

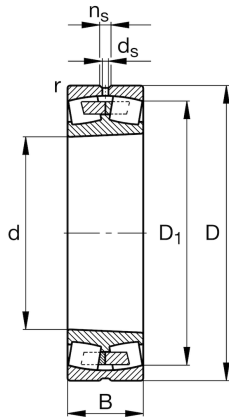
FAG

23992-B-K-MB-C3

Spherical roller bearing

Materiálové číslo Schaeffler:
0190435030030Spherical roller bearings 239...-K, main
dimensions to DIN 635-2, with tapered
bore, taper 1:12

Technické informace



Main Dimensions & Performance Data

| | | |
|----------|-------------|-----------------------------------|
| d | 460 mm | Bore diameter |
| D | 620 mm | Outside diameter |
| B | 118 mm | Width |
| C_r | 2.270.000 N | Basic dynamic load rating, radial |
| C_{0r} | 5.400.000 N | Basic static load rating, radial |
| C_{ur} | 380.000 N | Fatigue load limit, radial |
| n_G | 1.080 1/min | Limiting speed |
| n_{gr} | 590 1/min | Reference speed |
| | 100,5 kg | {Hmotnost} |

Mounting dimensions

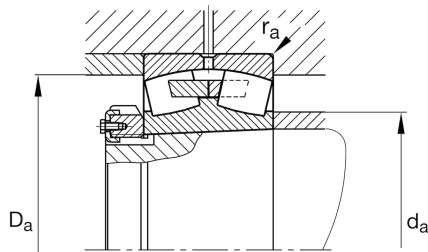
| | | |
|--------------|----------|---------------------------------------|
| $d_{a \min}$ | 474,6 mm | Minimum diameter shaft shoulder |
| $D_{a \max}$ | 605,4 mm | Maximum diameter of housing shoulder |
| $r_{a \max}$ | 3 mm | Maximum recess radius |
| $d_{a \max}$ | 500 mm | Maximum diameter of shaft shoulder |
| $d_{b \min}$ | 474 mm | Minimum cavity diameter of the sleeve |
| $B_{a \min}$ | 17 mm | Minimum cavity width of the sleeve |

Dimensions

| | | |
|------------|----------|-----------------------------|
| r_{\min} | 4 mm | Minimum chamfer dimension |
| D_1 | 573,3 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 | 0,18 | Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y |
| Y ₁ | 3,85 | Dynamic axial load factor |
| Y ₂ | 5,73 | Dynamic axial load factor |
| Y ₀ | 3,76 | Static axial load factor |

Additional information

| | |
|----------|-------------------|
| H3992-HG | Adapter sleeve |
| AH3992-H | Withdrawal sleeve |