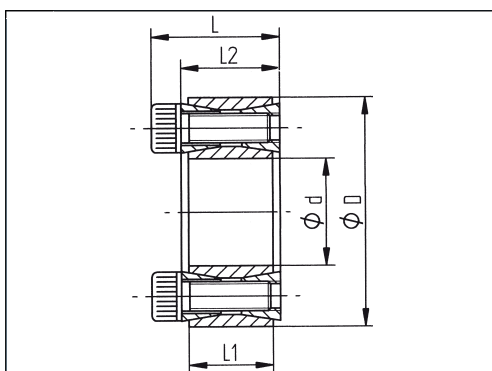


## Locking Device

## KBS 40



|                                           |        |
|-------------------------------------------|--------|
| <b>+</b> transmittable torque             | medium |
| surface pressure on hub                   | high   |
| self-centering                            | no     |
| axial movement of the hub during assembly | no     |
| height D/d                                | high   |
| overall length                            | short  |

Recommended finishing tolerances of contact surfaces are: shaft h11 / hub H11

## Order Code

Steel

KBS 40 - 75 x 115

Type      Ød      ØD

Stainless steel

KBS 40 - 75 x 115 - VA

Type      Ød      ØD

chemically  
nickel-plated

KBS 40 - 75 x 115 - NI

Type      Ød      ØD

Stainless steel  
Special screws

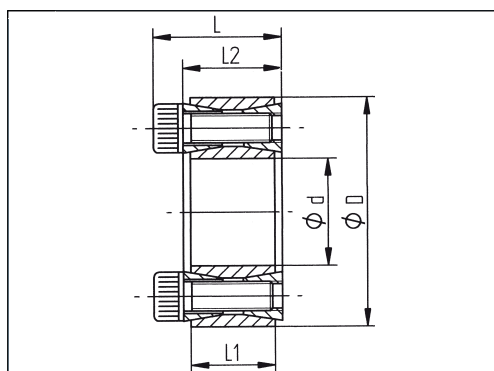
KBS 40 - 75 x 115 - VAB

Type      Ød      ØD

| Inner / Outer Ø<br>dxD | Torque<br>T<br>Nm | Dimensions |          |          | Surface pressure on  |                    | Screws |          |          | Mass<br>kg |
|------------------------|-------------------|------------|----------|----------|----------------------|--------------------|--------|----------|----------|------------|
|                        |                   | L<br>mm    | L1<br>mm | L2<br>mm | Shaft<br>Pw<br>N/mm² | Hub<br>Pn<br>N/mm² | No.    | ISO 4762 | TA<br>Nm |            |
| 19 x 47                | 255               | 28         | 17       | 20       | 220                  | 90                 | 8      | M6x18    | 14       | 0.20       |
| 20 x 47                | 270               | 28         | 17       | 20       | 210                  | 90                 | 8      | M6x18    | 14       | 0.20       |
| 22 x 47                | 300               | 28         | 17       | 20       | 195                  | 90                 | 8      | M6x18    | 14       | 0.20       |
| 24 x 50                | 360               | 28         | 17       | 20       | 195                  | 95                 | 9      | M6x18    | 14       | 0.23       |
| 25 x 50                | 380               | 28         | 17       | 20       | 190                  | 95                 | 9      | M6x18    | 14       | 0.21       |
| 28 x 55                | 500               | 28         | 17       | 20       | 187                  | 96                 | 10     | M6x18    | 14       | 0.25       |
| 30 x 55                | 530               | 28         | 17       | 20       | 176                  | 96                 | 10     | M6x18    | 14       | 0.26       |
| 32 x 60                | 630               | 28         | 17       | 20       | 192                  | 105                | 12     | M6x18    | 14       | 0.27       |
| 35 x 60                | 700               | 28         | 17       | 20       | 180                  | 105                | 12     | M6x18    | 14       | 0.28       |
| 38 x 65                | 860               | 28         | 17       | 20       | 183                  | 107                | 14     | M6x18    | 14       | 0.30       |
| 40 x 65                | 910               | 28         | 17       | 20       | 180                  | 110                | 14     | M6x18    | 14       | 0.30       |
| 42 x 75                | 1500              | 32         | 20       | 24       | 226                  | 125                | 12     | M8x22    | 35       | 0.55       |
| 45 x 75                | 1610              | 32         | 20       | 24       | 210                  | 125                | 12     | M8x22    | 35       | 0.56       |
| 48 x 80                | 1700              | 32         | 20       | 24       | 196                  | 115                | 12     | M8x22    | 35       | 0.57       |
| 50 x 80                | 1770              | 32         | 20       | 24       | 190                  | 115                | 12     | M8x22    | 35       | 0.58       |
| 55 x 85                | 2270              | 32         | 20       | 24       | 200                  | 130                | 14     | M8x22    | 35       | 0.60       |
| 60 x 90                | 2470              | 32         | 20       | 24       | 180                  | 120                | 14     | M8x22    | 35       | 0.65       |
| 65 x 95                | 3040              | 32         | 20       | 24       | 190                  | 130                | 16     | M8x22    | 35       | 0.70       |

