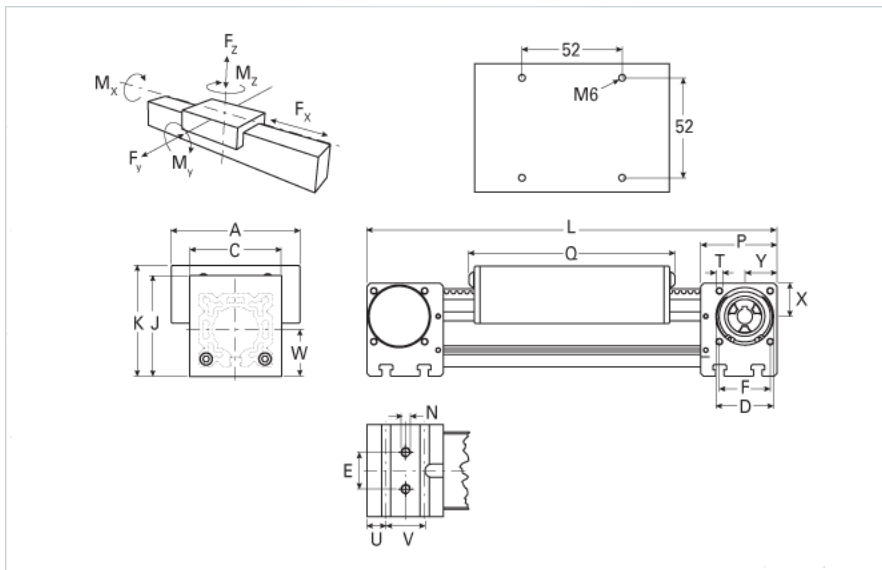
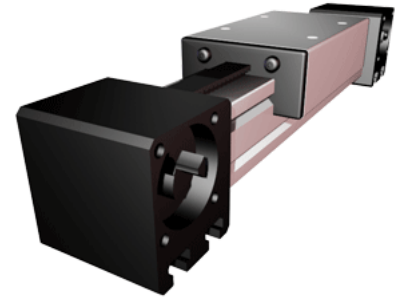


## EGZ 40

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### Details

|                     |      |
|---------------------|------|
| Size                | 40   |
| Belt                | 5M12 |
| MM/REV              | 100  |
| Number of Teeth     | 20   |
| Pully Diameter [mm] | 31.8 |

### Dimensions

|                                 |         |
|---------------------------------|---------|
| A [mm]                          | 70      |
| B [mm]                          | -       |
| Basic Length L [mm]             | 225     |
| C [mm]                          | 58      |
| D [mm]                          | 37      |
| E [mm]                          | 18      |
| F [mm]                          | 32      |
| H [mm]                          | -       |
| J [mm]                          | 58      |
| K [mm]                          | 64      |
| MM                              | -       |
| N                               | M6      |
| OO                              | M6      |
| P [mm]                          | 49      |
| Q [mm]                          | 118     |
| T                               | M5      |
| U [mm]                          | 12.5    |
| V [mm]                          | 24      |
| W [mm]                          | 29      |
| X [mm]                          | 20.5    |
| Y [mm]                          | 20.5    |
| Shaft Key [mm]                  | 3x3x25  |
| Shaft Diameter h6 x Length [mm] | 10 x 27 |
| Shaft Diameter and Length [mm]  | 10X 27  |
| Key                             | 3x3x25  |

### Speed

|                     |   |
|---------------------|---|
| Speed Maximum [m/s] | 2 |
|---------------------|---|

### Forces and Torques

|                             |     |
|-----------------------------|-----|
| No Load Torque [Nm]         | 0.3 |
| Tensile force 0.2 sec [N]   | 480 |
| Tensile force permanent [N] | 390 |
| Fx dynamic [N]              | 350 |
| Fy dynamic [N]              | 315 |
| Fz dynamic [N]              | 450 |
| Mx dynamic [Nm]             | 18  |
| My dynamic [Nm]             | 40  |
| Mz dynamic [Nm]             | 30  |
| Fx static [N]               | 390 |
| Fy static [N]               | 350 |
| Fz static [N]               | 500 |

|   |        |
|---|--------|
| Mx static [Nm]  | 20     |
| My static [Nm]  | 44     |
| Mz static [Nm]  | 33     |
| <b>Geometrical moments of inertia of aluminum profile</b> |        |
| Elastic modulus [N/mm <sup>2</sup> ]                      | 70000  |
| Ix [mm <sup>4</sup> ]                                     | 140000 |
| Iy [mm <sup>4</sup> ]                                     | 147000 |
| <b>Weight</b>   |        |
| Additional Weight per 100 mm [kg]                         | 0.22   |
| Basic Weight [kg]   | 1.74   |