



FAG

★ NU416-XL-M1

Cylindrical roller bearing

Schaeffler ID:
0192507460000

★ Preferred product

Cylindrical roller bearing NU...-XL-M1, with cage, single row, non-locating bearing, 2 ribs on outer ring, 0 ribs on inner ring (smooth), type NU

X-life

Technical information

Temperature range

| | | |
|-----------|--------|----------------------------|
| T_{min} | -30 °C | Operating temperature min. |
| T_{max} | 150 °C | Operating temperature max. |
| | 8,2 kg | Weight |

Main Dimensions & Performance Data

| | | |
|----------|-------------|-----------------------------------|
| d | 80 mm | Bore diameter |
| D | 200 mm | Outside diameter |
| B | 48 mm | Width |
| C_r | 395.000 N | Basic dynamic load rating, radial |
| C_{0r} | 365.000 N | Basic static load rating, radial |
| C_{ur} | 47.000 N | Fatigue load limit, radial |
| n_G | 5.400 1/min | Limiting speed |
| n_{gr} | 3.750 1/min | Reference speed |

Dimensions

| | | |
|-------------|----------|---------------------------------|
| r_{min} | 3 mm | Minimum chamfer dimension |
| $r_{1 min}$ | 3 mm | Minimum chamfer dimension |
| s | 4,6 mm | Axial displacement |
| E | 170 mm | Raceway diameter outer ring |
| F | 110 mm | Raceway diameter inner ring |
| $D_{1 min}$ | 159,7 mm | Minimum rib diameter outer ring |

Mounting dimensions

| | | |
|--------------|--------|--------------------------------------|
| $d_{a min}$ | 96 mm | Minimum diameter shaft shoulder |
| $d_{a max}$ | 109 mm | Maximum diameter of shaft shoulder |
| $d_{b min}$ | 112 mm | Minimum shaft shoulder |
| $D_{a max}$ | 184 mm | Maximum diameter of housing shoulder |
| $r_{a max}$ | 2,5 mm | Maximum recess radius |
| $r_{a1 max}$ | 2,5 mm | Maximum recess radius |



