

CFP

Data sheet - rev. 1.0

Rod Ends - Tesno Standard

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

FEATURES AND ADVANTAGES

- **HOUSING:** C45 steel, galvanized surface free of Cr VI
- **OUTER RING:** brass 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 [mm] | | | | | | | | | | | | | | | 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_{max} (min ⁻¹) | Y | Y0 | dyn C (kN) | stat C0 (kN) | CN (µm) | kg |
| CFP5 M5 | CFPL5 M5 | 5 | M5 | 8 | 6 | 27 | 7.7 | 18 | 9 | 11 | 11.11 | 10 | 36 | 4 | 10 | 9 | 13 | - | - | - | 8.3 | 9.6 | 0-32 | 0.02 |
| CFP6 M6 | CFPL6 M6 | 6 | M6 | 9 | 6.75 | 30 | 8.9 | 20 | 10 | 13 | 12.7 | 12 | 40 | 5 | 11 | 11 | 13 | - | - | - | 11 | 8.6 | 0-32 | 0.03 |
| CFP8 M8 | CFPL8 M8 | 8 | M8 | 12 | 9 | 36 | 10.4 | 24 | 12.5 | 16 | 15.87 | 16 | 48 | 5 | 13 | 14 | 14 | - | - | - | 19 | 14.4 | 0-32 | 0.05 |
| CFP10 M10 | CFPL10 M10 | 10 | M10 | 14 | 10.5 | 43 | 12.9 | 28 | 15 | 19 | 19.05 | 20 | 57 | 6.5 | 15 | 17 | 13 | - | - | - | 27.1 | 20.2 | 0-32 | 0.07 |
| CFP10 M10x1.25 | CFPL10 M10x1.25 | 10 | M10x1.25 | 14 | 10.5 | 43 | 12.9 | 28 | 15 | 19 | 19.05 | 20 | 57 | 6.5 | 15 | 17 | 13 | - | - | - | 27.1 | 20.2 | 0-32 | 0.07 |
| CFP12 M12 | CFPL12 M12 | 12 | M12 | 16 | 12 | 50 | 15.4 | 32 | 17.5 | 22 | 22.22 | 22 | 66 | 6.5 | 17 | 19 | 13 | - | - | - | 36.7 | 23 | 0-40 | 0.11 |
| CFP12 M12x1.25 | CFPL12 M12x1.25 | 12 | M12x1.25 | 16 | 12 | 50 | 15.4 | 32 | 17.5 | 22 | 22.22 | 22 | 66 | 6.5 | 17 | 19 | 13 | - | - | - | 36.7 | 23 | 0-40 | 0.11 |
| CFP14 M14 | CFPL14 M14 | 14 | M14 | 19 | 13.5 | 57 | 16.8 | 36 | 20 | 25 | 25.4 | 25 | 75 | 8 | 19 | 22 | 15 | - | - | - | 47.6 | 25.9 | 0-40 | 0.16 |
| CFP16 M16x1.5 | CFPL16 M16x1.5 | 16 | M16x1.5 | 21 | 15 | 64 | 19.3 | 42 | 22 | 27 | 28.57 | 28 | 85 | 8 | 23 | 22 | 15 | - | - | - | 60 | 36 | 0-40 | 0.23 |
| CFP16 M16 | CFPL16 M16 | 16 | M16 | 21 | 15 | 64 | 19.3 | 42 | 22 | 27 | 28.57 | 28 | 85 | 8 | 23 | 22 | 15 | - | - | - | 60 | 36 | 0-40 | 0.23 |
| CFP18 M18x1.5 | CFPL18 M18x1.5 | 18 | M18x1.5 | 23 | 16.5 | 71 | 21.8 | 46 | 25 | 31 | 31.75 | 32 | 94 | 10 | 25 | 27 | 15 | - | - | - | 73.8 | 43.6 | 0-40 | 0.3 |
| CFP20 M20 | CFPL20 M20 | 20 | M20 | 25 | 18 | 77 | 24.3 | 50 | 27.5 | 34 | 34.92 | 33 | 102 | 10 | 27 | 30 | 14 | - | - | - | 89 | 43.2 | 0-50 | 0.4 |
| CFP20 M20x1.5 | CFPL20 M20x1.5 | 20 | M20x1.5 | 25 | 18 | 77 | 24.3 | 50 | 27.5 | 34 | 34.92 | 33 | 102 | 10 | 27 | 30 | 14 | - | - | - | 89 | 43.2 | 0-50 | 0.4 |
| CFP22 M22x1.5 | CFPL22 M22x1.5 | 22 | M22x1.5 | 28 | 20 | 84 | 25.8 | 54 | 30 | 37 | 38.1 | 37 | 111 | 12 | 29 | 32 | 15 | - | - | - | 108.6 | 57.6 | 0-50 | 0.49 |
| CFP25 M24x2 | CFPL25 M24x2 | 25 | M24x2 | 31 | 22 | 94 | 29.5 | 60 | 33.5 | 42 | 42.85 | 42 | 124 | 12 | 32 | 36 | 15 | - | - | - | 135 | 68.6 | 0-50 | 0.65 |
| CFP30 M30x2 | CFPL30 M30x2 | 30 | M30x2 | 37 | 25 | 110 | 34.8 | 70 | 40 | 50 | 50.8 | 51 | 145 | 15 | 36 | 41 | 17 | - | - | - | 182.9 | 90 | 0-50 | 1.12 |
| CFP30 M27x2 | CFPL30 M27x2 | 30 | M27x2 | 37 | 25 | 110 | 34.8 | 70 | 40 | 50 | 50.8 | 51 | 145 | 15 | 36 | 41 | 17 | - | - | - | 182.9 | 90 | 0-50 | 1.13 |
| CFP35 M36x2 | CFPL35 M36x2 | 35 | M36x2 | 43 | 28 | 125 | 37.7 | 80 | 46 | 58 | 57.15 | 56 | 165 | 17 | 41 | 50 | 19 | - | - | - | 231.5 | 121 | 0-50 | 1.64 |
| CFP40 M42x2 | CFPL40 M42x2 | 40 | M42x2 | 49 | 33 | 142 | 45.1 | 91 | 53 | 65 | 66.6 | 60 | 187 | 19 | 45 | 55 | 16 | - | - | - | 319.7 | 126.7 | 0-50 | 2.4 |
| CFP50 M48x2 | CFPL50 M48x2 | 50 | M48x2 | 60 | 45 | 160 | 56.6 | 117 | 65 | 75 | 82.5 | 65 | 218 | 23 | 58 | 65 | 14 | - | - | - | 544.5 | 291.6 | 0-50 | 4.7 |

ROTATIONAL UNITS