

## Locknuts KMK and KMK-R with Integral Locking Device

**Material:** KMK: Steel.

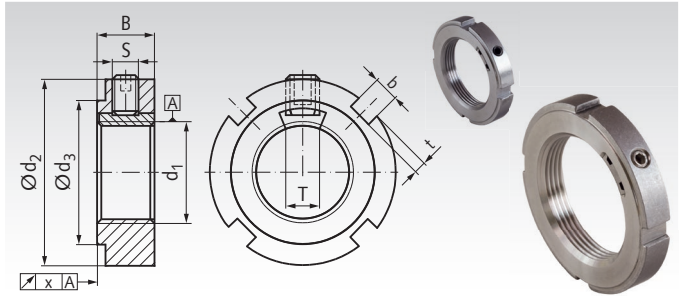
KMK-R: Stainless steel 1.4301 (AISI 304).



Strength min. 350 N/mm<sup>2</sup>.

Reusable shaft nut with integrated locking device.

Special feature of the shaft nut is the locking insert, integrated into the nut. This insert is threaded and thus does not cause any damage. The locking insert is pressed against the shaft thread with a locking screw and thus prevents the nut from turning.



Ordering Details: e.g.: Product No. 653 530 00, Shaft Nut KMK 0

| Product No.<br>KMK | Product No.<br>KMK-R | Type   | Thread<br>d <sub>1</sub><br>mm | d <sub>2</sub><br>mm | d <sub>3</sub><br>mm | B<br>mm | b<br>mm | t<br>mm | S<br>mm | T<br>mm | T <sub>AS</sub> <sup>1)</sup><br>Nm | T <sub>AS</sub> <sup>2)</sup><br>Nm | x<br>mm | Permissible<br>Axial Load<br>kN | Weight<br>g |
|--------------------|----------------------|--------|--------------------------------|----------------------|----------------------|---------|---------|---------|---------|---------|-------------------------------------|-------------------------------------|---------|---------------------------------|-------------|
| 653 530 00         | 653 985 30           | KMK 0  | M10 x 0,75                     | 20                   | 16                   | 9       | 3       | 2       | M5      | 4       | 4                                   | 2                                   | 0,02    | 9,8                             | 16          |
| 653 532 00         | 653 985 32           | KMK 1  | M12 x 1                        | 22                   | 18                   | 9       | 3       | 2       | M5      | 4       | 4                                   | 2                                   | 0,02    | 11,8                            | 18          |
| 653 534 00         | 653 985 34           | KMK 2  | M15 x 1                        | 25                   | 21                   | 9       | 4       | 2       | M5      | 4       | 4                                   | 2                                   | 0,02    | 14,6                            | 21          |
| 653 537 00         | 653 985 37           | KMK 3  | M17 x 1                        | 28                   | 24                   | 9       | 4       | 2       | M5      | 4       | 4                                   | 2                                   | 0,02    | 19,6                            | 27          |
| 653 540 00         | 653 985 40           | KMK 4  | M20 x 1                        | 32                   | 28                   | 9       | 4       | 2       | M5      | 4       | 4                                   | 2                                   | 0,02    | 24                              | 30          |
| 653 544 00         | 653 985 44           | KMK 5  | M25 x 1,5                      | 38                   | 34                   | 9       | 5       | 2       | M5      | 10      | 4                                   | 2                                   | 0,02    | 31,5                            | 30          |
| 653 548 00         | 653 985 48           | KMK 6  | M30 x 1,5                      | 45                   | 41                   | 9       | 5       | 2       | M5      | 10      | 4                                   | 2                                   | 0,02    | 36,5                            | 60          |
| 653 553 00         | 653 985 53           | KMK 7  | M35 x 1,5                      | 52                   | 48                   | 9       | 5       | 2       | M5      | 10      | 4                                   | 2                                   | 0,02    | 50                              | 70          |
| 653 558 00         | 653 985 58           | KMK 8  | M40 x 1,5                      | 58                   | 53                   | 11      | 6       | 2,5     | M6      | 12      | 6,7                                 | 3,3                                 | 0,02    | 62                              | 110         |
| 653 562 00         | 653 985 62           | KMK 9  | M45 x 1,5                      | 65                   | 60                   | 11      | 6       | 2,5     | M6      | 12      | 6,7                                 | 3,3                                 | 0,02    | 78                              | 140         |
| 653 565 00         | 653 985 65           | KMK 10 | M50 x 1,5                      | 70                   | 65                   | 15      | 6       | 2,5     | M6      | 12      | 6,7                                 | 3,3                                 | 0,025   | 91,5                            | 180         |
| 653 568 00         | 653 985 68           | KMK 11 | M55 x 2                        | 75                   | 69                   | 15      | 7       | 3       | M8      | 12      | 16                                  | 8                                   | 0,025   | 91,5                            | 190         |
| 653 571 00         | 653 985 71           | KMK 12 | M60 x 2                        | 80                   | 74                   | 15      | 7       | 3       | M8      | 12      | 16                                  | 8                                   | 0,025   | 95                              | 200         |
| 653 573 00         | -                    | KMK 14 | M70 x 2                        | 92                   | 85                   | 14      | 8       | 3,5     | M8      | 14      | 16                                  | -                                   | 0,025   | 118                             | 295         |
| 653 574 00         | -                    | KMK 15 | M75 x 2                        | 98                   | 91                   | 14      | 8       | 3,5     | M8      | 14      | 16                                  | -                                   | 0,025   | 134                             | 330         |
| 653 576 00         | -                    | KMK 17 | M85 x 2                        | 110                  | 103                  | 18      | 8       | 3,5     | M10     | 18      | 32                                  | -                                   | 0,025   | 190                             | 520         |

