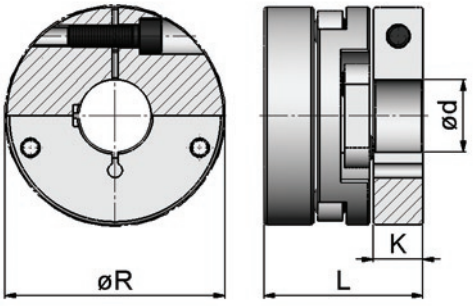
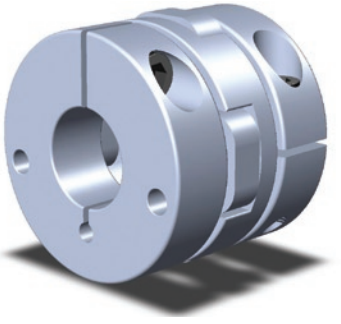


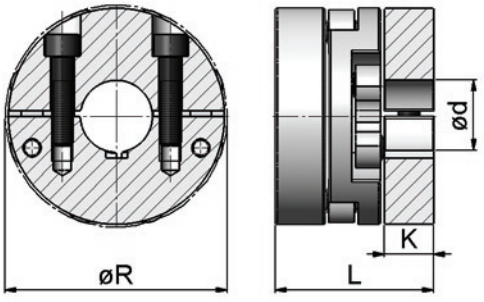
**Hub version 1: clamp hub**

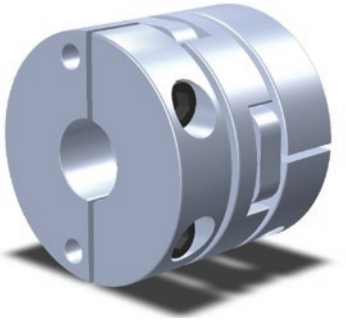
| | $T_{KN}$ (Nm) | $TK_{max}$ (Nm) | $n_{max}$ (1/min) | $\Delta K_r$ (mm) | $\Delta K_a$ (mm) | $\Delta K_w$ (°) | $C_T$ (kNm/rad) | J (kg cm²) | m (kg) | ØR (mm) | L (mm) | K (mm) | $Ød_{max}$ (mm) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C 70 | 69 | 112 | 3.400 | 1 | 1 | 1 | 13 | 8,9 | 1,1 | 72 | 59 | 20 | 35 |
| C 230 | 230 | 460 | 2.300 | 1,6 | 1 | 1 | 53 | 36,8 | 3 | 94 | 88 | 27,5 | 44 |
| C 265 | 265 | 530 | 2.200 | 1,6 | 1 | 1 | 61 | 54,2 | 3,4 | 104 | 88 | 27,5 | 50 |
| C 320 | 316 | 635 | 2.000 | 3 | 1 | 1 | 73 | 104,8 | 4,2 | 124 | 88 | 27,5 | 70 |
| C 575 | 575 | 1.220 | 1.700 | 2,4 | 1 | 1 | 140 | 155 | 6,9 | 120 | 120,5 | 38 | 60 |

Order Example 1: C 70.11 Ø25 Ø25  Order Example 2: C 320.11 Ø38 Ø40

| C 320 | 11 | Ø38 Ø40 |
|---|---|---|
| Type Semiflex® Compact Plus C 320 | both sides clamp hub | bore diameters |

To ensure the correct selection of the Semiflex® please use the TD Calculator of the column Semiflex® or please use our selection procedure and legend area to dowload the required information.



