

**ZARF2590-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

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	25 mm	Bore diameter
D	90 mm	Outside diameter
H	75 mm	Hight
C _a	80.000 N	Basic dynamic load rating, axial
C _{0a}	199.000 N	Basic static load rating, axial
C _r	24.300 N	Basic dynamic load rating, radial
C _{0r}	41.500 N	Basic static load rating, radial
C _{ua}	18.600 N	Fatigue load limit, axial
C _{ur}	6.000 N	Fatigue load limit, radial
n _{G Oil}	4.900 1/min	Limiting speed for oil lubrication
n _{G Grease}	1.400 1/min	Limiting speed for grease lubrication
M _{RL}	1,6 Nm	Bearing friction torque
≈m	1,506 kg	Weight



Mounting dimensions

$D_{a \max}$	63 mm	Maximum diameter of housing shoulder
$d_{a \min}$	45 mm	Minimum diameter shaft shoulder
t_1	0,1 mm	Position bore in the housing

Dimensions

H_1	53 mm	Height outer ring over wave washer
C	18 mm	Width, outer ring
C_1	10 mm	Distance to lubrication hole
D_1	62 mm	Rip diameter shaft washer
D_2	48 mm	Heeldiameter wave washer long
D_3	60 mm	Outside diameter wave washer long
B	12,5 mm	Width, wave washer
B_1	27,5 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
d_1	3,2 mm	Diameter lubrication hole
J	73 mm	Pitch circle diameter (holes)
n	12	Number of screwing holes
$n \times t$	30 °	Split

Temperature range







T_{\min}	-30 °C	Operating temperature min.
T_{\max}	120 °C	Operating temperature max.



Additional information

c_{aL}	3.000 N/ μ m	Rigidity axial
c_{kL}	800 Nm/mrad	Tilting stiffness
M_m	4,51 kg*cm ²	Mass moment of inertia
	1 μ m	Axial runout
radial	ZMA25/58	Recommended INA precision locknut for radial locking (not included)
axial	AM25	Locknut 2
M_A	55 Nm	Tightening torque nut
	20.790 N	Preload force axial
	48X62X8	Sealing ring
	M6	Screw size
n_a	12	Number of screws
$n_{a \times ta}$	30 °	Division (screwing holes)

Characteristics

-  Radial load
-  Axial load in one direction
-  Axial load in two directions
-  Grease Lubrication
-  Oil Lubrication
-  Not sealed