<sup>1)</sup> Fastening torque of locking screws at KMK.

<sup>2)</sup> Fastening torque of locking screws at KMK-R.

## Locknuts KMT and KMT-R with Locking Pins

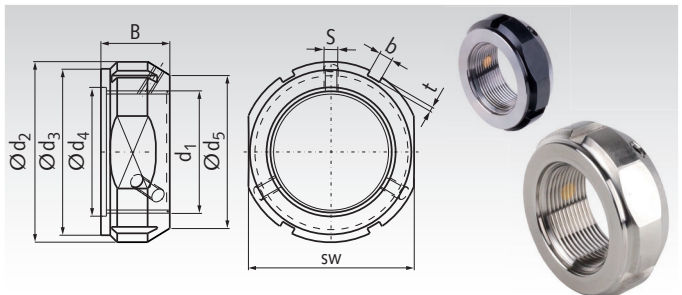
**Material:** KMT: Steel.

KMT-R: Stainless steel 1.4301 (AISI 304).



Strength min. 350 N/mm<sup>2</sup>.

Reusable shaft nut with integrated locking devices. Special features of the shaft nut are the locking inserts from brass. These inserts are threaded and thus does not cause any damage. The locking inserts are pressed against the shaft thread with locking screws. With the screws, the runout can also be adjusted up to 0.005 mm. Slotnut-design. Up to size 15 with two additional wrench flats.



