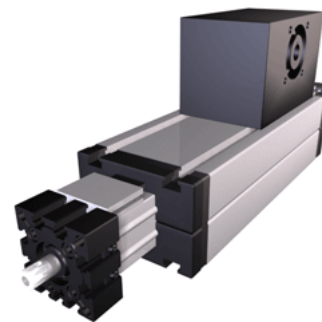
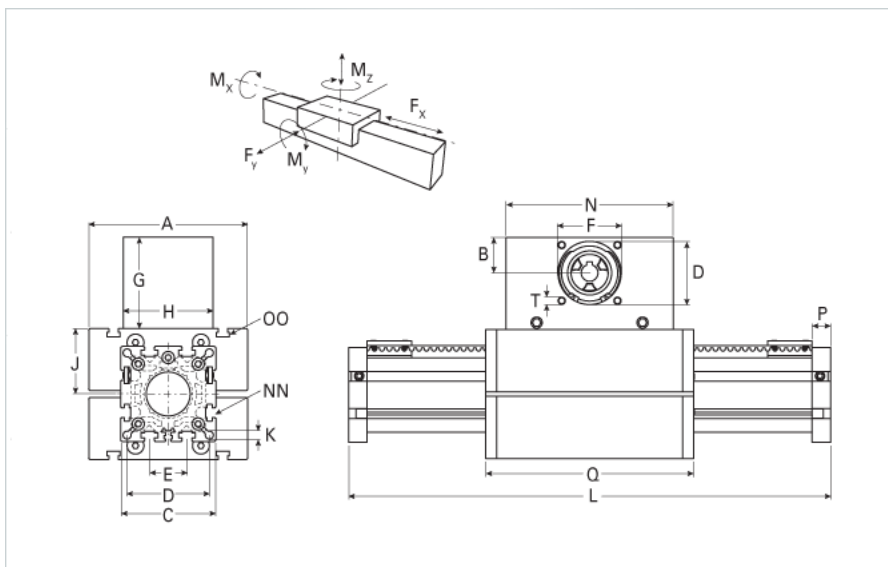


## ELSZ 60S WAC Wide Belt Extended Carriage

Call 800-321-7800 or visit us online at [www.nookindustries.com](http://www.nookindustries.com) to configure and order your ELSZ 60S WAC Wide Belt Extended Carriage today!



### Details

|                 |      |
|-----------------|------|
| Size            | 60S  |
| Belt            | 8M30 |
| mm/Rev          | 192  |
| Number of Teeth | 24   |

### Dimensions

|                                |         |
|--------------------------------|---------|
| Basic Length L [mm]            | 540     |
| A [mm]                         | 170     |
| B [mm]                         | 34      |
| C [mm]                         | 82      |
| D [mm]                         | 68      |
| E [mm]                         | 30      |
| F [mm]                         | 60      |
| G [mm]                         | 105     |
| H [mm]                         | 100     |
| I [mm]                         | -       |
| J [mm]                         | 53      |
| K [mm]                         | 8.5     |
| MM                             | -       |
| N [mm]                         | 180     |
| NN                             | M8      |
| O [mm]                         | 69      |
| OO                             | M8      |
| P [mm]                         | 16      |
| Q [mm]                         | 399     |
| T                              | M8      |
| V [mm]                         | -       |
| Shaft Diameter and Length [mm] | 18 x 45 |
| Key                            | 6x6x40  |

### Speed

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

### Forces and Torques

|                             |      |
|-----------------------------|------|
| No-load torque [Nm]         | 0.9  |
| Tensile force 0.2 sec [N]   | 290  |
| Tensile force permanent [N] | 1900 |
| Fx dynamic [N]              | 1800 |
| Fy dynamic [N]              | 3100 |
| Fz dynamic [N]              | 1600 |
| Mx dynamic [Nm]             | 65   |
| My dynamic [Nm]             | 140  |
| Mz dynamic [Nm]             | 170  |
| Fx static [N]               | 1700 |
| Fy static [N]               | 4100 |
| Fz static [N]               | 2160 |
| Mx static [Nm]              | 88   |
| My static [Nm]              | 190  |
| Mz static [Nm]              | 230  |

### Geometrical moments of inertia of aluminum profile

|                                        |          |
|----------------------------------------|----------|
| Elastic modulus [N/mm <sup>2</sup> ]   | 70000    |
| Ix [mm <sup>4</sup> ]                  | 679000   |
| Iy [mm <sup>4</sup> ]                  | 697000   |
| <b>Weight</b>                          |          |
| Additional Weight per 100 mm [kg]      | 0.62     |
| Basic Weight [kg]                      | 7.3      |
| <b>Values for Calculating Inertias</b> |          |
| Pulley Material - Drive Pulley (x1)    | Steel    |
| Pulley Material - Idler Pulleys (x2)   | Aluminum |
| Pulley Diameter [mm]                   | 61.1     |
| Effective Pulley Width [mm]            | 100      |
| Belt Weight [kg/m]                     | 0.123    |
| Standard Carriage Weight [kg]          | 9.52     |
| No-load torque [Nm]                    | 0.9      |
| Friction Coefficient                   | 0.01     |