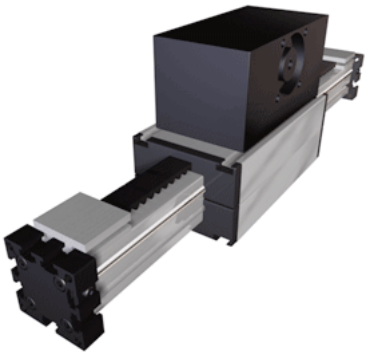
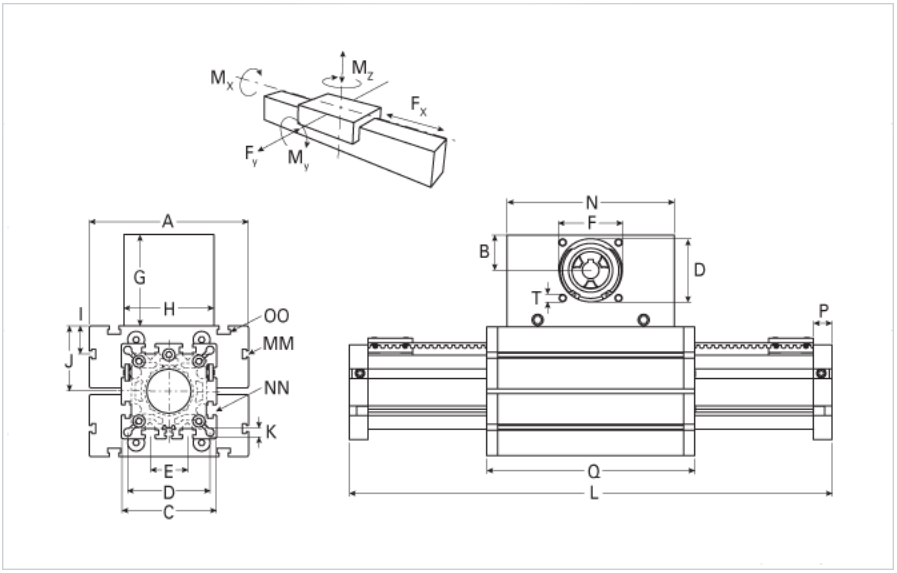
Product Specification Sheet

ELSZ 100 WAC

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Details	
Size	100
Belt	8M50
mm/Rev	256
Number of Teeth	32
Dimensions	
Basic Length L [mm]	536
A [mm]	230
B [mm]	60
C [mm]	130
D [mm]	90
E [mm]	50
F [mm]	80
G [mm]	130
H [mm]	130
I [mm]	30
J [mm]	90
K [mm]	10.5
MM	M10
N [mm]	270
NN	M12
O [mm]	112
OO	M10
P [mm]	30
Q [mm]	326
T	M10
V [mm]	-
Shaft Diameter and Length [mm]	22 x 45
Key	6x6x40
Speed	
Speed Maximum [m/s]	8
Forces and Torques	
No-load torque [Nm]	1.5
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
Geometrical moments of inertia of aluminum profile	

Elastic modulus [N/mm²]	70000
Ix [mm⁴]	4440000
Iy [mm⁴]	4480000
Weight	
Additional Weight per 100 mm [kg]	1.60
Basic Weight [kg]	25.8
Values for Calulating Inertias	
Pulley Material - Drive Pulley (x1)	Aluminum
Pulley Material - Idler Pulleys (x2)	Aluminum
Pulley Diameter [mm]	81.49
Effective Pulley Width [mm]	130
Belt Weight [kg/m]	0.355
Standard Carriage Weight [kg]	14.90
No-load torque [Nm]	1.5
Friction Coefficient	0.01