

# CFE

Data sheet - rev. 1.0

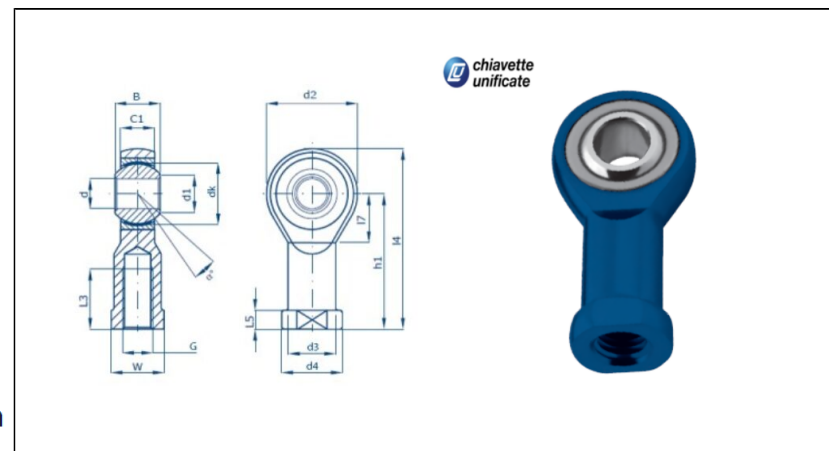
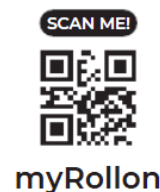
## Rod Ends - Tesno Ergal

Self-lubricating rod ends with PTFE in ergal, female thread, series K, DIN ISO 12240-4, maintenance free

## FEATURES AND ADVANTAGES

- **HOUSING:** ERGAL (alloy EN AW 7075 state T6) blue or purple anodized surface
- **OUTER RING:** C45 (1.1191) carbon steel and PTFE bonded on the inner surface
- **INNER RING:** tempered, ground and polished steel for bearings 100Cr6 (1.3505)
- **MAINTENANCE:** maintenance free
- **TEMPERATURE RANGE:** -40° C to +200° C
- **USE & MAINTENANCE :** [see this page](#)
- **STATIC LOAD SERVICE LIFE :** [see this page](#)
- **TOLERANCES :** [see this page](#)

## COMPONENTS AND DIMENSIONS



| Type              |                  | Measurements<br>[mm] |     |    |      |      |      |    |      |    |       |       |       |     |    |    | Tilt<br>angle | Rotational<br>speed limit             | Axial<br>factor | Basic<br>load rating |            | Radial<br>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  | α (°)         | n <sub>max</sub> (min <sup>-1</sup> ) | Y               | Y0                   | dyn C (kN) | stat C0 (kN)        | CN (μm) | kg   |
| CFE6 M6           | CFEL6 M6         | 6                    | M6  | 9  | 6.75 | 30   | 8.9  | 20 | 10   | 13 | 12.7  | 12    | 40    | 5   | 11 | 11 | 13            | -                                     | -               | -                    | 11         | 9.7                 | 0-32    | 0.02 |
| CFE8 M8           | CFEL8 M8         | 8                    | M8  | 12 | 9    | 36   | 10.4 | 24 | 12.5 | 16 | 15.87 | 16    | 48    | 5   | 13 | 14 | 14            | -                                     | -               | -                    | 19         | 16.2                | 0-32    | 0.04 |
| CFE10 M10         | CFEL10 M10       | 10                   | M10 | 14 | 10.5 | 43   | 12.9 | 28 | 15   | 19 | 19.05 | 20    | 57    | 6.5 | 15 | 17 | 13            | -                                     | -               | -                    | 27.1       | 22.7                | 0-32    | 0.06 |
| CFE12 M12         | CFEL12 M12       | 12                   | M12 | 16 | 12   | 50   | 15.4 | 32 | 17.5 | 22 | 22.22 | 22    | 66    | 6.5 | 17 | 19 | 13            | -                                     | -               | -                    | 36.7       | 25.9                | 0-40    | 0.1  |

# ROTATIONAL UNITS