

# GLKS

Data sheet - rev. 1.0

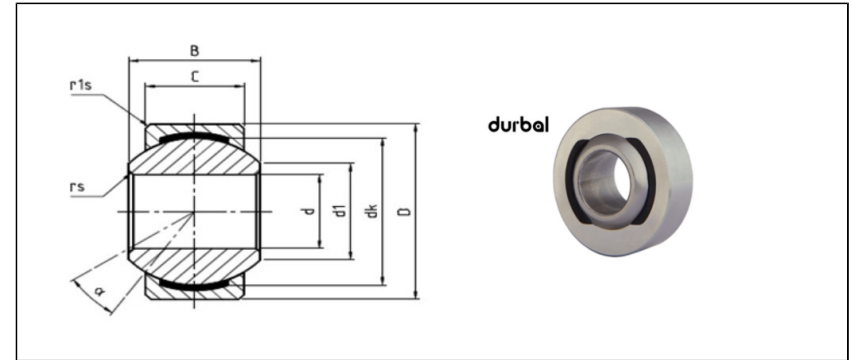
## Spherical Plain Bearings - Classic Line

Heavy-duty spherical-plain bearing, sliding combination steel / DURBAL-Glide (PTFE), series K, similar to DIN ISO 12240-1

### FEATURES AND ADVANTAGES

- Outer ring: C45 steel with injected DURBAL-Glide (Polyamid-PTFE-fibreglass-Compound)
- Joint ball: 100Cr6 ball bearing steel, hardened, ground, polished and hard chromium plated
- Maintenance: maintenance free
- Temperature range: -30° C to +60° C
- USE & MAINTENANCE : [see this page](#)
- STATIC LOAD SERVICE LIFE : [see this page](#)
- TOLERANCES : [see this page](#)

### COMPONENTS AND DIMENSIONS



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| Type               | Measurements [mm] |    |      |    |      |       |     |     | Tilt angle   | Rotational speed limit         | Axial factor |    | Basic load rating |              | Radial clearance | Weight |
|--------------------|-------------------|----|------|----|------|-------|-----|-----|--------------|--------------------------------|--------------|----|-------------------|--------------|------------------|--------|
|                    | d                 | D  | d1   | B  | C    | dk    | rs  | rs1 | $\alpha$ (°) | $n_{max}$ (min <sup>-1</sup> ) | Y            | Y0 | dyn C (kN)        | stat C0 (kN) | CN (µm)          | kg     |
| GLKS 06 - 20 - 500 | 6                 | 18 | 8.9  | 9  | 6.75 | 12.7  | 0.4 | 0.3 | 13           | -                              | -            | -  | 4.6               | 11.7         | 0-10             | 0.12   |
| GLKS 08 - 20 - 500 | 8                 | 22 | 10.3 | 12 | 9    | 15.87 | 0.4 | 0.5 | 14.5         | -                              | -            | -  | 7                 | 21.5         | 0-10             | 0.02   |
| GLKS 10 - 20 - 500 | 10                | 26 | 12.9 | 14 | 10.5 | 19.05 | 0.4 | 0.5 | 13.5         | -                              | -            | -  | 10.4              | 24.9         | 0-10             | 0.04   |
| GLKS 12 - 20 - 500 | 12                | 30 | 15.4 | 16 | 12   | 22.22 | 0.4 | 0.5 | 13           | -                              | -            | -  | 12.4              | 36.1         | 0-10             | 0.08   |
| GLKS 14 - 20 - 500 | 14                | 34 | 16.8 | 19 | 13.5 | 25.4  | 0.4 | 0.5 | 16           | -                              | -            | -  | 15.4              | 45.4         | 0-10             | 0.11   |
| GLKS 16 - 20 - 500 | 16                | 38 | 19.3 | 21 | 15   | 28.57 | 0.4 | 0.5 | 15.5         | -                              | -            | -  | 22.4              | 56.6         | 0-10             | 0.13   |
| GLKS 18 - 20 - 500 | 18                | 42 | 21.8 | 23 | 16.5 | 31.75 | 0.4 | 0.5 | 15           | -                              | -            | -  | 26.3              | 69.7         | 0-10             | 0.17   |
| GLKS 20 - 20 - 500 | 20                | 46 | 24.3 | 25 | 18   | 34.92 | 0.4 | 0.5 | 14.5         | -                              | -            | -  | 30.8              | 82.2         | 0-10             | 0.32   |
| GLKS 22 - 20 - 500 | 22                | 50 | 25.8 | 28 | 20   | 38.1  | 0.4 | 0.6 | 15.5         | -                              | -            | -  | 38.2              | 95.6         | 0-10             | 0.28   |
| GLKS 25 - 20 - 500 | 25                | 56 | 29.5 | 31 | 22   | 42.85 | 0.4 | 0.6 | 15           | -                              | -            | -  | 45.4              | 118.6        | 0-10             | 0.39   |
| GLKS 30 - 20 - 500 | 30                | 66 | 34.8 | 37 | 25   | 50.8  | 0.4 | 0.6 | 17           | -                              | -            | -  | 55                | 145.6        | 0-10             | 0.61   |

# ROTATIONAL UNITS