

FAG

★ NU314-E-XL-TVP2

Cylindrical roller bearing

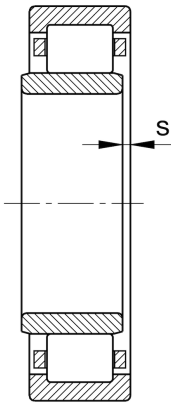
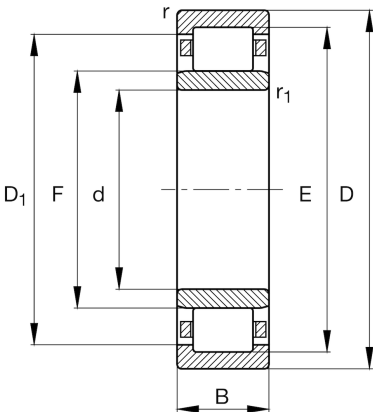
Schaeffler ID:  
0167400500000

★ Preferred product

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

X-life

Technical information



Temperature range

|                  |          |                            |
|------------------|----------|----------------------------|
| T <sub>min</sub> | -30 °C   | Operating temperature min. |
| T <sub>max</sub> | 120 °C   | Operating temperature max. |
|                  | 2,686 kg | Weight                     |

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>  | 5.500 1/min | Limiting speed                    |
| n <sub>gr</sub> | 4.500 1/min | Reference speed                   |

Dimensions

|                    |          |                                 |
|--------------------|----------|---------------------------------|
| r <sub>min</sub>   | 2,1 mm   | Minimum chamfer dimension       |
| r <sub>1 min</sub> | 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 <sub>1 min</sub> | 126,8 mm | Minimum rib diameter outer ring |

Mounting dimensions

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

