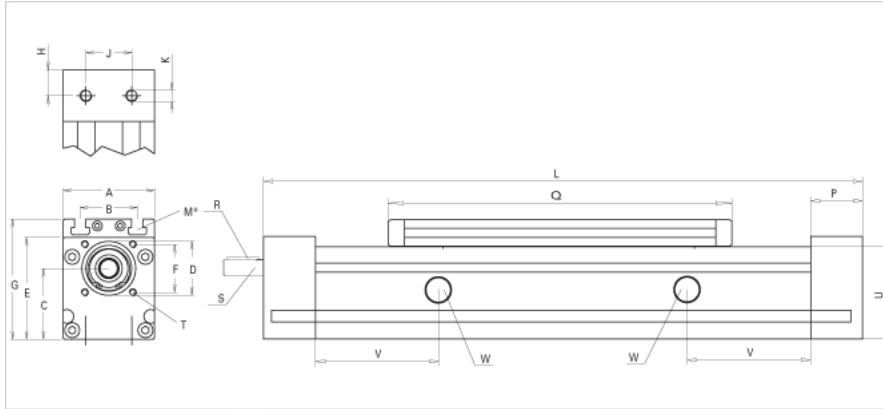
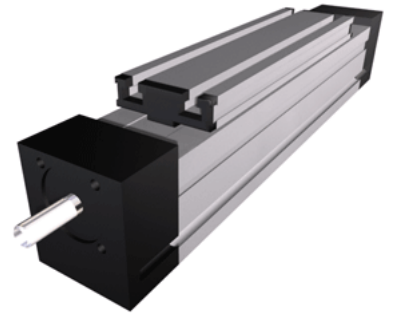


## QST 100 Extended Carriage

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| <b>Details</b>  |             |
|---|-------------|
| Size  | 100         |
| Screw Options   | 32x6/32x12  |
| Screw Type  | Trapexoidal |
| <b>Dimensions</b>   |             |
| Basic Length L [mm]                                       | 510         |
| A [mm]  | 100         |
| B [mm]  | 66          |
| C [mm]  | 75          |
| D [mm]  | 68          |
| E [mm]  | 112         |
| F [mm]  | 60          |
| G [mm]  | 129         |
| H [mm]  | 28.5        |
| J [mm]  | 50          |
| K   | M10         |
| M   | M10         |
| P [mm]  | 57          |
| Q [mm]  | 383         |
| Shaft R Key [mm]  | 6x6x40      |
| Shaft S Diameter x Length [mm]                            | 22h6x45     |
| T   | M8          |
| U [mm]  | 100         |
| <b>Forces and Torques</b>                                 |             |
| F <sub>x</sub> [N] 10000 km                               | 4000        |
| F <sub>y</sub> [N] 10000 km                               | 2910        |
| F <sub>z</sub> [N] 10000 km                               | 7360        |
| M <sub>x</sub> [Nm] 10000 km                              | 101         |
| M <sub>y</sub> [Nm] 10000 km                              | 597         |
| M <sub>z</sub> [Nm] 10000 km                              | 532         |
| F <sub>x</sub> [N] 5000 km                                | 5000        |
| F <sub>y</sub> [N] 5000 km                                | 4082        |
| F <sub>z</sub> [N] 5000 km                                | 10300       |
| M <sub>x</sub> [Nm] 5000 km                               | 142         |
| M <sub>y</sub> [Nm] 5000 km                               | 838         |
| M <sub>z</sub> [Nm] 5000 km                               | 745         |
| <b>Geometrical moments of inertia of aluminum profile</b> |             |
| Elastic modulus [N/mm <sup>2</sup> ]                      | 70000       |
| I <sub>x</sub> [mm <sup>4</sup> ]                         | 4300000     |
| I <sub>y</sub> [mm <sup>4</sup> ]                         | 4880000     |
| <b>Weight</b>   |             |
| Weight Per 100 mm [kg]                                    | 1.3         |
| Basic Weight [kg]   | 14.8        |