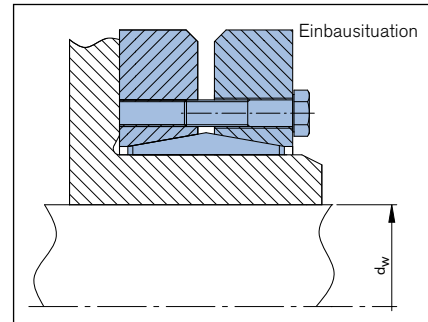
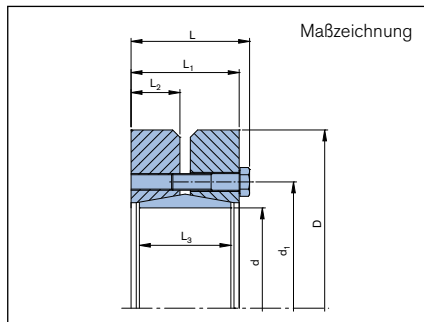
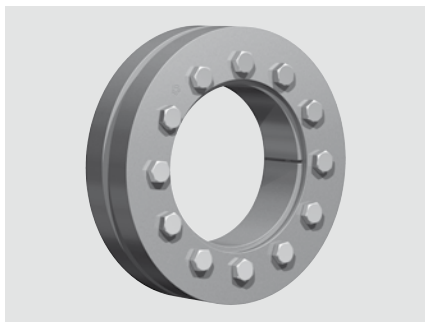


RINGFEDER® Schrumpfscheiben

RfN 4071

Standard Reihe



| | | |
|---|---|--|
| d = Innendurchmesser | L₃ = Klemmlänge | G = Zentrierdurchmesser |
| D = Außendurchmesser | Z = Tiefe Zentriermaß | R = Eckenradius |
| d_w = Vollwellen-Durchmesser | T_A = Vorgegebenes Anzugsmoment der Spannschrauben | T_{max} = Max. übertragbares Drehmoment |
| d₁ = Lochkreis-Durchmesser | T = Übertragbares Drehmoment bei angegebenen T _A | σ_V = Vergleichsspannung im Nabenansatz |
| L = Einbaulänge maximal | F_{ax} = Übertragbare Axialkraft | Rechnerische Vergleichsspannung im |
| L₁ = Einbaulänge mind. (ohne Schrauben) | P = Flächenpressung an der Nabe | Nabenansatz (d/d _w) unter Berücksichtigung |
| L₂ = Druckringbreite | n_{Sc} = Anzahl der Spannschrauben | der Tangential-, Radial- und Torsionsspannung. |

| Abmessungen Schrumpfscheiben | | | | | | | | Übertragbare Drehmomente oder Axialkräfte | | | | Spannschrauben DIN EN ISO 4014-10.9 | | Gewicht | | | |
|------------------------------|---|-----|----------------|----------------|-----|----------------|----------------|---|----------------|--------|-----------------|-------------------------------------|-------------------|---------|---------|-----|------------------|
| d | x | D | d _w | d ₁ | L | L ₁ | L ₂ | L ₃ | T _A | T | F _{ax} | P | σ _V | Anzahl | Gewinde | kg | T _{max} |
| mm | | mm | mm | mm | mm | mm | mm | mm | Nm | Nm | kN | N/mm ² | N/mm ² | | | | Nm |
| 220 | x | 370 | 160 | 270 | 114 | 104 | 47 | 88 | 250 | 95000 | 1190 | 248 | 295 | 15 | M 16 | 54 | 118750 |
| | | | 102000 | | | | | | | 1239 | 303 | | 127500 | | | | |
| | | | 110000 | | | | | | | 1290 | 315 | | 137500 | | | | |
| 240 | x | 405 | 180 | 295 | 122 | 109 | 49 | 92 | 490 | 138000 | 1576 | 272 | 315 | 12 | M 20 | 67 | 172500 |
| | | | 120000 | | | | | | | 1464 | 309 | | 150000 | | | | |
| | | | 156000 | | | | | | | 1675 | 334 | | 195000 | | | | |
| 260 | x | 430 | 210 | 321 | 133 | 120 | 54 | 103 | 490 | 205000 | 2010 | 262 | 329 | 14 | M 20 | 82 | 256250 |
| | | | 184000 | | | | | | | 1880 | 314 | | 230000 | | | | |
| | | | 164000 | | | | | | | 1760 | 306 | | 205000 | | | | |
| 280 | x | 460 | 210 | 346 | 147 | 134 | 60 | 114 | 490 | 217000 | 2090 | 251 | 295 | 16 | M 20 | 102 | 271250 |
| | | | 244000 | | | | | | | 2220 | 306 | | 305000 | | | | |
| | | | 270000 | | | | | | | 2350 | 324 | | 337500 | | | | |
| 300 | x | 485 | 245 | 364 | 155 | 142 | 64 | 122 | 490 | 315000 | 2636 | 246 | 312 | 18 | M 20 | 118 | 393750 |
| | | | 295000 | | | | | | | 2567 | 303 | | 368750 | | | | |
| | | | 275000 | | | | | | | 2431 | 291 | | 343750 | | | | |
| 320 | x | 520 | 240 | 386 | 155 | 142 | 64 | 122 | 490 | 312000 | 2647 | 257 | 293 | 20 | M 20 | 131 | 390000 |
| | | | 340000 | | | | | | | 2786 | 301 | | 425000 | | | | |
| | | | 374000 | | | | | | | 2900 | 320 | | 467500 | | | | |
| 340 | x | 570 | 250 | 408 | 169 | 156 | 71 | 134 | 490 | 390000 | 3119 | 264 | 295 | 24 | M 20 | 186 | 487500 |
| | | | 422500 | | | | | | | 3249 | 307 | | 528125 | | | | |
| | | | 460000 | | | | | | | 3400 | 317 | | 575000 | | | | |
| 350 | x | 580 | 270 | 432 | 175 | 162 | 73 | 140 | 490 | 442000 | 3276 | 245 | 289 | 24 | M 20 | 195 | 552500 |
| | | | 480000 | | | | | | | 3430 | 300 | | 600000 | | | | |
| | | | 500000 | | | | | | | 3500 | 307 | | 625000 | | | | |
| 360 | x | 590 | 280 | 432 | 175 | 162 | 73 | 140 | 490 | 463000 | 3310 | 238 | 282 | 24 | M 20 | 204 | 578750 |
| | | | 522000 | | | | | | | 3536 | 298 | | 652500 | | | | |
| | | | 502000 | | | | | | | 3461 | 292 | | 627500 | | | | |

