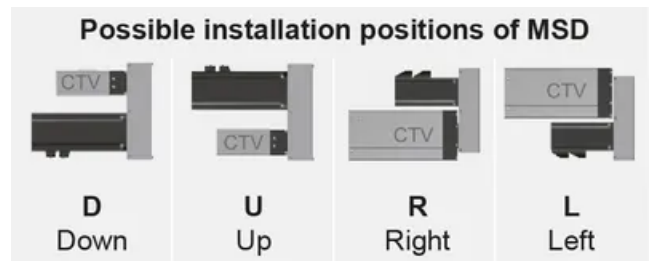
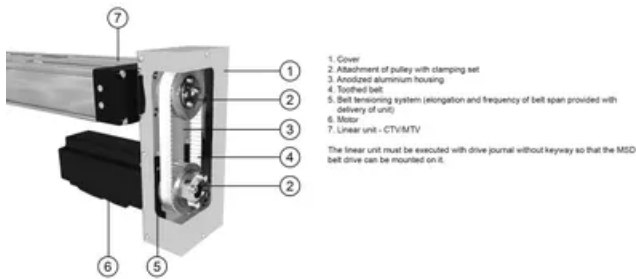


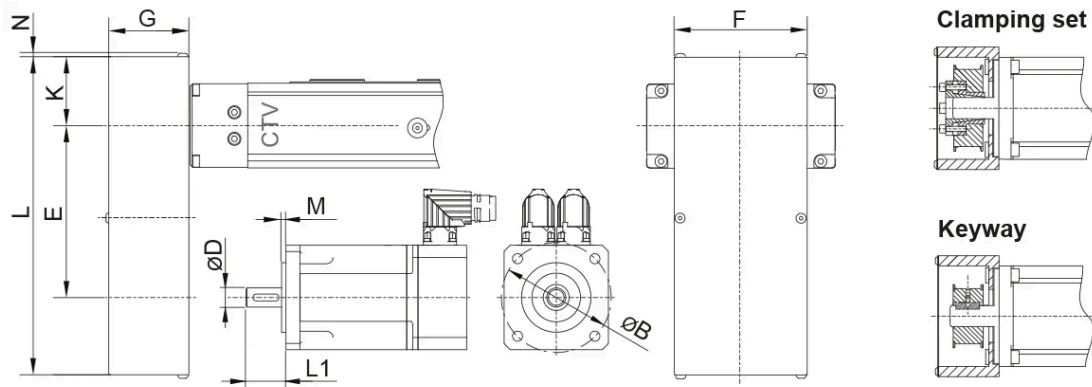
## Motor Side Drive - MSD

The linear unit must be executed with drive journal without keyway so that the MSD belt drive can be mounted on it.

Dimensions in mm.



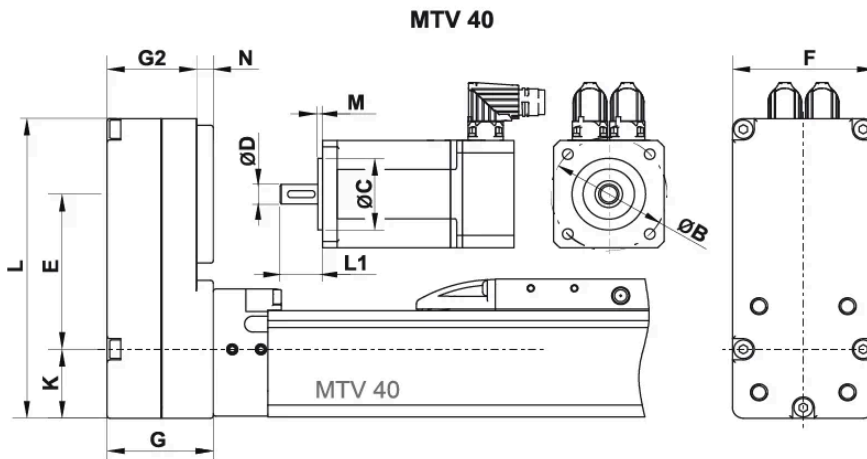
## General Data



(Max. drive speed: 3000 1/min; No load torque: approx. 0,5 Nm)

\* For a bigger value an additional adapter plate is used.

