = 0.032 mm

(A to C and D to B).

Higher accuracy grades available.

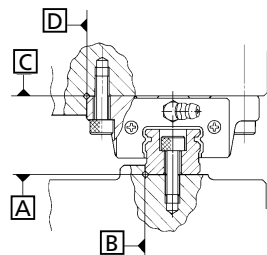
P.O.A.

LWEC, LWE, LWE30 - 45

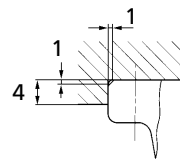


Figures shown in  $T_o$  column and upper figures of all  $T_x$  and  $T_y$  of each model number apply to one slide unit as illustrated above.

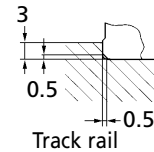
The higher figures below are for two slides in close contact on the same rail.



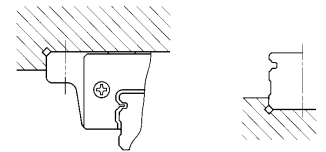
Mounting Example



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>o</sub> Nm		1290.00	
T <sub>x</sub> Nm T <sub>y</sub> Nm		697.00 641.00	
		4220.00 3890.00	