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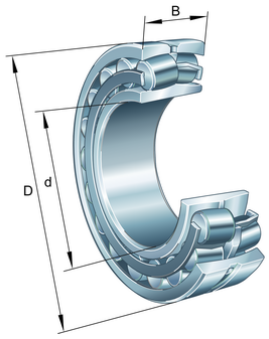



FAG

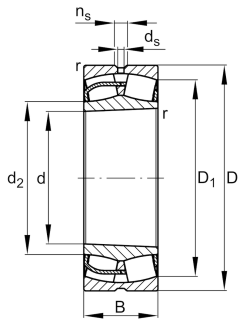
X-life

# 24126-BE-XL-K30

Spherical Roller Bearing

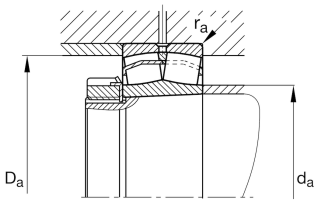
Spherical roller bearings 241..-BE-K30, main dimensions to DIN 635-2, with tapered bore, taper 1:30

## Technical information




### Your current product variant

| | | |
|---|---|---|
| Design | BE | With lose center lip ring |
| Bore type | K30 | Tapered, taper 1:30 |
| Cage | JPB | Sheet metal cage |
| Radial internal clearance | CN (Group N) | Normal internal clearance |
| Relubrication facility | Standard | |




### Main Dimensions & Performance Data

| | | |
|---|---|---|
| d | 130 mm | Bore diameter |
| D | 210 mm | Outside diameter |
| B | 80 mm | Width |
| $C_r$ | 710.000 N | Basic dynamic load rating, radial |
| $C_{0r}$ | 1.050.000 N | Basic static load rating, radial |
| $C_{ur}$ | 112.000 N | Fatigue load limit, radial |
| $n_G$ | 2.800 1/min | Limiting speed |
| $n_{\vartheta r}$ | 1.560 1/min | Reference speed |
| ≈m | 10,412 kg | Weight |

## Mounting dimensions

| | | |
|---|---|---|
| $d_{a\ min}$ | 141 mm | Minimum diameter shaft shoulder |
| $D_{a\ max}$ | 199 mm | Maximum diameter of housing shoulder |
| $r_{a\ max}$ | 2 mm | Maximum recess radius |

## Dimensions

| | | |
|---|---|---|
| $r_{min}$ | 2 mm | Minimum chamfer dimension |
| $D_1$ | 181,2 mm | Bore diameter outer ring |
| $d_2$ | 148,3 mm | Raceway diameter of the inner ring |
| $d_s$ | 3,2 mm | Diameter lubrication hole |
| $n_s$ | 6,5 mm | Width of lubricating groove |

## Temperature range

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

## Calculation factors

| | | |
|---|---|---|
| e | 0,34 | Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y |
| $Y_1$ | 1,98 | Dynamic axial load factor |
| $Y_2$ | 2,94 | Dynamic axial load factor |
| $Y_0$ | 1,93 | Static axial load factor |

## Additional information

| | | |
|---|---|---|
| | AH24126 | Withdrawal sleeve |

## Characteristics

Radial load

Axial load in one direction

Axial load in two directions


Grease Lubrication


Oil Lubrication


Not sealed


Static angular error and misalignment


Dynamic angular error and misalignment