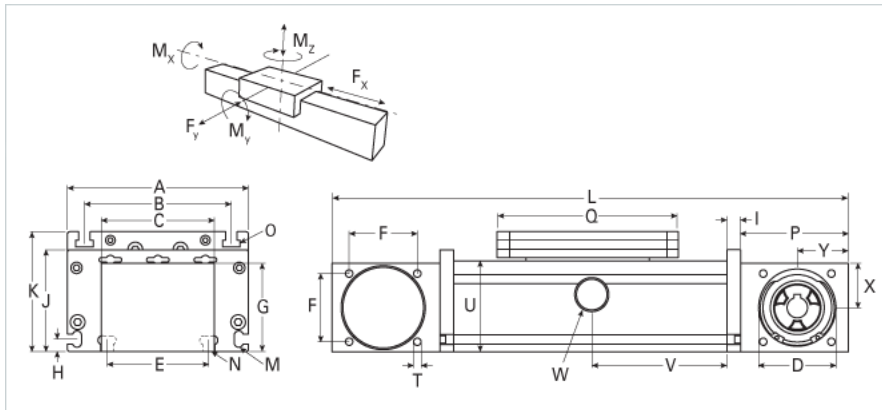
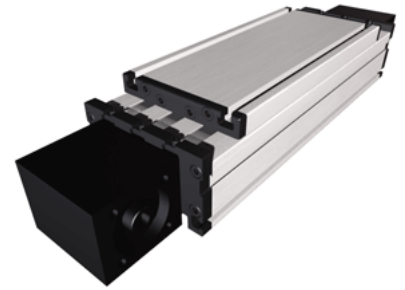


DLZ 160 Extended Carriage

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Details

Size	160
Belt	8M30/8M50
mm/Rev	176
Number of Teeth	22
Pully Diameter [mm]	56.0

Dimensions

Basic Length L [mm]	490
A [mm]	160
B [mm]	130
C [mm]	100
D [mm]	68
E [mm]	90
F [mm]	60
G [mm]	78
H [mm]	11
I [mm]	12
J [mm]	90
K [mm]	106
M	M6
N	M8
O	M8
P [mm]	95
Q [mm]	250
T	M8
U [mm]	80
X [mm]	39
Y [mm]	45

Speed

Speed Maximum [m/s]	6
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Forces and Torques

No-load torque [Nm]	3.8
Tensile force 0.2 sec [N]	2090
Tensile force permanent [N]	1900
Fx dynamic [N]	1800
Fy dynamic [N]	2000
Fz dynamic [N]	2800
Mx dynamic [Nm]	320
My dynamic [Nm]	300
Mz dynamic [Nm]	150
Fx static [N]	1900
Fy static [N]	3000
Fz static [N]	3500
Mx static [Nm]	400
My static [Nm]	360
Mz static [Nm]	180

Geometrical moments of inertia of aluminum profile

Elastic modulus [N/mm ²]	70000
Ix [mm ⁴]	2220000
Iy [mm ⁴]	12200000

Weight

Additional Weight per 100 mm [kg]	1.69
Basic Weight [kg]	13.0

Values for Calculating Inertias

Pulley Material	Aluminum
Pulley Diameter [mm]	56.02
Effective Pulley Width [mm]	100
Belt Weight [kg/m]	0.256
Standard Carriage Weight [kg]	3.59
No-load torque (w/cover bands) [Nm]	2.1
No-load torque (w/o cover bands) [Nm]	1.5
Friction Coefficient	0.01