

**GAR20-UK**

Rod end

Rod end with external thread, right hand thread, maintenance-free, sliding layer: PTFE composite, DIN ISO 12240-4, dimension series E, type M, inner ring curved surface with hard chromium coating, open design

Technical information

**Your current product variant**

| | |
|----------------|------------------------|
| Clampable | Not clampable |
| Mounting bolt | External thread |
| Grease nipples | Cannot be relubricated |
| Slotted | No |
| Thread Pitch | Right-hand thread |
| Maintenance | Maintenance free |
| Sealing | Without |

Main Dimensions & Performance Data

| | | |
|-------------|----------|---------------------------|
| d_2 | 53 mm | Outer diameter eye |
| C_r | 31.300 N | Basic dynamic load rating |
| C_{0r} | 75.600 N | Basic static load rating |
| d | 20 mm | Bore diameter bearing |
| D | 35 mm | Outside diameter bearing |
| l_2 | 104,5 mm | Total length |
| B | 16 mm | Width inner ring |
| $\approx m$ | 0,327 kg | Weight |



Dimensions

| | | |
|------------|----------|--|
| d_k | 29 mm | Ball diameter |
| d_1 | 24,1 mm | Outer flange diameter inner ring |
| d_3 | M20x1,5 | Thread size |
| h | 78 mm | Length of thread |
| C_1 | 13 mm | Width of the rod end |
| α | 9 ° | Tilt angle |
| l_1 | 43 mm | Thread length |
| l_7 | 27 mm | Length of the flat surface from the bearing bore centre to the shank |
| B_{UT} | -0,12 mm | Width inner ring , lower tolerance |
| B_{OT} | 0 mm | Width inner ring; upper tolerance |
| d_{UT} | -0,01 mm | Bore diameter, lower tolerance |
| d_{OT} | 0 mm | Bore diameter bearing upper tolerance |
| G_r | 0 - 0,04 | Radial clearance |
| G_{rmax} | 0,04 mm | Radial clearance, maximum |
| G_{rmin} | 0 mm | Radial clearance, minimum |

Temperature range

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

Mounting dimensions

| | | |
|----------|--------|---|
| r_{1s} | 0,3 mm | Smallest single chamfer dimension, inner ring |
|----------|--------|---|



Characteristics



Radial load



Lifetime lubrication, freedom from maintenance



Not sealed



Static angular error and misalignment



Dynamic angular error and misalignment