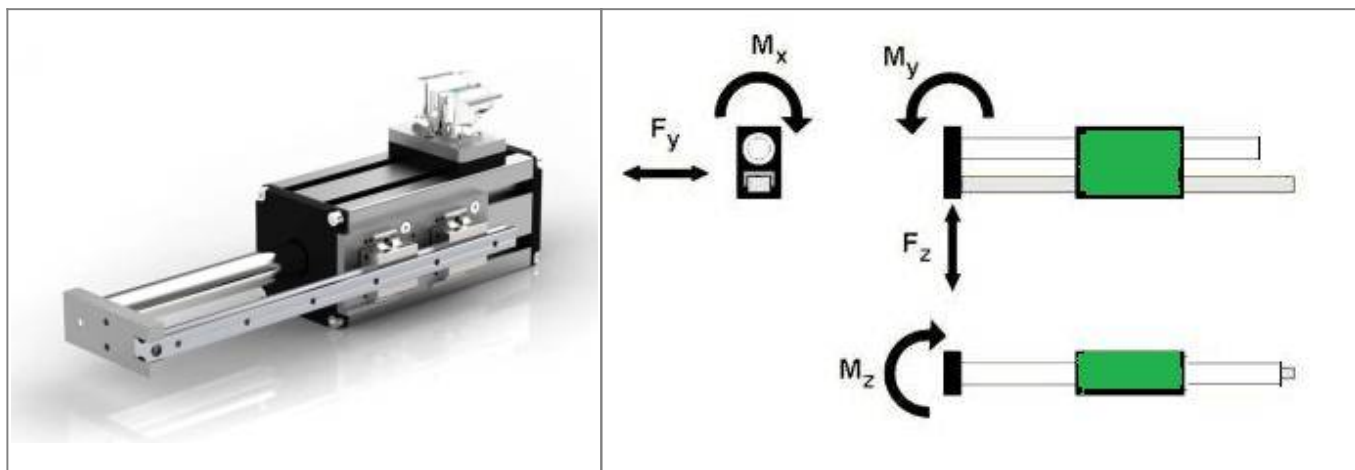


Antirotation mechanics



Force and momentum ratings

Parameter	GD160D/T/Q	GD250D/T/Q/X	GD350D/T/Q/X/E
Fy [N]	248	1000	1480
Fz [N]	248	1490	2450
Mx [Nm]	44	192	360
My [Nm]	77	435	720
Mz [Nm]	77	275	445
Lifespan [km]	> 90.000	> 100.000	> 90.000
Note that this lifespan is considering a lubrication interval of 5000 Km each 6 months. Theoretical value calculated considering miniature linear guide size 12 and 15 and standart linear guide size 15			

Bending rating

Extension [mm]	60	160	260
Bending [mm] per motor size GD160D/T/Q			
Fz = 5 N	0.004	0.081	0.34
Fz = 10 N	0.012	0.151	0.65
Fz = 20 N	0.021	0.300	1.31
Bending [mm] per motor size GD250D/T/Q/X			
Fz = 10 N	0.005	0.029	0.11
Fz = 10 N	0.008	0.049	0.22
Fz = 20 N	0.010	0.109	0.46
Bending [mm] per motor size GD350D/T/Q/X/E			
Fz = 20 N	0.002	0.019	0.089
Fz = 40 N	0.005	0.039	0.179
Fz = 80 N	0.009	0.079	0.359

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