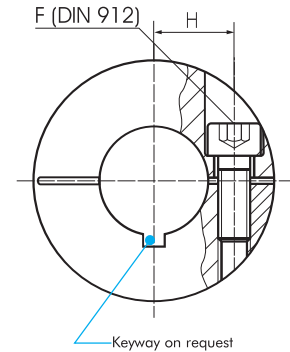
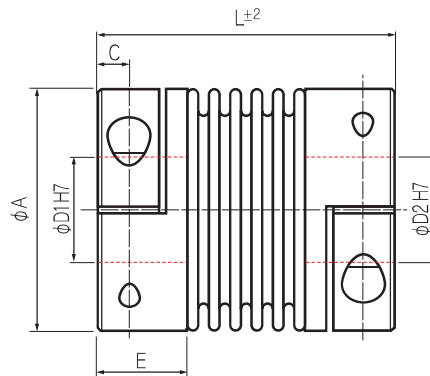


### Bellows Couplings



Order Code: **KB 4 / 60 - 89 - 12 - 32 - S**

Type / Size

Length

Ø D1  
(H7)

Ø D2  
(H7)

Options

|          | Torque<br>$T_{KN}$<br>(Nm) | Dimensions (mm) |            |                    |    |      |      |                                           | Technical Ratings |                                                  |                                                         |                                    |                                   |                                   |                                  |                                   |                     |
|----------|----------------------------|-----------------|------------|--------------------|----|------|------|-------------------------------------------|-------------------|--------------------------------------------------|---------------------------------------------------------|------------------------------------|-----------------------------------|-----------------------------------|----------------------------------|-----------------------------------|---------------------|
|          |                            | L               | Ø A        | D1/D2              | H  | C    | E    | F                                         | Mass<br>(kg)      | Moment<br>of Inertia<br>J<br>(g m <sup>2</sup> ) | Spring Stiffness                                        |                                    |                                   | Misalignment                      |                                  |                                   | max<br>Speed<br>rpm |
|          |                            | Length<br>(±2)  | Outer<br>Ø | Bore Sizes<br>(H7) |    |      |      | Screw<br>(DIN 912)<br>T <sub>A</sub> (Nm) |                   |                                                  | torsional<br>C <sub>T</sub> 10 <sup>3</sup><br>(Nm/rad) | radial<br>C <sub>R</sub><br>(N/mm) | axial<br>C <sub>A</sub><br>(N/mm) | radial<br>ΔK <sub>r</sub><br>(mm) | axial<br>ΔK <sub>a</sub><br>(mm) | angular<br>ΔK <sub>w</sub><br>(°) |                     |
| KB4/18   | 18                         | 63              | 45         | 10-25.4            | 17 | 5.5  | 19.5 | M5                                        | 0.1               | 0.04                                             | 20                                                      | 205                                | 50                                | 0.2                               | 0.5                              | 1.5                               | 12800               |
|          |                            | 71              |            |                    |    |      |      | 8                                         | 0.15              | 0.05                                             | 15                                                      | 82                                 | 36                                | 0.25                              | 0.5                              | 2                                 | 12800               |
| KB4/30   | 30                         | 65              | 56         | 10-30              | 20 | 7.5  | 24.5 | M6                                        | 0.3               | 0.15                                             | 38                                                      | 720                                | 50                                | 0.15                              | 0.6                              | 1.5                               | 10300               |
|          |                            | 73              |            |                    |    |      |      | 15                                        | 0.32              | 0.16                                             | 28                                                      | 225                                | 28                                | 0.25                              | 1                                | 2                                 | 10300               |
| KB4/60   | 60                         | 79              | 66         | 12-32              | 23 | 10   | 29   | M8                                        | 0.5               | 0.33                                             | 75                                                      | 1150                               | 90                                | 0.15                              | 0.6                              | 1.5                               | 8700                |
|          |                            | 89              |            |                    |    |      |      | 40                                        | 0.6               | 0.36                                             | 50                                                      | 340                                | 50                                | 0.25                              | 1                                | 2                                 | 8700                |
| KB4/80   | 80                         | 91              | 82         | 14-42              | 28 | 11   | 33.5 | M10                                       | 2.3               | 2.3                                              | 128                                                     | 1200                               | 80                                | 0.2                               | 0.5                              | 1.5                               | 6900                |
|          |                            | 102             |            |                    |    |      |      | 72                                        | 2.4               | 2.4                                              | 75                                                      | 400                                | 50                                | 0.25                              | 0.8                              | 2                                 | 6900                |
