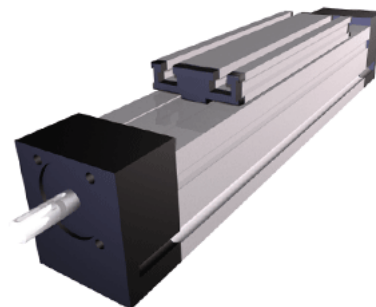
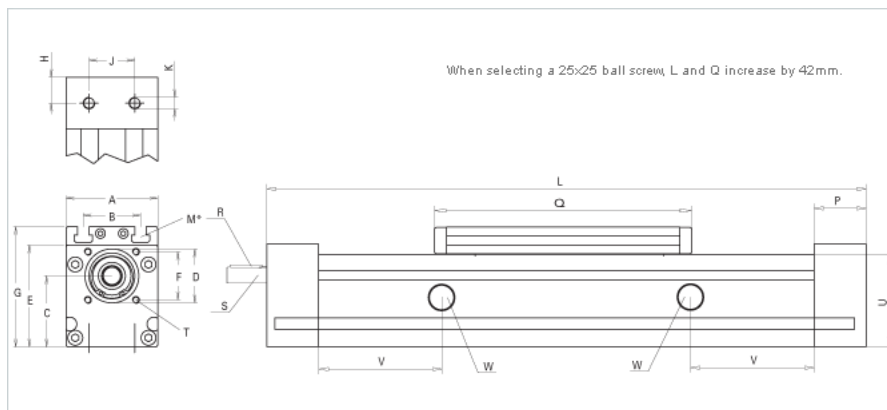


## QSK 80

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| <b>Details</b>  |                        |
|---|------------------------|
| Size  | 80                     |
| Screw Options   | 25x5/20x20/25x10/25x25 |
| Screw Type  | Ball Screw             |
| <b>Dimensions</b>   |                        |
| Basic Length L [mm]                                       | 350                    |
| A [mm]  | 80                     |
| B [mm]  | 50                     |
| C [mm]  | 62                     |
| D [mm]  | 47                     |
| E [mm]  | 89                     |
| F [mm]  | 42                     |
| G [mm]  | 106                    |
| H [mm]  | 22.5                   |
| J [mm]  | 40                     |
| K   | M10                    |
| M   | M8                     |
| P [mm]  | 45                     |
| Q [mm]  | 250                    |
| Shaft R Key [mm]  | 5x5x28                 |
| Shaft S Diameter x Length [mm]                            | 14h6x35                |
| T   | M6                     |
| U [mm]  | 80                     |
| <b>Forces and Torques</b>                                 |                        |
| Fx [N] 10000 km   | 2000                   |
| Fy [N] 10000 km   | 2542                   |
| Fz [N] 10000 km   | 6050                   |
| Mx [Nm] 10000 km  | 76                     |
| My [Nm] 10000 km  | 430                    |
| Mz [Nm] 10000 km  | 392                    |
| Fx [N] 5000 km  | 2500                   |
| Fy [N] 5000 km  | 3570                   |
| Fz [N] 5000 km  | 8500                   |
| Mx [Nm] 5000 km   | 107                    |
| My [Nm] 5000 km   | 604                    |
| Mz [Nm] 5000 km   | 550                    |
| <b>Geometrical moments of inertia of aluminum profile</b> |                        |
| Elastic modulus [N/mm <sup>2</sup> ]                      | 70000                  |
| Ix [mm <sup>4</sup> ]                                     | 1400000                |
| Iy [mm <sup>4</sup> ]                                     | 1660000                |
| <b>Weight</b>   |                        |
| Weight Per 100 mm [kg]                                    | 0.9                    |
| Basic Weight [kg]   | 7.5                    |
| <b>Motor Details</b>                                      |                        |
| Weight Per 100 mm [kg]                                    | 0.9                    |
| <b>Weight</b>   |                        |
| Basic Weight [kg]   | 14.8                   |