

# DPHS

Data sheet - rev. 1.0

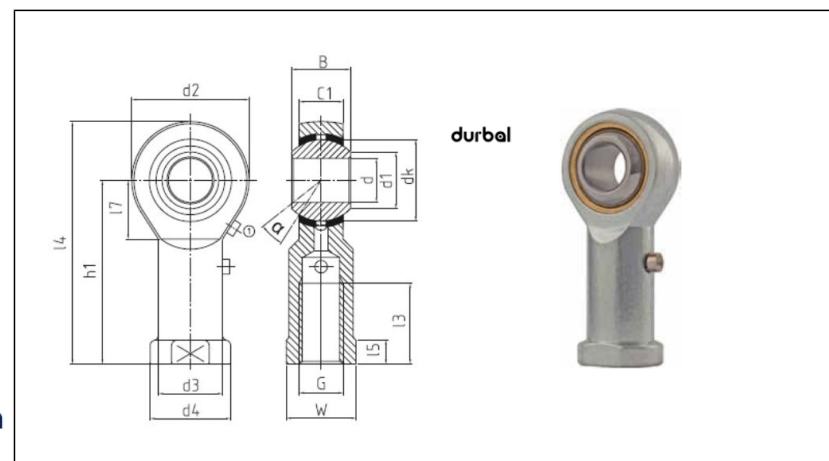
## Rod Ends - Basic Line

Rod ends with pressed spherical-plain bearing, series K, female thread, according to DIN ISO 12240-4 & 8139, maintenance required