| KB4/150  | 150                        | 91              | 82         | 19-42              | 28 | 11   | 33.5 | M10                                       | 2.3               | 2.5                                              | 155                                                     | 2020                               | 145                               | 0.2                               | 0.5                              | 1.5                               | 6900                |
|          |                            | 102             |            |                    |    |      |      | 84                                        | 2.4               | 2.6                                              | 105                                                     | 595                                | 85                                | 0.25                              | 0.5                              | 2                                 | 6900                |
| KB4/200  | 200                        | 101             | 90         | 22-45              | 31 | 13   | 38   | M12                                       | 2.6               | 3.3                                              | 175                                                     | 2500                               | 145                               | 0.2                               | 0.5                              | 1.5                               | 6400                |
|          |                            | 113             |            |                    |    |      |      | 125                                       | 2.7               | 3.5                                              | 120                                                     | 460                                | 82                                | 0.25                              | 0.8                              | 2                                 | 6400                |
| KB4/300  | 300                        | 105             | 110        | 30-60              | 40 | 13   | 38   | M12                                       | 4.3               | 7.6                                              | 502                                                     | 6300                               | 280                               | 0.2                               | 0.5                              | 1.5                               | 6000                |
|          |                            | 116             |            |                    |    |      |      | 145                                       | 4.4               | 7.8                                              | 285                                                     | 1400                               | 145                               | 0.25                              | 0.8                              | 2                                 | 6000                |
| KB4/500  | 500                        | 112             | 122        | 35-70              | 42 | 15   | 42   | M12                                       | 5.5               | 13.5                                             | 690                                                     | 7790                               | 100                               | 0.2                               | 0.5                              | 1.5                               | 5000                |
|          |                            | 123             |            |                    |    |      |      | 145                                       | 5.6               | 13.7                                             | 320                                                     | 970                                | 85                                | 0.25                              | 1                                | 2                                 | 5000                |
| KB4/800  | 800                        | 168             | 157        | 40-80              | 55 | 22.5 | 55   | 2M20                                      | 9                 | 35                                               | 1270                                                    | 700                                | 275                               | 0.2                               | 0.8                              | 1.8                               | 5000                |
|          |                            |                 |            |                    |    |      |      | 400                                       |                   |                                                  |                                                         |                                    |                                   |                                   |                                  |                                   |                     |
| KB4/1400 | 1400                       | 168             | 157        | 50-80              | 55 | 22.5 | 55   | 2M20                                      | 10                | 36                                               | 1270                                                    | 700                                | 275                               | 0.2                               | 0.8                              | 1.8                               | 5000                |
|          |                            |                 |            |                    |    |      |      | 470                                       |                   |                                                  |                                                         |                                    |                                   |                                   |                                  |                                   |                     |

⊙ Bellows: Stainless Steel

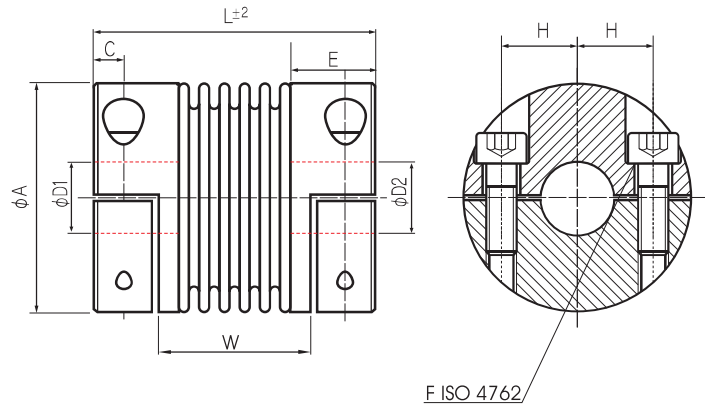
⊙ Material-Hubs:

| Size       | Standard  | Options                    |
|------------|-----------|----------------------------|
| 18 - 60    | Aluminium | Stainless Steel            |
| 80 - 500   | Steel     | Aluminium, Stainless Steel |
| 800 - 1400 | Steel     | Stainless Steel            |

