

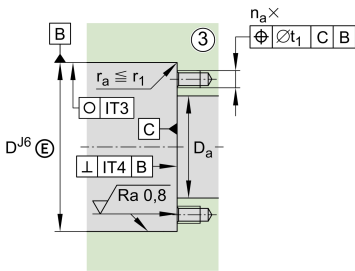
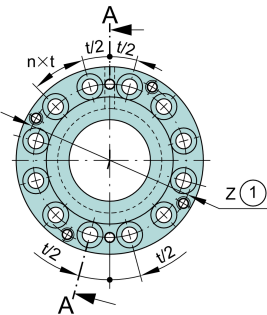
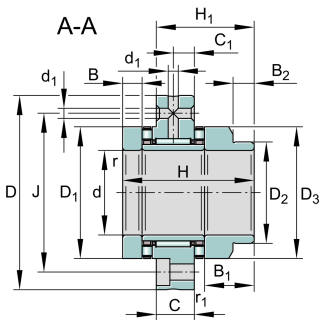


ZARF70160-L-TV

Needle roller/axial cylindrical roller bearing

Needle roller/axial cylindrical roller bearings  
ZARF.-L, double direction, for screw  
mounting, long shaft locating washer

Informacje techniczne

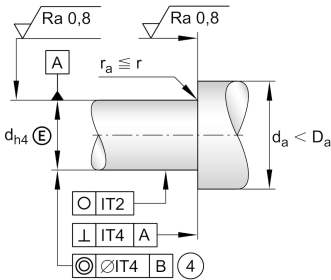


Twoja aktualna wersja produktu

|                                          |    |                                                       |
|------------------------------------------|----|-------------------------------------------------------|
| Cage                                     | TV | Plastic Cage made from PA66                           |
| Locating Feature , bearing<br>outer ring | L  | Stepped shaft locating washer extended<br>on one side |

Main Dimensions & Performance Data

|                       |             |                                       |
|-----------------------|-------------|---------------------------------------|
| d                     | 70 mm       | Bore diameter                         |
| D                     | 160 mm      | Outside diameter                      |
| H                     | 103 mm      | Hight                                 |
| C <sub>a</sub>        | 201.000 N   | Basic dynamic load rating, axial      |
| C <sub>0a</sub>       | 630.000 N   | Basic static load rating, axial       |
| C <sub>r</sub>        | 56.000 N    | Basic dynamic load rating, radial     |
| C <sub>0r</sub>       | 119.000 N   | Basic static load rating, radial      |
| C <sub>ua</sub>       | 58.000 N    | Fatigue load limit, axial             |
| C <sub>ur</sub>       | 16.100 N    | Fatigue load limit, radial            |
| n <sub>G Oil</sub>    | 2.400 1/min | Limiting speed for oil lubrication    |
| n <sub>G Grease</sub> | 800 1/min   | Limiting speed for grease lubrication |
| M <sub>RL</sub>       | 4,8 Nm      | Bearing friction torque               |
| ≈m                    | 5,6 kg      | Masa                                  |



### Mounting dimensions

|                    |        |                                      |
|--------------------|--------|--------------------------------------|
| D <sub>a</sub> max | 116 mm | Maximum diameter of housing shoulder |
| d <sub>a</sub> min | 98 mm  | Minimum diameter shaft shoulder      |
| t <sub>1</sub>     | 0,2 mm | Position bore in the housing         |

### Dimensions

|                    |         |                                    |
|--------------------|---------|------------------------------------|
| H <sub>1</sub>     | 72 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>     | 115 mm  | Rip diameter shaft washer          |
| D <sub>2</sub>     | 100 mm  | Heeldiameter wave washer long      |
| D <sub>3</sub>     | 115 mm  | Outside diameter wave washer long  |
| B                  | 17,5 mm | Width, wave washer                 |
| B <sub>1</sub>     | 38,5 mm | Width wave washer long             |
| B <sub>2</sub>     | 18 mm   | Width heel wave washer long        |
| r <sub>min</sub>   | 0,3 mm  | Minimum chamfer dimension          |
| r <sub>1</sub> min | 0,6 mm  | Minimum chamfer dimension          |
| d <sub>1</sub>     | 6 mm    | Diameter lubrication hole          |
| J                  | 133 mm  | Pitch circle diameter (holes)      |
| n                  | 12      | Number of screwing holes           |
| n x t              | 30 °    | Splīt                              |

### Temperature range

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



Additional information

|                  |                  |                                                                     |
|------------------|------------------|---------------------------------------------------------------------|
| $c_{aL}$         | 5.800 N/ $\mu$ m | Rigidity axial                                                      |
| $c_{kL}$         | 6.000 Nm/mrad    | Tilting stiffness                                                   |
| $M_m$            | 77,3 kg*cm2      | Mass moment of inertia                                              |
|                  | 1 $\mu$ m        | Axial runout                                                        |
| radial           | ZMA70/110        | Recommended INA precision locknut for radial locking (not included) |
| axial            | AM70             | Locknut 2                                                           |
| $M_A$            | 330 Nm           | Tightening torque nut                                               |
|                  | 46.786 N         | Preload force axial                                                 |
|                  | 100X120X12       | Sealing ring                                                        |
|                  | M10              | Screw size                                                          |
| $n_a$            | 12               | Number of screws                                                    |
| $n_a \times t_a$ | 30 °             | Division (screwing holes)                                           |

Właściwości

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Obciążenie promieniowe
- 

Obciążenie osiowe jednokierunkowe
- 

Obciążenie osiowe dwukierunkowe
- 

Smarowanie smarem
- 

Smarowanie olejem
- 

Bez uszczelnienia