Ordering Details: e.g.: Product No. 653 580 00, Shaft Nut KMT 0

| Product No.<br>KMT | Product No.<br>KMT-R | Type   | Thread<br>d <sub>1</sub><br>mm | d <sub>2</sub><br>mm | d <sub>3</sub><br>mm | d <sub>4</sub><br>mm | d <sub>5</sub><br>mm | B<br>mm | b<br>mm | t<br>mm | S<br>mm | T <sub>AS</sub> <sup>1)</sup><br>Nm | T <sub>AS</sub> <sup>2)</sup><br>Nm | sw<br>mm | F <sub>A</sub> <sup>3)</sup><br>kN | Weight<br>g |
|--------------------|----------------------|--------|--------------------------------|----------------------|----------------------|----------------------|----------------------|---------|---------|---------|---------|-------------------------------------|-------------------------------------|----------|------------------------------------|-------------|
| 653 580 00         | 653 980 00           | KMT 0  | M10 x 0,75                     | 28                   | 23                   | 11                   | 21                   | 14      | 4       | 2       | M5      | 4                                   | 2                                   | 24       | 35                                 | 45          |
| 653 580 01         | 653 980 01           | KMT 1  | M12 x 1                        | 30                   | 25                   | 13                   | 23                   | 14      | 4       | 2       | M5      | 4                                   | 2                                   | 27       | 40                                 | 50          |
| 653 580 02         | 653 980 02           | KMT 2  | M15 x 1                        | 33                   | 28                   | 16                   | 26                   | 16      | 4       | 2       | M5      | 4                                   | 2                                   | 30       | 60                                 | 75          |
| 653 580 03         | 653 980 03           | KMT 3  | M17 x 1                        | 37                   | 33                   | 18                   | 29                   | 18      | 5       | 2       | M6      | 6,7                                 | 3,3                                 | 34       | 80                                 | 100         |
| 653 580 04         | 653 980 04           | KMT 4  | M20 x 1                        | 40                   | 35                   | 21                   | 32                   | 18      | 5       | 2       | M6      | 6,7                                 | 3,3                                 | 36       | 90                                 | 110         |
| 653 580 05         | 653 980 05           | KMT 5  | M25 x 1,5                      | 44                   | 39                   | 26                   | 36                   | 20      | 5       | 2       | M6      | 6,7                                 | 3,3                                 | 41       | 130                                | 130         |
| 653 580 06         | 653 980 06           | KMT 6  | M30 x 1,5                      | 49                   | 44                   | 32                   | 41                   | 20      | 5       | 2       | M6      | 6,7                                 | 3,3                                 | 46       | 160                                | 160         |
| 653 580 07         | 653 980 07           | KMT 7  | M35 x 1,5                      | 54                   | 49                   | 38                   | 46                   | 22      | 5       | 2       | M6      | 6,7                                 | 3,3                                 | 50       | 190                                | 190         |
| 653 580 08         | 653 980 08           | KMT 8  | M40 x 1,5                      | 65                   | 59                   | 42                   | 54                   | 22      | 6       | 2,5     | M8      | 16                                  | 8                                   | 60       | 210                                | 300         |
| 653 580 09         | 653 980 09           | KMT 9  | M45 x 1,5                      | 70                   | 64                   | 48                   | 60                   | 22      | 6       | 2,5     | M8      | 16                                  | 8                                   | 65       | 240                                | 330         |
| 653 580 10         | 653 980 10           | KMT 10 | M50 x 1,5                      | 75                   | 68                   | 52                   | 64                   | 25      | 7       | 3       | M8      | 16                                  | 8                                   | 70       | 300                                | 400         |
| 653 580 11         | -                    | KMT 11 | M55 x 2                        | 85                   | 78                   | 58                   | 74                   | 25      | 7       | 3       | M8      | 16                                  | -                                   | 80       | 340                                | 540         |
| 653 580 12         | -                    | KMT 12 | M60 x 2                        | 90                   | 82                   | 62                   | 78                   | 26      | 8       | 3,5     | M8      | 16                                  | -                                   | 85       | 380                                | 610         |
| 653 580 13         | -                    | KMT 13 | M65 x 2                        | 95                   | 87                   | 68                   | 83                   | 28      | 8       | 3,5     | M8      | 16                                  | -                                   | 90       | 460                                | 710         |
| 653 580 14         | -                    | KMT 14 | M70 x 2                        | 100                  | 92                   | 72                   | 88                   | 28      | 8       | 3,5     | M8      | 16                                  | -                                   | 95       | 490                                | 750         |
| 653 580 15         | -                    | KMT 15 | M75 x 2                        | 105                  | 97                   | 77                   | 93                   | 28      | 8       | 3,5     | M8      | 16                                  | -                                   | 100      | 520                                | 800         |
| 653 580 16         | -                    | KMT 16 | M80 x 2                        | 110                  | 100                  | 83                   | 98                   | 32      | 8       | 3,5     | M8      | 16                                  | -                                   | -        | 620                                | 900         |
| 653 580 17         | -                    | KMT 17 | M85 x 2                        | 120                  | 110                  | 88                   | 107                  | 32      | 10      | 4       | M10     | 32                                  | -                                   | -        | 650                                | 1150        |
| 653 580 18         | -                    | KMT 18 | M90 x 2                        | 125                  | 115                  | 93                   | 112                  | 32      | 10      | 4       | M10     | 32                                  | -                                   | -        | 680                                | 1200        |
| 653 580 19         | -                    | KMT 19 | M95 x 2                        | 130                  | 120                  | 98                   | 117                  | 32      | 10      | 4       | M10     | 32                                  | -                                   | -        | 710                                | 1250        |
| 653 580 20         | -                    | KMT 20 | M100 x 2                       | 135                  | 125                  | 103                  | 122                  | 32      | 10      | 4       | M10     | 32                                  | -                                   | -        | 740                                | 1300        |

<sup>1)</sup> Fastening torque of locking screws at KMT. <sup>2)</sup> Fastening torque of locking screws at KMT-R. <sup>3)</sup> Permissible axial load.