\*\* This is the load which is linearly dependent on the max. drive torque and is generated by the correct pretension of the belt.  
This load needs to be reduced in accordance with the capabilities of the motor.



| Designation        | Max. Drive Torque<br>(Linear Unit) (Nm) | Max. Radial Load<br>on Shaft (N) | Mass Moment of<br>Inertia (10 <sup>-6</sup> kg m <sup>2</sup> ) | Mass (kg) | ØB max. |
|--------------------|---|----------------------------------|---|-----------|---------|
| MSD-MTV 40-T1-1    | 1.3                                     | 60                               | 4.6   | 0.5       | 60      |
| MSD-MTV 40-T1-1,5  | 1.3                                     | 60                               | 5.4   | 0.5       | 60      |
| MSD-MTV 40-T2-1    | 3                                       | 80                               | 45  | 0.8       | 80      |
| MSD-MTV 40-T2-1,5  | 3                                       | 80                               | 31  | 0.7       | 80      |
| MSD-CTV 90-T1-1    | 2.7                                     | 90                               | 75  | 0.8       | 70      |
| MSD-CTV 90-T1-1,5  | 2.7                                     | 90                               | 45  | 0.7       | 70      |
| MSD-CTV 110-T1-1   | 5                                       | 175                              | 70  | 0.8       | 70      |
| MSD-CTV 110-T1-1,5 | 5                                       | 175                              | 45  | 0.8       | 70      |
| MSD-MTV 65-T1-1    | 5                                       | 175                              | 70  | 0.8       | 70      |
| MSD-MTV 65-T1-1,5  | 5                                       | 175                              | 45  | 0.8       | 70      |
| MSD-CTV 110-T2-1   | 9                                       | 245                              | 210   | 1.5       | 100     |
| MSD-CTV 110-T2-1,5 | 11                                      | 235                              | 330   | 1.5       | 100     |
| MSD-MTV 65-T2-1    | 9                                       | 245                              | 210   | 1.5       | 100     |
| MSD-MTV 65-T2-1,5  | 11                                      | 235                              | 330   | 1.5       | 100     |
| MSD-CTV 145-T1-1   | 13                                      | 350                              | 210   | 1.5       | 100     |
| MSD-CTV 145-T1-1,5 | 19                                      | 410                              | 330   | 1.6       | 100     |
| MSD-MTV 80-T1-1    | 13                                      | 350                              | 210   | 1.5       | 100     |
| MSD-MTV 80-T1-1,5  | 19                                      | 410                              | 330   | 1.6       | 100     |
| MSD-CTV 145-T2-1   | 19                                      | 410                              | 550   | 3.0       | 130     |
| MSD-CTV 145-T2-2   | 24                                      | 375                              | 860   | 2.9       | 130     |
| MSD-MTV 80-T2-1    | 19                                      | 410                              | 550   | 3.0       | 130     |
| MSD-MTV 80-T2-2    | 24                                      | 375                              | 860   | 2.9       | 130     |
| MSD-CTV 200-T1-1   | 25                                      | 500                              | 640   | 3.8       | 130     |
| MSD-CTV 200-T1-2   | 25                                      | 400                              | 960   | 3.6       | 130     |
| MSD-MTV 110-T1-1   | 25                                      | 500                              | 640   | 3.8       | 130     |
| MSD-MTV 110-T1-2   | 25                                      | 400                              | 960   | 3.6       | 130     |

| Designation     | ØC max. | M max. | Motor size<br>limits - L1 -min.<br>keyway | Motor size<br>limits -L1- max. | ØD Max.<br>Clamping set | ØD Max. Keyway |
|-----------------|---------|--------|---|--------------------------------|-------------------------|----------------|
| MSD-MTV 40-T1-1 | 36      | 4      | 20  | 32                             | 8                       | 12             |

