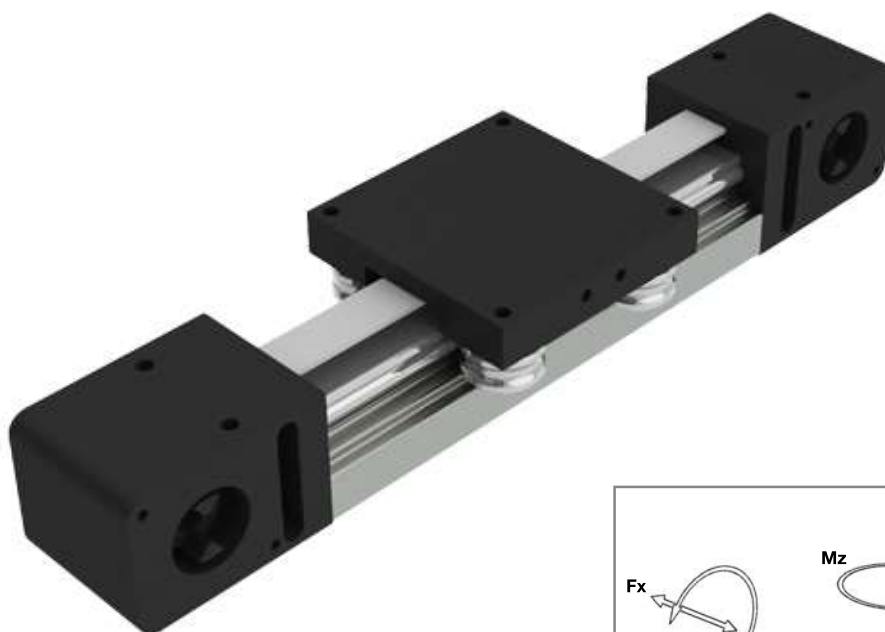
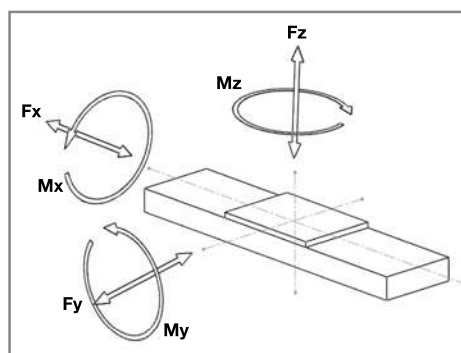


LT50 Series

Technical Description



Compact design, the width of the profile 50 mm.
 Guide system of hardened wheels on hardened shafts or rail guide, size -15-.
 Double carriage design for high load.
 G8 guide wheel systems very resistant to pollution.
 Recirculating ball rail guide for heavy loads.

