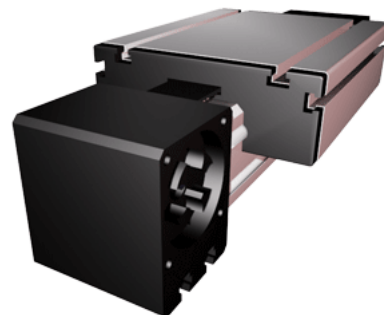
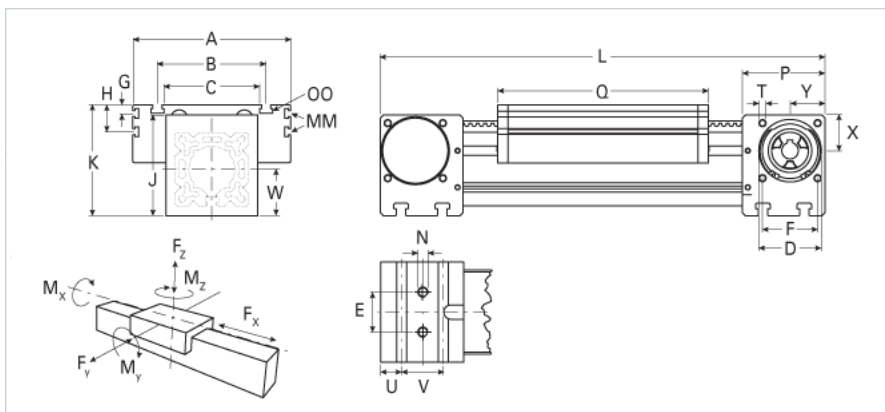


## ELZex 125

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<b>Details</b>	
Size	125
Belt	8M70
mm/Rev	304
Number of Teeth	38
<b>Dimensions</b>	
Basic Length L [mm]	625
A [mm]	295
B [mm]	200
C [mm]	160
D [mm]	110
E [mm]	60
F [mm]	100
G [mm]	-
H [mm]	30
J [mm]	167
K [mm]	191
MM	M10
N	M12
OO	M12
P [mm]	130
Q [mm]	365
T	M10
U [mm]	38
V [mm]	50
W [mm]	82
X [mm]	60
Y [mm]	60
Shaft Diameter and Length [mm]	30 x 65
Key	8x7x50
<b>Speed</b>	
Speed Maximum [m/s]	1
<b>Forces and Torques</b>	
No-load torques [Nm]	1.8
Tensile force permanent [N]	2067
Fx dynamic [N]	1654
Fy dynamic [N]	3984
Fz dynamic [N]	1752
Mx dynamic [Nm]	176
My dynamic [Nm]	224
Mz dynamic [Nm]	509
Fx static [N]	2067
Fy static [N]	4980
Fz static [N]	2190
Mx static [Nm]	220
My static [Nm]	280
Mz static [Nm]	636
<b>Geometrical moments of inertia of aluminum profile</b>	
Elastic modulus [N/mm <sup>2</sup> ]	70000
Ix [mm <sup>4</sup> ]	10150000
Iy [mm <sup>4</sup> ]	10150000
<b>Weight</b>	
Additional Weight per 100 mm [kg]	2.10

Basic Weight [kg]	37.0
<b>Values for Calculating Inertias</b>	
Pulley Material	Aluminum
Pulley Diameter [mm]	96.77
Effective Pulley Width [mm]	160
Belt Weight [kg/m]	0.480
Standard Carriage Weight [kg]	12.10
No-load torque [Nm]	1.8
Friction Coefficient	0.01