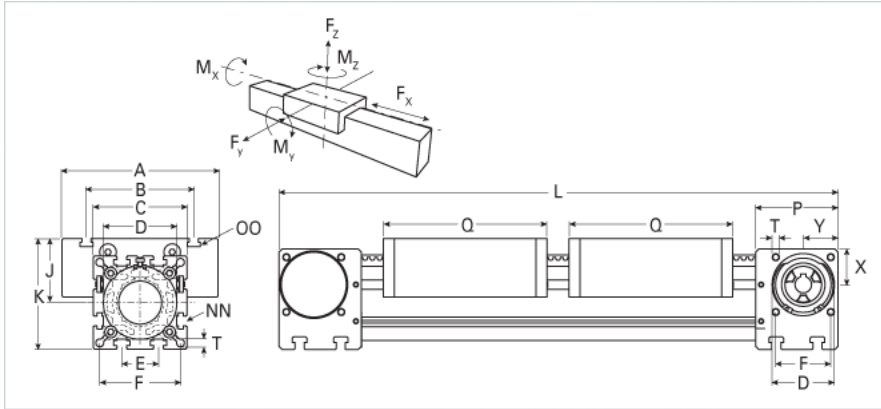


## ELVZ 60S Dual Carriage

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



| <b>Details</b>  |         |
|---|---------|
| Size  | 60S     |
| Belt  | 5M25    |
| mm/Rev  | 80      |
| Number of Teeth   | 16      |
| Pully Diameter [mm]                                       | 25.5    |
| <b>Dimensions</b>   |         |
| Basic Length L [mm]                                       | 510     |
| A [mm]  | 170     |
| B [mm]  | 108     |
| C [mm]  | 82      |
| D [mm]  | 62x1    |
| E [mm]  | 30      |
| F [mm]  | 69      |
| G [mm]  | -       |
| H [mm]  | -       |
| J [mm]  | 49      |
| K [mm]  | 94      |
| MM  | -       |
| NN  | M8      |
| OO  | M8      |
| P [mm]  | 59      |
| Q [mm]  | 194     |
| T [mm]  | 8.5     |
| U [mm]  | 23      |
| V [mm]  | 37      |
| W [mm]  | 14      |
| X [mm]  | 30      |
| Y [mm]  | 36      |
| Z   | M6      |
| Shaft Diameter and Length [mm]                            | 14 x 35 |
| Key   | 5x5x28  |
| <b>Speed</b>  |         |
| Speed Maximum [m/s]                                       | 4       |
| <b>Forces and Torques</b>                                 |         |
| No-load torque [Nm]                                       | 0.5     |
| Tensile force 0.2 sec [N]                                 | 800     |
| Tensile force permanent [N]                               | 700     |
| Fx dynamic [N]  | 580     |
| Fy dynamic [N]  | 3100    |
| Fz dynamic [N]  | 1600    |
| Mx dynamic [Nm]   | 65      |
| My dynamic [Nm]   | 140     |
| Mz dynamic [Nm]   | 170     |
| Fx static [N]   | 700     |
| Fy static [N]   | 4100    |
| Fz static [N]   | 2160    |
| Mx static [Nm]  | 88      |
| My static [Nm]  | 190     |
| Mz static [Nm]  | 230     |
| <b>Geometrical moments of inertia of aluminum profile</b> |         |
| Elastic modulus [N/mm <sup>2</sup> ]                      | 70000   |
| Ix [mm <sup>4</sup> ]                                     | 679000  |

|                                   |        |
|-----------------------------------|--------|
| ly [mm <sup>4</sup> ]             | 697000 |
| <b>Weight</b>                     |        |
| Additional Weight per 100 mm [kg] | 0.62   |
| Basic Weight [kg]                 | 8.5    |