

## Shaft collars one-piece

### Item description/product images



### Description

#### Material:

Steel 1.0718

Stainless steel 1.4305.

Aluminium.

#### Version:

Steel black oxidised, screw steel 12.9.

Stainless steel bright, screw stainless steel A2-70.

Aluminium bright, screw stainless steel A2-70.

#### Note:

One-piece shaft collars surround the shaft with a uniformly distributed clamping force. This leads to a dimensionally precise fit and very high retaining forces without damaging the shaft.

The shaft tolerance should lie within h11.

Form A: Standard shaft collar.

Form B: Shaft collar with a ca. 15% higher clamping force than the standard version by the same tightening torque on the locking screw. The bore remains cylindrical which means that the shaft is precisely enclosed. Less imbalance.

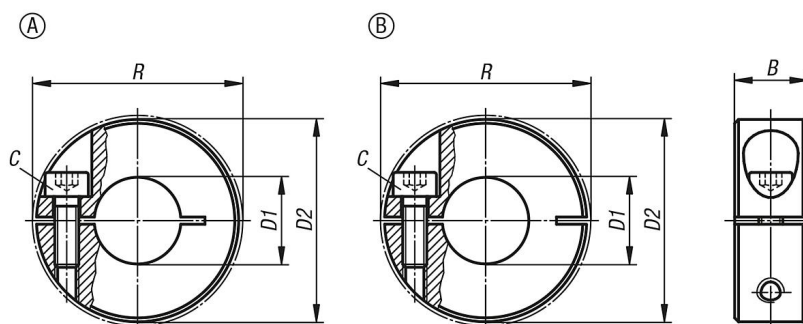
#### Temperature range:

-40 °C to +175 °C.

#### On request:

Other dimensions.

### Drawings



### Overview of items

#### Shaft collars one-piece

| Order No.   | Main material | Version 2 | B  | C<br>(DIN 912) | D1 | D2 | R    |
|-------------|---------------|-----------|----|----------------|----|----|------|
| K0611.00401 | steel         | inner     | 9  | M3x8           | 4  | 16 | 20,7 |
| K0611.00501 | steel         | inner     | 9  | M3x8           | 5  | 16 | 20,7 |
| K0611.00601 | steel         | inner     | 9  | M3x8           | 6  | 16 | 20,7 |
| K0611.00801 | steel         | inner     | 9  | M3x8           | 8  | 18 | 22,4 |
| K0611.01001 | steel         | inner     | 9  | M3x10          | 10 | 24 | 26   |
| K0611.01201 | steel         | inner     | 11 | M4x12          | 12 | 28 | 31,8 |

