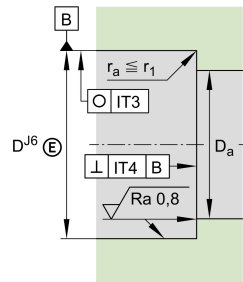
**ZARN3570-L-TV**

Needle roller/axial cylindrical roller bearing

Needle roller/axial cylindrical roller bearings
ZARN...-L, double direction, long shaft
locating washer

Technical information



Your current product variant

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

Main Dimensions & Performance Data

| | | |
|-----------------------|-------------|---------------------------------------|
| d | 35 mm | Bore diameter |
| D | 70 mm | Outside diameter |
| H | 70 mm | Hight |
| C _a | 56.000 N | Basic dynamic load rating, axial |
| C _{0a} | 148.000 N | Basic static load rating, axial |
| C _r | 26.000 N | Basic dynamic load rating, radial |
| C _{0r} | 47.000 N | Basic static load rating, radial |
| C _{ua} | 12.900 N | Fatigue load limit, axial |
| C _{ur} | 6.800 N | Fatigue load limit, radial |
| n _{G Oil} | 4.800 1/min | Limiting speed for oil lubrication |
| n _{G Grease} | 1.700 1/min | Limiting speed for grease lubrication |
| M _{RL} | 0,9 Nm | Bearing friction torque |
| ≈m | 0,949 kg | Weight |

Mounting dimensions

| | | |
|--------------------|-------|--------------------------------------|
| D _{a max} | 61 mm | Maximum diameter of housing shoulder |
| d _{a min} | 43 mm | Minimum diameter shaft shoulder |



Dimensions

| | | |
|--------------------|--------|------------------------------------|
| H ₁ | 53 mm | Height outer ring over wave washer |
| C | 20 mm | Width, outer ring |
| D ₁ | 60 mm | Rip diameter shaft washer |
| D ₂ | 45 mm | Heeldiameter wave washer long |
| D ₃ | 58 mm | Outside diameter wave washer long |
| B | 11 mm | Width, inner ring |
| B ₁ | 27 mm | Width wave washer long |
| B ₂ | 13 mm | Width heel wave washer long |
| r _{min} | 0,3 mm | Minimum chamfer dimension |
| r _{1 min} | 0,6 mm | Minimum chamfer dimension |

Temperature range

| | | |
|------------------|--------|----------------------------|
| T _{min} | -30 °C | Operating temperature min. |
| T _{max} | 120 °C | Operating temperature max. |

Additional information

| | | |
|-----------------|-------------------------|---------------------------------------------------------------------|
| c _{aL} | 2.600 N/μm | Rigidity axial |
| c _{kL} | 740 Nm/mrad | Tilting stiffness |
| M _m | 3,21 kg*cm ² | Mass moment of inertia |
| | 1 μm | Axial runout |
| radial | ZMA35/58 | Recommended INA precision locknut for radial locking (not included) |
| axial | AM35/58 | Recommended INA precision locknut for axial locking (not included) |
| M _A | 40 Nm | Tightening torque nut |
| | 12.143 N | Required locknut force |
| | 45X60X8 | Rotary shaft seal to DIN 3760 (not included) |



Characteristics



Radial load



Axial load in one direction



Axial load in two directions



Grease Lubrication



Oil Lubrication



Not sealed