Product Specification Sheet

ELK 80S Dual Carriage

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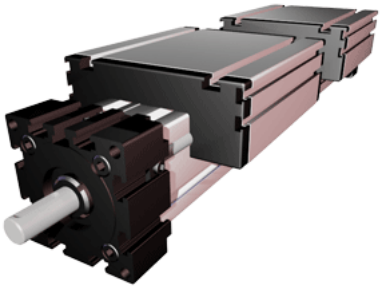

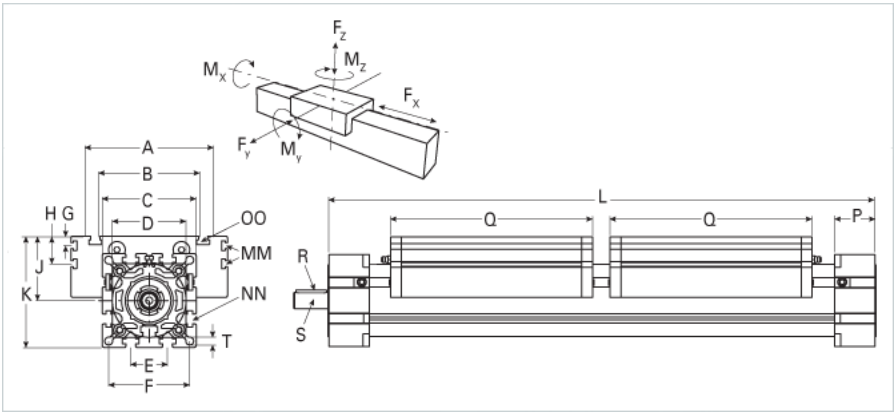

Details	
Size	80S
Screw Options	32x5/25x25/32x10
Screw Type	Ball Screw
Dimensions	
Basic Length L [mm]	480
A [mm]	170
B [mm]	117
C [mm]	102
D [mm]	80x1
E [mm]	40
F [mm]	88
G [mm]	10
H [mm]	30
J [mm]	70
K [mm]	121
MM	M6
NN	M10
OO	M10
P [mm]	45
Q [mm]	194
R [mm]	6x6x40
S Diameter x Length [mm]	18 x 45
T-Diameter [mm]	8.9
Forces and Torques	
No-load torque [Nm	1.0
Fx dynamic [N]	4000
Fy dynamic [N]	3600
Fz dynamic [N]	1800
Mx dynamic [Nm]	140
My dynamic [Nm]	230
Mz dynamic [Nm]	220
Fx static [N]	5000
Fy static [N]	4600
Fz static [N]	3000
Mx static [Nm]	170
My static [Nm]	270
Mz static [Nm]	300
Geometrical moments of inertia of aluminum profile	
Elastic modulus [N/mm²]	70000
Ix [mm⁴]	1899000
Iy [mm⁴]	1897000
Weight	
Additional Weight per 100 mm [kg]	1.48
Basic Weight [kg]	15.0