

### ZARF60150-TV

Needle roller/axial cylindrical roller bearing

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

## Technical information



### Your current product variant

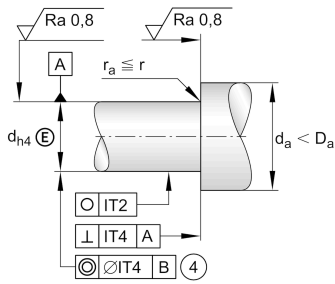
Cage	TV	Plastic Cage made from PA66
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### Main Dimensions & Performance Data

d	60 mm	Bore diameter
D	150 mm	Outside diameter
H	82 mm	Hight
C <sub>a</sub>	187.000 N	Basic dynamic load rating, axial
C <sub>0a</sub>	550.000 N	Basic static load rating, axial
C <sub>r</sub>	44.500 N	Basic dynamic load rating, radial
C <sub>0r</sub>	92.000 N	Basic static load rating, radial
C <sub>ua</sub>	51.000 N	Fatigue load limit, axial
C <sub>ur</sub>	12.900 N	Fatigue load limit, radial
n <sub>G Oil</sub>	2.700 1/min	Limiting speed for oil lubrication
n <sub>G Grease</sub>	950 1/min	Limiting speed for grease lubrication
M <sub>RL</sub>	4,2 Nm	Bearing friction torque
≈m	4,51 kg	Weight

### Mounting dimensions

D <sub>a max</sub>	106 mm	Maximum diameter of housing shoulder
d <sub>a min</sub>	90 mm	Minimum diameter shaft shoulder
t <sub>1</sub>	0,2 mm	Position bore in the housing



## Dimensions

$H_1$	51 mm	Height outer ring over wave washer
C	22,5 mm	Width, outer ring
$C_1$	12,5 mm	Distance to lubrication hole
$D_1$	105 mm	Rip diameter shaft washer
B	17,5 mm	Width inner ring
$r_{min}$	0,3 mm	Minimum chamfer dimension
$r_{1 min}$	0,6 mm	Minimum chamfer dimension
$d_1$	6 mm	Diameter lubrication hole
J	123 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

$c_{aL}$	5.300 N/ $\mu$ m	Rigidity axial
$c_{kL}$	4.300 Nm/mrad	Tilting stiffness
$M_m$	43,8 kg*cm <sup>2</sup>	Mass moment of inertia
	1 $\mu$ m	Axial runout
radial	ZMA60/98	Recommended INA precision locknut for radial locking (not included)
axial	AM60	Recommended INA precision locknut for axial locking (not included)
$M_A$	250 Nm	Tightening torque nut
	41.144 N	Required locknut force
	M10	Screw size
$n_a$	12	Number of screws
na x ta	30 °	Division (screwing holes)

### Characteristics

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