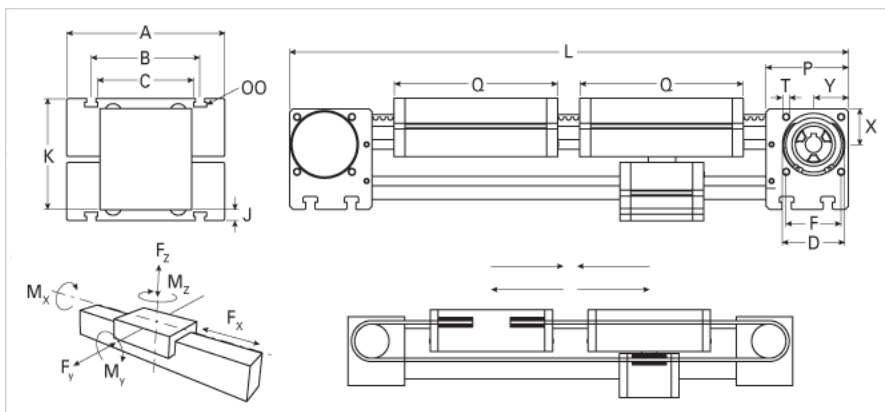
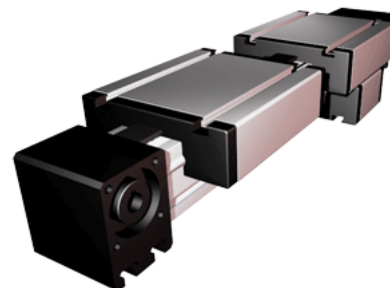


ELZ 60 Dual Carriage

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Details	
Size	60
Belt	5M25
mm/Rev	130
Number of Teeth	26
Dimensions	
Basic Length L [mm]	460
A [mm]	144
B [mm]	96
C [mm]	80
D [mm]	47
F [mm]	42
G [mm]	-
H [mm]	-
J [mm]	8
K [mm]	98
MM	-
OO	M8
P [mm]	59
Q [mm]	168
T	M6
X [mm]	27
Y [mm]	27
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 ²]	70000
Ix [mm ⁴]	679000
Iy [mm ⁴]	697000
Weight	
Additional Weight per 100 mm [kg]	0.62
Basic Weight [kg]	7.4
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