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| Order No.    | Main material   | Version 2 | B  | C<br>(DIN 912) | D1 | D2 | R    |
|--------------|-----------------|-----------|----|----------------|----|----|------|
| K0611.01501  | steel           | inner     | 13 | M5x16          | 15 | 34 | 39,4 |
| K0611.01601  | steel           | inner     | 13 | M5x16          | 16 | 34 | 39,4 |
| K0611.01801  | steel           | inner     | 13 | M5x16          | 18 | 36 | 41,1 |
| K0611.02001  | steel           | inner     | 15 | M6x18          | 20 | 40 | 46,4 |
| K0611.02201  | steel           | inner     | 15 | M6x18          | 22 | 42 | 48,1 |
| K0611.02501  | steel           | inner     | 15 | M6x18          | 25 | 45 | 50,8 |
| K0611.02801  | steel           | inner     | 15 | M6x18          | 28 | 48 | 53,7 |
| K0611.03001  | steel           | inner     | 15 | M6x18          | 30 | 54 | 58,6 |
| K0611.04001  | steel           | inner     | 15 | M6x18          | 40 | 60 | 65   |
| K0611.05001  | steel           | inner     | 19 | M8x25          | 50 | 78 | 87   |
| K0611.00402  | stainless steel | inner     | 9  | M3x8           | 4  | 16 | 20,7 |
| K0611.00502  | stainless steel | inner     | 9  | M3x8           | 5  | 16 | 20,7 |
| K0611.00602  | stainless steel | inner     | 9  | M3x8           | 6  | 16 | 20,7 |
| K0611.00802  | stainless steel | inner     | 9  | M3x8           | 8  | 18 | 22,4 |
| K0611.01002  | stainless steel | inner     | 9  | M3x10          | 10 | 24 | 26   |
| K0611.01202  | stainless steel | inner     | 11 | M4x12          | 12 | 28 | 31,8 |
| K0611.01502  | stainless steel | inner     | 13 | M5x16          | 15 | 34 | 39,4 |
| K0611.01602  | stainless steel | inner     | 13 | M5x16          | 16 | 34 | 39,4 |
| K0611.01802  | stainless steel | inner     | 13 | M5x16          | 18 | 36 | 41,1 |
| K0611.02002  | stainless steel | inner     | 15 | M6x18          | 20 | 40 | 46,4 |
| K0611.02202  | stainless steel | inner     | 15 | M6x18          | 22 | 42 | 48,1 |
| K0611.02502  | stainless steel | inner     | 15 | M6x18          | 25 | 45 | 50,8 |
| K0611.02802  | stainless steel | inner     | 15 | M6x18          | 28 | 48 | 53,7 |
| K0611.03002  | stainless steel | inner     | 15 | M6x18          | 30 | 54 | 58,6 |
| K0611.04002  | stainless steel | inner     | 15 | M6x18          | 40 | 60 | 65   |
| K0611.05002  | stainless steel | inner     | 19 | M8x25          | 50 | 78 | 87   |
| K0611.00403  | aluminium       | inner     | 9  | M3x8           | 4  | 16 | 20,7 |
| K0611.00503  | aluminium       | inner     | 9  | M3x8           | 5  | 16 | 20,7 |
| K0611.00603  | aluminium       | inner     | 9  | M3x8           | 6  | 16 | 20,7 |
| K0611.00803  | aluminium       | inner     | 9  | M3x8           | 8  | 18 | 22,4 |
| K0611.01003  | aluminium       | inner     | 9  | M3x10          | 10 | 24 | 26   |
| K0611.01203  | aluminium       | inner     | 11 | M4x12          | 12 | 28 | 31,8 |
| K0611.01503  | aluminium       | inner     | 13 | M5x16          | 15 | 34 | 39,4 |
| K0611.01603  | aluminium       | inner     | 13 | M5x16          | 16 | 34 | 39,4 |
| K0611.01803  | aluminium       | inner     | 13 | M5x16          | 18 | 36 | 41,1 |
| K0611.02003  | aluminium       | inner     | 15 | M6x18          | 20 | 40 | 46,4 |
| K0611.02203  | aluminium       | inner     | 15 | M6x18          | 22 | 42 | 48,1 |
| K0611.02503  | aluminium       | inner     | 15 | M6x18          | 25 | 45 | 50,8 |
| K0611.02803  | aluminium       | inner     | 15 | M6x18          | 28 | 48 | 53,7 |
| K0611.03003  | aluminium       | inner     | 15 | M6x18          | 30 | 54 | 58,6 |
| K0611.04003  | aluminium       | inner     | 15 | M6x18          | 40 | 60 | 65   |
| K0611.05003  | aluminium       | inner     | 19 | M8x25          | 50 | 78 | 87   |
| K0611.100401 | steel           | outer     | 9  | M3x8           | 4  | 16 | 20,7 |
| K0611.100501 | steel           | outer     | 9  | M3x8           | 5  | 16 | 20,7 |
| K0611.100601 | steel           | outer     | 9  | M3x8           | 6  | 16 | 20,7 |
| K0611.100801 | steel           | outer     | 9  | M3x8           | 8  | 18 | 22,4 |
| K0611.101001 | steel           | outer     | 9  | M3x10          | 10 | 24 | 26   |
| K0611.101201 | steel           | outer     | 11 | M4x12          | 12 | 28 | 31,8 |
| K0611.101501 | steel           | outer     | 13 | M5x16          | 15 | 34 | 39,4 |
| K0611.101601 | steel           | outer     | 13 | M5x16          | 16 | 34 | 39,4 |
| K0611.101801 | steel           | outer     | 13 | M5x16          | 18 | 36 | 41,1 |
| K0611.102001 | steel           | outer     | 15 | M6x18          | 20 | 40 | 46,4 |
| K0611.102201 | steel           | outer     | 15 | M6x18          | 22 | 42 | 48,1 |
| K0611.102501 | steel           | outer     | 15 | M6x18          | 25 | 45 | 50,8 |
| K0611.102801 | steel           | outer     | 15 | M6x18          | 28 | 48 | 53,7 |
| K0611.103001 | steel           | outer     | 15 | M6x18          | 30 | 54 | 58,6 |
| K0611.104001 | steel           | outer     | 15 | M6x18          | 40 | 60 | 65   |
| K0611.105001 | steel           | outer     | 19 | M8x25          | 50 | 78 | 87   |
| K0611.100402 | stainless steel | outer     | 9  | M3x8           | 4  | 16 | 20,7 |
| K0611.100502 | stainless steel | outer     | 9  | M3x8           | 5  | 16 | 20,7 |
| K0611.100602 | stainless steel | outer     | 9  | M3x8           | 6  | 16 | 20,7 |
| K0611.100802 | stainless steel | outer     | 9  | M3x8           | 8  | 18 | 22,4 |

