



GE20-PW

Spherical plain bearing

Schaeffler ID:
0066499980000

Radial spherical plain bearing,
maintenance-free, sliding layer: PTFE
film, brass outer ring, DIN ISO 12240-1,
dimension series K, open design

Technical information

Main Dimensions & Performance Data

| | | |
|----------|-----------|-----------------------------------|
| D | 40 mm | Outside diameter bearing |
| d | 20 mm | Bore diameter bearing |
| B | 25 mm | Width Inner ring |
| C | 18 mm | Width Outer ring |
| C_r | 56,600 N | Basic dynamic load rating, radial |
| C_{0r} | 141,000 N | Basic static load rating, radial |
| | 0.145 kg | Weight |

Dimensions

| | | |
|----------|------------------|----------------------------------------|
| d_K | 34.925 mm | Ball diameter |
| α | 14 ° | Tilt angle |
| G_r | 0,006 - 0,035 mm | Radial Clearance |
| d_{OT} | 0.021 mm | Bore diameter bearing, upper tolerance |
| d_{UT} | 0 mm | Bore diameter bearing, lower tolerance |
| d_T | H7 mm | Bore diameter bearing, tolerance |
| D_{OT} | 0 mm | Outside diameter, upper tolerance |
| D_{UT} | -0.011 mm | Outside diameter, lower tolerance |
| B_{OT} | 0 mm | Width inner ring, upper tolerance |
| B_{UT} | -0.12 mm | Width inner ring, lower tolerance |
| C_{OT} | 0 mm | Width outer ring, upper tolerance |

Mounting dimensions

| | | |
|-------------|---------|-------------------------------|
| r_{1smin} | 0.3 mm | Edge Spacing |
| r_{2smin} | 0.6 mm | Edge Spacing |
| d_{amax} | 24.3 mm | Connection measure Inner ring |
| D_{amin} | 31.5 mm | Housing Connection Diameter |

Temperature range

| | | |
|-----------|--------|----------------------------|
| T_{min} | -50 °C | Operating temperature min. |
| T_{max} | 200 °C | Operating temperature max. |

