

WLK

Data sheet - rev. 1.0

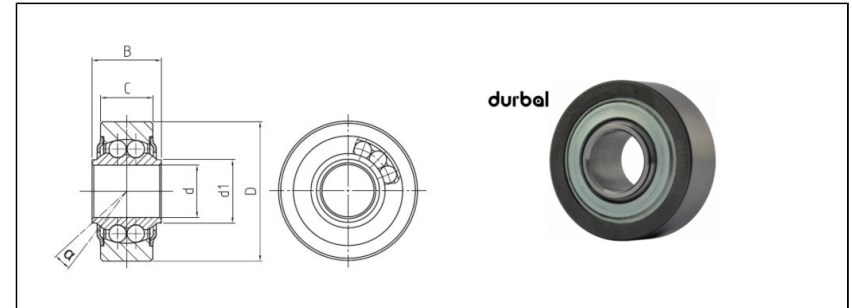
Spherical Plain Bearings - Premium Line

Heavy-duty spherical bearings with integral self-aligning ball bearing

FEATURES AND ADVANTAGES

- Outer ring: 100Cr6 ball bearing steel, hardened, runway superfinished
- Inner ring: 100Cr6 ball bearing steel, hardened, superfinished
- Rolling element: 100Cr6 ball bearing steel, hardened, superfinished
- Maintenance: low maintenance, aluminium-complex-soap-grease, approval according to USDA H1
- Temperature range: -45° 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 [mm] | | | | | | | | Tilt angle α (°) | Rotational speed limit n_{max} (min ⁻¹) | Axial factor | | Basic load rating | | Radial clearance CN (µm) | Weight kg |
|-------------------|-------------------|-----|-------|------|------|----|----|-----|----------------------------|--|--------------|------|-------------------|--------------|-----------------------------|--------------|
| | d | D | d1 | B | C | dk | rs | rs1 | | | Y | Y0 | dyn C (kN) | stat C0 (kN) | | |
| WLK 06 - 00 - 500 | 6 | 20 | 9 | 9 | 6.8 | - | - | - | 8 | 1350 | 2.09 | 2.19 | 2.8 | 0.7 | 10-30 | 0 |
| WLK 08 - 00 - 500 | 8 | 24 | 10.4 | 12 | 9 | - | - | - | 8.5 | 1300 | 1.8 | 1.89 | 4 | 1 | 10-30 | 0.03 |
| WLK 10 - 00 - 500 | 10 | 28 | 12.8 | 14 | 10.5 | - | - | - | 8 | 1225 | 1.9 | 1.81 | 4.5 | 1.5 | 10-30 | 0.05 |
| WLK 12 - 00 - 500 | 12 | 32 | 14.6 | 16 | 12 | - | - | - | 7.5 | 1125 | 1.74 | 1.82 | 5 | 1.8 | 10-30 | 0.07 |
| WLK 14 - 00 - 500 | 14 | 36 | 17.3 | 19 | 13.5 | - | - | - | 6 | 1025 | 2.36 | 2.48 | 5.6 | 2 | 10-30 | 0.11 |
| WLK 16 - 00 - 500 | 16 | 42 | 19 | 21 | 15 | - | - | - | 8 | 975 | 2.24 | 2.35 | 6.3 | 2.4 | 10-30 | 0.15 |
| WLK 18 - 00 - 500 | 18 | 46 | 21.9 | 23 | 16.5 | - | - | - | 8.5 | 900 | 2.21 | 2.31 | 7.1 | 2.9 | 10-30 | 0.2 |
| WLK 20 - 00 - 500 | 20 | 50 | 24.3 | 25 | 18 | - | - | - | 7 | 825 | 2.46 | 2.58 | 7.9 | 3.5 | 10-30 | 0.25 |
| WLK 22 - 00 - 500 | 22 | 54 | 25.8 | 28 | 20 | - | - | - | 8 | 725 | 2.35 | 2.24 | 9.3 | 4 | 10-30 | 0.34 |
| WLK 25 - 00 - 500 | 25 | 64 | 30.11 | 31 | 22 | - | - | - | 5 | 600 | 2.02 | 2.12 | 11 | 5.4 | 10-30 | 0.45 |
| WLK 30 - 00 - 500 | 30 | 70 | 34.5 | 34.7 | 25 | - | - | - | 7.5 | 450 | 2.24 | 2.35 | 14.2 | 7.5 | 10-30 | 0.69 |
| WLK 35 - 00 - 500 | 35 | 92 | 44.5 | 48 | 35 | - | - | - | 7 | 400 | 1.97 | 2.07 | 23.4 | 11.2 | 10-30 | 1.45 |
| WLK 40 - 00 - 500 | 40 | 120 | 60 | 66 | 49 | - | - | - | 7 | 360 | 2.01 | 2.1 | 36.7 | 16.7 | 10-30 | 3.2 |

ROTATIONAL UNITS