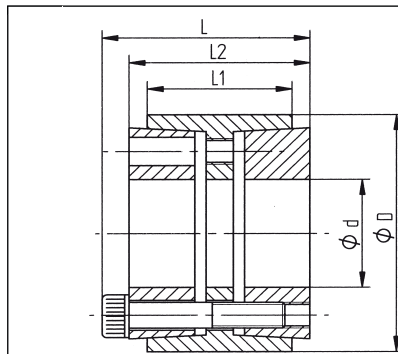


## Locking Device

## KBS 11



|                                           |               |
|-------------------------------------------|---------------|
| transmittable torque                      | high          |
| surface pressure on hub                   | medium        |
| self-centering                            | yes           |
| axial movement of the hub during assembly | conditionally |
| height D/d                                | high          |
| overall length                            | long          |

Recommended finishing tolerances of contact surfaces are: shaft h8 / hub H8

## Order Code

Steel

KBS 11 - 45 x 75

Type      Ød      ØD

Stainless steel

KBS 11 - 45 x 75 - VA

Type      Ød      ØD

chemically  
nickel-plated

KBS 11 - 45 x 75 - NI

Type      Ød      ØD

Stainless steel  
Special screws

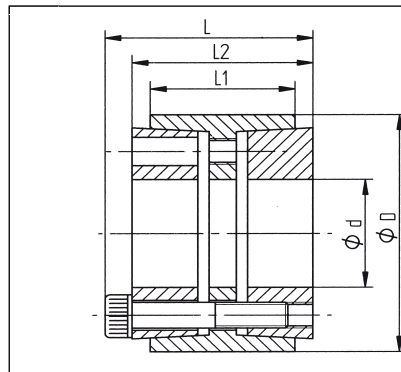
KBS 11 - 45 x 75 - VAB

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 |            |
| 25 x 50                | 824               | 51         | 41       | 45       | 219                  | 85                 | 6      | M6x40    | 17       | 0.50       |
| 25 x 55                | 840               | 46         | 32       | 40       | 295                  | 134                | 6      | M6x35    | 17       | 0.37       |
| 28 x 55                | 940               | 46         | 32       | 40       | 264                  | 134                | 6      | M6x35    | 17       | 0.38       |
| 30 x 55                | 1000              | 46         | 32       | 40       | 246                  | 134                | 6      | M6x35    | 17       | 0.40       |
| 35 x 60                | 1360              | 60         | 44       | 54       | 174                  | 101                | 7      | M6x45    | 17       | 0.60       |
| 38 x 75                | 2740              | 62         | 44       | 54       | 296                  | 150                | 7      | M8x50    | 41       | 1.05       |
| 40 x 65                | 2080              | 52         | 41       | 47       | 209                  | 129                | 10     | M6x40    | 17       | 0.60       |
| 40 x 75                | 2880              | 62         | 44       | 54       | 281                  | 150                | 7      | M8x50    | 41       | 1.05       |
| 42 x 75                | 3030              | 62         | 44       | 54       | 268                  | 150                | 7      | M8x50    | 41       | 1.10       |
| 45 x 75                | 3240              | 62         | 44       | 54       | 250                  | 150                | 7      | M8x50    | 41       | 1.10       |
| 48 x 80                | 3950              | 72         | 56       | 64       | 207                  | 124                | 8      | M8x50    | 41       | 1.15       |
| 50 x 80                | 4150              | 72         | 56       | 64       | 200                  | 98                 | 8      | M8x50    | 41       | 1.15       |
| 55 x 85                | 5150              | 72         | 56       | 64       | 205                  | 104                | 9      | M8x50    | 41       | 1.30       |
| 60 x 90                | 6200              | 72         | 56       | 64       | 202                  | 106                | 10     | M8x50    | 41       | 1.35       |
| 65 x 95                | 6750              | 72         | 56       | 64       | 187                  | 100                | 10     | M8x50    | 41       | 1.45       |
| 70 x 110               | 11500             | 88         | 70       | 78       | 223                  | 114                | 10     | M10x60   | 83       | 2.75       |
| 75 x 115               | 12300             | 88         | 70       | 78       | 223                  | 114                | 10     | M10x60   | 83       | 3.00       |
| 80 x 120               | 14500             | 88         | 70       | 78       | 215                  | 115                | 11     | M10x60   | 83       | 3.15       |
| 85 x 125               | 15400             | 88         | 70       | 78       | 215                  | 115                | 12     | M10x60   | 83       | 3.25       |
| 90 x 130               | 17800             | 88         | 70       | 78       | 208                  | 115                | 12     | M10x60   | 83       | 3.50       |
| 95 x 135               | 18700             | 88         | 70       | 78       | 208                  | 115                | 12     | M10x60   | 83       | 4.80       |

