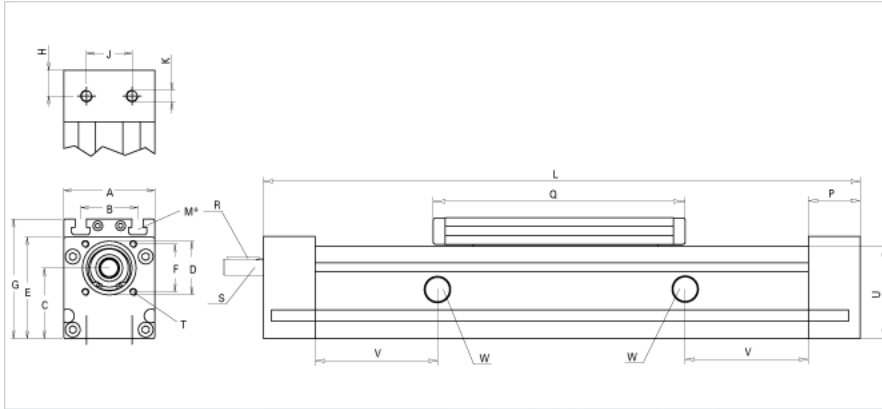
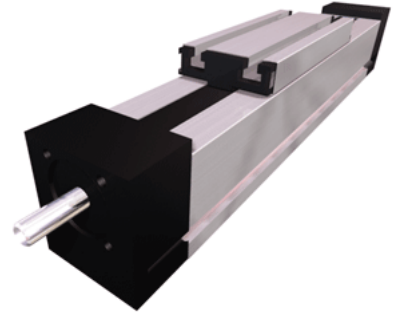


## QSTE 80

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<b>Details</b>	
Size	80
Screw Options	24x5/24x10
Screw Type	Trapexoidal
<b>Dimensions</b>	
Basic Length L [mm]	350
A [mm]	81
B [mm]	50
C [mm]	62.5
D [mm]	47
E [mm]	89.5
F [mm]	42
G [mm]	107
H [mm]	22.5
J [mm]	40
K	M10
N	M8
P [mm]	45
Q [mm]	250
Shaft R Key [mm]	5x5x28
Shaft S Diameter x Length [mm]	14h6x35
T	M6
U [mm]	81
<b>Forces and Torques</b>	
F <sub>x</sub> [N] 10000 km	2000
F <sub>y</sub> [N] 10000 km	2542
F <sub>z</sub> [N] 10000 km	6050
M <sub>x</sub> [Nm] 10000 km	76
M <sub>y</sub> [Nm] 10000 km	430
M <sub>z</sub> [Nm] 10000 km	392
F <sub>x</sub> [N] 5000 km	2500
F <sub>y</sub> [N] 5000 km	3570
F <sub>z</sub> [N] 5000 km	8500
M <sub>x</sub> [Nm] 5000 km	107
M <sub>y</sub> [Nm] 5000 km	604
M <sub>z</sub> [Nm] 5000 km	550
<b>Geometrical moments of inertia of aluminum profile</b>	
Elastic modulus [N/mm <sup>2</sup> ]	70000
I <sub>x</sub> [mm <sup>4</sup> ]	1400000
I <sub>y</sub> [mm <sup>4</sup> ]	1660000
<b>Weight</b>	
Weight Per 100 mm [kg]	0.9
Basic Weight [kg]	7.5