## Locking Device

## KBS 40



|                                           |        |
|-------------------------------------------|--------|
| transmittable torque                      | medium |
| surface pressure on hub                   | high   |
| self-centering                            | no     |
| axial movement of the hub during assembly | no     |
| height D/d                                | high   |
| overall length                            | short  |

Recommended finishing tolerances of contact surfaces are: shaft h11 / hub H11

## Order Code

Steel

KBS 40 - 75 x 115

Type Ød ØD

Stainless steel

KBS 40 - 75 x 115 - VA

Type Ød ØD

chemically  
nickel-plated

KBS 40 - 75 x 115 - NI

Type Ød ØD

Stainless steel  
Special screws

KBS 40 - 75 x 115 - VAB

Type Ød ØD

| Inner / Outer Ø<br>dxD | Torque<br>T<br>Nm | Dimensions |          |          | Surface pressure on  |                    | Screws |          |          | Mass<br>kg |
|------------------------|-------------------|------------|----------|----------|----------------------|--------------------|--------|----------|----------|------------|
|                        |                   | L<br>mm    | L1<br>mm | L2<br>mm | Shaft<br>Pw<br>N/mm² | Hub<br>Pn<br>N/mm² | No.    | ISO 4762 | TA<br>Nm |            |
| 70 x 110               | 4600              | 38         | 24       | 28       | 210                  | 130                | 14     | M10x25   | 70       | 1.25       |
| 75 x 115               | 4900              | 38         | 24       | 28       | 195                  | 125                | 14     | M10x25   | 70       | 1.30       |
| 80 x 120               | 5200              | 38         | 24       | 28       | 180                  | 120                | 14     | M10x25   | 70       | 1.35       |
| 85 x 125               | 6300              | 38         | 24       | 28       | 195                  | 130                | 16     | M10x25   | 70       | 1.45       |
| 90 x 130               | 6600              | 38         | 24       | 28       | 180                  | 125                | 16     | M10x25   | 70       | 1.53       |
| 95 x 135               | 7900              | 38         | 24       | 28       | 195                  | 135                | 18     | M10x25   | 70       | 1.62       |
| 100 x 145              | 9600              | 47         | 26       | 33       | 195                  | 135                | 14     | M12x30   | 125      | 2.10       |
| 110 x 155              | 10500             | 47         | 26       | 33       | 180                  | 125                | 14     | M12x30   | 125      | 2.25       |
| 120 x 165              | 13100             | 47         | 26       | 33       | 185                  | 135                | 16     | M12x30   | 125      | 2.45       |
| 130 x 180              | 17600             | 50         | 34       | 38       | 165                  | 115                | 20     | M12x35   | 125      | 3.45       |
| 140 x 190              | 20900             | 50         | 34       | 38       | 165                  | 125                | 22     | M12x35   | 125      | 3.65       |
| 150 x 200              | 24200             | 50         | 34       | 38       | 170                  | 125                | 24     | M12x35   | 125      | 3.90       |
| 160 x 210              | 28000             | 50         | 34       | 38       | 170                  | 130                | 26     | M12x35   | 125      | 4.45       |
| 170 x 225              | 32800             | 60         | 38       | 44       | 160                  | 120                | 22     | M14x40   | 190      | 5.45       |
| 180 x 235              | 37800             | 60         | 38       | 44       | 165                  | 125                | 24     | M14x40   | 190      | 6.05       |
| 190 x 250              | 46500             | 68         | 46       | 52       | 150                  | 115                | 28     | M14x45   | 190      | 8.25       |
| 200 x 260              | 52500             | 68         | 46       | 52       | 150                  | 115                | 30     | M14x45   | 190      | 8.65       |
| 220 x 285              | 68000             | 74         | 50       | 56       | 150                  | 115                | 26     | M16x50   | 295      | 11.15      |