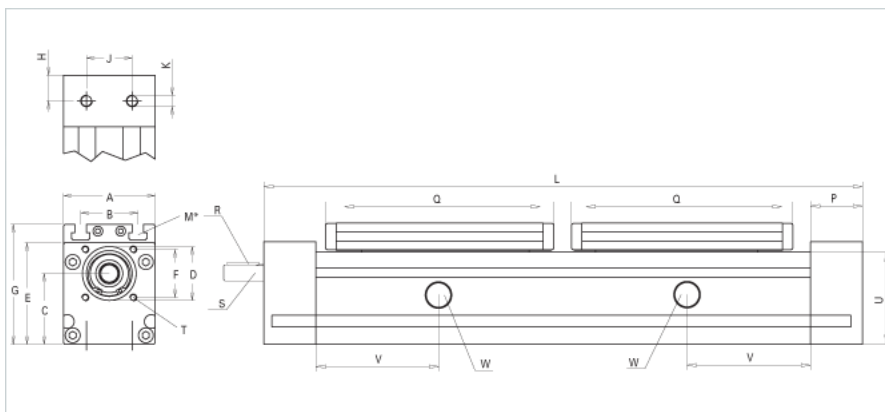


## QSK 80 Dual Carriage Extended Carriage

Call 800-321-7800 or visit us online at [www.nookindustries.com](http://www.nookindustries.com) to configure and order your QSK 80 Dual Carriage Extended Carriage today!



### Details

|               |                        |
|---------------|------------------------|
| Size          | 80                     |
| Screw Options | 25x5/20x20/25x10/25x25 |
| Screw Type    | Ball Screw             |

### Dimensions

|  |         |
|--|---------|
| Basic Length L with Divided Screw [mm]   | 810     |
| Basic Length L with Twin Lead Screw [mm] | 770     |
| 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]                                   | 336     |
| Shaft R Key [mm]                         | 5x5x28  |
| Shaft S Diameter x Length [mm]           | 14h6x35 |
| T  | M6      |
| U [mm]                                   | 80      |

### Forces and Torques

|                  |      |
|------------------|------|
| 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  |

### Geometrical moments of inertia of aluminum profile

|                                      |         |
|--------------------------------------|---------|
| Elastic modulus [N/mm <sup>2</sup> ] | 70000   |
| Ix [mm <sup>4</sup> ]                | 1400000 |
| Iy [mm <sup>4</sup> ]                | 1660000 |

### Weight

|                                   |     |
|-----------------------------------|-----|
| Additional Weight per 100 mm [kg] | 0.9 |
| Basic Weight [kg] [.0]            | 9.8 |