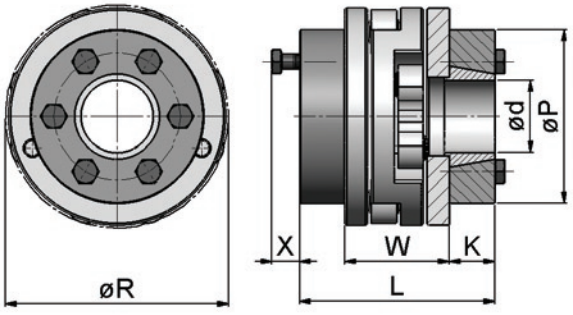
**Hub version 2: split-clamp hub**

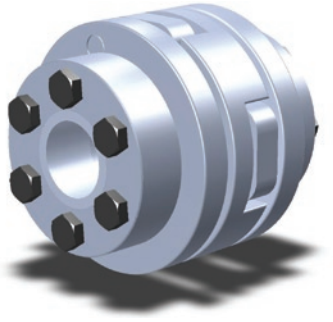
| | $T_{KN}$ (Nm) | $T_{K\,max}$ (Nm) | $n_{max}$ (1/min) | $\Delta K_r$ (mm) | $\Delta K_a$ (mm) | $\Delta K_w$ (°) | $C_T$ (kNm/rad) | J (kg cm²) | m (kg) | ØR (mm) | L (mm) | K (mm) | $Ød_{max}$ (mm) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C 70 | 69 | 112 | 3.400 | 1 | 1 | 1 | 13 | 8,9 | 1,1 | 72 | 59 | 20 | 25 |
| C 230 | 230 | 460 | 2.300 | 1,6 | 1 | 1 | 53 | 36,8 | 3 | 94 | 88 | 27,5 | 30 |
| C 265 | 265 | 530 | 2.200 | 1,6 | 1 | 1 | 61 | 54,2 | 3,4 | 104 | 88 | 27,5 | 35 |
| C 320 | 316 | 635 | 2.000 | 3 | 1 | 1 | 73 | 104,8 | 4,2 | 124 | 88 | 27,5 | 45 |
| C 575 | 575 | 1.220 | 1.700 | 2,4 | 1 | 1 | 140 | 155 | 6,9 | 120 | 120,5 | 38 | 35 |

Order Example 1: C 70.22 Ø20 Ø20  Order Example 2: C 320.22 Ø38 Ø40

| | | |
|---|---|---|
| C 320 | 22 | Ø38 Ø40 |
| Type Semiflex® Compact Plus C 320 | both sides split-clamp hub | bore diameters |

To ensure the correct selection of the Semiflex® please use the TD Calculator of the column Semiflex® or please use our selection procedure and legend area to dowload the required information.



