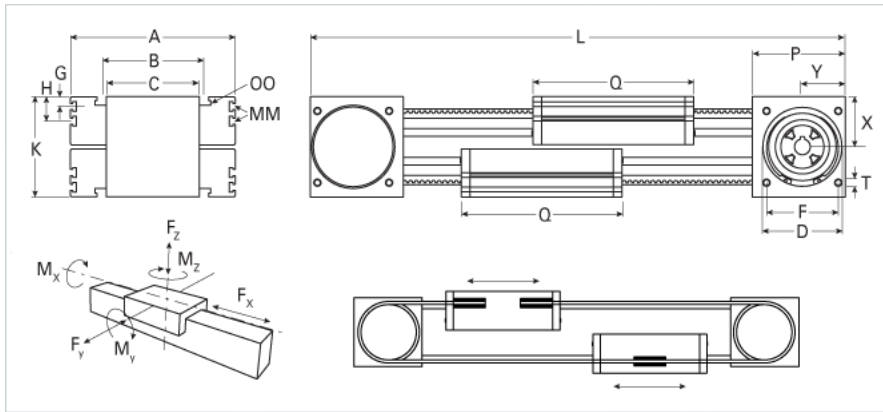
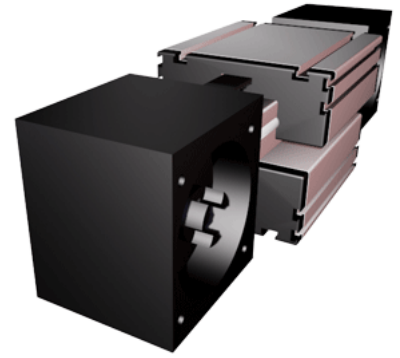


## ELZG 80

Call 800-321-7800 or visit us online at [www.nookindustries.com](http://www.nookindustries.com) to configure and order your ELZG 80 today!



### Details

|                     |       |
|---------------------|-------|
| Size                | 80    |
| Belt                | 8M30  |
| mm/Rev              | 320   |
| Number of Teeth     | 40    |
| Pully Diameter [mm] | 101.9 |

### Dimensions

|                                |         |
|--------------------------------|---------|
| Basic Length L [mm]            | 460     |
| A [mm]                         | 170     |
| B [mm]                         | 117     |
| C [mm]                         | 118     |
| D [mm]                         | 110     |
| F [mm]                         | 100     |
| G [mm]                         | 10      |
| H [mm]                         | 30      |
| K [mm]                         | 140     |
| MM                             | M6      |
| OO                             | M10     |
| P [mm]                         | 130     |
| Q [mm]                         | 194     |
| T                              | M10     |
| X [mm]                         | 70      |
| Y [mm]                         | 60      |
| Shaft Diameter and Length [mm] | 22 x 45 |
| Key                            | 6x6x40  |

### Speed

|                     |   |
|---------------------|---|
| Speed Maximum [m/s] | 6 |
|---------------------|---|

### Forces and Torques

|                             |      |
|-----------------------------|------|
| No-load torque [Nm]         | 0.9  |
| Tensile force 0.2 sec [N]   | 2090 |
| Tensile force permanent [N] | 1900 |
| Fx dynamic [N]              | 1800 |
| Fy dynamic [N]              | 2000 |
| Fz dynamic [N]              | 1100 |
| Mx dynamic [Nm]             | 55   |
| My dynamic [Nm]             | 80   |
| Mz dynamic [Nm]             | 120  |
| Fx static [N]               | 1900 |
| Fy static [N]               | 3000 |
| Fz static [N]               | 1700 |
| Mx static [Nm]              | 90   |
| My static [Nm]              | 110  |
| Mz static [Nm]              | 150  |

### Geometrical moments of inertia of aluminum profile

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

### Weight

|                                   |      |
|-----------------------------------|------|
| Additional Weight per 100 mm [kg] | 1.15 |
| Basic Weight [kg]                 | 23.5 |