

# WLT Niro

Data sheet - rev. 1.0

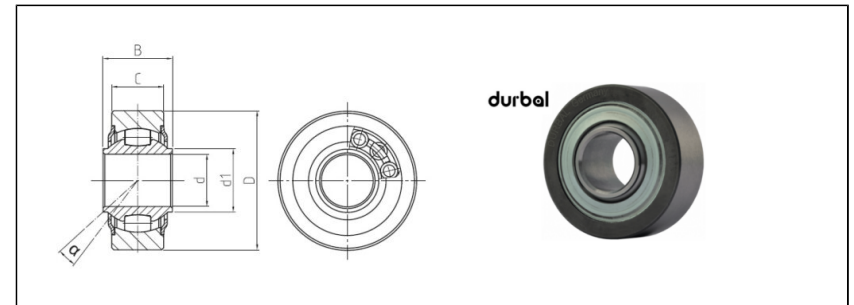
## Spherical Plain Bearings - Premium Line Stainless Steel

Heavy-duty spherical-plain bearings with integral self-aligning roller bearing, stainless steel, cage design

### FEATURES AND ADVANTAGES

- Outer ring: AISI 440b stainless steel, hardened, runway superfinished
- Inner ring: AISI 440b stainless steel, hardened, superfinished
- Rolling element: AISI 440c stainless 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   | 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     |
| <b>WLT 10 - 60 - 500</b> | <b>10</b>         | 28 | 12.7 | 14 | 10.5 | -  | -  | -   | 8            | 1225                           | 9.5          | 5  | 6.7               | 3.8          | 10-30            | 0.04   |
| <b>WLT 12 - 60 - 500</b> | <b>12</b>         | 32 | 14.6 | 16 | 12   | -  | -  | -   | 7            | 1125                           | 9.5          | 5  | 7.2               | 4.6          | 10-30            | 0.06   |
| <b>WLT 16 - 60 - 500</b> | <b>16</b>         | 42 | 19   | 21 | 15   | -  | -  | -   | 8            | 975                            | 9.5          | 5  | 9.3               | 6.2          | 10-30            | 0.13   |
| <b>WLT 20 - 60 - 500</b> | <b>20</b>         | 50 | 24.3 | 25 | 18   | -  | -  | -   | 7            | 825                            | 9.5          | 5  | 11.9              | 8.2          | 10-30            | 0.21   |
| <b>WLT 25 - 60 - 500</b> | <b>25</b>         | 64 | 30.1 | 31 | 22   | -  | -  | -   | 5            | 600                            | 9.5          | 5  | 17.4              | 13           | 10-30            | 0.34   |
| <b>WLT 30 - 60 - 500</b> | <b>30</b>         | 70 | 34.5 | 37 | 25   | -  | -  | -   | 7.5          | 450                            | 9.5          | 5  | 22.8              | 17.4         | 10-30            | 0.6    |

# ROTATIONAL UNITS