

# CM TOP

Data sheet - rev. 1.0

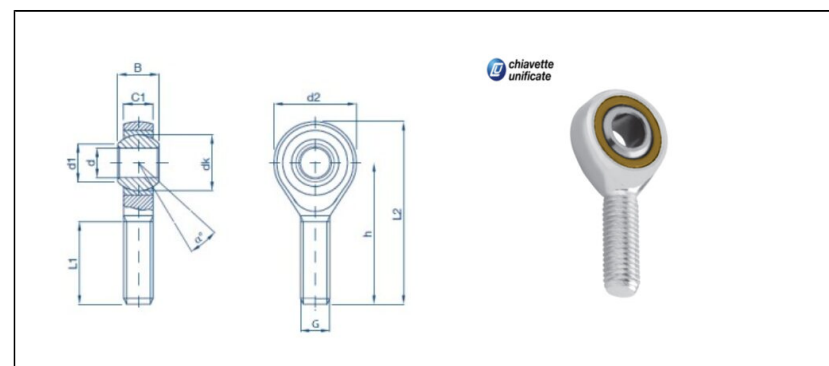
## Rod Ends - Tescubal Top

Self-lubricating rod ends, male thread, series K, DIN ISO 12240-4, maintenance free

## FEATURES AND ADVANTAGES

- **HOUSING:** up to size 12 automatic steel 11SMnPb30 (1.0718), from size 14 carbon steel C40 (1.1186), galvanized surface free of Cr VI
- **OUTER RING:** sintered bronze impregnated with high efficiency lubricating fluid
- **INNER RING:** tempered, ground and polished steel for bearings 100Cr6 (1.3505)
- **MAINTENANCE:** maintenance free
- **TEMPERATURE RANGE:** -30° C to +120° C
- **USE & MAINTENANCE :** [see this page](#)
- **STATIC LOAD SERVICE LIFE :** [see this page](#)
- **TOLERANCES :** [see this page](#)

## COMPONENTS AND DIMENSIONS



SCAN ME!



myRollon

| 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    | l1/3 | l2/4 | l5 | l7 | W | α (°)         | n <sub>max</sub> (min <sup>-1</sup> ) | Y               | Y0                   | dyn C (kN) | stat C0 (kN)        | CN (μm) | kg   |
| CM5 M5            | CML5 M5          | 5                    | M5       | 8  | 6    | 33   | 7.7  | 18 | -  | -  | 11.11 | 19   | 42   | -  | -  | - | 13            | -                                     | -               | -                    | 4.3        | 4.1                 | 5-50    | 0.02 |
| CM6 M6            | CML6 M6          | 6                    | M6       | 9  | 6.75 | 36   | 8.9  | 20 | -  | -  | 12.7  | 21   | 46   | -  | -  | - | 13            | -                                     | -               | -                    | 5.6        | 5.7                 | 5-50    | 0.02 |
| CM8 M8            | CML8 M8          | 8                    | M8       | 12 | 9    | 42   | 10.4 | 24 | -  | -  | 15.87 | 25   | 54   | -  | -  | - | 14            | -                                     | -               | -                    | 9.4        | 10.5                | 7-61    | 0.04 |
| CM10 M10          | CML10 M10        | 10                   | M10      | 14 | 10.5 | 48   | 12.9 | 28 | -  | -  | 19.05 | 28   | 62   | -  | -  | - | 13            | -                                     | -               | -                    | 13.3       | 16.7                | 7-61    | 0.06 |
| CM10 M10x1.25     | CML10 M10x1.25   | 10                   | M10x1.25 | 14 | 10.5 | 48   | 12.9 | 28 | -  | -  | 19.05 | 28   | 62   | -  | -  | - | 13            | -                                     | -               | -                    | 13.3       | 16.7                | 8-75    | 0.06 |
| CM12 M12          | CML12 M12        | 12                   | M12      | 16 | 12   | 54   | 15.4 | 32 | -  | -  | 22.22 | 32   | 70   | -  | -  | - | 13            | -                                     | -               | -                    | 17.9       | 23                  | 8-75    | 0.1  |
| CM12 M12x1.25     | CML12 M12x1.25   | 12                   | M12x1.25 | 16 | 12   | 54   | 15.4 | 32 | -  | -  | 22.22 | 32   | 70   | -  | -  | - | 13            | -                                     | -               | -                    | 17.9       | 23                  | 8-75    | 0.1  |
| CM14 M14          | CML14 M14        | 14                   | M14      | 19 | 13.5 | 60   | 16.8 | 36 | -  | -  | 25.4  | 36   | 78   | -  | -  | - | 15            | -                                     | -               | -                    | 23.1       | 26.8                | 8-75    | 0.13 |
| CM16 M16          | CML16 M16        | 16                   | M16      | 21 | 15   | 66   | 19.3 | 42 | -  | -  | 28.57 | 37   | 87   | -  | -  | - | 15            | -                                     | -               | -                    | 29         | 36.9                | 8-75    | 0.21 |
| CM16 M16x1.5      | CML16 M16x1.5    | 16                   | M16x1.5  | 21 | 15   | 66   | 19.3 | 42 | -  | -  | 28.57 | 37   | 87   | -  | -  | - | 15            | -                                     | -               | -                    | 35.6       | 36.9                | 8-75    | 0.21 |
| CM18 M18x1.5      | CML18 M18x1.5    | 18                   | M18x1.5  | 23 | 16.5 | 72   | 32.8 | 46 | -  | -  | 31.75 | 41   | 95   | -  | -  | - | 15            | -                                     | -               | -                    | 35.6       | 44.8                | 8-75    | 0.26 |
| CM20 M20          | CML20 M20        | 20                   | M20      | 25 | 18   | 78   | 24.3 | 50 | -  | -  | 34.52 | 45   | 103  | -  | -  | - | 14            | -                                     | -               | -                    | 42.8       | 46.1                | 10-92   | 0.37 |
| CM20 M20x1.5      | CML20 M20x1.5    | 20                   | M20x1.5  | 25 | 18   | 78   | 24.3 | 50 | -  | -  | 34.92 | 45   | 103  | -  | -  | - | 14            | -                                     | -               | -                    | 42.8       | 46.1                | 10-92   | 0.37 |
| CM22 M22x1.5      | CML22 M22x1.5    | 22                   | M22x1.5  | 28 | 20   | 84   | 25.8 | 54 | -  | -  | 38.1  | 48   | 111  | -  | -  | - | 15            | -                                     | -               | -                    | 52         | 61.4                | 10-92   | 0.44 |
| CM25 M24x2        | CML25 M24x2      | 25                   | M24x2    | 31 | 22   | 94   | 29.5 | 60 | -  | -  | 42.85 | 55   | 124  | -  | -  | - | 15            | -                                     | -               | -                    | 64.5       | 73.2                | 10-92   | 0.59 |
| CM30 M30x2        | CML30 M30x2      | 30                   | M30x2    | 37 | 25   | 110  | 34.8 | 70 | -  | -  | 50.8  | 66   | 145  | -  | -  | - | 15            | -                                     | -               | -                    | 87.1       | 96                  | 10-92   | 1.06 |
| CM35 M36x2        | CML35 M36x2      | 35                   | M36x2    | 43 | 28   | 140  | 37.7 | 80 | -  | -  | 57.15 | 85   | 180  | -  | -  | - | 19            | -                                     | -               | -                    | 110        | 129                 | 13-112  | 1.64 |

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