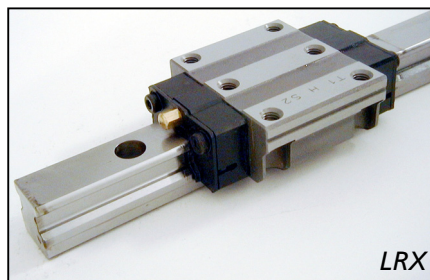


LRX65
LRXD65
LRXDC65

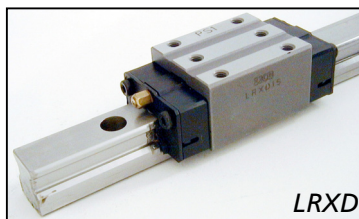
LINEAR MOTION

Precision Linear Roller Way - Steel

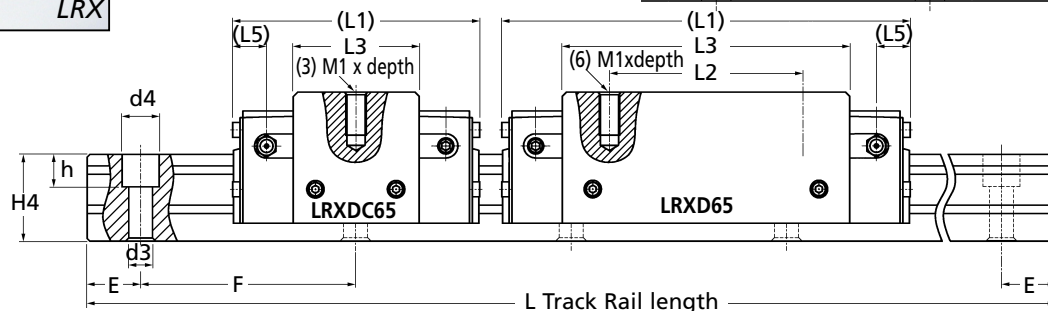
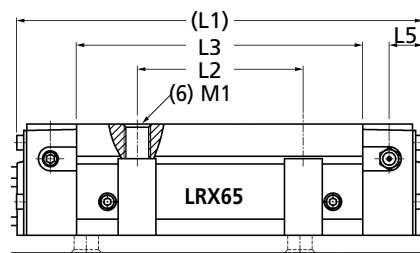
Super X Series - Roller Retained - 4 Rows of Cylindrical Rollers



LRX



LRXD



Performance

- High load capacity
- High rigidity
- High reliability
- Smooth motion
- Good load balance
- High accuracy

Part Number	L Track Rail Length	No. of Holes	Carriage (Side Unit)	Price Each
LRX65-150	150	3	-	£268.95
LRX65-300	300	4	-	£434.26
LRX65-450	450	5	-	£520.03
LRX65-600	600	6	-	£605.74
LRX65-750	750	7	-	£691.43
LRX65-900	900	8	-	£777.15
LRX65-1050	1050	9	-	£862.87
LRX65-1200	1200	10	-	£948.60
LRX65-1350	1350	11	-	£1034.30
LRX65-1500	1500	12	-	£1120.01
LRX65-1650	1650	13	-	£1205.77
LRX65-1800	1800	14	-	£1291.41
LRX65-1950	1950	15	-	£1377.22
LRX65-2100	2100	16	-	£1462.87
LRX65-2250	2250	17	-	£1548.61
LRX65-2400	2400	18	-	£1634.33
LRX65-2550	2550	19	-	£1720.03
LRX65-2700	2700	20	-	£1805.74
LRX65-2850	2850	21	-	£1891.48
LRX65-3000	3000	22	-	£1977.19
LRX65-C	-	-	Flanged Slide mounted from upper or lower	£739.05
LRXD65-C	-	-	Standard Block Slide mounted from upper only	£739.05
LRXDC65-C	-	-	Short Block Slide mounted from upper only	£495.22

Material

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

Performance

Maximum Speed: 1.25m/sec. Maximum Rail Length: 3000mm Maximum Temperature: +100°C (Constant), +120°C (Intermittent)

Other Info.

Other sizes and models available. 6 types, 52 models.