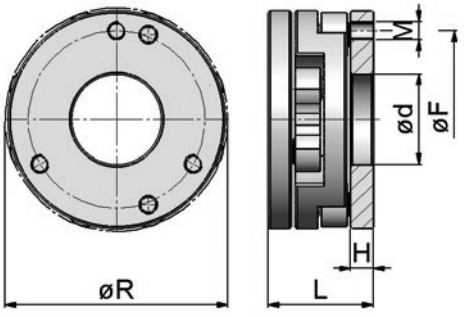
**Hub version 3: locking-assembly**

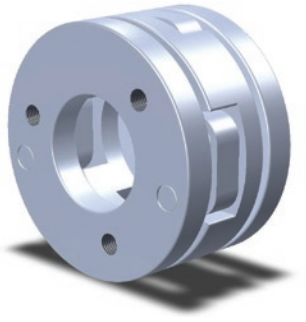
| | $T_{KN}$ (Nm) | $T_{K\,max}$ (Nm) | $n_{max}$ (1/min) | $\Delta K_r$ (mm) | $\Delta K_a$ (mm) | $\Delta K_w$ (°) | $C_T$ (kNm/rad) | J (kg cm²) | m (kg) | ØR (mm) | L (mm) | X (mm) . | W (mm) | K (mm) | ØP (mm) | standard bore diameters (mm) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C 230 | 230 | 460 | 2.300 | 1,6 | 1 | 1 | 53 | 34,3 | 3,2 | 94 | 100 | 15 | 58 | 21 | 76 | 25, 28, 30 |
| C 265 | 265 | 530 | 2.200 | 1,6 | 1 | 1 | 61 | 41,2 | 3,4 | 104 | 100 | 15 | 58 | 21 | 66 | 25, 28, 30 |
| C 320 | 316 | 635 | 2.000 | 3 | 1 | 1 | 73 | 81,5 | 4,6 | 124 | 100 | 15 | 58 | 21 | 76 | 25, 28, 30 |
| C 575 | 575 | 1.220 | 1.700 | 2,4 | 1 | 1 | 140 | 134 | 7,2 | 120 | 128,5 | 17 | 78,5 | 25 | 96 | 30, 32, 35, 40 |
| C 725 | 725 | 1.530 | 1.600 | 2,4 | 1 | 1 | 175 | 270 | 10,5 | 140 | 138,5 | 23 | 78,5 | 30 | 115 | 42, 45, 50 |
| C 830 | 828 | 1.755 | 1.500 | 4 | 1 | 1 | 201 | 381 | 12 | 160 | 138,5 | 23 | 78,5 | 30 | 115 | 42, 45, 50 |
| C 1370 | 1.370 | 3.340 | 1.300 | 3 | 1 | 0,8 | 383 | 530 | 16 | 163 | 170 | 23 | 110 | 30 | 115 | 42, 45, 50 |
| C 1580 | 1.580 | 3.845 | 1.200 | 4 | 1 | 0,8 | 441 | 835 | 19,5 | 183 | 178 | 24 | 110 | 34 | 120 | 50, 55, 60 |
| C 2390 | 2.390 | 5.855 | 1.100 | 3,2 | 1 | 0,7 | 671 | 1.195 | 27 | 183 | 207 | 30 | 127 | 40 | 155 | 60, 65, 70 |
| C 2700 | 2.700 | 6.600 | 1.000 | 4,4 | 1 | 0,5 | 756 | 1.600 | 30,5 | 203 | 207 | 30 | 127 | 40 | 155 | 60, 65, 70 |
| C 5620 | 5.620 | 15.050 | 900 | 5,4 | 2 | 0,5 | 1.725 | 4.250 | 51,5 | 250 | 240 | 31 | 152 | 44 | 170 | 70, 75, 80 |
| C 7040 | 7.040 | 18.840 | 800 | 6,6 | 2 | 0,3 | 2.159 | 8.900 | 75,5 | 300 | 252 | 30 | 152 | 50 | 185 | 80, 85, 90 |

Order Example 1: C 70.33 Ø20 Ø25  Order Example 2: C 320.33 Ø30 Ø30

| C 320 | 33 | Ø30 Ø30 |
|---|---|---|
| Type Semiflex® Compact Plus C 320 | both sides locking-assembly | bore diameters |

To ensure the correct selection of the Semiflex® please use the TD Calculator of the column Semiflex® or please use our selection procedure and legend area to dowload the required information.



