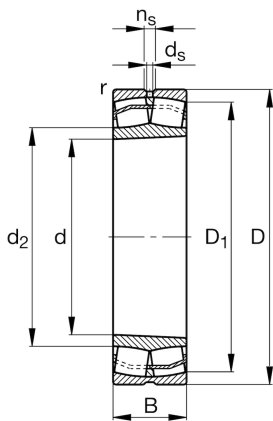
**23228-E1-XL-K-TVPB**

Spherical roller bearing

Schaeffler ID:
0190360270000

Spherical roller bearings 232...-E1-K, main dimensions to DIN 635-2, with tapered bore, taper 1:12

Technical information

**Dimensions**

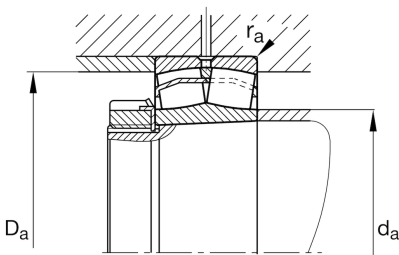
| | | |
|------------|-----------|------------------------------------|
| r_{\min} | 3 mm | Minimum chamfer dimension |
| D_1 | 216 mm | Bore diameter outer ring |
| d_2 | 162 mm | Raceway diameter of the inner ring |
| d_s | 6,3 mm | Diameter lubrication hole |
| n_s | 12,2 mm | Width of lubricating groove |
| | 16,943 kg | Weight |

Main Dimensions & Performance Data

| | | |
|----------|-------------|-----------------------------------|
| d | 140 mm | Bore diameter |
| D | 250 mm | Outside diameter |
| B | 88 mm | Width |
| C_r | 1.090.000 N | Basic dynamic load rating, radial |
| C_{0r} | 1.400.000 N | Basic static load rating, radial |
| C_{ur} | 116.000 N | Fatigue load limit, radial |
| n_G | 2.600 1/min | Limiting speed |
| n_{gr} | 1.550 1/min | Reference speed |

Mounting dimensions

| | | |
|--------------|--------|---------------------------------------|
| $d_{a \min}$ | 154 mm | Minimum diameter shaft shoulder |
| $D_{a \max}$ | 236 mm | Maximum diameter of housing shoulder |
| $r_{a \max}$ | 2,5 mm | Maximum recess radius |
| $B_{a \min}$ | 22 mm | Minimum cavity width of the sleeve |
| $d_{a \max}$ | 162 mm | Maximum diameter of shaft shoulder |
| $d_{b \min}$ | 152 mm | Minimum cavity diameter 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 | 2,04 | Dynamic axial load factor |
| Y ₂ | 3,04 | Dynamic axial load factor |
| Y ₀ | 2 | Static axial load factor |

Additional information

| | |
|----------|-------------------|
| H2328 | Adapter sleeve |
| AHX3228G | Withdrawal sleeve |

Temperature range

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