⊙ Temperature Range: -30°C ~ 120°C

### Bellows Couplings

with Split Hubs



**Order Code: KB 4H / 60 - 83 - 20 - 20 - S**

Type / Size

Length

Ø D1  
(H7)

Ø D2  
(H7)

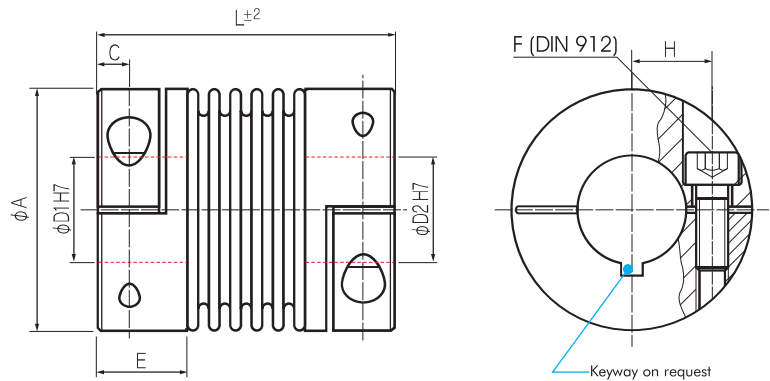
Options

|          | Torque<br>$T_{KN}$<br>(Nm) | Dimensions (mm) |         |                 |    |      |      |    | Technical Ratings             |       |                     |                                    |                           |                          |                                |                               |                                |                  |
|----------|----------------------------|-----------------|---------|-----------------|----|------|------|----|-------------------------------|-------|---------------------|------------------------------------|---------------------------|--------------------------|--------------------------------|-------------------------------|--------------------------------|------------------|
|          |                            | L               | Ø A     | D1/D2           | H  | C    | E    | W  | F                             | Mass  | Moment of Inertia J | Spring Stiffness                   |                           |                          | Misalignment                   |                               |                                | max Speed<br>rpm |
|          |                            | Length (±2)     | Outer Ø | Bore Sizes (H7) |    |      |      |    | Screw (DIN 912)<br>$T_A$ (Nm) | (kg)  | (g m²)              | torsional<br>$C_T$ 10³<br>(Nm/rad) | radial<br>$C_R$<br>(N/mm) | axial<br>$C_A$<br>(N/mm) | radial<br>$\Delta K_r$<br>(mm) | axial<br>$\Delta K_a$<br>(mm) | angular<br>$\Delta K_w$<br>(°) |                  |
| KB4H/18  | 18                         | 63              | 45      | 10-25           | 17 | 5.5  | 19.5 | 37 | M5                            | 0.1   | 0.04                | 20                                 | 205                       | 50                       | 0.2                            | 0.5                           | 1.5                            | 12800            |
|          |                            | 71              |         |                 |    |      |      | 45 | 8                             | 0.15  | 0.05                | 15                                 | 82                        | 36                       | 0.25                           | 0.5                           | 2                              | 12800            |
| KB4H/30  | 30                         | 69              | 56      | 10-30           | 20 | 7.5  | 27   | 35 | M6                            | 0.3   | 0.14                | 38                                 | 720                       | 50                       | 0.15                           | 0.6                           | 1.5                            | 10300            |
|          |                            | 77              |         |                 |    |      |      | 43 | 15                            | 0.32  | 0.15                | 28                                 | 225                       | 28                       | 0.25                           | 1                             | 2                              | 10300            |
| KB4H/60  | 60                         | 83              | 66      | 12-35           | 23 | 9.5  | 31   | 41 | M8                            | 0.5   | 0.28                | 75                                 | 1150                      | 90                       | 0.15                           | 0.6                           | 1.5                            | 8700             |
|          |                            | 93              |         |                 |    |      |      | 51 | 40                            | 0.6   | 0.29                | 50                                 | 340                       | 50                       | 0.25                           | 1                             | 2                              | 8700             |
