



FAG

22226-E1A-XL-M

Spherical Roller Bearing

Spherical roller bearing 222...-E1A-XL-M,
symmetric 2 outer ribs

X-life

Technical information



Your current product variant

| | | |
|---------------------------|--------------|---------------------------|
| Design | E1A | Without central rip |
| Bore type | Z | Cylindrical |
| Cage | M | Brass Cage |
| Radial internal clearance | CN (Group N) | Normal internal clearance |
| Relubrication facility | Standard | |

Main Dimensions & Performance Data

| | | |
|-------------|-------------|-----------------------------------|
| d | 130 mm | Bore diameter |
| D | 230 mm | Outside diameter |
| B | 64 mm | Width |
| C_r | 760.000 N | Basic dynamic load rating, radial |
| C_{0r} | 890.000 N | Basic static load rating, radial |
| C_{ur} | 81.000 N | Fatigue load limit, radial |
| n_G | 3.350 1/min | Limiting speed |
| n_{gr} | 2.500 1/min | Reference speed |
| $\approx m$ | 11,31 kg | Weight |

Mounting dimensions

| | | |
|---------------------|--------|--------------------------------------|
| $d_{a \text{ min}}$ | 144 mm | Minimum diameter shaft shoulder |
| $D_{a \text{ max}}$ | 216 mm | Maximum diameter of housing shoulder |
| $r_{a \text{ max}}$ | 2,5 mm | Maximum recess radius |



Dimensions

| | | |
|------------|----------|------------------------------------|
| r_{\min} | 3 mm | Minimum chamfer dimension |
| D_1 | 205 mm | Bore diameter outer ring |
| d_2 | 151,7 mm | Raceway diameter of the inner ring |
| d_s | 6,3 mm | Diameter lubrication hole |
| n_s | 12,2 mm | Width of lubricating groove |







Temperature range

| | | |
|------------|--------|----------------------------|
| T_{\min} | -30 °C | Operating temperature min. |
| T_{\max} | 200 °C | Operating temperature max. |

Calculation factors

| | | |
|-------|------|--|
| e | 0,26 | Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y |
| Y_1 | 2,62 | Dynamic axial load factor |
| Y_2 | 3,9 | Dynamic axial load factor |
| Y_0 | 2,56 | Static axial load factor |

Characteristics

-  Radial load
-  Axial load in one direction
-  Axial load in two directions
-  Grease Lubrication
-  Oil Lubrication
-  Static angular error and misalignment