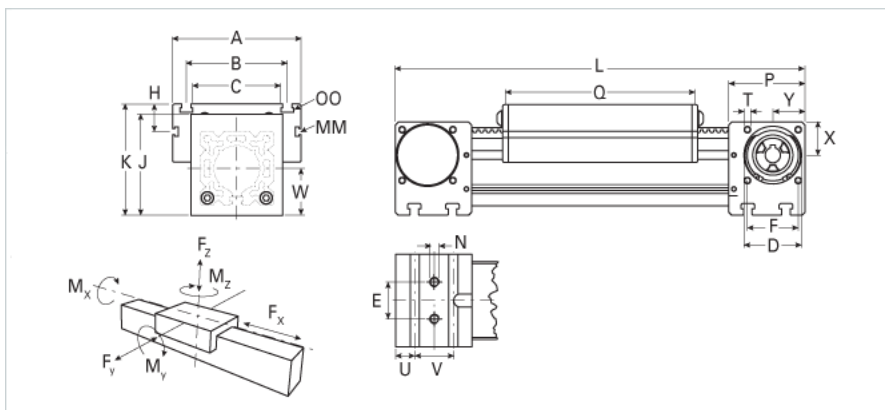
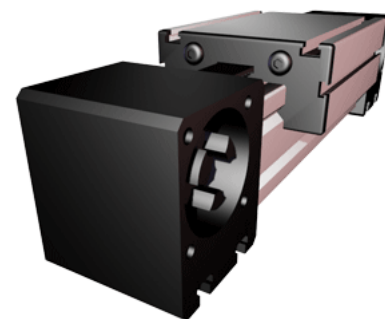


## EGZ 80

Call 800-321-7800 or visit us online at [www.nookindustries.com](http://www.nookindustries.com) to configure and order your EGZ 80 today!



### Details

Size	80
Belt	8M30
MM/REV	192
Number of Teeth	24

### Dimensions

A [mm]	140
B [mm]	110
Basic Length L [mm]	375
C [mm]	100
D [mm]	68
E [mm]	40
F [mm]	60
H [mm]	30
J [mm]	110
K [mm]	121
MM	M6
N	M10
OO	M10
P [mm]	90
Q [mm]	193
T	M8
U [mm]	22.5
V [mm]	45
W [mm]	51
X [mm]	39
Y [mm]	38
Shaft Key [mm]	6x6x40
Shaft Diameter h6 x Length [mm]	18 x 45
Shaft Diameter and Length [mm]	18 x 45
Key	6x6x40

### Speed

Speed Maximum [m/s]	2
---------------------	---

### Forces and Torques

No Load Torque [Nm]	0.9
Tensile force 0.2 sec [N]	2090
Tensile force permanent [N]	1900
Fx dynamic [N]	1800
Fy dynamic [N]	900
Fz dynamic [N]	1000
Mx dynamic [Nm]	75
My dynamic [Nm]	200
Mz dynamic [Nm]	150
Fx static [N]	1900
Fy static [N]	1000
Fz static [N]	1125
Mx static [Nm]	82
My static [Nm]	220
Mz static [Nm]	165

### Geometrical moments of inertia of aluminum profile

Elastic modulus [N/mm <sup>2</sup> ]	70000
Ix [mm <sup>4</sup> ]	1923000
Iy [mm <sup>4</sup> ]	2109.45

### Weight

Additional Weight per 100 mm [kg]	0.82
Basic Weight [kg]	9.36
<b>Values for Calculating Inertias</b>	
Pulley Material	Steel
Pulley Diameter [mm]	61.12
Effective Pulley Width [mm]	100
Belt Weight [kg/m]	0.256
Standard Carriage Weight [kg]	2.64
No-load torque [Nm]	0.9
Friction Coefficient	0.01