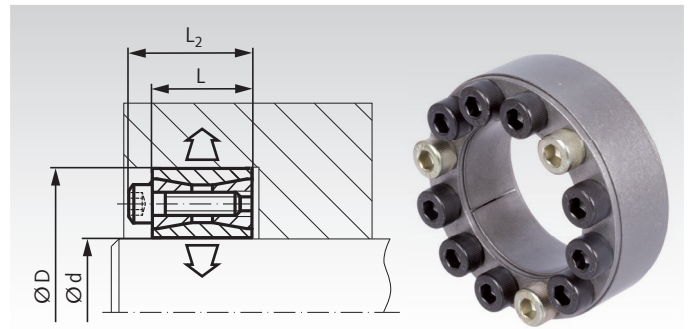


## Locking Assemblies COM-A

Material: Steel.

- For fixing a hub (e.g. V-belt pulley or similar) on a shaft.
- For medium high torques.
- Not self-centering.
- Self-releasing at dismounting.
- No axial movement during mounting.



Ordering Details: e.g.: Product No. 615 514 00, Locking Assembly COM-A, 14 mm

| Product No. | d<br>mm | D<br>mm | L<br>mm | L <sub>2</sub><br>mm | T<br>Nm | F <sub>ax</sub><br>kN | P <sub>w</sub><br>N/mm <sup>2</sup> | P <sub>N</sub><br>N/mm <sup>2</sup> | Screw 12.9<br>Number x Size | T <sub>A</sub><br>Nm | Weight<br>kg |
|-------------|---------|---------|---------|----------------------|---------|-----------------------|-------------------------------------|-------------------------------------|-----------------------------|----------------------|--------------|
| 615 514 00  | 14      | 42      | 20      | 26                   | 180     | 26                    | 291                                 | 97                                  | 8 x M6                      | 15                   | 0,18         |
| 615 515 00  | 15      | 42      | 20      | 26                   | 200     | 27                    | 282                                 | 101                                 | 8 x M6                      | 15                   | 0,18         |
| 615 516 00  | 16      | 44      | 20      | 26                   | 205     | 26                    | 251                                 | 99                                  | 8 x M6                      | 15                   | 0,18         |
| 615 517 00  | 17      | 44      | 20      | 26                   | 220     | 26                    | 240                                 | 93                                  | 8 x M6                      | 15                   | 0,18         |
| 615 518 00  | 18      | 47      | 20      | 26                   | 230     | 25                    | 195                                 | 82                                  | 8 x M6                      | 15                   | 0,22         |
| 615 519 00  | 19      | 47      | 20      | 26                   | 270     | 28                    | 221                                 | 93                                  | 8 x M6                      | 15                   | 0,22         |
| 615 520 00  | 20      | 47      | 20      | 26                   | 290     | 28                    | 232                                 | 98                                  | 8 x M6                      | 15                   | 0,22         |
| 615 522 00  | 22      | 47      | 20      | 26                   | 290     | 30                    | 200                                 | 90                                  | 8 x M6                      | 15                   | 0,21         |
| 615 524 00  | 24      | 50      | 20      | 26                   | 380     | 32                    | 216                                 | 103                                 | 8 x M6                      | 15                   | 0,21         |
| 615 525 00  | 25      | 50      | 20      | 26                   | 400     | 33                    | 200                                 | 100                                 | 8 x M6                      | 15                   | 0,23         |
| 615 528 00  | 28      | 55      | 20      | 26                   | 520     | 36                    | 208                                 | 104                                 | 10 x M6                     | 15                   | 0,27         |
| 615 530 00  | 30      | 55      | 20      | 26                   | 520     | 37                    | 183                                 | 99                                  | 10 x M6                     | 15                   | 0,26         |
| 615 532 00  | 32      | 60      | 20      | 26                   | 690     | 43                    | 209                                 | 112                                 | 12 x M6                     | 15                   | 0,28         |
| 615 535 00  | 35      | 60      | 20      | 26                   | 770     | 44                    | 196                                 | 113                                 | 12 x M6                     | 15                   | 0,30         |
| 615 538 00  | 38      | 65      | 20      | 26                   | 940     | 49                    | 202                                 | 116                                 | 14 x M6                     | 15                   | 0,33         |
| 615 540 00  | 40      | 65      | 20      | 26                   | 980     | 49                    | 190                                 | 115                                 | 14 x M6                     | 15                   | 0,32         |
| 615 542 00  | 42      | 75      | 24      | 32                   | 1560    | 74                    | 233                                 | 129                                 | 12 x M8                     | 37                   | 0,57         |
| 615 545 00  | 45      | 75      | 24      | 32                   | 1700    | 74                    | 216                                 | 127                                 | 12 x M8                     | 37                   | 0,55         |
| 615 548 00  | 48      | 80      | 24      | 32                   | 1830    | 74                    | 214                                 | 122                                 | 12 x M8                     | 37                   | 0,60         |
| 615 550 00  | 50      | 80      | 24      | 32                   | 1830    | 75                    | 196                                 | 118                                 | 12 x M8                     | 37                   | 0,56         |
| 615 555 00  | 55      | 85      | 24      | 32                   | 2490    | 89                    | 218                                 | 140                                 | 14 x M8                     | 37                   | 0,65         |
| 615 560 00  | 60      | 90      | 24      | 32                   | 2640    | 92                    | 192                                 | 126                                 | 14 x M8                     | 37                   | 0,66         |
| 615 565 00  | 65      | 95      | 24      | 32                   | 3240    | 99                    | 202                                 | 136                                 | 16 x M8                     | 37                   | 0,72         |
| 615 570 00  | 70      | 110     | 28      | 38                   | 4700    | 124                   | 218                                 | 135                                 | 14 x M10                    | 70                   | 1,27         |
| 615 575 00  | 75      | 115     | 28      | 38                   | 4800    | 135                   | 185                                 | 119                                 | 14 x M10                    | 70                   | 1,33         |
| 615 580 00  | 80      | 120     | 28      | 38                   | 5400    | 137                   | 185                                 | 124                                 | 14 x M10                    | 70                   | 1,35         |
| 615 585 00  | 85      | 125     | 28      | 38                   | 6300    | 146                   | 195                                 | 130                                 | 16 x M10                    | 70                   | 1,45         |
| 615 590 00  | 90      | 130     | 28      | 38                   | 6500    | 148                   | 178                                 | 124                                 | 16 x M10                    | 70                   | 1,55         |
| 615 595 00  | 95      | 135     | 28      | 38                   | 7800    | 165                   | 193                                 | 134                                 | 18 x M10                    | 70                   | 1,65         |
| 615 600 00  | 100     | 145     | 33      | 45                   | 9560    | 187                   | 195                                 | 135                                 | 14 x M12                    | 127                  | 2,20         |

More sizes up to d=1,000mm for 1,980,000Nm are available.

Price and delivery time on request.

T = transmittable torque at F<sub>ax</sub> = 0.

F<sub>ax</sub> = transmittable axial force at T = 0.

P<sub>w</sub> = surface pressure onto the shaft.

P<sub>N</sub> = surface pressure onto the hub.

T<sub>A</sub> = fastening torque of the screws.

### Fit

Shaft h8, Hub H8.

Surface roughness R<sub>z</sub> max. 12.5 µm.

### Mounting

Slightly oil the locking assembly before mounting, do not use molybdenum disulphide or grease. Tighten the screws evenly and crosswise in several steps.

### Demounting

Due to the cone angle, the locking assembly is usually released once all screws have been fully unfastened. There are three large auxiliary threads cut into the front ring, which serve to remove this ring.