| KB4H/80  | 80                         | 94              | 82      | 14-42           | 28 | 11   | 36   | 47 | M10                           | 0.9   | 0.65                | 128                                | 1200                      | 80                       | 0.2                            | 0.5                           | 1.5                            | 6900             |
|          |                            | 106             |         |                 |    |      |      | 59 | 72                            | 0.95  | 0.67                | 75                                 | 400                       | 50                       | 0.25                           | 0.8                           | 2                              | 6900             |
| KB4H/150 | 150                        | 95              | 82      | 19-42           | 28 | 11   | 36   | 48 | M10                           | 0.9   | 0.82                | 155                                | 2020                      | 145                      | 0.2                            | 0.5                           | 1.5                            | 6900             |
|          |                            | 107             |         |                 |    |      |      | 60 | 84                            | 0.95  | 0.86                | 105                                | 595                       | 85                       | 0.25                           | 0.5                           | 2                              | 6900             |
| KB4H/200 | 200                        | 105             | 90      | 22-45           | 31 | 12.5 | 41   | 51 | M12                           | 1.3   | 2.2                 | 175                                | 2500                      | 145                      | 0.2                            | 0.5                           | 1.5                            | 6400             |
|          |                            | 117             |         |                 |    |      |      | 63 | 125                           | 1.35  | 2.7                 | 120                                | 460                       | 82                       | 0.25                           | 0.8                           | 2                              | 6400             |
| KB4H/300 | 300                        | 111             | 110     | 24-60           | 39 | 13   | 43   | 55 | M12                           | 1.8   | 4.2                 | 502                                | 6300                      | 280                      | 0.2                            | 0.5                           | 1.5                            | 6000             |
|          |                            | 125             |         |                 |    |      |      | 69 | 145                           | 1.85  | 5.2                 | 285                                | 1400                      | 145                      | 0.25                           | 0.8                           | 2                              | 6000             |
| KB4H/500 | 500                        | 133             | 122     | 35-65           | 42 | 15   | 51   | 62 | M12                           | 2.505 | 8.6                 | 690                                | 7790                      | 100                      | 0.2                            | 0.5                           | 1.5                            | 5000             |
|          |                            | 146             |         |                 |    |      |      | 75 | 145                           | 2.51  | 9.3                 | 320                                | 970                       | 85                       | 0.25                           | 1                             | 2                              | 5000             |

Material: Bellows - Stainless Steel  
Hubs - Aluminium

Temperature Range: -30° ~ 120° C

### Bellows Couplings



**Order Code: KB 4AL / 80 - 91 - 15 - 20 - S**

Type / Size

Length

Ø D1  
(H7)

Ø D2  
(H7)

Options

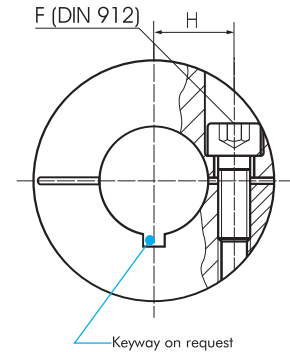
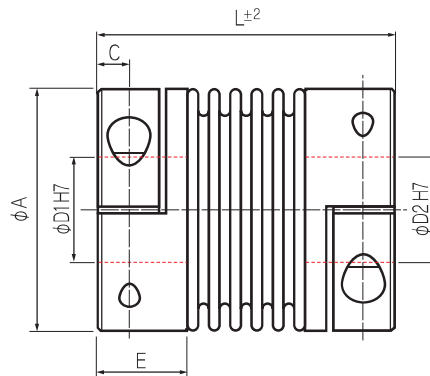
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Torque<br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><b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Aluminium Collet Clamps reduce mass and moment of inertia.

