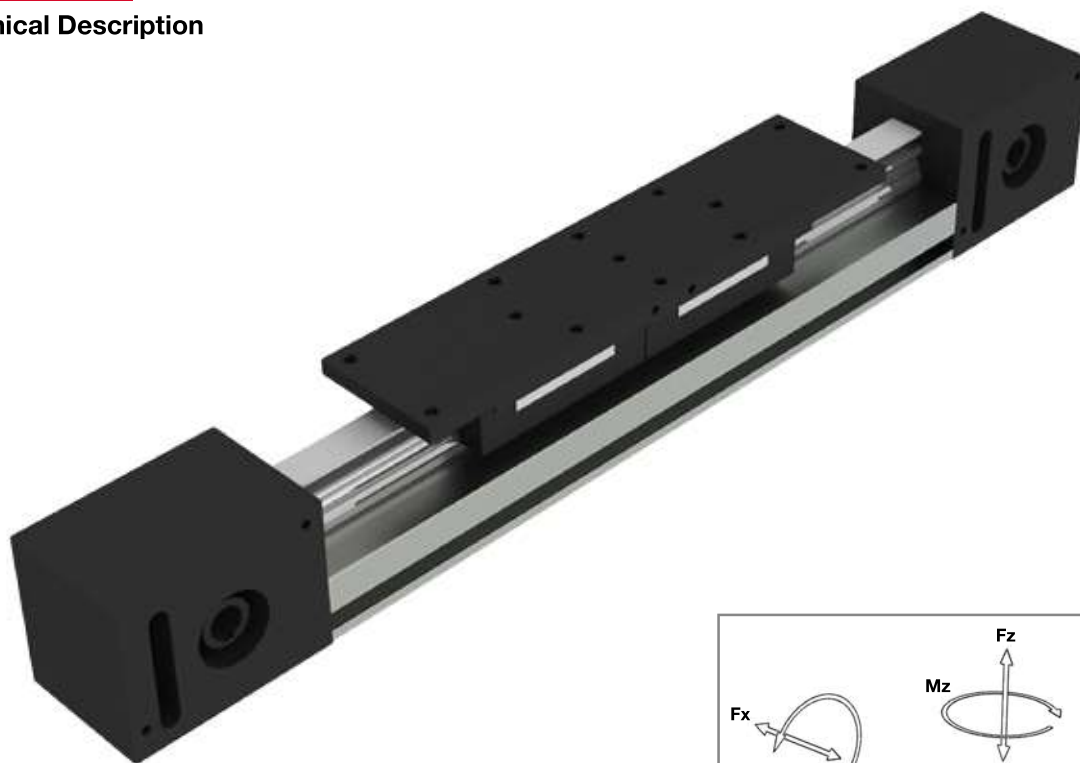
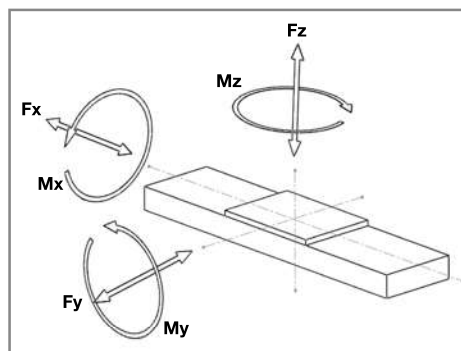


# LT2 Series

## Technical Description



Compact design, the width of the profile 60 mm.  
 Guide system of hardened wheels on hardened shafts or rail guide, size -20-.  
 Toothed belt type AT10, 16 mm wide.  
 Double carriage design for high load.  
 C8 guide wheel systems very resistant to pollution.  
 Recirculating ball rail guide for heavy loads.