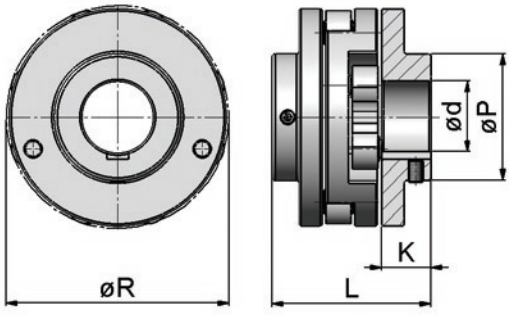
**Hub version 5: flange-mounting**

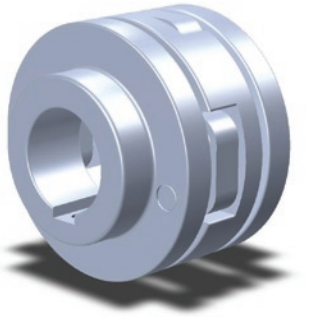
| | $T_{KN}$ (Nm) | $T_{K\,max}$ (Nm) | $n_{max}$ (1/min) | $\Delta K_r$ (mm) | $\Delta K_a$ (mm) | $\Delta K_w$ (°) | $C_T$ (kNm/rad) | J (kg cm²) | m (kg) | ØR (mm) | L (mm) | H (mm) | ØF (mm) | M |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C 70 | 69 | 112 | 3.400 | 1 | 1 | 1 | 13 | 5 | 0,7 | 72 | 35 | 8 | 56 | 3xM6 |
| C 230 | 230 | 460 | 2.300 | 1,6 | 1 | 1 | 53 | 22 | 1,8 | 94 | 58 | 12,5 | 70 | 3xM10 |
| C 265 | 265 | 530 | 2.200 | 1,6 | 1 | 1 | 61 | 34 | 2,2 | 104 | 58 | 12,5 | 70 | 3xM10 |
| C 320 | 316 | 635 | 2.000 | 3 | 1 | 1 | 73 | 68 | 3,1 | 124 | 58 | 12,5 | 98 | 3xM10 |
| C 575 | 575 | 1.220 | 1.700 | 2,4 | 1 | 1 | 140 | 99 | 4,8 | 120 | 78,5 | 17 | 90 | 3xM16 |
| C 725 | 725 | 1.530 | 1.600 | 2,4 | 1 | 1 | 175 | 187 | 6,5 | 140 | 78,5 | 17 | 110 | 3xM16 |
| C 830 | 828 | 1.755 | 1.500 | 4 | 1 | 1 | 201 | 292 | 7,6 | 160 | 78,5 | 17 | 120 | 3xM16 |
| C 1370 | 1.370 | 3.340 | 1.300 | 3 | 1 | 0,8 | 383 | 434 | 12 | 163 | 110 | 26 | 120 | 3xM20 |
| C 1580 | 1.580 | 3.845 | 1.200 | 4 | 1 | 0,8 | 441 | 703 | 15 | 183 | 110 | 26 | 140 | 3xM20 |
| C 2390 | 2.390 | 5.855 | 1.100 | 3,2 | 1 | 0,7 | 671 | 851 | 18 | 183 | 127 | 31 | 135 | 5xM20 |
| C 2700 | 2.700 | 6.600 | 1.000 | 4,4 | 1 | 0,5 | 756 | 1.299 | 22 | 203 | 127 | 31 | 150 | 5xM20 |
| C 5620 | 5.620 | 15.050 | 900 | 5,4 | 2 | 0,5 | 1.725 | 3.499 | 37 | 250 | 152 | 33 | 200 | 5xM24 |
| C 7040 | 7.040 | 18.840 | 800 | 6,6 | 2 | 0,3 | 2.159 | 7.064 | 47 | 300 | 152 | 33 | 250 | 5xM24 |

Order Example 1: C 70.55  Order Example 2: C 575.55

| | |
|---|---|
| C 575 | 55 |
| Type Semiflex® Compact Plus C 575 | both sides flange-mounting |

To ensure the correct selection of the Semiflex® please use the TD Calculator of the column Semiflex® or please use our selection procedure and legend area to dowload the required information.