Material: Bellows - Stainless Steel  
Hubs - Aluminium

Temperature Range: -30° ~ 120° C

### Bellows Couplings - Compact Version



**Order Code: KB 4C / 60 - 89 - 12 - 32 - S**

Type / Size

Length

Ø D1  
(H7)

Ø D2  
(H7)

Options

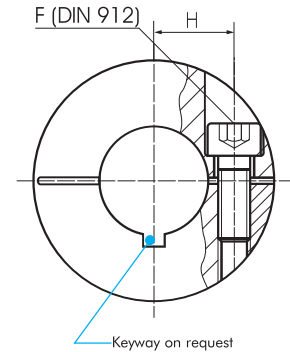
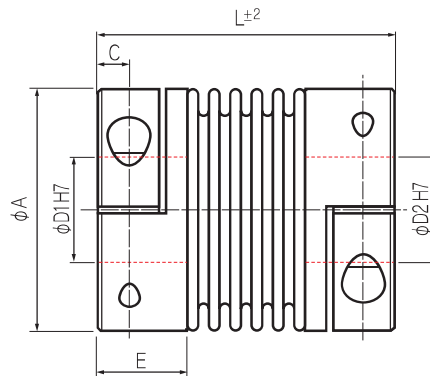
|          | Torque<br>$T_{KN}$<br>(Nm) | Dimensions (mm) |            |                    |    |      |      |                                           | Technical Ratings |                                                  |                                                         |                                    |                                   |                                   |                                  |                                   |                     |
|----------|----------------------------|-----------------|------------|--------------------|----|------|------|-------------------------------------------|-------------------|--------------------------------------------------|---------------------------------------------------------|------------------------------------|-----------------------------------|-----------------------------------|----------------------------------|-----------------------------------|---------------------|
|          |                            | L               | Ø A        | D1/D2              | H  | C    | E    | F                                         | Mass<br>(kg)      | Moment<br>of Inertia<br>J<br>(g m <sup>2</sup> ) | Spring Stiffness                                        |                                    |                                   | Misalignment                      |                                  |                                   | max<br>Speed<br>rpm |
|          |                            | Length<br>(±2)  | Outer<br>Ø | Bore Sizes<br>(H7) |    |      |      | Screw<br>(DIN 912)<br>T <sub>A</sub> (Nm) |                   |                                                  | torsional<br>C <sub>T</sub> 10 <sup>3</sup><br>(Nm/rad) | radial<br>C <sub>R</sub><br>(N/mm) | axial<br>C <sub>A</sub><br>(N/mm) | radial<br>ΔK <sub>r</sub><br>(mm) | axial<br>ΔK <sub>a</sub><br>(mm) | angular<br>ΔK <sub>w</sub><br>(°) |                     |
| KB4C/30  | 30                         | 58              | 56         | 10-30              | 20 | 7.3  | 21   | M6                                        | 0.26              | 0.13                                             | 38                                                      | 720                                | 50                                | 0.15                              | 0.6                              | 1.5                               | 10300               |
|          |                            | 66              |            |                    |    |      |      | 15                                        | 0.27              | 0.14                                             | 28                                                      | 225                                | 28                                | 0.25                              | 1                                | 2                                 |                     |
| KB4C/60  | 60                         | 67              | 66         | 12-35              | 24 | 8.6  | 24   | M8                                        | 0.38              | 0.28                                             | 75                                                      | 1150                               | 90                                | 0.15                              | 0.6                              | 1.5                               | 8700                |
|          |                            | 77              |            |                    |    |      |      | 40                                        | 0.42              | 0.31                                             | 50                                                      | 340                                | 50                                | 0.25                              | 1                                | 2                                 |                     |
| KB4C/80  | 80                         | 78              | 82         | 14-42              | 28 | 9.8  | 27   | M10                                       | 0.70              | 0.78                                             | 128                                                     | 1200                               | 80                                | 0.2                               | 0.5                              | 1.5                               | 6900                |
|          |                            | 89              |            |                    |    |      |      | 72                                        | 0.76              | 0.85                                             | 75                                                      | 400                                | 50                                | 0.25                              | 0.8                              | 2                                 |                     |
| KB4C/150 | 150                        | 78              | 82         | 19-42              | 28 | 9.8  | 27   | M10                                       | 0.73              | 0.82                                             | 155                                                     | 2020                               | 145                               | 0.2                               | 0.5                              | 1.5                               | 6900                |
|          |                            | 89              |            |                    |    |      |      | 84                                        | 0.80              | 0.89                                             | 105                                                     | 595                                | 85                                | 0.25                              | 0.5                              | 2                                 |                     |
| KB4C/200 | 200                        | 83              | 90         | 22-45              | 31 | 10.8 | 29   | M12                                       | 0.89              | 1.19                                             | 175                                                     | 2500                               | 145                               | 0.2                               | 0.5                              | 1.5                               | 6400                |
|          |                            | 94              |            |                    |    |      |      | 125                                       | 0.95              | 1.27                                             | 120                                                     | 460                                | 82                                | 0.25                              | 0.8                              | 2                                 |                     |
| KB4C/300 | 300                        | 94              | 110        | 30-60              | 39 | 11.8 | 32.5 | M12                                       | 1.37              | 2.74                                             | 502                                                     | 6300                               | 280                               | 0.2                               | 0.5                              | 1.5                               | 6000                |
|          |                            | 105             |            |                    |    |      |      | 145                                       | 1.43              | 2.86                                             | 285                                                     | 1400                               | 145                               | 0.25                              | 0.8                              | 2                                 |                     |
| KB4C/500 | 500                        | 100             | 122        | 35-70              | 45 | 13.3 | 36   | M12                                       | 1.81              | 4.45                                             | 690                                                     | 7790                               | 100                               | 0.2                               | 0.5                              | 1.5                               | 5000                |
|          |                            | 111             |            |                    |    |      |      | 145                                       | 1.91              | 4.69                                             | 320                                                     | 970                                | 85                                | 0.25                              | 1                                | 2                                 |                     |

