



FAG

NUP2311-E-XL-TVP2

Cylindrical roller bearing

Schaeffler ID:
0167412690000

Cylindrical roller bearing NUP.-E-XL-TVP2, with cage, single row, locating bearing, 2 ribs on outer ring, 1 rib on inner ring, rib washer internal, type NUP

X-life

Technical information



Main Dimensions & Performance Data

| | | |
|----------|-------------|-----------------------------------|
| d | 55 mm | Bore diameter |
| D | 120 mm | Outside diameter |
| B | 43 mm | Width |
| C_r | 235,000 N | Basic dynamic load rating, radial |
| C_{0r} | 230,000 N | Basic static load rating, radial |
| C_{ur} | 44,000 N | Fatigue load limit, radial |
| n_G | 8,000 1/min | Limiting speed |
| n_{gr} | 4,500 1/min | Reference speed |
| | 2.29 kg | Weight |

Dimensions

| | | |
|------------|----------|-----------------------------|
| r_{min} | 2 mm | Minimum chamfer dimension |
| r_{1min} | 2 mm | Minimum chamfer dimension |
| E | 106.5 mm | Raceway diameter outer ring |
| F | 70.5 mm | Raceway diameter inner ring |
| B_3 | 6.5 mm | Width of loose rib |

Mounting dimensions

| | | |
|------------|----------|--------------------------------------|
| d_1 | 77.5 mm | Maximum rib diameter inner ring |
| D_{1min} | 101.4 mm | Minimum rib diameter outer ring |
| d_{amin} | 66 mm | Minimum diameter shaft shoulder |
| d_{cmin} | 80 mm | Minimum shaft shoulder |
| D_{amax} | 109 mm | Maximum diameter of housing shoulder |
| r_{amax} | 2 mm | Maximum recess radius |

Temperature range

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

