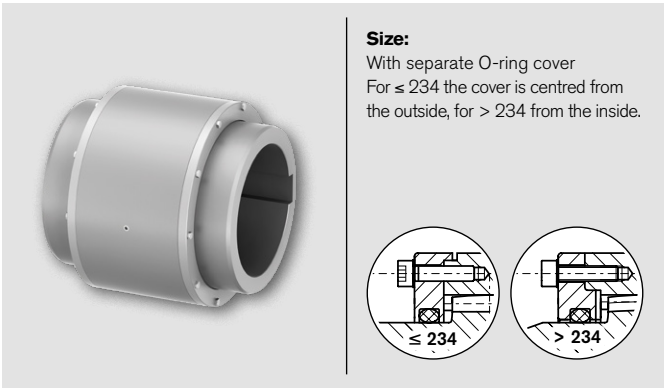
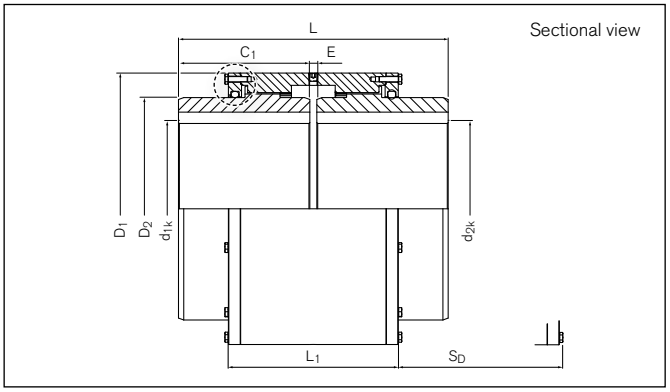
# Gear Couplings
# RINGFEDER® TNZ ZCH
## Standard hubs with one-piece casing



**Size:**
With separate O-ring cover
For ≤ 234 the cover is centred from the outside, for > 234 from the inside.




| Identifier | Size | $T_{KN}$ | $T_{Kmax}$ | $n_{max}$ | $d_{1k}$ min-max | $d_{2k}$ min-max | $D_1$ | $D_2$ |
|---|---|---|---|---|---|---|---|---|
| ZCH | | Nm | Nm | 1/min | mm | mm | mm | mm |
| XC0106 | 69 | 1750 | 3500 | 6000 | 12 - 50 | 12 - 50 | 98 | 69 |
| XC0108 | 85 | 2750 | 5500 | 4600 | 18 - 60 | 18 - 60 | 115 | 85 |
| XC0110 | 107 | 5500 | 11000 | 4200 | 28 - 75 | 28 - 75 | 145 | 107 |
| XC0113 | 133 | 8500 | 17000 | 4000 | 40 - 95 | 40 - 95 | 176 | 133 |
| XC0115 | 152 | 13500 | 27000 | 3850 | 50 - 110 | 50 - 110 | 196 | 152 |
| XC0117 | 179 | 22000 | 44000 | 3700 | 60 - 130 | 60 - 130 | 225 | 179 |
| XC0120 | 209 | 35000 | 70000 | 3200 | 70 - 155 | 70 - 155 | 256 | 209 |
| XC0123 | 234 | 43000 | 86000 | 2900 | 85 - 170 | 85 - 170 | 286 | 234 |
| XC0125 | 254 | 68000 | 136000 | 2600 | 95 - 190 | 95 - 190 | 310 | 254 |
| XC0127 | 279 | 82000 | 164000 | 2300 | 110 - 210 | 110 - 210 | 345 | 279 |
| XC0130 | 305 | 150000 | 300000 | 2100 | 120 - 230 | 120 - 230 | 375 | 305 |
| XC0135 | 355 | 195000 | 390000 | 1800 | 130 - 270 | 130 - 270 | 430 | 355 |

