



FAG

## NJ2320-E-XL-M1A-QP51-C4

Cylindrical roller bearing

Schaeffler ID:  
0382605810040Cylindrical roller bearing NJ..-E-XL-M1A,  
with cage, single row, semi-locating  
bearing, 2 ribs on outer ring, 1 rib on inner  
ring, type NJ

X-life

## Technical information

## Main Dimensions &amp; Performance Data

|                 |             |                                   |
|-----------------|-------------|-----------------------------------|
| d               | 100 mm      | Bore diameter                     |
| D               | 215 mm      | Outside diameter                  |
| B               | 73 mm       | Width                             |
| C <sub>r</sub>  | 680.000 N   | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 720.000 N   | Basic static load rating, radial  |
| C <sub>ur</sub> | 125.000 N   | Fatigue load limit, radial        |
| n <sub>G</sub>  | 5.600 1/min | Limiting speed                    |
| n <sub>gr</sub> | 2.500 1/min | Reference speed                   |
|                 | 13,46 kg    | Weight                            |

## Dimensions

|                    |           |                                      |
|--------------------|-----------|--------------------------------------|
| d <sub>a min</sub> | 114 mm    | Minimum diameter shaft shoulder      |
| r <sub>min</sub>   | 3 mm      | Minimum chamfer dimension            |
| d <sub>a max</sub> | 125 mm    | Maximum diameter of shaft shoulder   |
| r <sub>1 min</sub> | 3 mm      | Minimum chamfer dimension            |
| s                  | 4,2 mm    | Axial displacement                   |
| D <sub>a max</sub> | 201 mm    | Maximum diameter of housing shoulder |
| E                  | 191,5 mm  | Raceway diameter outer ring          |
| F                  | 127,5 mm  | Raceway diameter inner ring          |
| D <sub>1 min</sub> | 181,95 mm | Minimum rib diameter outer ring      |
| d <sub>c min</sub> | 143 mm    | Minimum shaft shoulder               |
| d <sub>1</sub>     | 139,4 mm  | Maximum rib diameter inner ring      |
| r <sub>a max</sub> | 2,5 mm    | Maximum recess radius                |

## Additional information

|          |          |
|----------|----------|
| HJ2320-E | L-washer |
|----------|----------|

## Temperature range

|                  |        |                            |
|------------------|--------|----------------------------|
| T <sub>min</sub> | -30 °C | Operating temperature min. |
| T <sub>max</sub> | 150 °C | Operating temperature max. |