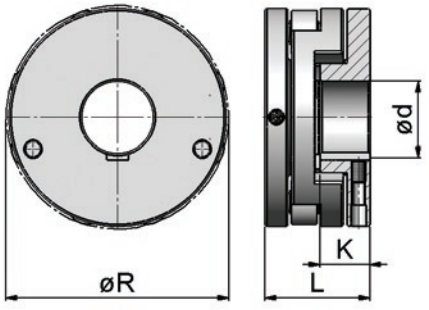
**Hub version 6: standard hub**

| | $T_{KN}$ (Nm) | $T_{K\,max}$ (Nm) | $n_{max}$ (1/min) | $\Delta K_r$ (mm) | $\Delta K_a$ (mm) | $\Delta K_w$ (°) | $C_T$ (kNm/rad) | J (kg cm²) | m (kg) | ØR (mm) | L (mm) | Ød $_{max}$ (mm) | ØP (mm) | K (mm) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C 70 | 69 | 112 | 3.400 | 1 | 1 | 1 | 13 | 8,9 | 1,1 | 72 | 59 | 40 | 70 | 20 |
| C 230 | 230 | 460 | 2.300 | 1,6 | 1 | 1 | 53 | 25,4 | 2,3 | 94 | 88 | 40 | 56 | 27,5 |
| C 265 | 265 | 530 | 2.200 | 1,6 | 1 | 1 | 61 | 37,2 | 2,6 | 104 | 88 | 50 | 65 | 27,5 |
| C 320 | 316 | 635 | 2.000 | 3 | 1 | 1 | 73 | 73,9 | 3,5 | 124 | 88 | 50 | 70 | 27,5 |
| C 575 | 575 | 1.220 | 1.700 | 2,4 | 1 | 1 | 140 | 108 | 6,6 | 120 | 120,5 | 45 | 70 | 38 |
| C 725 | 725 | 1.530 | 1.600 | 2,4 | 1 | 1 | 175 | 205 | 7,7 | 140 | 126,5 | 55 | 85 | 41 |
| C 830 | 828 | 1.755 | 1.500 | 4 | 1 | 1 | 201 | 324 | 9,5 | 160 | 140,5 | 60 | 90 | 48 |
| C 1370 | 1.370 | 3.340 | 1.300 | 3 | 1 | 0,8 | 383 | 460 | 13 | 163 | 146 | 60 | 90 | 44 |
| C 1580 | 1.580 | 3.845 | 1.200 | 4 | 1 | 0,8 | 441 | 755 | 17 | 183 | 158 | 60 | 90 | 50 |
| C 2390 | 2.390 | 5.855 | 1.100 | 3,2 | 1 | 0,7 | 671 | 910 | 20 | 183 | 167 | 60 | 90 | 51 |
| C 2700 | 2.700 | 6.600 | 1.000 | 4,4 | 1 | 0,5 | 756 | 1.340 | 24 | 203 | 177 | 65 | 95 | 56 |
| C 5620 | 5.620 | 15.050 | 900 | 5,4 | 2 | 0,5 | 1.725 | 3.800 | 43,5 | 250 | 222 | 80 | 120 | 68 |
| C 7040 | 7.040 | 18.840 | 800 | 6,6 | 2 | 0,3 | 2.159 | 8.550 | 71,5 | 300 | 278 | 100 | 160 | 96 |

Order Example 1: C 70.66 Ø25 Ø25  Order Example 2: C 320.66 Ø38 Ø40

| C 320 | 66 | Ø38 Ø40 |
|---|---|---|
| Type Semiflex® Compact Plus C 320 | both sides standard hub | bore diameters |

To ensure the correct selection of the Semiflex® please use the TD Calculator of the column Semiflex® or please use our selection procedure and legend area to dowload the required information.




