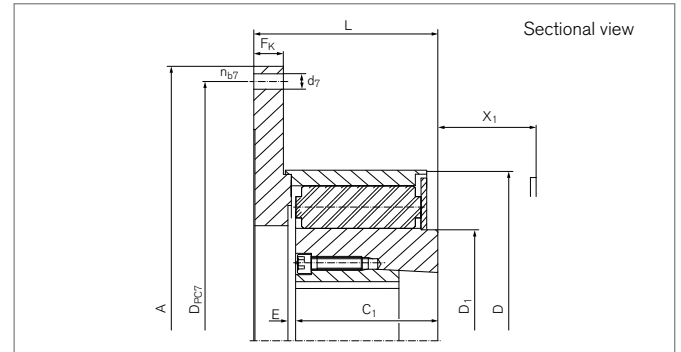


Torsional Highflex Couplings

RINGFEDER® TNR 2425.1

Single-row, SAE flange-shaft connections with taper clamping bush



| Size | Taper bushing | SAE size | A | D _{PC7} | d ₇ | n _{b7} | D | D ₁ | C ₁ |
|--------------|---------------|----------|-------|------------------|----------------|-----------------|-----|----------------|----------------|
| | | | mm | mm | mm | | mm | mm | mm |
| 120.1 - 06.5 | 1615 | 6,5 | 215,9 | 200,0 | 9,5 | 6 | 120 | 73 | 52,0 |
| 120.1 - 07.5 | 1615 | 7,5 | 241,3 | 222,3 | 9,5 | 8 | 120 | 73 | 52,0 |
| 120.1 - 08.0 | 1615 | 8,0 | 263,5 | 244,5 | 11,0 | 6 | 120 | 73 | 52,0 |
| 120.1 - 10.0 | 1615 | 10,0 | 314,3 | 295,3 | 11,0 | 8 | 120 | 73 | 52,0 |
| 160.1 - 06.5 | 2012 | 6,5 | 215,9 | 200,0 | 9,5 | 6 | 160 | 100 | 64,0 |
| 160.1 - 07.5 | 2012 | 7,5 | 241,3 | 222,3 | 9,5 | 8 | 160 | 100 | 64,0 |
| 160.1 - 08.0 | 2012 | 8,0 | 263,5 | 244,5 | 11,0 | 6 | 160 | 100 | 64,0 |
| 160.1 - 10.0 | 2012 | 10,0 | 314,3 | 295,3 | 11,0 | 8 | 160 | 100 | 64,0 |
| 200.1 - 07.5 | 2517 | 7,5 | 222,3 | 213,3 | 9,5 | 8 | 200 | 129 | 80,0 |
| 200.1 - 08.0 | 2517 | 8,0 | 263,5 | 244,5 | 11,0 | 6 | 200 | 129 | 80,0 |
| 200.1 - 10.0 | 2517 | 10,0 | 314,3 | 295,3 | 11,0 | 8 | 200 | 129 | 80,0 |
| 200.1 - 11.5 | 2517 | 11,5 | 352,4 | 333,7 | 11,0 | 8 | 200 | 129 | 80,0 |
| 260.1 - 10.0 | 3535 | 10,0 | 314,3 | 295,3 | 11,0 | 8 | 260 | 165 | 100,0 |
| 260.1 - 11.5 | 3535 | 11,5 | 352,4 | 333,7 | 11,0 | 8 | 260 | 165 | 100,0 |
| 260.1 - 14.0 | 3535 | 14,0 | 466,7 | 438,2 | 14,5 | 8 | 260 | 165 | 100,0 |
| 260.1 - 16.0 | 3535 | 16,0 | 517,5 | 489,0 | 14,5 | 8 | 260 | 165 | 100,0 |
| 320.1 - 14.0 | 4040 | 14,0 | 466,7 | 438,2 | 14,5 | 8 | 320 | 208 | 125,0 |
| 320.1 - 16.0 | 4040 | 16,0 | 517,5 | 489,0 | 14,5 | 8 | 320 | 208 | 125,0 |
| 320.1 - 18.0 | 4040 | 18,0 | 571,5 | 542,9 | 18,0 | 6 | 320 | 208 | 125,0 |
| 400.1 - 16.0 | 5050 | 16,0 | 517,5 | 489,0 | 14,5 | 8 | 400 | 268 | 156,0 |
| 400.1 - 18.0 | 5050 | 18,0 | 571,5 | 542,9 | 18,0 | 6 | 400 | 268 | 156,0 |
| 400.1 - 21.0 | 5050 | 21,0 | 673,1 | 641,4 | 18,0 | 12 | 400 | 268 | 156,0 |
| 400.1 - 24.0 | 5050 | 24,0 | 733,4 | 692,2 | 22,0 | 12 | 400 | 268 | 156,0 |

Taper bushing bore see chapter „Ordering example“ in Product Paper & Tech Paper „RINGFEDER® Torsional Highflex Couplings“

