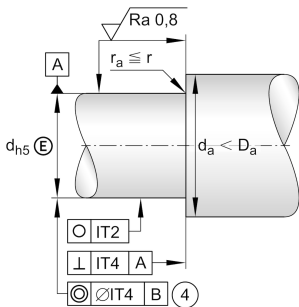
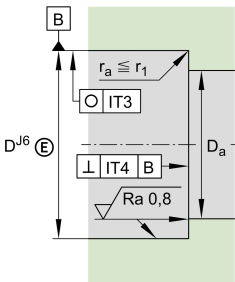
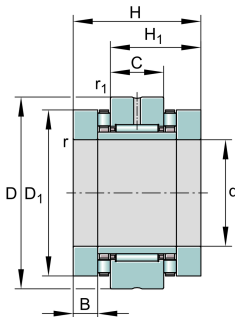


ZARN2052-TV

Needle roller/axial cylindrical roller bearing

Needle roller/axial cylindrical roller bearings  
ZARN, double direction

Informacje techniczne



Twoja aktualna wersja produktu

|      |    |                             |
|------|----|-----------------------------|
| Cage | TV | Plastic Cage made from PA66 |
|------|----|-----------------------------|

Main Dimensions & Performance Data

|                       |             |                                       |
|-----------------------|-------------|---------------------------------------|
| d                     | 20 mm       | Bore diameter                         |
| D                     | 52 mm       | Outside diameter                      |
| H                     | 46 mm       | Height                                |
| C <sub>a</sub>        | 33.500 N    | Basic dynamic load rating, axial      |
| C <sub>0a</sub>       | 76.000 N    | Basic static load rating, axial       |
| C <sub>r</sub>        | 14.900 N    | Basic dynamic load rating, radial     |
| C <sub>0r</sub>       | 22.400 N    | Basic static load rating, radial      |
| C <sub>ua</sub>       | 6.400 N     | Fatigue load limit, axial             |
| C <sub>ur</sub>       | 3.400 N     | Fatigue load limit, radial            |
| n <sub>G Oil</sub>    | 7.000 1/min | Limiting speed for oil lubrication    |
| n <sub>G Grease</sub> | 2.000 1/min | Limiting speed for grease lubrication |
| M <sub>RL</sub>       | 0,5 Nm      | Bearing friction torque               |
| ≈m                    | 411,6 g     | Masa                                  |

Mounting dimensions

|                    |       |                                      |
|--------------------|-------|--------------------------------------|
| D <sub>a max</sub> | 43 mm | Maximum diameter of housing shoulder |
| d <sub>a min</sub> | 33 mm | Minimum diameter shaft shoulder      |



Dimensions

|                    |        |                                    |
|--------------------|--------|------------------------------------|
| H <sub>1</sub>     | 31 mm  | Height outer ring over wave washer |
| C                  | 16 mm  | Width, outer ring                  |
| D <sub>1</sub>     | 42 mm  | Rip diameter shaft washer          |
| B                  | 10 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          |

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> | 1.800 N/μm   | Rigidity axial                                                      |
| c <sub>kL</sub> | 230 Nm/mrad  | Tilting stiffness                                                   |
| M <sub>m</sub>  | 0,615 kg*cm2 | Mass moment of inertia                                              |
|                 | 1 μm         | Axial runout                                                        |
| radial          | ZMA20/38     | Recommended INA precision locknut for radial locking (not included) |
| axial           | AM20         | Recommended INA precision locknut for axial locking (not included)  |
| M <sub>A</sub>  | 18 Nm        | Tightening torque nut                                               |
|                 | 8.972 N      | Preload force axial                                                 |



### Właściwości



Obciążenie promieniowe



Obciążenie osiowe jednokierunkowe



Obciążenie osiowe dwukierunkowe



Smarowanie smarem



Smarowanie olejem



Bez uszczelnienia