## Locking Device

## KBS 11



|                                           |               |
|-------------------------------------------|---------------|
| transmittable torque                      | high          |
| surface pressure on hub                   | medium        |
| self-centering                            | yes           |
| axial movement of the hub during assembly | conditionally |
| height D/d                                | high          |
| overall length                            | long          |

Recommended finishing tolerances of contact surfaces are: shaft h8 / hub H8

## Order Code

Steel

KBS 11 - 45 x 75

Type      Ød      ØD

Stainless steel

KBS 11 - 45 x 75 - VA

Type      Ød      ØD

chemically  
nickel-plated

KBS 11 - 45 x 75 - NI

Type      Ød      ØD

Stainless steel  
Special screws

KBS 11 - 45 x 75 - 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 |            |
| 100 x 145              | 26300             | 112        | 90       | 100      | 200                  | 107                | 11     | M12x80   | 145      | 5.70       |
| 110 x 155              | 31800             | 112        | 90       | 100      | 198                  | 110                | 12     | M12x80   | 145      | 6.10       |
| 120 x 165              | 40400             | 112        | 90       | 100      | 212                  | 120                | 14     | M12x80   | 145      | 6.60       |
| 130 x 180              | 51500             | 130        | 104      | 116      | 192                  | 112                | 12     | M14x90   | 230      | 9.18       |
| 140 x 190              | 64700             | 130        | 104      | 116      | 208                  | 124                | 14     | M14x90   | 230      | 9.80       |
| 150 x 200              | 74200             | 130        | 104      | 116      | 208                  | 127                | 15     | M14x90   | 230      | 10.40      |
| 160 x 210              | 84500             | 130        | 104      | 116      | 208                  | 128                | 16     | M14x90   | 230      | 10.90      |
| 170 x 225              | 108200            | 164        | 134      | 148      | 182                  | 113                | 14     | M16x110  | 355      | 16.20      |
| 180 x 235              | 123250            | 164        | 134      | 148      | 184                  | 115                | 15     | M16x110  | 355      | 16.85      |
| 190 x 250              | 133800            | 164        | 134      | 148      | 186                  | 116                | 16     | M16x110  | 355      | 19.67      |
| 200 x 260              | 146000            | 164        | 134      | 148      | 177                  | 112                | 16     | M16x110  | 355      | 20.57      |
| 220 x 285              | 181000            | 164        | 134      | 148      | 188                  | 115                | 18     | M16x110  | 355      | 24.46      |
| 240 x 305              | 218000            | 164        | 134      | 148      | 184                  | 119                | 20     | M16x110  | 355      | 26.40      |
| 260 x 325              | 250000            | 164        | 134      | 148      | 178                  | 117                | 21     | M16x110  | 355      | 28.73      |
| 280 x 355              | 360000            | 197        | 165      | 177      | 185                  | 117                | 18     | M20x130  | 690      | 43.0       |
| 300 x 375              | 428000            | 197        | 165      | 177      | 192                  | 123                | 20     | M20x130  | 690      | 46.5       |