## General Data

| Designation        | ØC max. | M max. | Motor size limits - L1 -min. keyway | Motor size limits -L1- max. | ØD Max. Clamping set | ØD Max. Keyway |
|--------------------|---------|--------|-------------------------------------|-----------------------------|----------------------|----------------|
| MSD-MTV 40-T1-1,5  | 36      | 4      | 20                                  | 32                          | 8                    | –              |
| MSD-MTV 40-T2-1    | 52      | 4      | 25                                  | 39                          | 19                   | –              |
| MSD-MTV 40-T2-1,5  | 52      | 4      | 25                                  | 39                          | 10                   | 14             |
| MSD-CTV 90-T1-1    | –       | 4      | 25                                  | 39                          | 19                   | –              |
| MSD-CTV 90-T1-1,5  | –       | 4      | 25                                  | 39                          | 10                   | 14             |
| MSD-CTV 110-T1-1   | –       | 4      | 25                                  | 39                          | 19                   | –              |
| MSD-CTV 110-T1-1,5 | –       | 4      | 25                                  | 39                          | 10                   | 14             |
| MSD-MTV 65-T1-1    | –       | 4      | 25                                  | 39                          | 19                   | –              |
| MSD-MTV 65-T1-1,5  | –       | 4      | 25                                  | 39                          | 10                   | 14             |
| MSD-CTV 110-T2-1   | –       | 4      | 30                                  | 49                          | 22                   | –              |
| MSD-CTV 110-T2-1,5 | –       | 4      | 30                                  | 49                          | 19                   | 28             |
| MSD-MTV 65-T2-1    | –       | 4      | 30                                  | 49                          | 22                   | –              |
| MSD-MTV 65-T2-1,5  | –       | 4      | 30                                  | 49                          | 19                   | 28             |
| MSD-CTV 145-T1-1   | –       | 4      | 30                                  | 49                          | 22                   | –              |
| MSD-CTV 145-T1-1,5 | –       | 4      | 30                                  | 49                          | 19                   | 28             |
| MSD-MTV 80-T1-1    | –       | 4      | 30                                  | 49                          | 22                   | –              |
| MSD-MTV 80-T1-1,5  | –       | 4      | 30                                  | 49                          | 19                   | 28             |
| MSD-CTV 145-T2-1   | –       | 4      | 35                                  | 59                          | 35                   | –              |
| MSD-CTV 145-T2-2   | –       | 4      | 35                                  | 59                          | 19                   | 28             |
| MSD-MTV 80-T2-1    | –       | 4      | 35                                  | 59                          | 35                   | –              |
| MSD-MTV 80-T2-2    | –       | 4      | 35                                  | 59                          | 19                   | 28             |
| MSD-CTV 200-T1-1   | –       | 4      | 35                                  | 59                          | 35                   | –              |
| MSD-CTV 200-T1-2   | –       | 4      | 35                                  | 59                          | 19                   | 28             |
| MSD-MTV 110-T1-1   | –       | 4      | 35                                  | 59                          | 35                   | –              |
| MSD-MTV 110-T1-2   | –       | 4      | 35                                  | 59                          | 19                   | 28             |

| Designation       | E    | F  | G  | G2 | K  | L   |
|-------------------|------|----|----|----|----|-----|
| MSD-MTV 40-T1-1   | 58.5 | 52 | 39 | 33 | 26 | 113 |
| MSD-MTV 40-T1-1,5 | 59   | 52 | 39 | 33 | 26 | 113 |
| MSD-MTV 40-T2-1   | 65   | 68 | 42 | 36 | 31 | 135 |
| MSD-MTV 40-T2-1,5 | 64.5 | 68 | 42 | 36 | 31 | 135 |