| Identifier | Size | $C_1$ | E | L | $L_1$ | $S_D$ | $\Delta K_r$ | $\Delta K_w$ | J | $V_{GR}$ | $Gw_{sb}$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| ZCH | | mm | mm | mm | mm | mm | mm | degree | $10^{-3}kgm^2$ | $dm^3$ | kg |
| XC0106 | 69 | 43 | 3 | 89 | 76 | 30 | 0,42 | 2 x 0,5 | 6 | 0,07 | 4,6 |
| XC0108 | 85 | 50 | 3 | 103 | 83 | 37 | 0,51 | 2 x 0,5 | 11 | 0,08 | 7,0 |
| XC0110 | 107 | 62 | 3 | 127 | 94 | 48 | 0,66 | 2 x 0,5 | 33 | 0,13 | 13,3 |
| XC0113 | 133 | 76 | 5 | 157 | 123 | 56 | 0,77 | 2 x 0,5 | 93 | 0,22 | 24,5 |
| XC0115 | 152 | 90 | 5 | 185 | 127 | 70 | 0,99 | 2 x 0,5 | 155 | 0,38 | 33,8 |
| XC0117 | 179 | 105 | 6 | 216 | 144 | 79 | 1,15 | 2 x 0,5 | 327 | 0,58 | 50,5 |
| XC0120 | 209 | 120 | 6 | 246 | 160 | 92 | 1,33 | 2 x 0,5 | 595 | 0,75 | 75,9 |
| XC0123 | 234 | 135 | 8 | 278 | 178 | 103 | 1,50 | 2 x 0,5 | 1040 | 1,25 | 104,7 |
| XC0125 | 254 | 150 | 8 | 308 | 194 | 120 | 1,75 | 2 x 0,5 | 1551 | 1,92 | 131,7 |
| XC0127 | 279 | 175 | 8 | 358 | 220 | 136 | 1,99 | 2 x 0,5 | 2713 | 2,67 | 185,4 |
| XC0130 | 305 | 190 | 8 | 388 | 234 | 148 | 2,16 | 2 x 0,5 | 4071 | 3,33 | 236,6 |
| XC0135 | 355 | 220 | 10 | 450 | 264 | 174 | 2,16 | 2 x 0,5 | 8208 | 5,00 | 368,0 |

- Examine the load capacity of the shaft-hub connection
- Hubs pilot bored, bore diameter 2 mm smaller than smallest finish bore diameter

**To continue see next page**

# Gear Couplings RINGFEDER® TNZ ZCH

## Explanation

| | | | | | |
|---|---|---|---|---|---|
| $T_{KN}$ | = Nom. Transmissible torque | $D_1$ | = Outer diameter | $S_D$ | = Disassembly Space |
| $T_{Kmax}$ | = Max. transmissible torque of the coupling | $D_2$ | = Outer diameter hub | $\Delta K_r$ | = Max. permissible radial misalignment |
| $n_{max}$ | = Max. rotation speed | $C_1$ | = Guided length in hub bore | $\Delta K_w$ | = Max. permissible angular misalignment |
| $d_{1kmin};d_{2kmin}$ | = Min. bore diameter $d_1/d_2$ with keyway acc. to DIN 6885-1 | E | = Gap width between left and right component | J | = Total moment of inertia |
| $d_{1kmax};d_{2kmax}$ | = Max. bore diameter $d_1/d_2$ with keyway acc. to DIN 6885-1 | L | = Total length | $V_{GR}$ | = Grease volume |
| | | $L_1$ | = Overall length (without screws) | $Gw_{sb}$ | = Weight at smallest bore diameter |

## Ordering example

| Identifier | Size | $d_{1k}$ | $d_{2k}$ | Further details |
|---|---|---|---|---|
| XC0120 | 209 | 140 | 155 | * |

*) Without any other specification, we deliver as a standard: keyway acc. to DIN 6885-1, keyway side fit P9, bore tolerance H7; optional with set screw

Further information on
**RINGFEDER® TNZ ZCH**
on **www.ringfeder.com**

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