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|--------------|-----------------|-----------|----|----------------|----|----|------|
| K0611.101002 | stainless steel | outer     | 9  | M3x10          | 10 | 24 | 26   |
| K0611.101202 | stainless steel | outer     | 11 | M4x12          | 12 | 28 | 31,8 |
| K0611.101502 | stainless steel | outer     | 13 | M5x16          | 15 | 34 | 39,4 |
| K0611.101602 | stainless steel | outer     | 13 | M5x16          | 16 | 34 | 39,4 |
| K0611.101802 | stainless steel | outer     | 13 | M5x16          | 18 | 36 | 41,1 |
| K0611.102002 | stainless steel | outer     | 15 | M6x18          | 20 | 40 | 46,4 |
| K0611.102202 | stainless steel | outer     | 15 | M6x18          | 22 | 42 | 48,1 |
| K0611.102502 | stainless steel | outer     | 15 | M6x18          | 25 | 45 | 50,8 |
| K0611.102802 | stainless steel | outer     | 15 | M6x18          | 28 | 48 | 53,7 |
| K0611.103002 | stainless steel | outer     | 15 | M6x18          | 30 | 54 | 58,6 |
| K0611.104002 | stainless steel | outer     | 15 | M6x18          | 40 | 60 | 65   |
| K0611.105002 | stainless steel | outer     | 19 | M8x25          | 50 | 78 | 87   |
| K0611.100403 | aluminium       | outer     | 9  | M3x8           | 4  | 16 | 20,7 |
| K0611.100503 | aluminium       | outer     | 9  | M3x8           | 5  | 16 | 20,7 |
| K0611.100603 | aluminium       | outer     | 9  | M3x8           | 6  | 16 | 20,7 |
| K0611.100803 | aluminium       | outer     | 9  | M3x8           | 8  | 18 | 22,4 |
| K0611.101003 | aluminium       | outer     | 9  | M3x10          | 10 | 24 | 26   |
| K0611.101203 | aluminium       | outer     | 11 | M4x12          | 12 | 28 | 31,8 |
| K0611.101503 | aluminium       | outer     | 13 | M5x16          | 15 | 34 | 39,4 |
| K0611.101603 | aluminium       | outer     | 13 | M5x16          | 16 | 34 | 39,4 |
| K0611.101803 | aluminium       | outer     | 13 | M5x16          | 18 | 36 | 41,1 |
| K0611.102003 | aluminium       | outer     | 15 | M6x18          | 20 | 40 | 46,4 |
| K0611.102203 | aluminium       | outer     | 15 | M6x18          | 22 | 42 | 48,1 |
| K0611.102503 | aluminium       | outer     | 15 | M6x18          | 25 | 45 | 50,8 |
| K0611.102803 | aluminium       | outer     | 15 | M6x18          | 28 | 48 | 53,7 |
| K0611.103003 | aluminium       | outer     | 15 | M6x18          | 30 | 54 | 58,6 |
| K0611.104003 | aluminium       | outer     | 15 | M6x18          | 40 | 60 | 65   |
| K0611.105003 | aluminium       | outer     | 19 | M8x25          | 50 | 78 | 87   |