



FAG

N312-E-XL-TVP2

Cylindrical roller bearing

Cylindrical roller bearing N3...E-TVP2, with cage, single row, non-locating bearing, 0 ribs on outer ring, 2 rib on inner ring, type N3

Informacje techniczne



Twoja aktualna wersja produktu

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

Main Dimensions & Performance Data

|                       |             |                                       |
|-----------------------|-------------|---------------------------------------|
| d                     | 60 mm       | Bore diameter                         |
| D                     | 130 mm      | Outside diameter                      |
| B                     | 31 mm       | Width                                 |
| C <sub>r</sub>        | 177.000 N   | Basic dynamic load rating, radial     |
| C <sub>0r</sub>       | 157.000 N   | Basic static load rating, radial      |
| C <sub>ur</sub>       | 29.000 N    | Fatigue load limit, radial            |
| n <sub>G Grease</sub> | 6.300 1/min | Limiting speed for grease lubrication |
| n <sub>G Oil</sub>    | 7.400 1/min | Limiting speed for oil lubrication    |
| ≈m                    | 1,78 kg     | Masa                                  |

Mounting dimensions

|                     |        |                              |
|---------------------|--------|------------------------------|
| d <sub>a</sub>      | 72 mm  | Diameter shaft shoulder      |
| D <sub>a</sub>      | 118 mm | Diameter of housing shoulder |
| r <sub>a1 max</sub> | 2,1 mm | Maximum recess radius        |



### Dimensions

|             |        |                             |
|-------------|--------|-----------------------------|
| $r_{1\min}$ | 2,1 mm | Minimum chamfer dimension   |
| $s_1$       | 1,9 mm | Axial displacement          |
| E           | 115 mm | Raceway diameter outer ring |

### Temperature range

|            |        |                            |
|------------|--------|----------------------------|
| $T_{\min}$ | -30 °C | Operating temperature min. |
| $T_{\max}$ | 120 °C | Operating temperature max. |

### Właściwości

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