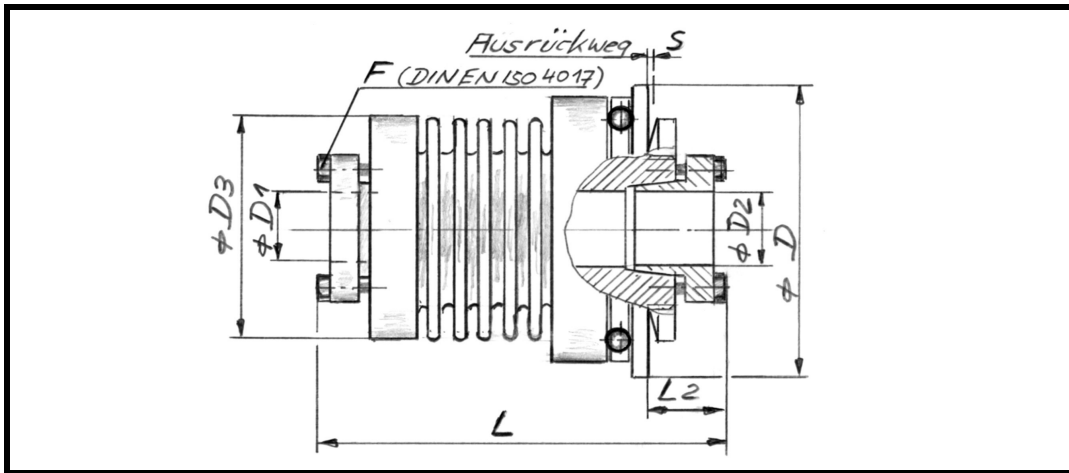


Safety Coupling Type KBK/BI



Dimensions [mm]

| Type | D | L | D1 | D2 | D3 | F | L2 | S |
|-------------|-----|-----|-------|-------|------|------|------|------|
| KBK/BI-7-10 | 50 | 68 | 6-14 | 6-14 | 40,5 | M 3 | 10 | 0,70 |
| | | 78 | | | | 1,5 | | |
| KBK/BI-30 | 65 | 85 | 10-20 | 10-20 | 56 | M 5 | 12 | 1,20 |
| | | 94 | | | | 6 | | |
| KBK/BI-60 | 80 | 100 | 15-25 | 15-25 | 66 | M 6 | 13 | 1,20 |
| | | 110 | | | | 8,5 | | |
| KBK/BI-80 | 95 | 115 | 20-35 | 20-35 | 82 | M 6 | 15 | 2 |
| | | 128 | | | | 14 | | |
| KBK/BI-150 | 95 | 115 | 20-35 | 20-35 | 82 | M 6 | 15 | 2 |
| | | 128 | | | | 14 | | |
| KBK/BI-200 | 110 | 125 | 20-40 | 20-40 | 90 | M 6 | 15 | 2 |
| | | 135 | | | | 14 | | |
| KBK/BI-300 | 120 | 135 | 30-50 | 30-46 | 110 | M 8 | 19 | 2 |
| | | 145 | | | | 18 | | |
| KBK/BI-500 | 130 | 150 | 35-55 | 35-50 | 122 | M 8 | 18,5 | 2 |
| | | 162 | | | | 26 | | |
| KBK/BI-800 | 169 | 235 | 40-70 | 40-60 | 157 | M 16 | 30 | 2 |
| | | | | | | 45 | | |
| KBK/BI-1400 | 169 | 235 | 40-70 | 40-60 | 157 | M 16 | 30 | 2 |
| | | | | | | 80 | | |
| KBK/BI-1600 | 195 | 250 | 60-90 | 70-90 | 157 | M 12 | 32 | 2 |
| | | | | | | 90 | | |

Permissible Misalignment

| Size | 10 | 30 | 60 | 80 | 150 | 200 | 300 | 500 | 800 | 1400 | 1600 |
|-------------|----------|-----------|-----------|----------|----------|----------|----------|-----------|-----|------|------|
| radial [mm] | 0,15/0,3 | 0,15/0,25 | 0,15/0,25 | 0,2/0,25 | 0,2/0,25 | 0,2/0,25 | 0,2/0,25 | 0,2/0,25 | 0,2 | 0,2 | 0,2 |
| axial [mm] | 0,4/0,6 | 0,6/1 | 0,6/1 | 0,5/0,8 | 0,5/0,8 | 0,5/0,8 | 0,5/0,8 | 0,5 / 1,0 | 0,8 | 0,8 | 0,8 |
| angular [°] | 1,5/2 | 1,5/2 | 1,5/2 | 1,5/2 | 1,5/2 | 1,5/2 | 1,5/2 | 1,5/2 | 1,8 | 1,8 | 1,5 |

Technical Ratings

| Type | Overload Torque adjustable | | Torsional Stiffness 10 ³ CT Nm/rad | Maximum Speed rpm 1/ min | Weight m kg | Spring Stiffness | | Moment of Inertia J kgcm ² |
|-------------|----------------------------|--------------|---|--------------------------|-------------|------------------|---------------|---------------------------------------|
| | Range 1 M Nm | Range 2 M Nm | | | | radial CR N/mm | axial CA N/mm | |
| KBK/BI-10 | 3 - 7 | 5 - 10 | 8,1/6,8 | 11650 | 0,25 | 120/29 | 27/17 | 0,7 |
| KBK/BI-30 | 5 - 15 | 10 - 30 | 38/28 | 9540 | 0,7 | 720/225 | 50/28 | 3,2 |
| KBK/BI-60 | 12 - 35 | 20 - 60 | 75/50 | 8180 | 1,4 | 1150/340 | 90/50 | 8 |
| KBK/BI-80 | 15 - 40 | 30 - 80 | 128/75 | 6220 | 2,3 | 1200/400 | 80/50 | 19 |
| KBK/BI-150 | 50 - 130 | 65 - 150 | 155/105 | 6220 | 2,4 | 2020/595 | 145/85 | 20 |
| KBK/BI-200 | 30 - 90 | 60 - 200 | 175/116 | 5720 | 3 | 2500/460 | 147/82 | 33 |
| KBK/BI-300 | 60 - 200 | 100 - 300 | 502/285 | 5200 | 5,3 | 6300/1400 | 280/145 | 65 |
| KBK/BI-500 | 80 - 250 | 200 - 500 | 690/320 | 4470 | 7 | 7790/970 | 100/85 | 170 |
| KBK/BI-800 | 240-600 | 500-800 | 700 | 3350 | 19 | 500 | 185 | 540 |
| KBK/BI-1400 | 360-1000 | 900-1400 | 1270 | 3350 | 20 | 700 | 275 | 560 |
| KBK/BI-1600 | 360-100 | 900-1600 | 2810 | 3000 | 22 | 2945 | 305 | 600 |

Keyways optional:

Materials:

Temperature range:

Customized solutions:

according to standar DIN 6885

bellows made of stainless steel

Hubs made of steel

minus 30 °C to 120 °C

on request

Order Code: KBK/BI 60 - 85 - 15H7 - 18 H7 - 20Nm - C - 1

Type, Size _____

Length _____

Bore 1 _____

Bore 2 _____

Disengagement torque _____

C = Single position; D = multiposition engagement _____

Overload torque range _____