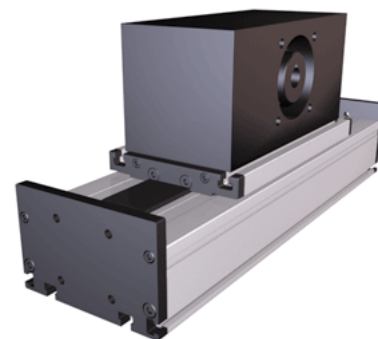
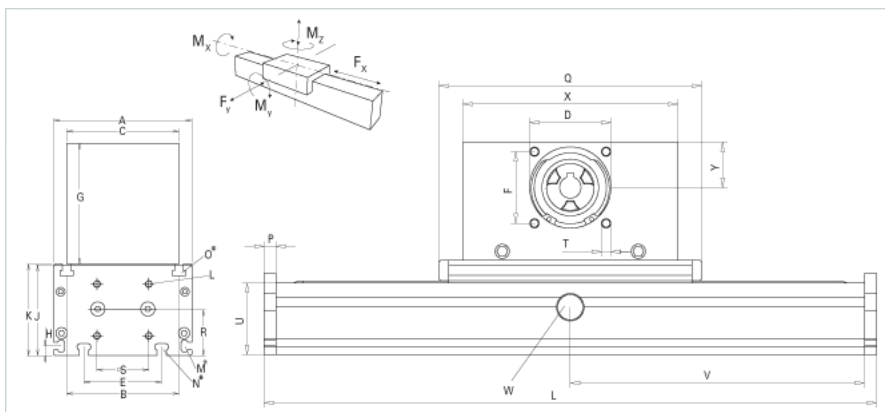


## DSSZ 120

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Details	
Size	120
Belt	8M30
mm/Rev	192
Number of Teeth	24
Pully Diameter [mm]	61.1
Dimensions	
Basic Length L [mm]	230
A [mm]	120
B [mm]	96
C [mm]	100
D [mm]	68
E [mm]	78
F [mm]	60
G [mm]	100
H [mm]	10
J [mm]	78
K [mm]	79
L [mm]	M6
M	M5
N	M6
O	M6
P [mm]	10
Q [mm]	200
R [mm]	39
S [mm]	42
T	M8
U [mm]	60
X [mm]	180
Y [mm]	39
Shaft Diameter and Length [mm]	18 x 45
Key	6x6x40
Speed	
Speed Maximum [m/s]	5
Forces and Torques	
Fx [N] 10000 km	1800
Fy [N] 10000 km	1405
Fz [N] 10000 km	1650
Mx [Nm] 10000 km	64
My [Nm] 10000 km	77
Mz [Nm] 10000 km	76
Fx [N] 5000 km	1900
Fy [N] 5000 km	1776
Fz [N] 5000 km	2090
Mx [Nm] 5000 km	81
My [Nm] 5000 km	97
Mz [Nm] 5000 km	96
No-load torque [Nm]	1.4
Tensile force 0.2 sec [N]	2090
Tensile force permanent [N]	1900
Geometrical moments of inertia of aluminum profile	
Elastic modulus [N/mm <sup>2</sup> ]	70000
Ix [mm <sup>4</sup> ]	461000
Iy [mm <sup>4</sup> ]	3419000

**Weight**

Additional Weight per 100 mm [kg]	1.80
Basic Weight [kg]	1.2