## General Data

| Designation        | E   | F   | G  | G2 | K  | L   |
|--------------------|-----|-----|----|----|----|-----|
| MSD-CTV 90-T1-1    | 100 | 70  | 41 | –  | 31 | 179 |
| MSD-CTV 90-T1-1,5  | 102 | 70  | 41 | –  | 31 | 179 |
| MSD-CTV 110-T1-1   | 100 | 70  | 41 | –  | 31 | 179 |
| MSD-CTV 110-T1-1,5 | 112 | 70  | 41 | –  | 31 | 190 |
| MSD-MTV 65-T1-1    | 100 | 70  | 41 | –  | 31 | 179 |
| MSD-MTV 65-T1-1,5  | 112 | 70  | 41 | –  | 31 | 190 |
| MSD-CTV 110-T2-1   | 145 | 90  | 51 | –  | 43 | 250 |
| MSD-CTV 110-T2-1,5 | 139 | 90  | 51 | –  | 43 | 250 |
| MSD-MTV 65-T2-1    | 145 | 90  | 51 | –  | 43 | 250 |
| MSD-MTV 65-T2-1,5  | 139 | 90  | 51 | –  | 43 | 250 |
| MSD-CTV 145-T1-1   | 145 | 90  | 51 | –  | 43 | 250 |
| MSD-CTV 145-T1-1,5 | 180 | 90  | 51 | –  | 43 | 282 |
| MSD-MTV 80-T1-1    | 145 | 90  | 51 | –  | 43 | 250 |
| MSD-MTV 80-T1-1,5  | 180 | 90  | 51 | –  | 43 | 282 |
| MSD-CTV 145-T2-1   | 160 | 120 | 61 | –  | 56 | 297 |
| MSD-CTV 145-T2-2   | 158 | 120 | 61 | –  | 56 | 297 |
| MSD-MTV 80-T2-1    | 160 | 120 | 61 | –  | 56 | 297 |
| MSD-MTV 80-T2-2    | 158 | 120 | 61 | –  | 56 | 297 |
| MSD-CTV 200-T1-1   | 268 | 120 | 61 | –  | 56 | 403 |
| MSD-CTV 200-T1-2   | 267 | 120 | 61 | –  | 56 | 403 |
| MSD-MTV 110-T1-1   | 268 | 120 | 61 | –  | 56 | 403 |
| MSD-MTV 110-T1-2   | 267 | 120 | 61 | –  | 56 | 403 |

| Designation       | N |
|-------------------|---|
| MSD-MTV 40-T1-1   | 6 |
| MSD-MTV 40-T1-1,5 | 6 |
| MSD-MTV 40-T2-1   | 8 |
| MSD-MTV 40-T2-1,5 | 8 |
| MSD-CTV 90-T1-1   | 2 |
| MSD-CTV 90-T1-1,5 | 2 |
| MSD-CTV 110-T1-1  | 2 |

## General Data

| Designation        | N   |
|--------------------|-----|
| MSD-CTV 110-T1-1,5 | 2   |
| MSD-MTV 65-T1-1    | 2   |
| MSD-MTV 65-T1-1,5  | 2   |
| MSD-CTV 110-T2-1   | 2   |
| MSD-CTV 110-T2-1,5 | 2   |
| MSD-MTV 65-T2-1    | 2   |
| MSD-MTV 65-T2-1,5  | 2   |
| MSD-CTV 145-T1-1   | 2   |
| MSD-CTV 145-T1-1,5 | 2   |
| MSD-MTV 80-T1-1    | 2   |
| MSD-MTV 80-T1-1,5  | 2   |
| MSD-CTV 145-T2-1   | 2.5 |
| MSD-CTV 145-T2-2   | 2.5 |
| MSD-MTV 80-T2-1    | 2.5 |
| MSD-MTV 80-T2-2    | 2.5 |
| MSD-CTV 200-T1-1   | 2.5 |
| MSD-CTV 200-T1-2   | 2.5 |
| MSD-MTV 110-T1-1   | 2.5 |
| MSD-MTV 110-T1-2   | 2.5 |