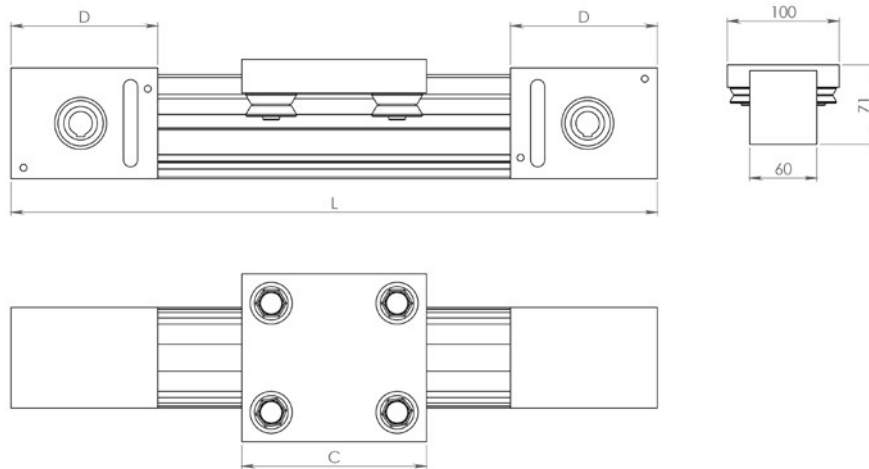


## Mechanical specifications

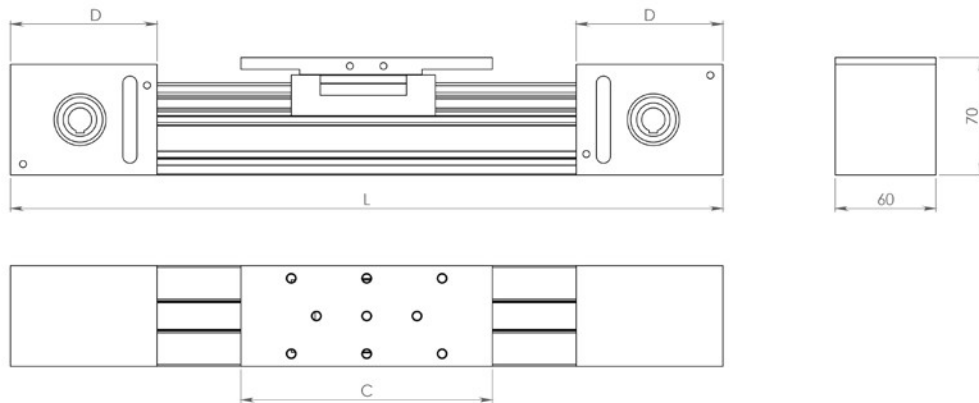
Linear motor stage		LT2-TR-C8	LT2-TR-S20	LT2-TR-S20D	
<b>Linear motor features</b>					
Repeatability	mm	+0,1	+0,1	+0,1	
Maximum speed	m/s	5000	3000	3000	
Maximum acceleration	m/s <sup>2</sup>	50	30	30	
Maximum stroke	mm	5500	3000	3000	
No load torque	Nm	0,2	0,6	0,6	
Movement per revolution	mm/rev.	180	180	180	
Belt width and type	mm	<b>16 ATA</b>	<b>16 ATA</b>	<b>16 ATA</b>	
<b>Guidance features</b>					
Fy	N	1000	4500	9000	
Fz	N	1000	4500	9000	
Mx	Nm	7	165	726	
My	Nm	5	165	726	
Mz	Nm	6	310	620	
For the sum of all forces and moments:		$\frac{F_{ye}}{F_y} + \frac{F_{ze}}{F_z} + \frac{M_{xe}}{M_x} + \frac{M_{ye}}{M_y} + \frac{M_{ze}}{M_z} < 1$			(Xe = calculated value) (Xx = max. catalogue value)
<b>Structure profile features</b>					
Geometrical moments of inertia Lx	mm <sup>4</sup>	0,79X10 <sup>5</sup>	0,79X10 <sup>5</sup>	0,79X10 <sup>5</sup>	
Geometrical moments of inertia Ly	mm <sup>4</sup>	2,71x10 <sup>5</sup>	2,71x10 <sup>5</sup>	2,71x10 <sup>5</sup>	
Elastic module	N/mm <sup>2</sup>	70000	70000	70000	
<b>Weight</b>					
Weight of carriage	kg	0,65	0,84	0,99	
Weight of 100 mm	kg	0,34	0,4	0,4	

## Dimensions LT2

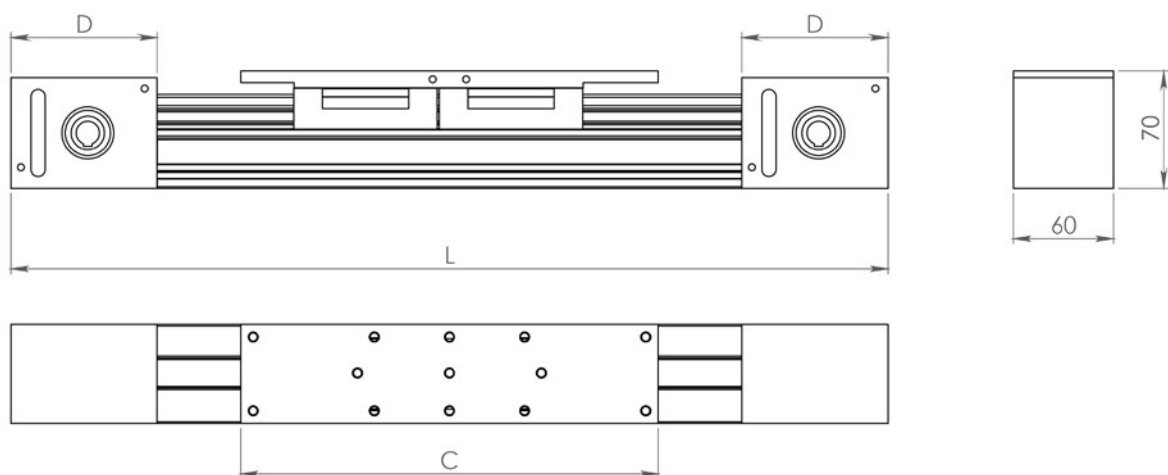
### Option with wheel guide system



### 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.

### Choice of stroke

Linear motor stage	LT2-TR-C8	LT2-TR-S20	LT2-TR-S20D
C: Carriage length, mm	110	150	250
L: Total Length, mm	Base length +		
	210	260	330
D: Flexible shaft coupling, mm	87,5	87,5	87,5