



FAG

**NJ218-E-XL-TVP2-C3** 

Cylindrical roller bearing

Cylindrical roller bearing NJ...-E-XL-TVP2,  
with cage, single row, semi-locating bearing,  
2 ribs on outer ring, 1 rib on inner ring, type  
NJ

X-life

## Informacje techniczne



## Twoja aktualna wersja produktu

|                           |              |                                   |
|---------------------------|--------------|-----------------------------------|
| Design                    | E            | Increased Capacity Design         |
| Cage                      | TVP2         | Solid Window Cage made from PA66  |
| Radial internal clearance | C3 (Group 3) | Internal clearance larger than CN |
| Tolerance class           | PN           | Normal (ISO 492:2023)             |
| Number of rows            | 1            | Single-row design                 |

## Main Dimensions &amp; Performance Data

|                 |             |                                   |
|-----------------|-------------|-----------------------------------|
| d               | 90 mm       | Bore diameter                     |
| D               | 160 mm      | Outside diameter                  |
| B               | 30 mm       | Width                             |
| C <sub>r</sub>  | 215.000 N   | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 217.000 N   | Basic static load rating, radial  |
| C <sub>ur</sub> | 37.500 N    | Fatigue load limit, radial        |
| n <sub>G</sub>  | 6.000 1/min | Limiting speed                    |
| n <sub>gr</sub> | 3.900 1/min | Reference speed                   |
| ≈m              | 2,36 kg     | Masa                              |



Mounting dimensions

|         |        |                                      |
|---------|--------|--------------------------------------|
| d a min | 101 mm | Minimum diameter shaft shoulder      |
| d a max | 105 mm | Maximum diameter of shaft shoulder   |
| D a max | 149 mm | Maximum diameter of housing shoulder |
| d c min | 116 mm | Minimum shaft shoulder               |
| r a max | 2 mm   | Maximum recess radius                |

Dimensions

|         |          |                                 |
|---------|----------|---------------------------------|
| r min   | 2 mm     | Minimum chamfer dimension       |
| r 1 min | 2 mm     | Minimum chamfer dimension       |
| s       | 1,5 mm   | Axial displacement              |
| E       | 145 mm   | Raceway diameter outer ring     |
| F       | 107 mm   | Raceway diameter inner ring     |
| D 1 min | 139,7 mm | Minimum rib diameter outer ring |
| d 1     | 114,3 mm | Maximum rib diameter inner ring |

Temperature range

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

Additional information

|         |          |
|---------|----------|
| HJ218-E | L-washer |
|---------|----------|

Właściwości

- Obciążenie promieniowe
- Obciążenie osiowe jednokierunkowe
- Smarowanie smarem
- Smarowanie olejem
- Bez uszczelnienia