## FEATURES AND ADVANTAGES

- **HOUSING:** forged heat-treated steel, surface galvanized, free of Cr VI
- **OUTER RING:** bearing-brass, oil groove and drill holes
- **JOINT BALL:** ball bearing steel, hardened, ground, polished
- **MAINTENANCE:** maintenance required, oiled on delivery, initial lubrication by the user
- **GREASE NIPPLE:** DIN 3405 D1/A, from size 18 grease nipple on pos. 1, further grease nipple
- **TEMPERATURE RANGE:** -40° C to +110° 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 <sub>max</sub> (min <sup>-1</sup> ) | Y            | Y0                | dyn C (kN) | stat C0 (kN)     | CN (μm) | kg   |
| DPHS 05           | DPHSL 05          | 5                 | M5       | 8  | 6    | 27   | 7.7  | 16 | 8.5  | 11 | 11.1  | 10    | 35    | 4   | 8  | 9  | 13         | -                                     | -            | -                 | 1.7        | 4.6              | 8-55    | 0.02 |
| DPHS 06           | DPHSL 06          | 6                 | M6       | 9  | 6.75 | 30   | 8.9  | 18 | 10   | 13 | 12.7  | 12    | 39    | 5   | 9  | 11 | 13         | -                                     | -            | -                 | 2          | 5.8              | 8-55    | 0.02 |
| DPHS 08           | DPHSL 08          | 8                 | M8       | 12 | 9    | 36   | 10.3 | 22 | 12.5 | 16 | 15.88 | 16    | 47    | 5   | 11 | 14 | 14         | -                                     | -            | -                 | 4.3        | 9.3              | 8-55    | 0.05 |
| DPHS 10           | DPHSL 10          | 10                | M10      | 14 | 10.5 | 43   | 12.9 | 26 | 15   | 19 | 19.05 | 20    | 56    | 6.5 | 13 | 17 | 13         | -                                     | -            | -                 | 5.1        | 11.6             | 8-55    | 0.08 |
| DPHS 10 M10x1.25  | DPHSL 10 M10x1.25 | 10                | M10x1.25 | 14 | 10.5 | 43   | 12.9 | 26 | 15   | 19 | 19.05 | 20    | 56    | 6.5 | 13 | 17 | 13         | -                                     | -            | -                 | 5.1        | 11.6             | 8-55    | 0.08 |
| DPHS 12           | DPHSL 12          | 12                | M12      | 16 | 12   | 50   | 15.4 | 30 | 17.5 | 22 | 22.23 | 22    | 65    | 6.5 | 15 | 19 | 13         | -                                     | -            | -                 | 6.5        | 13.6             | 8-55    | 0.1  |
| DPHS 12 M12x1.25  | DPHSL 12 M12x1.25 | 12                | M12x1.25 | 16 | 12   | 50   | 15.4 | 30 | 17.5 | 22 | 22.23 | 22    | 65    | 6.5 | 16 | 19 | 13         | -                                     | -            | -                 | 6.5        | 13.6             | 8-55    | 0.1  |
| DPHS 14 M14x1.5   | DPHSL 14 M14x1.5  | 14                | M14x1.5  | 19 | 13.5 | 57   | 16.8 | 34 | 20   | 25 | 25.4  | 25    | 74    | 8   | 17 | 22 | 16         | -                                     | -            | -                 | 8.7        | 19.2             | 8-55    | 0.16 |
| DPHS 14           | DPHSL 14          | 14                | M14      | 19 | 13.5 | 57   | 16.8 | 34 | 20   | 25 | 25.4  | 25    | 74    | 8   | 17 | 22 | 16         | -                                     | -            | -                 | 8.7        | 19.2             | 8-55    | 0.16 |
| DPHS 16           | DPHSL 16          | 16                | M16      | 21 | 15   | 64   | 19.3 | 40 | 22   | 27 | 28.58 | 28    | 84    | 8   | 20 | 22 | 15         | -                                     | -            | -                 | 10         | 22.8             | 8-55    | 0.22 |
| DPHS 16 M16x1.5   | DPHSL 16 M16x1.5  | 16                | M16x1.5  | 21 | 15   | 64   | 19.3 | 40 | 22   | 27 | 28.58 | 28    | 84    | 8   | 20 | 22 | 15         | -                                     | -            | -                 | 10         | 22.8             | 8-55    | 0.22 |
| DPHS 18           | DPHSL 18          | 18                | M18x1.5  | 23 | 16.5 | 71   | 21.8 | 44 | 25   | 31 | 31.75 | 32    | 93    | 10  | 22 | 27 | 15         | -                                     | -            | -                 | 14.2       | 34               | 8-55    | 0.32 |
| DPHS 20           | DPHSL 20          | 20                | M20x1.5  | 25 | 18   | 77   | 24.3 | 50 | 27.5 | 34 | 34.93 | 33    | 102   | 10  | 25 | 30 | 14         | -                                     | -            | -                 | 17.2       | 42.5             | 8-55    | 0.42 |
| DPHS 22           | DPHSL 22          | 22                | M22x1.5  | 28 | 20   | 84   | 25.8 | 54 | 30   | 38 | 38.1  | 37    | 111   | 12  | 27 | 32 | 15         | -                                     | -            | -                 | 19.4       | 45.6             | 8-55    | 0.54 |
| DPHS 25           | DPHSL 25          | 25                | M24x2    | 31 | 22   | 94   | 29.5 | 60 | 33.5 | 42 | 42.86 | 42    | 124   | 12  | 30 | 36 | 15         | -                                     | -            | -                 | 24.6       | 54.4             | 8-55    | 0.73 |
| DPHS 30           | DPHSL 30          | 30                | M30x2    | 37 | 25   | 110  | 34.8 | 70 | 40   | 50 | 50.8  | 51    | 145   | 15  | 35 | 41 | 17         | -                                     | -            | -                 | 32.1       | 70.4             | 8-55    | 1.1  |
| DPHS 30 M27x2     | DPHSL 30 M27x2    | 30                | M27x2    | 37 | 25   | 110  | 34.8 | 70 | 40   | 50 | 50.8  | 51    | 145   | 15  | 35 | 41 | 17         | -                                     | -            | -                 | 32.1       | 70.4             | 8-55    | 1.1  |

# ROTATIONAL UNITS