Material: Bellows - Stainless Steel  
Hubs - Aluminium

Temperature Range: -30° ~ 120° C

### Bellows Couplings in Stainless Steel

with Collet Clamps



**Order Code: KB 4 / 60 - 89 - 12 - 32 - VA/VAW**

Type / Size

Length

Ø D1  
(H7)

Ø D2  
(H7)

Stainless Steel laserwelded  
Stainless Steel glued

|         | Torque<br>$T_{KN}$<br>(Nm) | Dimensions (mm) |            |                    |    |     |      |                                           | Technical Ratings |                                                  |                                                         |                                    |                                   |                                   |                                  |                                   |                     |
|---------|----------------------------|-----------------|------------|--------------------|----|-----|------|-------------------------------------------|-------------------|--------------------------------------------------|---------------------------------------------------------|------------------------------------|-----------------------------------|-----------------------------------|----------------------------------|-----------------------------------|---------------------|
|         |                            | L               | Ø A        | D1/D2              | H  | C   | E    | F                                         | Mass<br>(kg)      | Moment<br>of Inertia<br>J<br>(g m <sup>2</sup> ) | Spring Stiffness                                        |                                    |                                   | Misalignment                      |                                  |                                   | max<br>Speed<br>rpm |
|         |                            | Length<br>(±2)  | Outer<br>Ø | Bore Sizes<br>(H7) |    |     |      | Screw<br>(DIN 912)<br>T <sub>A</sub> (Nm) |                   |                                                  | torsional<br>C <sub>T</sub> 10 <sup>3</sup><br>(Nm/rad) | radial<br>C <sub>R</sub><br>(N/mm) | axial<br>C <sub>A</sub><br>(N/mm) | radial<br>ΔK <sub>r</sub><br>(mm) | axial<br>ΔK <sub>a</sub><br>(mm) | angular<br>ΔK <sub>w</sub><br>(°) |                     |
| KB4/18  | 18                         | 63              | 45         | 10-25.4            | 17 | 5.5 | 19.5 | M5                                        | 0.27              | 0.11                                             | 20                                                      | 205                                | 50                                | 0.2                               | 0.5                              | 1.5                               | 12800               |
|         |                            | 71              |            |                    |    |     |      | 8                                         | 0.41              | 0.14                                             | 15                                                      | 82                                 | 36                                | 0.25                              | 0.5                              | 2                                 | 12800               |
| KB4/30  | 30                         | 65              | 56         | 10-30              | 20 | 7.5 | 24.5 | M6                                        | 0.83              | 0.41                                             | 38                                                      | 720                                | 50                                | 0.15                              | 0.6                              | 1.5                               | 10300               |
|         |                            | 73              |            |                    |    |     |      | 15                                        | 0.89              | 0.44                                             | 28                                                      | 225                                | 28                                | 0.25                              | 1                                | 2                                 | 10300               |
| KB4/60  | 60                         | 79              | 66         | 12-32              | 23 | 10  | 29   | M8                                        | 1.4               | 0.91                                             | 75                                                      | 1150                               | 90                                | 0.15                              | 0.6                              | 1.5                               | 8700                |
|         |                            | 89              |            |                    |    |     |      | 40                                        | 1.7               | 1.00                                             | 50                                                      | 340                                | 50                                | 0.25                              | 1                                | 2                                 | 8700                |
