**ZARF55145-TV**

Needle roller/axial cylindrical roller bearing

Needle roller/axial cylindrical roller bearings  
ZARF, double direction, for screw mounting

## Informacje techniczne

## Twoja aktualna wersja produktu

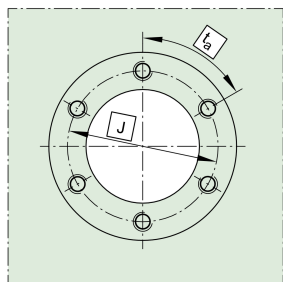
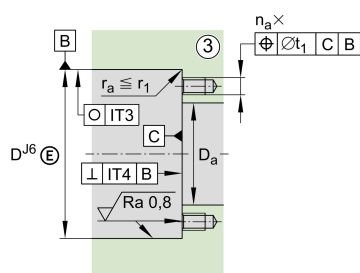
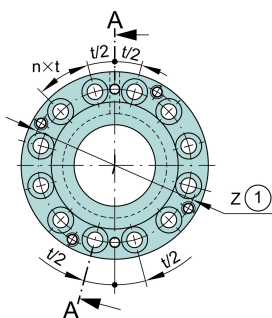
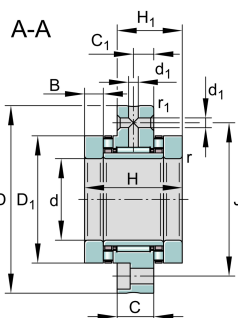
Cage TV Plastic Cage made from PA66

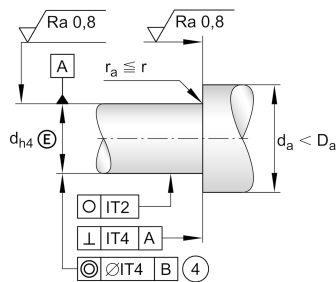
## Main Dimensions &amp; Performance Data

|                       |             |                                       |
|-----------------------|-------------|---------------------------------------|
| d                     | 55 mm       | Bore diameter                         |
| D                     | 145 mm      | Outside diameter                      |
| H                     | 82 mm       | Height                                |
| C <sub>a</sub>        | 177.000 N   | Basic dynamic load rating, axial      |
| C <sub>0a</sub>       | 500.000 N   | Basic static load rating, axial       |
| C <sub>r</sub>        | 44.000 N    | Basic dynamic load rating, radial     |
| C <sub>0r</sub>       | 98.000 N    | Basic static load rating, radial      |
| C <sub>ua</sub>       | 46.500 N    | Fatigue load limit, axial             |
| C <sub>ur</sub>       | 13.800 N    | Fatigue load limit, radial            |
| n <sub>G Oil</sub>    | 2.900 1/min | Limiting speed for oil lubrication    |
| n <sub>G Grease</sub> | 1.000 1/min | Limiting speed for grease lubrication |
| M <sub>RL</sub>       | 4 Nm        | Bearing friction torque               |
| ≈m                    | 4,086 kg    | Masa                                  |

## Mounting dimensions

|                    |        |                                      |
|--------------------|--------|--------------------------------------|
| D <sub>a max</sub> | 101 mm | Maximum diameter of housing shoulder |
| d <sub>a min</sub> | 85 mm  | Minimum diameter shaft shoulder      |
| t <sub>1</sub>     | 0,2 mm | Position bore in the housing         |





Dimensions

|                    |         |                                    |
|--------------------|---------|------------------------------------|
| H <sub>1</sub>     | 51 mm   | Height outer ring over wave washer |
| C                  | 22,5 mm | Width, outer ring                  |
| C <sub>1</sub>     | 12,5 mm | Distance to lubrication hole       |
| D <sub>1</sub>     | 100 mm  | Rip diameter shaft washer          |
| B                  | 17,5 mm | Width inner ring                   |
| r <sub>min</sub>   | 0,3 mm  | Minimum chamfer dimension          |
| r <sub>1 min</sub> | 0,6 mm  | Minimum chamfer dimension          |
| d <sub>1</sub>     | 6 mm    | Diameter lubrication hole          |
| J                  | 118 mm  | Pitch circle diameter (holes)      |
| n                  | 12      | Number of screwing holes           |
| n x t              | 30 °    | Split                              |

Temperature range

|                  |        |                            |
|------------------|--------|----------------------------|
| T <sub>min</sub> | -30 °C | Operating temperature min. |
| T <sub>max</sub> | 120 °C | Operating temperature max. |



Additional information

|                 |               |                                                                     |
|-----------------|---------------|---------------------------------------------------------------------|
| c <sub>aL</sub> | 4.900 N/μm    | Rigidity axial                                                      |
| c <sub>kL</sub> | 3.600 Nm/mrad | Tilting stiffness                                                   |
| M <sub>m</sub>  | 36,1 kg*cm2   | Mass moment of inertia                                              |
|                 | 1 μm          | Axial runout                                                        |
| radial          | ZMA55/98      | Recommended INA precision locknut for radial locking (not included) |
| axial           | AM55          | Recommended INA precision locknut for axial locking (not included)  |
| M <sub>A</sub>  | 220 Nm        | Tightening torque nut                                               |
|                 | 39.807 N      | Required locknut force                                              |
|                 | M10           | Screw size                                                          |
| n <sub>a</sub>  | 12            | Number of screws                                                    |
| na x ta         | 30 °          | Division (screwing holes)                                           |

Właściwości

- 

Obciążenie promieniowe
- 

Obciążenie osiowe jednokierunkowe
- 

Obciążenie osiowe dwukierunkowe
- 

Smarowanie smarem
- 

Smarowanie olejem
- 

Bez uszczelnienia