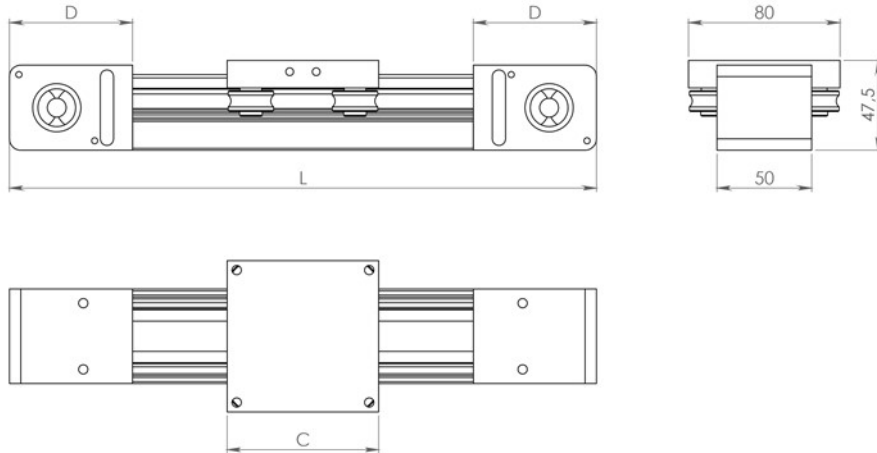


Mechanical specifications

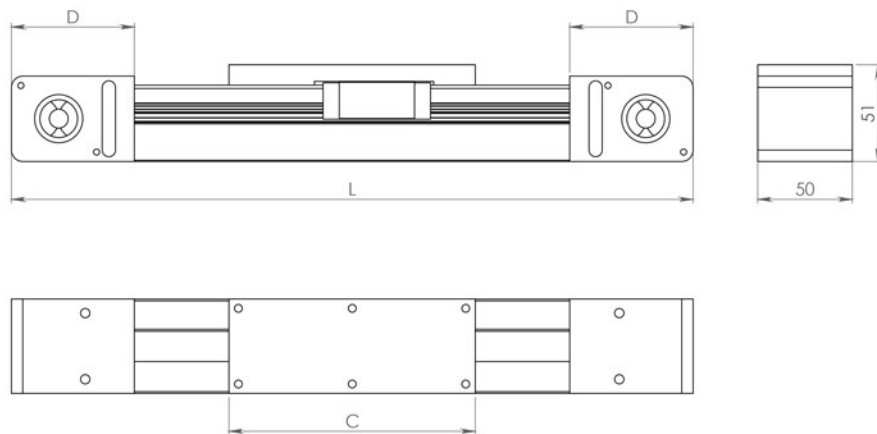
Linear motor stage		LT50-TR-G8	LT50-TR-S15	LT50-TR-S15D
Linear motor features				
Repeatability	mm	+0,1	+0,1	+0,1
Maximum speed	m/s	5000	3000	3000
Maximum acceleration	m/s ²	50	30	30
Maximum stroke	mm	5900	5800	5730
No load torque	Nm	0,2	0,6	0,9
Movement per revolution	mm/rev.	100	100	100
Belt width and type	mm	16 AT10	16 AT10	16 AT10
Guidance features				
Fy	N	1000	1000	1000
Fz	N	850	1800	3600
Mx	Nm	8	20	40
My	Nm	11	14	106
Mz	Nm	11	14	106
For the sum of all forces and moments:		$\frac{F_{ye}}{F_y} + \frac{F_{ze}}{F_z} + \frac{M_{xe}}{M_x} + \frac{M_{ye}}{M_y} + \frac{M_{ze}}{M_z} < 1$ (X _e = calculated value) (X _x = max. catalogue value)		
Structure profile features				
Geometrical moments of inertia L _x	mm ⁴	0,30x10 ⁵	0,16x10 ⁵	0,16x10 ⁵
Geometrical moments of inertia L _y	mm ⁴	1,12x10 ⁵	1,05x10 ⁵	1,05x10 ⁵
Elastic module	N/mm ²	70000	70000	70000
Weight				
Weight of carriage	kg	0,33	0,31	0,53
Weight of 100 mm	kg	0,28	0,28	0,28

Dimensions LT50

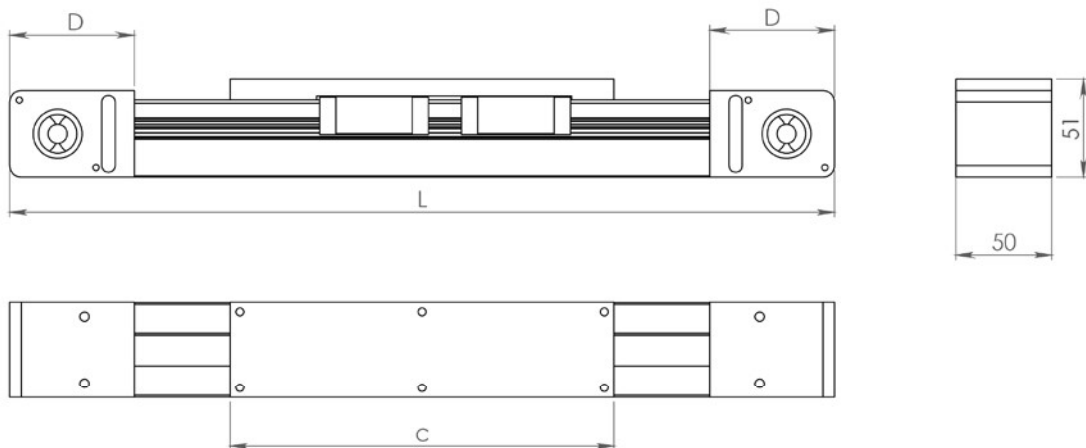
Option with wheel guide system



Option with recirculating ball rail guide system. (1 Block)



Option with recirculating ball rail guide system. (2 Blocks)



Drawing for reference only. Please ask for ready 3D files.

Linear motor stage	LT50-TR-G8	LT50-TR-S15	LT50-TR-S15D
C: Carriage length, mm	80	130	200
L: Total Length, mm	Base length +		
	210	260	330
D: Flexible shaft coupling, mm	65	65	65