Characteristics: High rigidity due to the large number of rollers and smaller elastic deformation than the ball equivalent. High load capacity. Superior vibration characteristic. Long life and high accuracy. Well-balanced structure. Smooth and quiet motion.

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 LRX65-480 and 2 x LRXD65-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

LRX65
LRXD65
LRXDC65

Precision Linear Roller Way - Steel

Super X Series - Roller Retained - 4 Rows of Cylindrical Rollers

Performance

Dimension Variation Between Carriage Slides on Same Rail:

H = 0.015, N = 0.020

Parallelism in Operation Over:

500mm = 0.012mm

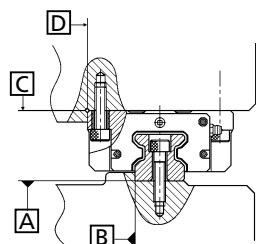
1000mm = 0.016mm

3000mm = 0.025mm

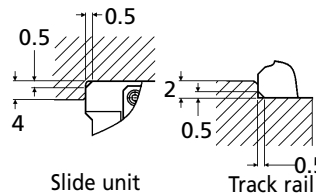
(A to C and D to B).

3 higher accuracy grades available.

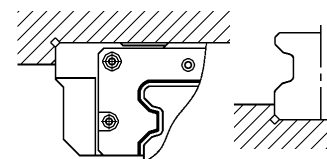
P.O.A.



Mounting Example

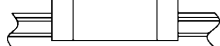
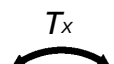
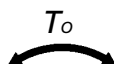
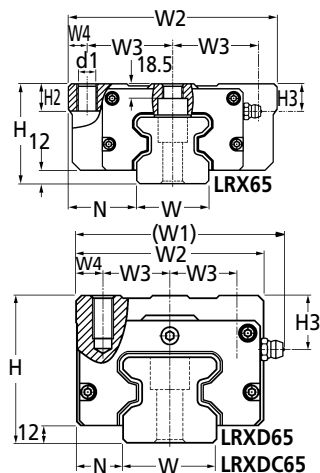


Slide unit
Track rail
Corner radius and shoulder heights of the mating reference mounting surfaces.



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

All faces of track are ground.



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.

Extras

Preload available:

$T_1 = 0.02 C_o$

$T_2 = 0.05 C_o$

$T_3 = 0.08 C_o$

or zero - depends on stocking and availability.

	Part Number		
	LRX-65	LRXD-65	LRXDC-65
Dimensions of Slide Unit mm	FLANGED	STD. BLOCK	SHORT BLOCK
W1	-	136.00	136.00
W2	170.00	126.00	126.00
W3	71.00	38.00	38.00
W4	14.00	25.00	25.00
L1	245.00	245.00	181.00
L2	110.00	70.00	-
L3	159.00	159.00	95.00
L5	26.60	26.60	26.60
d1	14.50	-	-
M1	M16	M16 x 25	M16 x 25
H2	23.00	-	-
H3	18.00	18.00	18.00
Weight (kg)	11.50	8.70	5.52
Dimensions of Assembly mm			
H ± 0.04	90.00	90.00	90.00
N ± 0.05	53.50	53.50	53.50
M1 Bolt Tightening Torque (Nm)	263.00	263.00	263.00
Dimensions of Track Rail mm			
W	63.00	63.00	63.00
H4	56.00	56.00	56.00
d3	18.00	18.00	18.00
d4	26.00	26.00	26.00
h	22.00	22.00	22.00
E	75.00	75.00	75.00
F	150.00	150.00	150.00
Weight kg			
Track Rail per 100mm	22.60	22.60	22.60
Track Rail Mounting Bolt Bolt Tightening Torque (Nm)	M16 x 60 263.00	M16 x 60 263.00	M16 x 60 263.00
Basic Dynamic Load Rating			
C N	213000.00	213000.00	143000.00
Basic Static Load Rating			
C ₀ N	413000.00	413000.00	248000.00
Static Rated Moment			
T _o Nm	16200.00	16200.00	9740.00
T _x Nm T _y Nm	11200.00	11200.00	4180.00
	69000.00	69000.00	32000.00