

FAG

## NU1022-XL-M1

Cylindrical roller bearing

Schaeffler ID:  
0167372370000

Cylindrical roller bearing NU..-XL-M1, with cage, single row, non-locating bearing, 2 ribs on outer ring, 0 ribs on inner ring (smooth), type NU

X-life

## Technical information

## Main Dimensions &amp; Performance Data

|                 |             |                                   |
|-----------------|-------------|-----------------------------------|
| d               | 110 mm      | Bore diameter                     |
| D               | 170 mm      | Outside diameter                  |
| B               | 28 mm       | Width                             |
| C <sub>r</sub>  | 167 000 N   | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 191 000 N   | Basic static load rating, radial  |
| C <sub>ur</sub> | 25 000 N    | Fatigue load limit, radial        |
| n <sub>G</sub>  | 6 700 1/min | Limiting speed                    |
| n <sub>gr</sub> | 3 850 1/min | Reference speed                   |
|                 | 2,258 kg    | Weight                            |

## Dimensions

|                    |          |                                 |
|--------------------|----------|---------------------------------|
| r <sub>min</sub>   | 2 mm     | Minimum chamfer dimension       |
| r <sub>1 min</sub> | 1,1 mm   | Minimum chamfer dimension       |
| s                  | 3,2 mm   | Axial displacement              |
| E                  | 155 mm   | Raceway diameter outer ring     |
| F                  | 125 mm   | Raceway diameter inner ring     |
| D <sub>1 min</sub> | 149,7 mm | Minimum rib diameter outer ring |

## Mounting dimensions

|                     |        |                                      |
|---------------------|--------|--------------------------------------|
| d <sub>a min</sub>  | 116 mm | Minimum diameter shaft shoulder      |
| d <sub>a max</sub>  | 124 mm | Maximum diameter of shaft shoulder   |
| d <sub>b min</sub>  | 128 mm | Minimum shaft shoulder               |
| D <sub>a max</sub>  | 161 mm | Maximum diameter of housing shoulder |
| r <sub>a max</sub>  | 2 mm   | Maximum recess radius                |
| r <sub>a1 max</sub> | 1 mm   | Maximum recess radius                |

## Temperature range

|                  |        |                            |
|------------------|--------|----------------------------|
| T <sub>min</sub> | -30 °C | Operating temperature min. |
| T <sub>max</sub> | 150 °C | Operating temperature max. |