



FAG

N314-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                     | 70 mm       | Bore diameter                         |
| D                     | 150 mm      | Outside diameter                      |
| B                     | 35 mm       | Width                                 |
| C <sub>r</sub>        | 242.000 N   | Basic dynamic load rating, radial     |
| C <sub>0r</sub>       | 222.000 N   | Basic static load rating, radial      |
| C <sub>ur</sub>       | 40.500 N    | Fatigue load limit, radial            |
| n <sub>G Grease</sub> | 5.400 1/min | Limiting speed for grease lubrication |
| n <sub>G Oil</sub>    | 6.300 1/min | Limiting speed for oil lubrication    |
| ≈m                    | 2,72 kg     | Masa                                  |

Mounting dimensions

|                     |        |                              |
|---------------------|--------|------------------------------|
| d <sub>a</sub>      | 82 mm  | Diameter shaft shoulder      |
| D <sub>a</sub>      | 138 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     | 1,6 mm | Axial displacement          |
| E       | 133 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