**Hub version 7: internal hub**

| | $T_{KN}$ (Nm) | $T_{K\,max}$ (Nm) | $n_{max}$ (1/min) | $\Delta K_r$ (mm) | $\Delta K_a$ (mm) | $\Delta K_w$ (°) | $C_T$ (kNm/rad) | J (kg cm²) | m (kg) | ØR (mm) | L (mm) | K (mm) | Ød $_{max}$ (mm) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C 230 | 230 | 460 | 2.300 | 1,6 | 1 | 1 | 53 | 24,3 | 2,2 | 94 | 58 | 27,5 | 25 |
| C 265 | 265 | 530 | 2.200 | 1,6 | 1 | 1 | 61 | 36,6 | 2,7 | 104 | 58 | 27,5 | 35 |
| C 320 | 316 | 635 | 2.000 | 3 | 1 | 1 | 73 | 72,9 | 3,5 | 124 | 58 | 27,5 | 45 |
| C 575 | 575 | 1.220 | 1.700 | 2,4 | 1 | 1 | 140 | 104 | 5,4 | 120 | 78,5 | 38 | 30 |
| C 1370 | 1.370 | 3.340 | 1.300 | 3 | 1 | 0,8 | 383 | 455 | 13,5 | 163 | 110 | 44 | 40 |
| C 1580 | 1.580 | 3.845 | 1.200 | 4 | 1 | 0,8 | 441 | 745 | 16,5 | 183 | 110 | 50 | 60 |
| C 2700 | 2.700 | 6.600 | 1.000 | 4,4 | 1 | 0,5 | 756 | 1.330 | 23,5 | 203 | 127 | 56 | 70 |
| C 5620 | 5.620 | 15.050 | 900 | 5,4 | 2 | 0,5 | 1.725 | 3.775 | 42 | 250 | 152 | 68 | 90 |

Order Example 1: C 265.77 Ø25 Ø25  Order Example 2: C 725.77 Ø35 Ø35

| | | |
|---|---|---|
| C 725 | 77 | Ø35 Ø35 |
| Type Semiflex® Compact Plus C 725 | both sides internal hub | bore diameters |

To ensure the correct selection of the Semiflex® please use the TD Calculator of the column Semiflex® or please use our selection procedure and legend area to dowload the required information.

1. Calculation of the design torque. Please multiply your continuos torque by the required performance factor (table 1) and the required service factor (table 2) to get the design torque.

Table 1: performance factor

| speed range 1/min | service life (h) | performance factor |
|---|---|---|
| 0-500 | 5.000 | 1,8 |
| 0-500 | 10.000 | 2,3 |
| 0-500 | 20.000 | 2,8 |
| 500-1.000 | 5.000 | 2,3 |
| 500-1.000 | 10.000 | 2,8 |
| 500-1.000 | 20.000 | 3,5 |
| 1.000-2.000 | 5.000 | 2,8 |
| 1.000-2.000 | 10.000 | 3,6 |
| 1.000-2.000 | 20.000 | 4,4 |
| 2.000-3.000 | 5.000 | 3,2 |
| 2.000-3.000 | 10.000 | 4 |
| 2.000-3.000 | 20.000 | 4,8 |

Table 2: service factor

| | |
|---|---|
| uniform | 1 |
| light shocks | 1,5 |
| medium shocks | 2 |
| heavy shocks | 2,5 |

2. Select a coupling size that has a continuos torque rating grater than your calculated design torque.
3. Make sure that the peak torque of the application does not exceed the maximum torque rating of the coupling.
4. Please check the coupling maximum speed to be sure it is within the rated maximum speed.
5. Make sure that the misalignment capability is sufficient. There is a trade-off between the radial, axial and angular misalignment capabilities. Be certain that the combined percentages of each do not exceed 100%.

## Legend

### Performance

| | |
|---|---|
| $T_{KN}$ | continuous torque rating of the coupling (Nm) |
| $T_{K\,max}$ | maximum torque capacity of the coupling (Nm) |
| $n_{max}$ | maximum speed of the coupling (1/min) |
| $\Delta K_r$ | maximum radial misalignment capacity (mm) |
| $\Delta K_a$ | maximum axial misalignment capacity (mm) |
| $\Delta K_w$ | maximum angular misalignment capacity (°) |
| $C_T$ | torsional stiffness (kNm/rad) |
| J | moment of inertia (kg cm²) |
| m | weight of the coupling (kg) |

### Dimension

| | |
|---|---|
| ØR | swing diameter (mm) |
| H | disc thickness (mm) |
| L | coupling length (mm) |
| ØP | hub diameter (mm) |
| K | total hub length (mm) |
| X | mounting space (mm) |
| W | coupling basis (mm) |
| ØF | bolt circle diameter (mm) |
| M | number of threaded bores x bolt size |
| Ød | bore diameter (mm) |