

# BRF Zoll

Data sheet - rev. 1.0

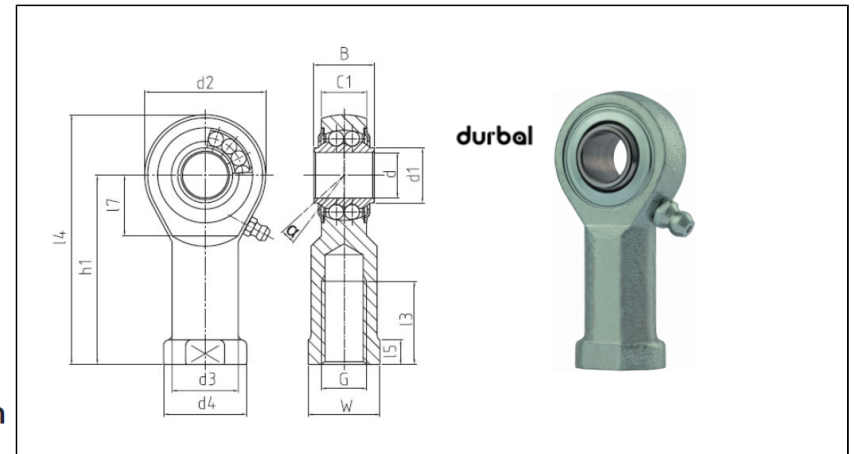
## Rod Ends - Premium Line

Rod ends with ball bearing, female thread, dimensions in inches, low maintenance, lubrication possible

### FEATURES AND ADVANTAGES

- **HOUSING:** 17Cr3 forged steel, case hardened bearing race, superfinished, surface galvanized, free of Cr VI
- **INNER RING:** 100Cr6 ball bearing steel, hardened, superfinished
- **ROLLING ELEMENT:** 100Cr6 ball bearing steel, hardened, superfinished
- **MAINTENANCE:** low maintenance, lubrication possible, aluminium-complex-soap-grease, approval according to USDA H1
- **GREASE NIPPLE:** DIN 3405 D1/A (until size 3/8) / DIN 71 412 H1 (from size 1/2), further grease nipples see on this page
- **TEMPERATURE RANGE:** -45° C to +120° C
- **USE & MAINTENANCE :** [see this page](#)
- **STATIC LOAD SERVICE LIFE :** [see this page](#)
- **TOLERANCES :** [see this page](#)

### COMPONENTS AND DIMENSIONS



| Type               |                    | Measurements [Inch] |              |       |       |       |       |       |       |       |    |       |       |       |       |       | Tilt angle   | Rotational speed limit         | Axial factor |      | Basic load rating |              | Radial clearance | Weight |
|--------------------|--------------------|---------------------|--------------|-------|-------|-------|-------|-------|-------|-------|----|-------|-------|-------|-------|-------|--------------|--------------------------------|--------------|------|-------------------|--------------|------------------|--------|
| Right hand thread  | Left hand thread   | d                   | G            | B     | C1    | h/h1  | d1    | d2    | d3    | d4    | dk | l1/l3 | l2/l4 | l5    | l7    | W     | $\alpha$ (°) | $n_{max}$ (min <sup>-1</sup> ) | Y            | Y0   | dyn C (kN)        | stat C0 (kN) | CN (µm)          | kg     |
| BRF 1/4 - 00 - 501 | BRF 1/4 - 00 - 502 | 0.250               | 1/4 - 28 UNF | 0.354 | 0.265 | 1.2   | 0.356 | 0.787 | 0.393 | 0.511 | -  | 0.472 | 1.593 | 0.24  | 0.452 | 0.433 | 8            | 1350                           | 2.09         | 2.19 | 2.7               | 0.7          | 10-30            | 0.03   |
| BRF 3/8 - 00 - 501 | BRF 3/8 - 00 - 502 | 0.375               | 3/8 - 24 UNF | 0.551 | 0.413 | 1.712 | 0.468 | 1.102 | 0.59  | 0.748 | -  | 0.787 | 2.263 | 0.299 | 0.59  | 0.669 | 8            | 1225                           | 1.87         | 1.83 | 4.4               | 1.4          | 10-30            | 0.07   |
| BRF 1/2 - 00 - 501 | BRF 1/2 - 00 - 502 | 0.500               | 1/2 - 20 UNF | 0.624 | 0.472 | 2.145 | 0.574 | 1.311 | 0.748 | 0.874 | -  | 1.102 | 2.801 | 0.279 | 0.649 | 0.757 | 7.5          | 1125                           | 1.74         | 1.82 | 4.9               | 1.9          | 10-30            | 0.13   |
| BRF 5/8 - 00 - 501 | BRF 5/8 - 00 - 502 | 0.625               | 5/8 - 18 UNF | 0.826 | 0.59  | 2.539 | 0.744 | 1.653 | 0.866 | 1.062 | -  | 1.102 | 3.366 | 0.322 | 0.885 | 0.886 | 8            | 975                            | 2.24         | 2.35 | 6.3               | 2.4          | 10-30            | 0.22   |
| BRF 3/4 - 00 - 501 | BRF 3/4 - 00 - 502 | 0.750               | 3/4 - 16 UNF | 0.984 | 0.708 | 3.051 | 0.956 | 1.968 | 1     | 1.125 | -  | 1.299 | 3.926 | 0.409 | 1.043 | 1.007 | 7            | 825                            | 2.32         | 2.43 | 7.8               | 3.4          | 10-30            | 0.39   |
| BRF 1/1 - 00 - 501 | BRF 1/1 - 00 - 502 | 1                   | 1/1 - 12 UNF | 1.22  | 0.866 | 3.72  | 1.161 | 2.519 | 1.171 | 1.377 | -  | 1.653 | 4.98  | 0.236 | 1.279 | 1.181 | 5            | 600                            | 2.02         | 2.12 | 11                | 5.7          | 10-30            | 0.57   |
| BRF 1/1 - 01 - 501 | BRF 1/1 - 01 - 502 | 1                   | 1/1 - 14 UNS | 1.22  | 0.866 | 3.72  | 1.161 | 2.519 | 1.171 | 1.377 | -  | 1.653 | 4.98  | 0.236 | 1.279 | 1.181 | 5            | 600                            | 2.02         | 2.12 | 11                | 5.7          | 10-30            | 0.57   |

# ROTATIONAL UNITS