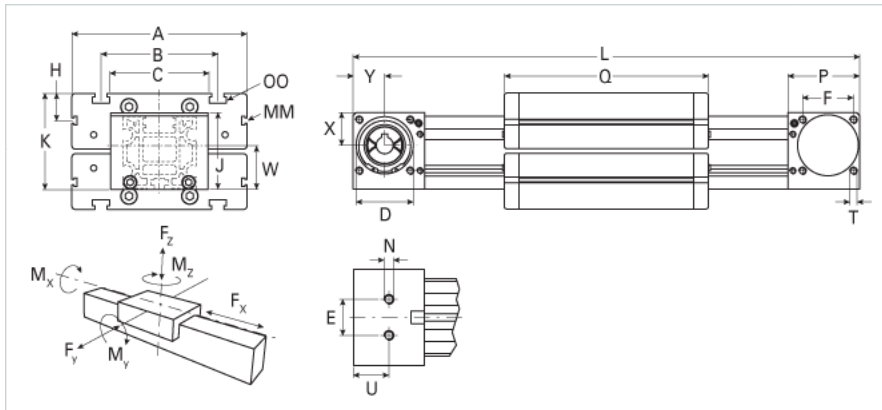
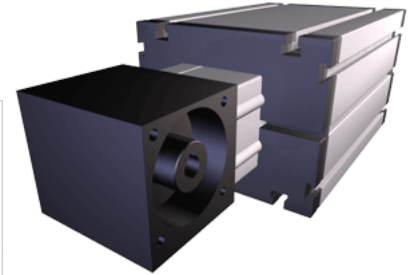


## MLZ 100 WAC

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<b>Details</b>	
Size	100
Belt	8M50
mm/Rev	256
Number of Teeth	32
<b>Dimensions</b>	
Basic Length L [mm]	546
A [mm]	230
B [mm]	155
C [mm]	130
D [mm]	90
E [mm]	110
F [mm]	80
G [mm]	-
H [mm]	29
J [mm]	120
K [mm]	139
MM	M10
N	M12
OO	M10
P [mm]	110
Q [mm]	316
T	M10
U [mm]	55
W [mm]	50
X [mm]	49
Y [mm]	50
Shaft Diameter and Length [mm]	22 x 45
Key	6x6x40
<b>Speed</b>	
Speed Maximum [m/s]	10
<b>Forces and Torques</b>	
No-load torque [Nm]	1.4
Tensile force 0.2 sec [N]	4300
Tensile force permanent [N]	4000
Fx dynamic [N]	3800
Fy dynamic [N]	6500
Fz dynamic [N]	2200
Mx dynamic [Nm]	230
My dynamic [Nm]	270
Mz dynamic [Nm]	500
Fx static [N]	4000
Fy static [N]	8000
Fz static [N]	3600
Mx static [Nm]	300
My static [Nm]	400
Mz static [Nm]	750
<b>Geometrical moments of inertia of aluminum profile</b>	
Elastic modulus [N/mm <sup>2</sup> ]	70000
Ix [mm <sup>4</sup> ]	4350000
Iy [mm <sup>4</sup> ]	3940000
<b>Weight</b>	
Additional Weight per 100 mm [kg]	1.55

Basic Weight [kg]	22.5
<b>Values for Calculating Inertias</b>	
Pulley Material	Aluminum
Pulley Diameter [mm]	71.30
Effective Pulley Width [mm]	130
Belt Weight [kg/m]	0.355
Standard Carriage Weight [kg]	13.10
No-load torque [Nm]	1.4
Friction Coefficient	0.01