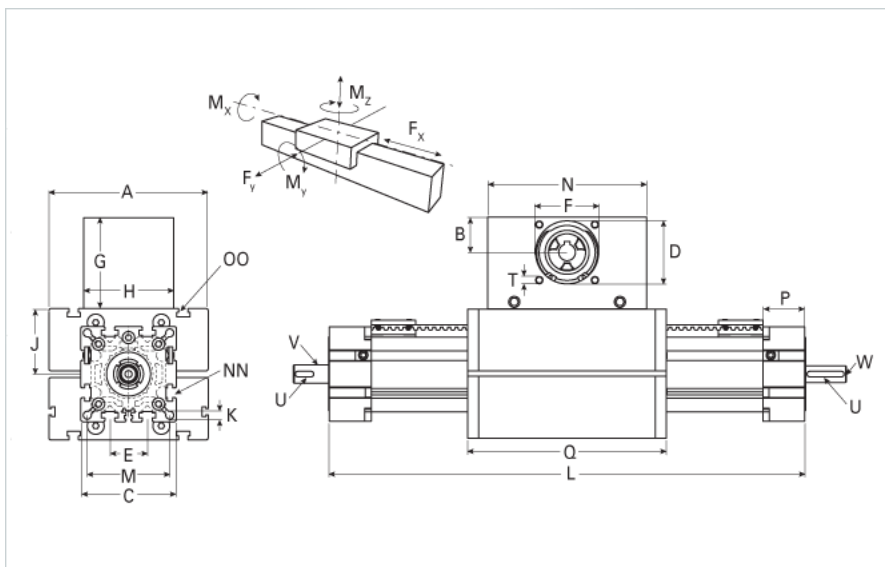
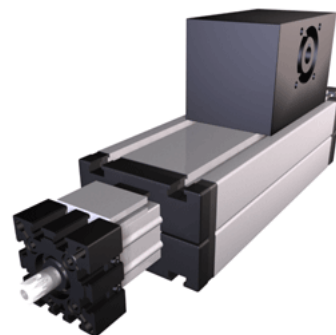


## ELSD 60S WAC Wide Belt Extended Carriage

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| Details                                |         |
|--|---------|
| Size                                   | 60S     |
| Belt                                   | 8M30    |
| mm/Rev                                 | 192     |
| Number of Teeth                        | 24      |
| Pully Diameter [mm]                    | 61.1    |
| Dimensions                             |         |
| Basic Length L [mm]                    | 515     |
| A [mm]                                 | 170     |
| B [mm]                                 | 39      |
| 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     |
| M [mm]                                 | 69      |
| MM                                     | -       |
| N [mm]                                 | 180     |
| OO                                     | M8      |
| P [mm]                                 | 35      |
| Q [mm]                                 | 399     |
| T                                      | M8      |
| X [mm]                                 | -       |
| V (Z Drive End) [mm]                   | 14 x 25 |
| U (Z Drive End) [mm]                   | 5x5x20  |
| V (Z Load End) [mm]                    | 17 x 25 |
| U (Z Load End) [mm]                    | 5x5x20  |
| W (Z Load End) [mm]                    | M8x20   |
| Shaft Diameter and Length [mm]         | 14 x 35 |
| Key                                    | 5x5x28  |
| Speed                                  |         |
| Speed Maximum [m/s]                    | 7       |
| Forces and Torques                     |         |
| No-load torque Stiction torque Mr [Nm] | 0.1     |
| No-load torque [Nm]                    | 0.9     |
| Tensile force 0.2 sec [N]              | 2090    |
| Tensile force permanent [N]            | 1900    |
| Fd [N]                                 | 150     |
| Mr [Nm]                                | 10      |
| 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]   | 1900   |
| 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 |
| Iy [mm <sup>4</sup> ]                                     | 697000 |
| <b>Weight</b>   |        |
| Additional Weight per 100 mm [kg]                         | 0.87   |
| Basic Weight [kg]   | 7.5    |