



FAG

★ 22326-E1-XL-K

Spherical roller bearing

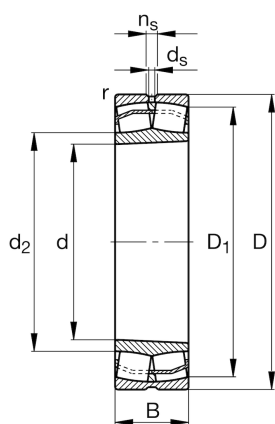
Schaeffler ID:
0190009010000

★ Preferred product

X-life

Spherical roller bearings 223...E1-K, main dimensions to DIN 635-2, with tapered bore, taper 1:12

Technical information



Main Dimensions & Performance Data

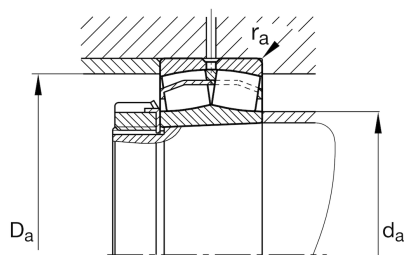
| | | |
|----------|-------------|-----------------------------------|
| d | 130 mm | Bore diameter |
| D | 280 mm | Outside diameter |
| B | 93 mm | Width |
| C_r | 1.250.000 N | Basic dynamic load rating, radial |
| C_{0r} | 1.370.000 N | Basic static load rating, radial |
| C_{ur} | 120.000 N | Fatigue load limit, radial |
| n_G | 2.650 1/min | Limiting speed |
| n_{gr} | 1.820 1/min | Reference speed |
| | 26,709 kg | Weight |

Additional information

| | | |
|-----------|----------|------------------------------------|
| r_{min} | 4 mm | Minimum chamfer dimension |
| | H2326 | Adapter sleeve |
| D_1 | 239,5 mm | Bore diameter outer ring |
| | AHX2326G | Withdrawal sleeve |
| d_2 | 162,2 mm | Raceway diameter of the inner ring |
| d_s | 9,5 mm | Diameter lubrication hole |
| n_s | 17,7 mm | Width of lubricating groove |

Mounting dimensions

| | | |
|-------------|--------|---------------------------------------|
| $d_{a min}$ | 147 mm | Minimum diameter shaft shoulder |
| $d_{a max}$ | 162 mm | Maximum diameter of shaft shoulder |
| $D_{a max}$ | 263 mm | Maximum diameter of housing shoulder |
| $r_{a max}$ | 3 mm | Maximum recess radius |
| $d_{b min}$ | 142 mm | Minimum cavity diameter of the sleeve |
| $B_{a min}$ | 8 mm | Minimum cavity width of the sleeve |



Calculation factors

| | | |
|----------------|------|--|
| e | 0,33 | Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y |
| Y ₁ | 2,06 | Dynamic axial load factor |
| Y ₂ | 3,06 | Dynamic axial load factor |
| Y ₀ | 2,01 | Static axial load factor |

Temperature range

| | | |
|------------------|--------|----------------------------|
| T _{min} | -30 °C | Operating temperature min. |
| T _{max} | 200 °C | Operating temperature max. |