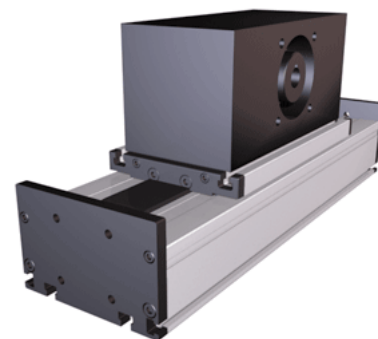
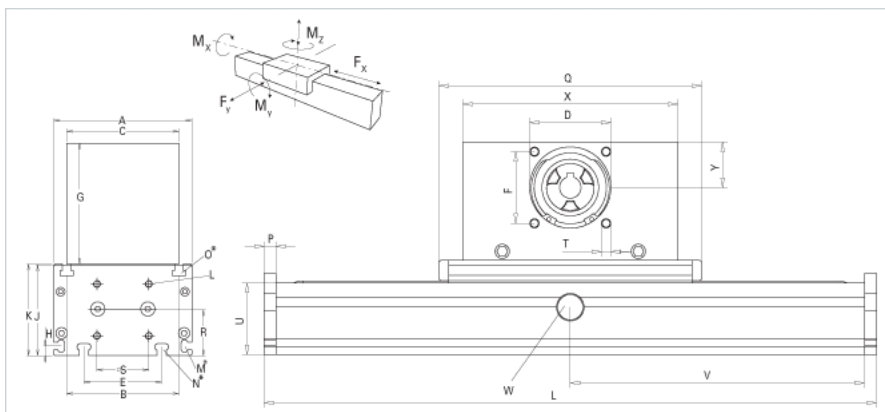


DSSZ 160

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Details

| | |
|---------------------|------|
| Size | 160 |
| Belt | 8M50 |
| mm/Rev | 256 |
| Number of Teeth | 32 |
| Pully Diameter [mm] | 81.5 |

Dimensions

| | |
|--------------------------------|---------|
| Basic Length L [mm] | 330 |
| A [mm] | 160 |
| B [mm] | 130 |
| C [mm] | 130 |
| D [mm] | 90 |
| E [mm] | 90 |
| F [mm] | 80 |
| G [mm] | 140 |
| H [mm] | 11 |
| J [mm] | 105 |
| K [mm] | 106 |
| L [mm] | |
| M | M6 |
| N | M8 |
| O | M8 |
| P [mm] | 12 |
| Q [mm] | 290 |
| R [mm] | 53 |
| S [mm] | 60 |
| T | M10 |
| U [mm] | 80 |
| X [mm] | 270 |
| Y [mm] | 60 |
| Shaft Diameter and Length [mm] | 22 x 45 |
| Key | 6x6x40 |

Speed

| | |
|---------------------|---|
| Speed Maximum [m/s] | 5 |
|---------------------|---|

Forces and Torques

| | |
|-----------------------------|------|
| Fx [N] 10000 km | 3800 |
| Fy [N] 10000 km | 1775 |
| Fz [N] 10000 km | 4189 |
| Mx [Nm] 10000 km | 224 |
| My [Nm] 10000 km | 225 |
| Mz [Nm] 10000 km | 238 |
| Fx [N] 5000 km | 4000 |
| Fy [N] 5000 km | 2236 |
| Fz [N] 5000 km | 5278 |
| Mx [Nm] 5000 km | 282 |
| My [Nm] 5000 km | 283 |
| Mz [Nm] 5000 km | 300 |
| No-load torque [Nm] | 1.8 |
| Tensile force 0.2 sec [N] | 4300 |
| Tensile force permanent [N] | 4000 |

Geometrical moments of inertia of aluminum profile

| | |
|--------------------------------------|---------|
| Elastic modulus [N/mm ²] | 70000 |
| Ix [mm ⁴] | 2130000 |
| Iy [mm ⁴] | 1230000 |

Weight

Additional Weight per 100 mm [kg]

1.80

Basic Weight [kg]

27.8