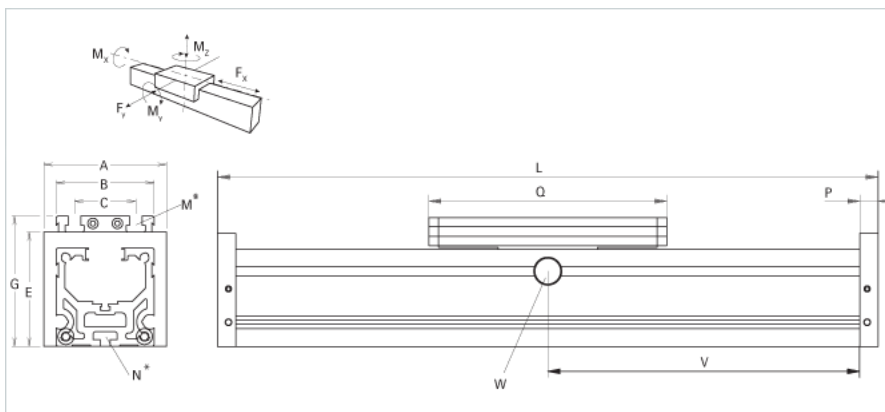


## QSR 100

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<b>Details</b>	
Size	100
<b>Dimensions</b>	
Basic Length L [mm]	315
A [mm]	130
B [mm]	100
C [mm]	66
E [mm]	110
G [mm]	129
M	M10
N	M10
P [mm]	20
Q [mm]	268
<b>Speed</b>	
Speed Maximum [m/s]	5
<b>Forces and Torques</b>	
Fx [N] 10000 km	-
Fy [N] 10000 km	2900
Fz [N] 10000 km	7270
Mx [Nm] 10000 km	101
My [Nm] 10000 km	311
Mz [Nm] 10000 km	292
Fx [N] 5000 km	-
Fy [N] 5000 km	7080
Fz [N] 5000 km	10300
Mx [Nm] 5000 km	142
My [Nm] 5000 km	439
Mz [Nm] 5000 km	412
<b>Geometrical moments of inertia of aluminum profile</b>	
Elastic modulus [N/mm <sup>2</sup> ]	70000
Ix [mm <sup>4</sup> ]	4300000
Iy [mm <sup>4</sup> ]	4880000
<b>Weight</b>	
Additional Weight per 100 mm [kg]	1.71
Basic Weight [kg]	8.2