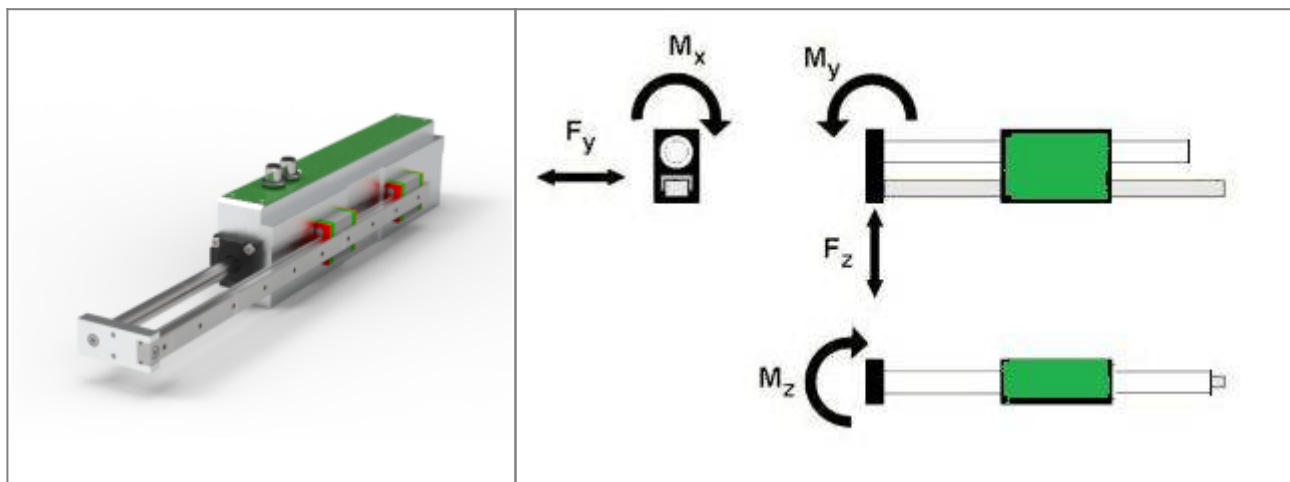


Antirotation mechanics



Force and momentum ratings

| Parameter | NL080Q/X | NL120Q/X |
|--|----------|----------|
| Fy [N] | 58 | 248 |
| Fz [N] | 58 | 248 |
| Mx [Nm] | 8 | 44 |
| My [Nm] | 14 | 77 |
| Mz [Nm] | 14 | 77 |
| Lifespan [km] | > 50.000 | > 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 9 and size 12. | | |

Bending rating

| Extension [mm] | 60 | 160 | 260 |
|---|-------|-------|------|
| Bending [mm] per motor size NL080Q/X | | | |
| Fz = 2.5 N | 0.005 | 0.09 | 0.40 |
| Fz = 5 N | 0.011 | 0.016 | 0.70 |
| Fz = 10 N | 0.023 | 0.35 | 1.45 |
| Bending [mm] per motor size NL120Q/X | | | |
| 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 |

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