

FAG

## ★ NUP203-E-XL-TVP2

Cylindrical roller bearing

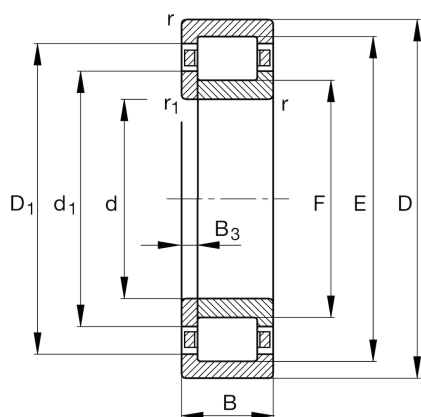
Schaeffler ID:  
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★ Preferred product

Cylindrical roller bearing NUP.-E-XL-TVP2, with cage, single row, locating bearing, 2 ribs on outer ring, 1 rib on inner ring, rib washer internal, type NUP

X-life

## Technical information



## Main Dimensions &amp; Performance Data

|          |              |                                   |
|----------|--------------|-----------------------------------|
| d        | 17 mm        | Bore diameter                     |
| D        | 40 mm        | Outside diameter                  |
| B        | 12 mm        | Width                             |
| $C_r$    | 20.800 N     | Basic dynamic load rating, radial |
| $C_{0r}$ | 14.600 N     | Basic static load rating, radial  |
| $C_{ur}$ | 2.230 N      | Fatigue load limit, radial        |
| $n_G$    | 22.900 1/min | Limiting speed                    |
| $n_{gr}$ | 15.300 1/min | Reference speed                   |
|          | 0,07 kg      | Weight                            |

## Dimensions

|             |         |                             |
|-------------|---------|-----------------------------|
| $r_{min}$   | 0,6 mm  | Minimum chamfer dimension   |
| $r_{1 min}$ | 0,3 mm  | Minimum chamfer dimension   |
| E           | 35,1 mm | Raceway diameter outer ring |
| F           | 22,1 mm | Raceway diameter inner ring |
| $B_3$       | 2,5 mm  | Width of loose rib          |

## Mounting dimensions

|             |         |                                      |
|-------------|---------|--------------------------------------|
| $d_1$       | 24,7 mm | Maximum rib diameter inner ring      |
| $D_{1 min}$ | 32,5 mm | Minimum rib diameter outer ring      |
| $d_{a min}$ | 21 mm   | Minimum diameter shaft shoulder      |
| $d_{c min}$ | 28 mm   | Minimum shaft shoulder               |
| $D_{a max}$ | 36 mm   | Maximum diameter of housing shoulder |
| $r_{a max}$ | 0,6 mm  | Maximum recess radius                |

## Temperature range

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