Fortsetzung siehe nächste Seite

RINGFEDER® Schrumpfscheiben

RfN 4071

Standard Reihe

| Abmessungen Schrumpfscheiben | | | | | | | | | Übertragbare Drehmomente oder Axialkräfte | | | | Spannschrauben DIN EN ISO 4014-10.9 | | Gewicht | | |
|------------------------------|---|-----|----------------|----------------|-----|----------------|----------------|----------------|---|---------|-----------------|-------------------|-------------------------------------|--------|---------|-----|------------------|
| d | x | D | d _w | d ₁ | L | L ₁ | L ₂ | L ₃ | T _A | T | F _{ax} | P | σ _v | Anzahl | Gewinde | kg | T _{max} |
| mm | | mm | mm | mm | mm | mm | mm | mm | Nm | Nm | kN | N/mm ² | N/mm ² | | | | Nm |
| 380 | x | 645 | 290 | 458 | 183 | 168 | 76 | 144 | 840 | 567000 | 3910 | 263 | 300 | 20 | M 24 | 239 | 708750 |
| | | | 300 | | | | | | | 610000 | 4080 | | 307 | | | | 762500 |
| | | | 310 | | | | | | | 658000 | 4248 | | 320 | | | | 822500 |
| 390 | x | 660 | 300 | 468 | 183 | 168 | 76 | 144 | 840 | 624000 | 4160 | 270 | 305 | 21 | M 24 | 260 | 780000 |
| | | | 310 | | | | | | | 671000 | 4330 | | 314 | | | | 838750 |
| | | | 320 | | | | | | | 718000 | 4484 | | 331 | | | | 897500 |
| 400 | x | 680 | 315 | 480 | 183 | 168 | 76 | 144 | 840 | 670000 | 4260 | 263 | 302 | 21 | M 24 | 280 | 837500 |
| | | | 320 | | | | | | | 695000 | 4345 | | 310 | | | | 868750 |
| | | | 330 | | | | | | | 744000 | 4500 | | 324 | | | | 930000 |
| 420 | x | 690 | 330 | 504 | 203 | 188 | 86 | 164 | 840 | 780000 | 4850 | 251 | 295 | 24 | M 24 | 316 | 975000 |
| | | | 340 | | | | | | | 840000 | 5040 | | 306 | | | | 1050000 |
| | | | 350 | | | | | | | 900000 | 5220 | | 322 | | | | 1125000 |
| 440 | x | 750 | 340 | 527 | 217 | 202 | 91 | 177 | 840 | 806000 | 4740 | 223 | 267 | 24 | M 24 | 408 | 1007500 |
| | | | 350 | | | | | | | 860000 | 4910 | | 274 | | | | 1075000 |
| | | | 360 | | | | | | | 917000 | 5090 | | 285 | | | | 1146250 |
| 460 | x | 770 | 360 | 547 | 217 | 202 | 91 | 177 | 840 | 1000000 | 5670 | 248 | 293 | 28 | M 24 | 420 | 1250000 |
| | | | 370 | | | | | | | 1070000 | 5860 | | 301 | | | | 1337500 |
| | | | 380 | | | | | | | 1400000 | 6050 | | 314 | | | | 1750000 |
| 480 | x | 800 | 380 | 570 | 228 | 213 | 96 | 188 | 840 | 1170000 | 6150 | 240 | 282 | 30 | M 24 | 505 | 1462500 |
| | | | 390 | | | | | | | 1240000 | 6350 | | 292 | | | | 1550000 |
| | | | 400 | | | | | | | 1310000 | 6550 | | 306 | | | | 1637500 |
| 500 | x | 850 | 400 | 590 | 230 | 213 | 96 | 188 | 1250 | 1312000 | 6560 | 242 | 284 | 24 | M 27 | 575 | 1640000 |
| | | | 410 | | | | | | | 1380000 | 6730 | | 297 | | | | 1725000 |
| | | | 420 | | | | | | | 1455000 | 6930 | | 311 | | | | 1818750 |

Bestellbeispiel: RfN 4071

| Baureihe | d | D |
|----------|-----|-----|
| RfN 4071 | 320 | 520 |

- Oberflächen für Welle R_a ≤ 3,2 µm
- Toleranzen für Welle h9