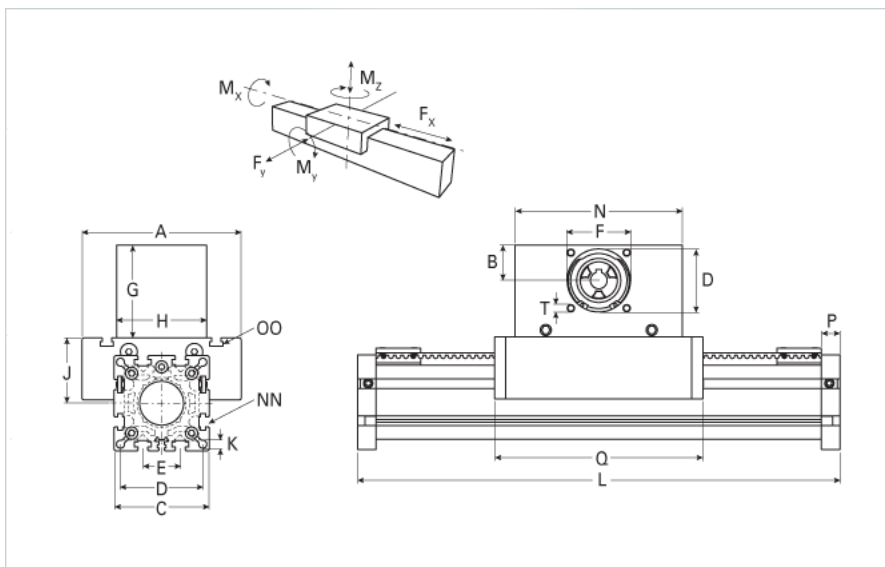


ELSZ 40 Wide Belt

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Details	
Size	40
Belt	5M25
mm/Rev	130
Number of Teeth	26
Dimensions	
Basic Length L [mm]	260
A [mm]	100
B [mm]	30
C [mm]	58
D [mm]	47
E [mm]	25
F [mm]	42
G [mm]	83
H [mm]	80
I [mm]	-
J [mm]	35
K [mm]	6.5
MM	-
N [mm]	130
NN	M6
O [mm]	47
OO	M6
P [mm]	12
Q [mm]	164
T	M6
V [mm]	-
Shaft Diameter and Length [mm]	14 x 35
Key	5x5x28
Speed	
Speed Maximum [m/s]	4
Forces and Torques	
No-load torque [Nm]	0.7
Tensile force 0.2 sec [N]	480
Tensile force permanent [N]	894
Fx dynamic [N]	800
Fy dynamic [N]	700
Fz dynamic [N]	650
Mx dynamic [Nm]	20
My dynamic [Nm]	18
Mz dynamic [Nm]	25
Fx static [N]	894
Fy static [N]	1200
Fz static [N]	900
Mx static [Nm]	25
My static [Nm]	32
Mz static [Nm]	35

Geometrical moments of inertia of aluminum profile

Elastic modulus [N/mm ²]	70000
I _x [mm ⁴]	132000
I _y [mm ⁴]	134000

Weight

Additional Weight per 100 mm [kg]	0.24
Basic Weight [kg]	2.7

Values for Calculating Inertias

Pulley Material - Drive Pulley (x1)	Steel
Pulley Material - Idler Pulleys (x2)	Plastic
Pulley Diameter [mm]	41.4
Effective Pulley Width [mm]	80
Belt Weight [kg/m]	0.074
Standard Carriage Weight [kg]	0.72
No-load torque [Nm]	0.7
Friction Coefficient	0.01