

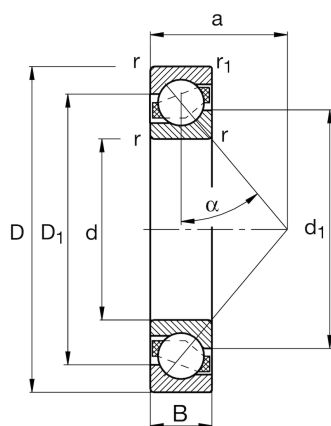
71811-TN

Angular contact ball bearing

Schaeffler ID:
0096210590000

Angular contact ball bearing 718.-B-TVP,
single row, plastic cage

Technical information



Main Dimensions & Performance Data

| | | |
|----------|--------------|-----------------------------------|
| d | 55 mm | Bore diameter |
| D | 72 mm | Outside diameter |
| B | 9 mm | Width |
| C_r | 11,800 N | Basic dynamic load rating, radial |
| C_{0r} | 11,800 N | Basic static load rating, radial |
| C_{ur} | 780 N | Fatigue load limit, radial |
| n_G | 11,400 1/min | Limiting speed |
| n_{gr} | 5,600 1/min | Reference speed |
| | 0.081 kg | Weight |

Additional information

| | | |
|-------------|---------|---|
| r_{min} | 0.3 mm | Minimum chamfer dimension |
| $r_{1 min}$ | 0.2 mm | Minimum chamfer dimension |
| D_1 | 65.3 mm | Shoulder diameter on outer ring wide side face |
| d_1 | 61.7 mm | Shoulder diameter on inner ring wide side face |
| a | 31.1 mm | Distance between the apexes of the pressure cones |
| α | 40 ° | Contact angle |

Mounting dimensions

| | | |
|--------------|--------|---|
| $d_{a min}$ | 57 mm | Minimum diameter of shaft shoulder |
| $D_{a max}$ | 70 mm | Maximum diameter of housing shoulder |
| $D_{b max}$ | 70 mm | Maximaler Durchmesser der Gehäuseschulter |
| $r_{a max}$ | 0.3 mm | Maximum fillet radius of shaft |
| $r_{a1 max}$ | 0.2 mm | Maximum fillet radius of housing |

Temperature range

| | | |
|-----------|--------|----------------------------|
| T_{min} | -30 °C | Operating temperature min. |
| T_{max} | 120 °C | Operating temperature max. |

