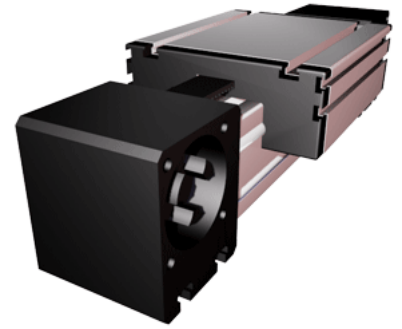
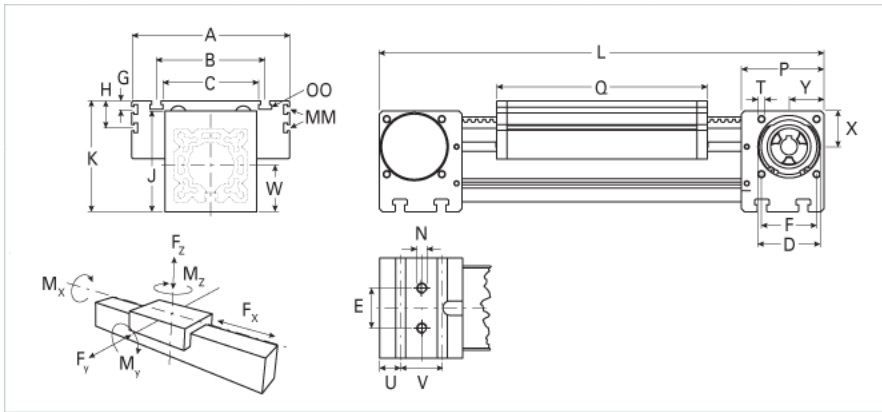


ELZex 80

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Details

| | |
|---------------------|------|
| Size | 80 |
| Belt | 8M30 |
| mm/Rev | 192 |
| Number of Teeth | 24 |
| Pully Diameter [mm] | 61.1 |

Dimensions

| | |
|--------------------------------|---------|
| Basic Length L [mm] | 375 |
| A [mm] | 170 |
| B [mm] | 117 |
| C [mm] | 100 |
| D [mm] | 68 |
| E [mm] | 40 |
| F [mm] | 60 |
| G [mm] | 10 |
| H [mm] | 30 |
| J [mm] | 110 |
| K [mm] | 121 |
| MM | M6 |
| N | M10 |
| OO | M10 |
| P [mm] | 90 |
| Q [mm] | 194 |
| T | M8 |
| U [mm] | 22.5 |
| V [mm] | 45 |
| W [mm] | 51 |
| X [mm] | 39 |
| Y [mm] | 38 |
| Shaft Diameter and Length [mm] | 18 x 45 |
| Key | 6x6x40 |

Speed

| | |
|---------------------|---|
| Speed Maximum [m/s] | 1 |
|---------------------|---|

Forces and Torques

| | |
|-----------------------------|------|
| No-load torques [Nm] | 0.9 |
| Tensile force permanent [N] | 1083 |
| Fx dynamic [N] | 866 |
| Fy dynamic [N] | 1267 |
| Fz dynamic [N] | 490 |
| Mx dynamic [Nm] | 29 |
| My dynamic [Nm] | 32 |
| Mz dynamic [Nm] | 81 |
| Fx static [N] | 1083 |
| Fy static [N] | 1584 |
| Fz static [N] | 613 |
| Mx static [Nm] | 36 |
| My static [Nm] | 39 |
| Mz static [Nm] | 100 |

Geometrical moments of inertia of aluminum profile

| | |
|--------------------------------------|---------|
| Elastic modulus [N/mm ²] | 70000 |
| Ix [mm ⁴] | 1899000 |
| Iy [mm ⁴] | 1897000 |

Weight

Additional Weight per 100 mm [kg]

1.00

Basic Weight [kg]

10.0