To continue see next page

Torsional Highflex Couplings RINGFEDER® TNR 2425.1

| Size | L | E | F _E | F _K | X ₁ | J _F | J _N ¹⁾ | G _{wub} ¹⁾ |
|--------------|-----|-----|----------------|----------------|----------------|-----------------------------------|-----------------------------------|--------------------------------|
| | mm | mm | mm | mm | mm | 10 ⁻³ kgm ² | 10 ⁻³ kgm ² | kg |
| 120.1 - 06.5 | 71 | 4,0 | +/- 1,0 | 13 | 41 | 6 | 1,4 | 2,8 |
| 120.1 - 07.5 | 71 | 4,0 | +/- 1,0 | 13 | 41 | 9 | 1,4 | 3,1 |
| 120.1 - 08.0 | 71 | 4,0 | +/- 1,0 | 13 | 41 | 12 | 1,4 | 3,4 |
| 120.1 - 10.0 | 71 | 4,0 | +/- 1,0 | 13 | 41 | 26 | 1,4 | 4,1 |
| 160.1 - 06.5 | 84 | 4,0 | +/- 1,0 | 15 | 50 | 9 | 7,6 | 5,3 |
| 160.1 - 07.5 | 84 | 4,0 | +/- 1,0 | 15 | 50 | 12 | 7,6 | 5,6 |
| 160.1 - 08.0 | 84 | 4,0 | +/- 1,0 | 15 | 50 | 16 | 7,6 | 5,9 |
| 160.1 - 10.0 | 84 | 4,0 | +/- 1,0 | 15 | 50 | 31 | 7,6 | 6,8 |
| 200.1 - 07.5 | 104 | 5,0 | +/- 1,5 | 18 | 64 | 23 | 24 | 10,2 |
| 200.1 - 08.0 | 104 | 5,0 | +/- 1,5 | 18 | 64 | 28 | 24 | 10,6 |
| 200.1 - 10.0 | 104 | 5,0 | +/- 1,5 | 18 | 64 | 45 | 24 | 11,6 |
| 200.1 - 11.5 | 104 | 5,0 | +/- 1,5 | 18 | 64 | 66 | 24 | 12,6 |
| 260.1 - 10.0 | 132 | 6,0 | +/- 1,5 | 24 | 80 | 92 | 80 | 20,3 |
| 260.1 - 11.5 | 132 | 6,0 | +/- 1,5 | 24 | 80 | 118 | 80 | 21,5 |
| 260.1 - 14.0 | 132 | 6,0 | +/- 1,5 | 24 | 80 | 260 | 80 | 25,6 |
| 260.1 - 16.0 | 132 | 6,0 | +/- 1,5 | 24 | 80 | 381 | 80 | 28,0 |
| 320.1 - 14.0 | 162 | 7,0 | +/- 2,0 | 26 | 100 | 474 | 275 | 44,6 |
| 320.1 - 16.0 | 162 | 7,0 | +/- 2,0 | 26 | 100 | 662 | 275 | 47,2 |
| 320.1 - 18.0 | 162 | 7,0 | +/- 2,0 | 26 | 100 | 1195 | 275 | 50,3 |
| 400.1 - 16.0 | 197 | 8,0 | +/- 2,0 | 31 | 126 | 760 | 897 | 83,9 |
| 400.1 - 18.0 | 197 | 8,0 | +/- 2,0 | 31 | 126 | 971 | 897 | 87,6 |
| 400.1 - 21.0 | 197 | 8,0 | +/- 2,0 | 31 | 126 | 1579 | 897 | 95,2 |
| 400.1 - 24.0 | 197 | 8,0 | +/- 2,0 | 31 | 126 | 2035 | 897 | 99,7 |

¹⁾ Weight and mass moment of inertia for hubs without taper lock bushing

Explanations

| | | |
|---|---|---|
| SAE = Flange connection to SAE J 620 d | D₁ = Outer diameter | X₁ = Required space for dismounting of the elastic buffer |
| A = Max. outer diameter | C₁ = Guided length in hub bore | J_F = Moment of inertia on thrust flange side |
| D_{PC7} = Pitch circle diameter of bore holes d ₇ | L = Total length | J_N = Moment of inertia hub side |
| d₇ = Bore diameter | E = Gap width between left and right component | G_{wub} = Weight, unbored |
| n_{b7} = Quantity of bore d ₇ | F_E = Tolerance of the gap width E | |
| D = Outer diameter | F_K = Flange thickness | |

Ordering example

| Series | Size | Buffer | Taper bushing | Bore taper bushing |
|------------|--------------|--------|---------------|--------------------|
| TNR 2425.1 | 200.1 - 08.0 | Pb 70 | 2517 | 28 |

Further information on
RINGFEDER® TNR 2425.1
 on www.ringfeder.com

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