

# 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/l4 | l5  | l7 | W  | α (°)      | n <sub>max</sub> (min <sup>-1</sup> ) | 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 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   |
| 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   |
| 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    |

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