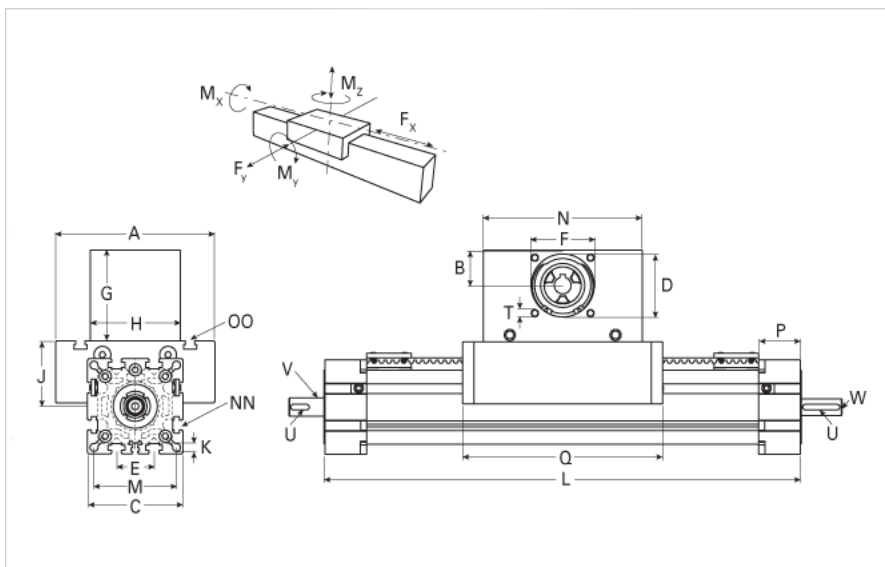
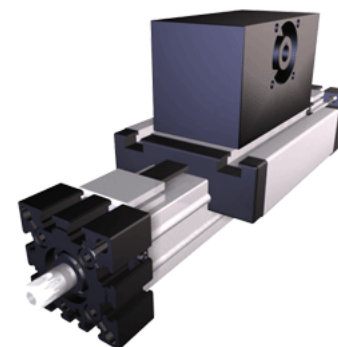


## ELSD 60S

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<b>Details</b>	
Size	60S
Belt	5M25
mm/Rev	130
Number of Teeth	26
<b>Dimensions</b>	
Basic Length L [mm]	345
A [mm]	170
B [mm]	30
C [mm]	82
D [mm]	47
E [mm]	30
F [mm]	42
G [mm]	80
H [mm]	80
I [mm]	-
J [mm]	53
K [mm]	8.5
M [mm]	69
MM	-
N [mm]	130
NN	M8
OO	M8
P [mm]	35
Q [mm]	194
T	M6
X [mm]	-
V (Z Drive End) [mm]	14 x 25
U (Z Drive End) [mm]	5x5x20
V (Z Load End) [mm]	17 x 25
U (Z Load End) [mm]	5x5x20
W (Z Load End) [mm]	M8x20
Shaft Diameter and Length [mm]	14 x 35
Key	5x5x28
<b>Speed</b>	
Speed Maximum [m/s]	7
<b>Forces and Torques</b>	
No-load torque Stiction torque Mr [Nm]	0.1
No-load torque [Nm]	0.9
Tensile force 0.2 sec [N]	1000
Tensile force permanent [N]	900
Fd [N]	150
Mr [Nm]	10
Fx dynamic [N]	800
Fy dynamic [N]	3100
Fz dynamic [N]	1600
Mx dynamic [Nm]	65

My dynamic [Nm]	140
Mz dynamic [Nm]	170
Fx static [N]	894
Fy static [N]	4100
Fz static [N]	2160
Mx static [Nm]	88
My static [Nm]	190
Mz static [Nm]	230
<b>Geometrical moments of inertia of aluminum profile</b>	
Elastic modulus [N/mm <sup>2</sup> ]	70000
Ix [mm <sup>4</sup> ]	679000
Iy [mm <sup>4</sup> ]	697000
<b>Weight</b>	
Additional Weight per 100 mm [kg]	0.87
Basic Weight [kg]	6.9
<b>Values for Calculating Inertias</b>	
Pulley Material - Drive Pulley (x1)	Steel
Pulley Material - Idler Pulleys (x2)	Plastic
Pulley Diameter [mm]	41.38
Effective Pulley Width [mm]	80
Belt Weight [kg/m]	0.123
Standard Carriage Weight [kg]	2.72
No-load torque [Nm]	0.9
Friction Coefficient	0.01