

FAG

**NJ2204-E-XL-TVP2**

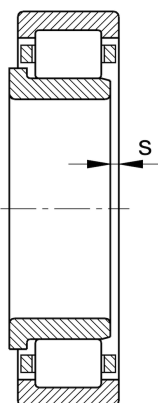
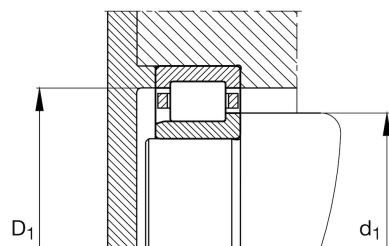
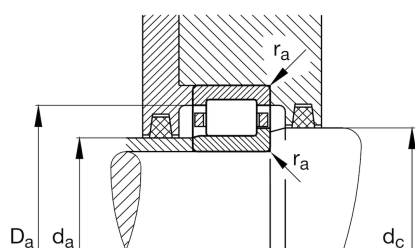
Cylindrical roller bearing

Schaeffler ID:  
0167346700000Cylindrical 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

## Technical information

## Main Dimensions &amp; Performance Data



|                 |              |                                   |
|-----------------|--------------|-----------------------------------|
| d               | 20 mm        | Bore diameter                     |
| D               | 47 mm        | Outside diameter                  |
| B               | 18 mm        | Width                             |
| C <sub>r</sub>  | 38,500 N     | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 31,000 N     | Basic static load rating, radial  |
| C <sub>ur</sub> | 5,200 N      | Fatigue load limit, radial        |
| n <sub>G</sub>  | 22,000 1/min | Limiting speed                    |
| n <sub>gr</sub> | 11,100 1/min | Reference speed                   |
|                 | 0.161 kg     | Weight                            |

## Dimensions

|                    |         |                                 |
|--------------------|---------|---------------------------------|
| r <sub>min</sub>   | 1 mm    | Minimum chamfer dimension       |
| r <sub>1 min</sub> | 0.6 mm  | Minimum chamfer dimension       |
| s                  | 1.8 mm  | Axial displacement              |
| E                  | 41.5 mm | Raceway diameter outer ring     |
| F                  | 26.5 mm | Raceway diameter inner ring     |
| D <sub>1 min</sub> | 38.8 mm | Minimum rib diameter outer ring |
| d <sub>1</sub>     | 29.7 mm | Maximum rib diameter inner ring |

## Mounting dimensions

|                    |       |                                      |
|--------------------|-------|--------------------------------------|
| d <sub>a min</sub> | 24 mm | Minimum diameter shaft shoulder      |
| d <sub>a max</sub> | 26 mm | Maximum diameter of shaft shoulder   |
| D <sub>a max</sub> | 41 mm | Maximum diameter of housing shoulder |
| d <sub>c min</sub> | 32 mm | Minimum shaft shoulder               |
| r <sub>a max</sub> | 1 mm  | Maximum recess radius                |

## Additional information

HJ2204-E

L-washer

**Temperature range**

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