



# Cylindrical roller bearings

## N310-E-TVP2 (Series N3..-E)

main dimensions to DIN 5412-1, non-locating bearing,  
separable, with cage

The datasheet is only an overview of dimensions and basic load ratings of the selected product. Please always observe all the guidelines in these overview pages. Further information is given on many products under the menu item "Description". You can also order comprehensive information via the Catalogue selection system (<http://www.fag.de/content.fag.de/en/mediathek/library/library.jsp>) or by telephone on +49 (91 32) 82 - 28 97.

|                        |                                                          |
|------------------------|----------------------------------------------------------|
| d                      | 50 mm                                                    |
| D                      | 110 mm                                                   |
| B                      | 27 mm                                                    |
| d <sub>1</sub>         | 71,3 mm                                                  |
| D <sub>a</sub><br>max  | 99 mm                                                    |
| d <sub>a</sub><br>min  | 61 mm                                                    |
| D <sub>b</sub><br>min  | 98 mm                                                    |
| D <sub>c</sub><br>max  | 96 mm                                                    |
| E                      | 97 mm                                                    |
| F                      | 65 mm                                                    |
| r <sub>1</sub><br>min  | 2 mm                                                     |
| r <sub>a1</sub><br>max | 2 mm                                                     |
| r <sub>a</sub><br>max  | 2 mm                                                     |
| r <sub>min</sub>       | 2 mm                                                     |
| s                      | 1,7 mm Axial displacement facility from central position |
| m                      | 1,16 kg Mass                                             |
| C <sub>r</sub>         | 131000 N Basic dynamic load rating, radial               |
| C <sub>0r</sub>        | 114000 N Basic static load rating, radial                |

|          |            |                            |
|----------|------------|----------------------------|
| $n_G$    | 7800 1/min | Limiting speed             |
| $n_B$    | 6100 1/min | Reference speed            |
| $C_{ur}$ | 20100 N    | Fatigue limit load, radial |



