

# DGE DW-2RS

Data sheet - rev. 1.0

## Spherical Plain Bearings - Basic Line

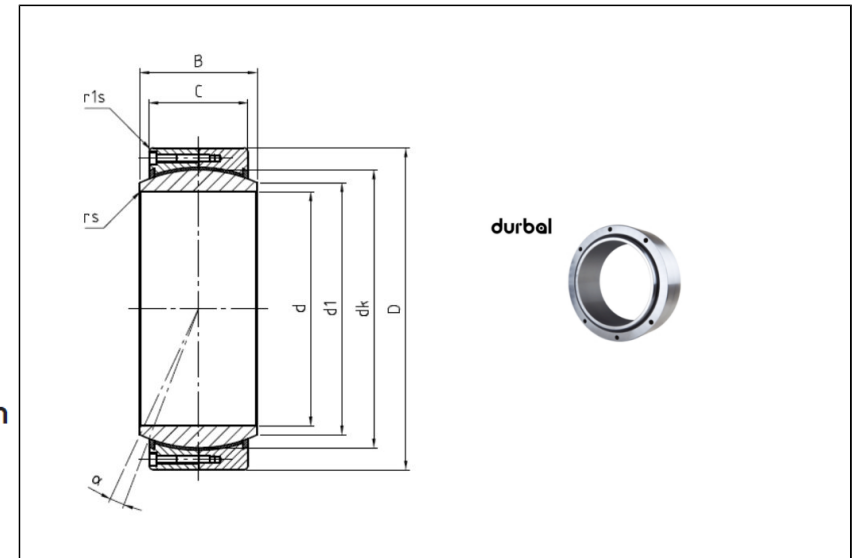
XXL-Large-radial-spherical-plain bearing, sliding combination steel / PTFE, with -2RS lip seals on both sides, series C, according to DIN ISO 12240-1

## FEATURES AND ADVANTAGES

- Outer ring: heat-treated steel, hardened, radially split, it is held together by means of screws and dowel pins, bonded with PTFE – sheet, with -2RS lip seals on both sides
- Joint ball: ball bearing steel, hardened, ground, polished and hard chromium plated
- Maintenance: maintenance free
- Temperature range: -40° C to +120° 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 |
|----------------|-------------------|-----|-------|-----|-----|-----|-----|-----|------------|---------------------------------------|--------------|----|-------------------|--------------|------------------|--------|
|                | d                 | D   | d1    | B   | C   | dk  | rs  | rs1 | α (°)      | n <sub>max</sub> (min <sup>-1</sup> ) | Y            | Y0 | dyn C (kN)        | stat C0 (kN) | CN (μm)          | kg     |
| DGE 320 DW-2RS | 320               | 440 | 344.6 | 160 | 135 | 380 | 1.1 | 3   | 4          | -                                     | -            | -  | 12312             | 20520        | 0-125            | 77     |
| DGE 340 DW-2RS | 340               | 460 | 366.6 | 160 | 135 | 400 | 1.1 | 3   | 3.8        | -                                     | -            | -  | 12960             | 21600        | 0-125            | 82     |
| DGE 360 DW-2RS | 360               | 480 | 388.3 | 160 | 135 | 420 | 1.1 | 3   | 3.6        | -                                     | -            | -  | 13608             | 22680        | 0-135            | 84.2   |
| DGE 380 DW-2RS | 380               | 520 | 407.9 | 190 | 160 | 150 | 1.5 | 4   | 4.1        | -                                     | -            | -  | 17280             | 28800        | 0-135            | 129    |
| DGE 400 DW-2RS | 400               | 540 | 429.8 | 190 | 160 | 470 | 1.5 | 4   | 3.9        | -                                     | -            | -  | 18048             | 30080        | 0-135            | 133    |
| DGE 420 DW-2RS | 420               | 560 | 451.6 | 190 | 160 | 490 | 1.5 | 4   | 3.7        | -                                     | -            | -  | 18816             | 31360        | 0-135            | 138    |
| DGE 440 DW-2RS | 440               | 600 | 472   | 218 | 185 | 520 | 1.5 | 4   | 3.9        | -                                     | -            | -  | 23088             | 38480        | 0-145            | 193    |
| DGE 460 DW-2RS | 460               | 620 | 494   | 218 | 185 | 540 | 1.5 | 4   | 3.7        | -                                     | -            | -  | 23976             | 39960        | 0-145            | 200    |
| DGE 480 DW-2RS | 480               | 650 | 516   | 230 | 195 | 565 | 2   | 5   | 3.8        | -                                     | -            | -  | 26442             | 44070        | 0-145            | 237    |
| DGE 500 DW-2RS | 500               | 670 | 537.8 | 230 | 195 | 585 | 2   | 5   | 3.6        | -                                     | -            | -  | 27378             | 45630        | 0-145            | 244    |
| DGE 530 DW-2RS | 530               | 710 | 570.3 | 243 | 205 | 620 | 2   | 5   | 3.7        | -                                     | -            | -  | 30504             | 50840        | 0-145            | 289    |
| DGE 560 DW-2RS | 560               | 750 | 602   | 258 | 215 | 655 | 2   | 5   | 4          | -                                     | -            | -  | 33798             | 56330        | 0-160            | 325    |
| DGE 600 DW-2RS | 600               | 800 | 644.9 | 272 | 230 | 700 | 2   | 5   | 3.6        | -                                     | -            | -  | 38640             | 64400        | 0-160            | 407    |

# ROTATIONAL UNITS