



FAG

★ 21322-E1-XL-TVPB

Spherical roller bearing

Schaeffler ID:
0190150110000Spherical roller bearings 213...-E1, main
dimensions to DIN 635-2

★ Preferred product

X-life

Technical information



Temperature range

| | | |
|-----------|-----------|----------------------------|
| T_{min} | -30 °C | Operating temperature min. |
| T_{max} | 120 °C | Operating temperature max. |
| | 10,793 kg | Weight |

Main Dimensions & Performance Data

| | | |
|----------|-------------|-----------------------------------|
| d | 110 mm | Bore diameter |
| D | 240 mm | Outside diameter |
| B | 50 mm | Width |
| C_r | 600.000 N | Basic dynamic load rating, radial |
| C_{0r} | 640.000 N | Basic static load rating, radial |
| C_{ur} | 70.000 N | Fatigue load limit, radial |
| n_G | 4.000 1/min | Limiting speed |
| n_{gr} | 2.700 1/min | Reference speed |

Dimensions

| | | |
|-----------|----------|------------------------------------|
| r_{min} | 3 mm | Minimum chamfer dimension |
| D_1 | 202,5 mm | Bore diameter outer ring |
| d_2 | 146,4 mm | Raceway diameter of the inner ring |
| d_s | 6,3 mm | Diameter lubrication hole |
| n_s | 12,2 mm | Width of lubricating groove |

Mounting dimensions

| | | |
|-------------|--------|--------------------------------------|
| $d_{a min}$ | 124 mm | Minimum diameter shaft shoulder |
| $D_{a max}$ | 226 mm | Maximum diameter of housing shoulder |
| $r_{a max}$ | 2,5 mm | Maximum recess radius |

Additional information

| | | |
|----------------|------|--|
| e | 0,21 | Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y |
| Y ₁ | 3,24 | Dynamic axial load factor |
| Y ₂ | 4,82 | Dynamic axial load factor |
| Y ₀ | 3,16 | Static axial load factor |