

# BRTM Zoll

Data sheet - rev. 1.0

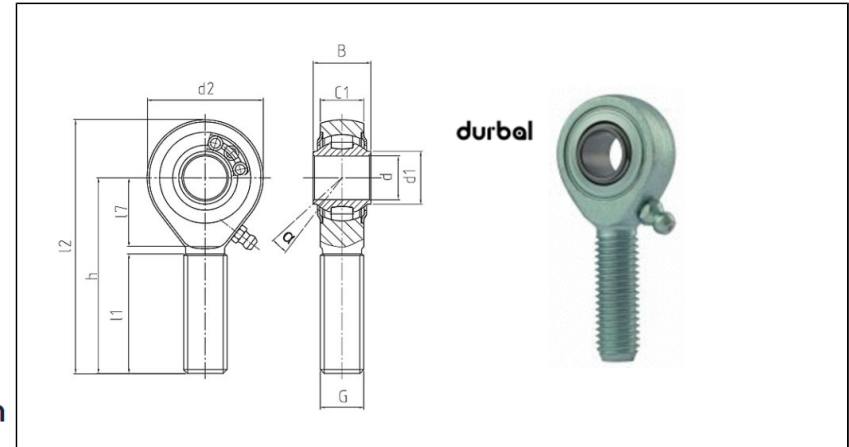
## Rod Ends - Premium Line

Rod ends with roller bearing, cage design, male 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 71 412 H1, further grease nipples
- **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 | l1/13 | l2/14 | l5 | l7    | W | α (°)      | n <sub>max</sub> (min <sup>-1</sup> ) | Y            | Y0                | dyn C (kN) | stat C0 (kN)     | CN (μm) | kg   |
| BRTM 1/2 - 00 - 501 | BRTM 1/2 - 00 - 502 | 0.500               | 1/2 - 20 UNF | 0.624 | 0.472 | 2.46  | 0.574 | 1.311 | -  | -  | -  | 1.496 | 3.116 | -  | 0.846 | - | 7          | 1125                                  | 9.5          | 5                 | 10.3       | 6.6              | 10-30   | 0.11 |
| BRTM 5/8 - 00 - 501 | BRTM 5/8 - 00 - 502 | 0.625               | 5/8 -18 UNF  | 0.826 | 0.59  | 2.618 | 0.748 | 1.635 | -  | -  | -  | 1.574 | 3.444 | -  | 0.944 | - | 7          | 975                                   | 9.5          | 5                 | 13.3       | 8.9              | 10-30   | 0.18 |
| BRTM 3/4 - 00 - 501 | BRTM 3/4 - 00 - 502 | 0.750               | 3/4 -16 UNF  | 0.984 | 0.708 | 3.09  | 0.956 | 0.197 | -  | -  | -  | 1.85  | 4.074 | -  | 1.102 | - | 7          | 825                                   | 9.5          | 5                 | 16.7       | 11.5             | 10-30   | 0.34 |
| BRTM 1/1 - 00 - 501 | BRTM 1/1 - 00 - 502 | 1                   | 1/1 -12 UNF  | 1.22  | 0.866 | 3.72  | 1.161 | 2.519 | -  | -  | -  | 2.244 | 4.98  | -  | 1.279 | - | 5          | 600                                   | 9.5          | 5                 | 24.9       | 18.5             | 10-30   | 0.59 |
| BRTM 1/1 - 01 - 501 | BRTM 1/1 - 01 - 502 | 1                   | 1/1 -14 UNS  | 1.22  | 0.866 | 3.72  | 1.161 | 2.519 | -  | -  | -  | 2.244 | 4.98  | -  | 1.279 | - | 5          | 600                                   | 9.5          | 5                 | 24.9       | 18.5             | 10-30   | 0.59 |

# ROTATIONAL UNITS