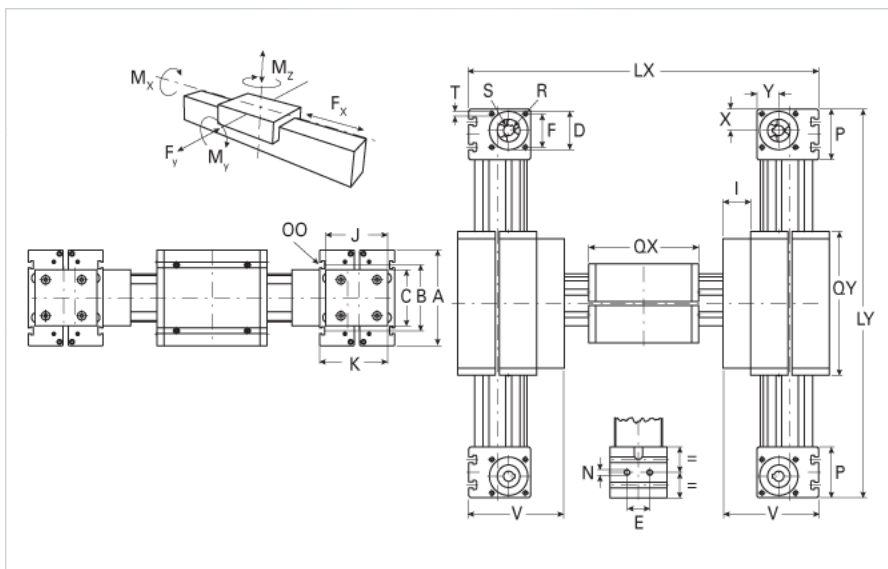


ELZU 60 X&Y-Axis WAC

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Details

Size	60
Belt	5M25
mm/Rev	130
Number of Teeth	26

Dimensions

Basic length Lx [mm]	442
Basic length Ly [mm]	346
A [mm]	144
B [mm]	96
C [mm]	80
D [mm]	47
E [mm]	30
F [mm]	42
G [mm]	-
H [mm]	-
I [mm]	33
J [mm]	82
K [mm]	90
M [mm]	-
N [mm]	M8
O [mm]	M8
P [mm]	59
Qx [mm]	184
Qy [mm]	226
T [mm]	M6
V [mm]	123
X [mm]	26
Y [mm]	26
Shaft Diameter and Length [mm]	14 x 35
Key	5x5x28

Speed

Speed Maximum [m/s]	5
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Forces and Torques

No-load torque [Nm]	1.2
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]	14.7
Values for Calculating Inertias	
Pulley Material	Steel
Pulley Diameter [mm]	41.38
Effective Pulley Width [mm]	80.0
Belt Weight [kg/m]	0.123
Standard Carriage Weight [kg]	3.13
No-load torque [Nm]	0.6
Friction Coefficient	0.01