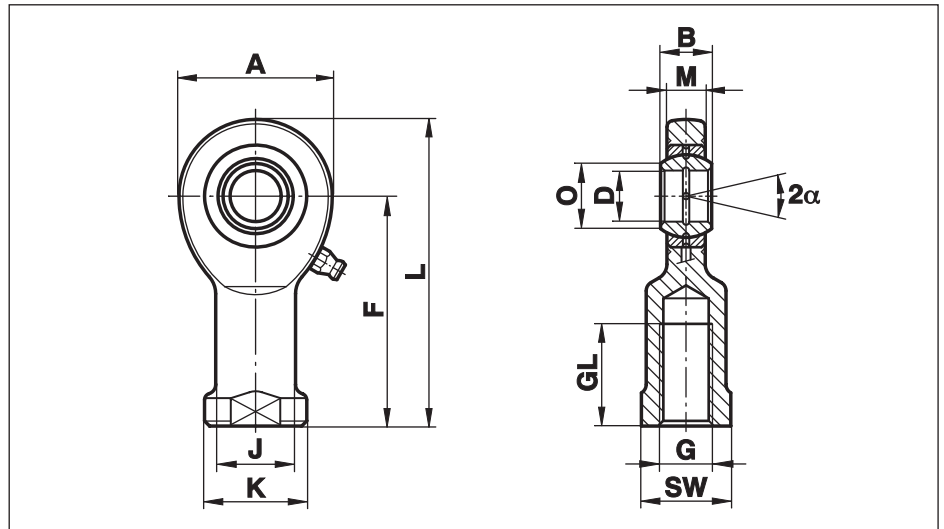


# Rod Ends Series E - Steel on Steel

## Series EI (-2RS)

Rod Ends with female thread made from free-cutting or heat-treated steel, zinc plated, with steel on steel Spherical Plain Bearings which require lubrication

For use at high multi-directional loads and limited fitting dimensions



| Size (D) | B  | M    | A   | F   | L     | K   | J    | O    | SW  | G        | GL | Static load C <sub>0</sub> kN | Dynamic load C kN | Pivoting angle α | Weight g |
|----------|----|------|-----|-----|-------|-----|------|------|-----|----------|----|-------------------------------|-------------------|------------------|----------|
| 6        | 6  | 4,4  | 20  | 30  | 40,0  | 13  | 10,0 | 8,0  | 11  | M 6      | 12 | 10,3                          | 3,4               | 13               | 21       |
| 8        | 8  | 6,0  | 24  | 36  | 48,0  | 16  | 12,5 | 10,2 | 14  | M 8      | 16 | 15,8                          | 5,5               | 15               | 38       |
| 10       | 9  | 7,0  | 28  | 43  | 57,0  | 19  | 15,0 | 13,2 | 17  | M 10     | 20 | 23,4                          | 8,1               | 12               | 60       |
| 12       | 10 | 8,0  | 34  | 50  | 67,0  | 22  | 17,5 | 14,9 | 19  | M 12     | 23 | 31,0                          | 10,8              | 11               | 96       |
| 15       | 12 | 10,0 | 40  | 61  | 81,0  | 26  | 21,0 | 18,4 | 22  | M 14     | 29 | 42,5                          | 17,0              | 8                | 180      |
| 16       | 14 | 11,0 | 46  | 67  | 90,0  | 30  | 24,0 | 20,7 | 27  | M 16     | 33 | 54,5                          | 21,2              | 10               | 220      |
| 17       | 14 | 11,0 | 46  | 67  | 90,0  | 30  | 24,0 | 20,7 | 27  | M 16     | 33 | 54,5                          | 21,2              | 10               | 220      |
| 20       | 16 | 13,0 | 53  | 77  | 103,5 | 35  | 27,5 | 24,2 | 32  | M 20x1,5 | 40 | 62,5                          | 30,0              | 9                | 350      |
| 25       | 20 | 17,0 | 64  | 94  | 126,0 | 42  | 33,5 | 29,3 | 36  | M 24x2   | 48 | 92,0                          | 48,0              | 7                | 640      |
| 30       | 22 | 19,0 | 73  | 110 | 146,5 | 50  | 40,0 | 34,2 | 41  | M 30x2   | 56 | 124,0                         | 62,0              | 6                | 930      |
| 35       | 25 | 21,0 | 82  | 125 | 166,0 | 58  | 47,0 | 39,8 | 50  | M 36x3   | 60 | 144,0                         | 80,0              | 6                | 1300     |
| 40       | 28 | 23,0 | 92  | 142 | 188,0 | 65  | 52,0 | 45,0 | 55  | M 39x3   | 65 | 178,0                         | 100,0             | 7                | 2000     |
| 45       | 32 | 27,0 | 102 | 145 | 196,0 | 70  | 58,0 | 50,8 | 60  | M 42x3   | 65 | 263,0                         | 127,0             | 7                | 2500     |
| 50       | 35 | 30,0 | 112 | 160 | 216,0 | 75  | 62,0 | 56,0 | 65  | M 45x3   | 68 | 320,0                         | 156,0             | 6                | 3500     |
| 60       | 44 | 38,0 | 135 | 175 | 242,5 | 88  | 70,0 | 66,8 | 75  | M 52x3   | 70 | 497,0                         | 245,0             | 6                | 5550     |
| 70       | 49 | 42,0 | 160 | 200 | 280,0 | 98  | 80,0 | 77,9 | 85  | M 56x4   | 80 | 606,0                         | 315,0             | 6                | 8600     |
| 80       | 55 | 47,0 | 180 | 230 | 320,0 | 110 | 95,0 | 89,4 | 100 | M 64x4   | 85 | 752,0                         | 400,0             | 6                | 12000    |

## Materials:

**Housing:** up to size 10 turned, from free-cutting steel to 9SMnPb28K, 12L13  
from size 12 forged from heat-treated steel to C45, Aisi 1045

**Bearing:** Steel on steel bearing GE...E, requiring lubrication (see page 56)  
from size 20 available sealed from both sides (-2RS)

**Greasing:** up to size 17 without lubrication fitting  
from size 20 fitted with hydraulic grease nipples to DIN 71412