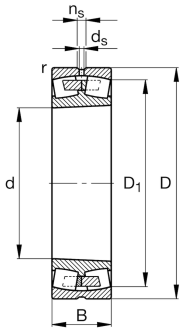


**FAG****248/1500-B-K30-MB-C3**

Spherical Roller Bearing

Spherical roller bearing 248..-B-K30-MB,
symmetric 3 ribs

Technical information



Your current product variant

| | | |
|---------------------------|--------------|-----------------------------------|
| Design | B | With fixed central rib |
| Bore type | K30 | Tapered, taper 1:30 |
| Cage | MB | Solid brass cage |
| Radial internal clearance | C3 (Group 3) | Internal clearance larger than CN |
| Relubrication facility | Standard | |

Main Dimensions & Performance Data

| | | |
|-----------------|--------------|-----------------------------------|
| d | 1.500 mm | Bore diameter |
| D | 1.820 mm | Outside diameter |
| B | 315 mm | Width |
| C _r | 13.000.000 N | Basic dynamic load rating, radial |
| C _{0r} | 44.500.000 N | Basic static load rating, radial |
| C _{ur} | 2.440.000 N | Fatigue load limit, radial |
| n _G | 255 1/min | Limiting speed |
| n _{gr} | 58 1/min | Reference speed |
| m | 1.700 kg | Weight |

Mounting dimensions

| | | |
|--------------------|----------|--------------------------------------|
| d _{a min} | 1.528 mm | Minimum diameter shaft shoulder |
| D _{a max} | 1.792 mm | Maximum diameter of housing shoulder |
| r _{a max} | 6 mm | Maximum recess radius |



Dimensions

| | | |
|------------|------------|-----------------------------|
| r_{\min} | 7,5 mm | Minimum chamfer dimension |
| D_1 | 1.722,1 mm | Bore diameter outer ring |
| d_s | 12,5 mm | Diameter lubrication hole |
| n_s | 23,5 mm | Width of lubricating groove |

Temperature range

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

Calculation factors

| | | |
|-------|------|--|
| e | 0,15 | Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y |
| Y_1 | 4,47 | Dynamic axial load factor |
| Y_2 | 6,65 | Dynamic axial load factor |
| Y_0 | 4,37 | Static axial load factor |