

FAG

NU314-E-XL-TVP2-C3

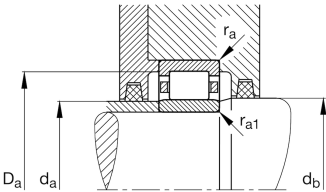
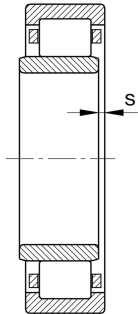
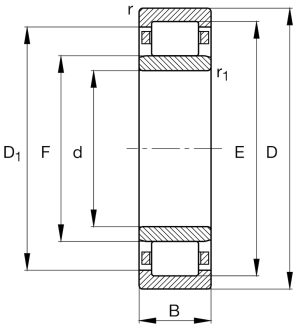
Cylindrical roller bearing

Cylindrical roller bearing NU..-E-XL-TVP2, with cage, single row, non-locating bearing, 2 ribs on outer ring, 0 ribs on inner ring (smooth), type NU, Running accuracy in P6

Schaeffler ID:  
0167400500030

X-life

Technical information



Your current product variant

|                                |              |                                   |
|--------------------------------|--------------|-----------------------------------|
| 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 (PN)                       |
| Number of rolling element 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> | 30.500 N    | Fatigue load limit, radial        |
| n <sub>G</sub>  | 6.300 1/min | Limiting speed                    |
| n <sub>gr</sub> | 4.500 1/min | Reference speed                   |
| ≈m              | 2,686 kg    | Weight                            |



Mounting dimensions

|          |        |                                      |
|----------|--------|--------------------------------------|
| d a min  | 82 mm  | Minimum diameter shaft shoulder      |
| d a max  | 87 mm  | Maximum diameter of shaft shoulder   |
| d b min  | 92 mm  | Minimum shaft shoulder               |
| D a max  | 138 mm | Maximum diameter of housing shoulder |
| r a max  | 2,1 mm | Maximum recess radius                |
| r a1 max | 2,1 mm | Maximum recess radius                |

Dimensions

|         |          |                                 |
|---------|----------|---------------------------------|
| r min   | 2,1 mm   | Minimum chamfer dimension       |
| r 1 min | 2,1 mm   | Minimum chamfer dimension       |
| s       | 1,7 mm   | Axial displacement              |
| E       | 133 mm   | Raceway diameter outer ring     |
| F       | 89 mm    | Raceway diameter inner ring     |
| D 1 min | 126,8 mm | Minimum rib diameter outer ring |

Temperature range

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

Characteristics

|                                                                                     |                    |
|-------------------------------------------------------------------------------------|--------------------|
|  | Radial load        |
|  | Grease Lubrication |
|  | Oil Lubrication    |
|  | Not sealed         |