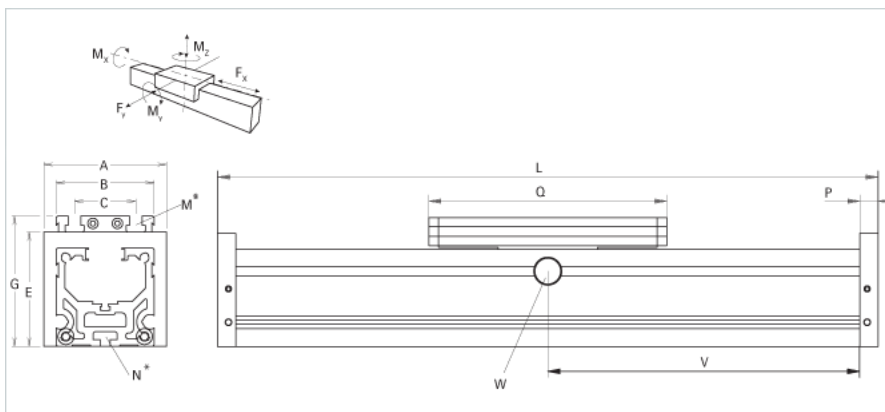


## QSR 80

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<b>Details</b>	
Size	80
<b>Dimensions</b>	
Basic Length L [mm]	270
A [mm]	100
B [mm]	80
C [mm]	50
E [mm]	93
G [mm]	106
M	M8
N	M6
P [mm]	17
Q [mm]	232
<b>Speed</b>	
Speed Maximum [m/s]	5
<b>Forces and Torques</b>	
F <sub>x</sub> [N] 10000 km	-
F <sub>y</sub> [N] 10000 km	2550
F <sub>z</sub> [N] 10000 km	6050
M <sub>x</sub> [Nm] 10000 km	75
M <sub>y</sub> [Nm] 10000 km	222
M <sub>z</sub> [Nm] 10000 km	210
F <sub>x</sub> [N] 5000 km	-
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	310
M <sub>z</sub> [Nm] 5000 km	296
<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> ]	1650000
I <sub>y</sub> [mm <sup>4</sup> ]	1870000
<b>Weight</b>	
Additional Weight per 100 mm [kg]	0.96
Basic Weight [kg]	4.9