| KB4/80  | 80                         | 91              | 82         | 14-42              | 28 | 11  | 33.5 | M10                                       | 2.3               | 2                                                | 128                                                     | 1200                               | 80                                | 0.2                               | 0.5                              | 1.5                               | 6900                |
|         |                            | 102             |            |                    |    |     |      | 72                                        | 2.4               | 2.1                                              | 75                                                      | 400                                | 50                                | 0.25                              | 0.8                              | 2                                 | 6900                |
| KB4/150 | 150                        | 91              | 82         | 19-42              | 28 | 11  | 33.5 | M10                                       | 2.3               | 2                                                | 155                                                     | 2020                               | 145                               | 0.2                               | 0.5                              | 1.5                               | 6900                |
|         |                            | 102             |            |                    |    |     |      | 84                                        | 2.4               | 2.1                                              | 105                                                     | 595                                | 85                                | 0.25                              | 0.5                              | 2                                 | 6900                |
| KB4/200 | 200                        | 101             | 90         | 22-45              | 31 | 13  | 38   | M12                                       | 2.6               | 3.3                                              | 175                                                     | 2500                               | 145                               | 0.2                               | 0.5                              | 1.5                               | 6400                |
|         |                            | 113             |            |                    |    |     |      | 125                                       | 2.7               | 3.5                                              | 120                                                     | 460                                | 82                                | 0.25                              | 0.8                              | 2                                 | 6400                |
| KB4/300 | 300                        | 105             | 110        | 30-60              | 40 | 13  | 38   | M12                                       | 3.6               | 7.3                                              | 502                                                     | 6300                               | 280                               | 0.2                               | 0.5                              | 1.5                               | 6000                |
|         |                            | 116             |            |                    |    |     |      | 145                                       | 3.7               | 7.5                                              | 285                                                     | 1400                               | 145                               | 0.25                              | 0.8                              | 2                                 | 6000                |
| KB4/500 | 500                        | 112             | 122        | 35-70              | 42 | 15  | 42   | M12                                       | 5.1               | 12.4                                             | 690                                                     | 7790                               | 100                               | 0.2                               | 0.5                              | 1.5                               | 5000                |
|         |                            | 123             |            |                    |    |     |      | 145                                       | 5.2               | 12.7                                             | 320                                                     | 970                                | 85                                | 0.25                              | 1                                | 2                                 | 5000                |

- Material: Bellows - high Tensile Stainless Steel  
Hubs - Stainless Steel
- Temperature Range: VA -30° ~ 120° (glued)  
VAW -30° ~ 250° (laser-beam-welded)

- Version VA: Stainless Steel glued  
Version VAW: Stainless Steel laser-beam-welded
- Hubs: Keyway acc. DIN 6885 optional