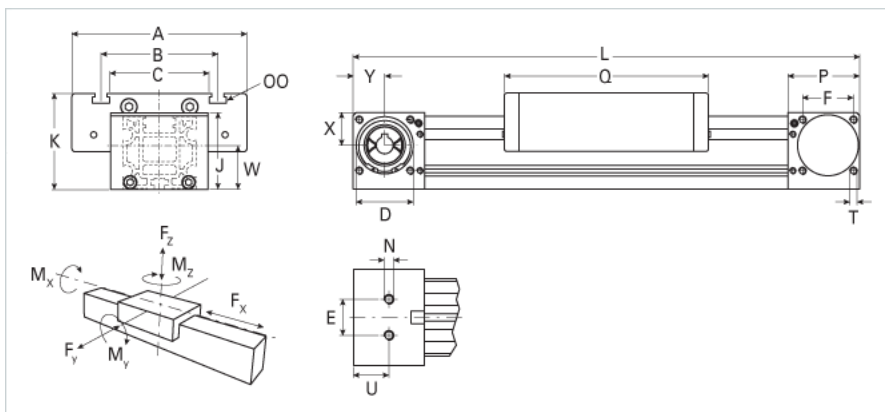
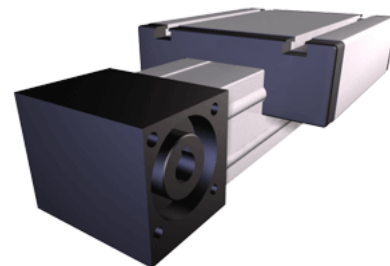


## MLZ 60

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Details	
Size	60
Belt	5M25
mm/Rev	130
Number of Teeth	26
Dimensions	
Basic Length L [mm]	290
A [mm]	144
B [mm]	96
C [mm]	80
D [mm]	47
E [mm]	30
F [mm]	42
G [mm]	-
H [mm]	-
J [mm]	63
K [mm]	79
MM	-
N	M8
OO	M8
P [mm]	59
Q [mm]	168
T	M6
U [mm]	29.5
W [mm]	36
X [mm]	27
Y [mm]	26
Shaft Diameter and Length [mm]	14 x 35
Key	5x5x28
Speed	
Speed Maximum [m/s]	5
Forces and Torques	
No-load torque [Nm]	0.6
Tensile force 0.2 sec [N]	1000
Tensile force permanent [N]	900
Fx dynamic [N]	800
Fy dynamic [N]	2000
Fz dynamic [N]	1100
Mx dynamic [Nm]	43
My dynamic [Nm]	70
Mz dynamic [Nm]	100
Fx static [N]	894
Fy static [N]	3000
Fz static [N]	1700
Mx static [Nm]	67
My static [Nm]	90
Mz static [Nm]	120
Geometrical moments of inertia of aluminum profile	
Elastic modulus [N/mm <sup>2</sup> ]	70000
Ix [mm <sup>4</sup> ]	483000
Iy [mm <sup>4</sup> ]	503000
Weight	
Additional Weight per 100 mm [kg]	0.60
Basic Weight [kg]	4.7

**Values for Calculating Inertias**

Pulley Material	Steel
Pulley Diameter [mm]	41.38
Effective Pulley Width [mm]	80
Belt Weight [kg/m]	0.123
Standard Carriage Weight [kg]	1.57
No-load torque [Nm]	0.6
Friction Coefficient	0.01