

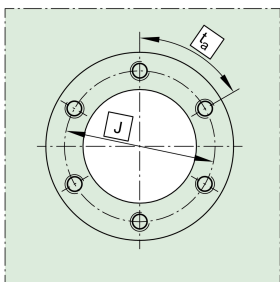


## ZARF40115-TV

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
------	----	-----------------------------

### Main Dimensions & Performance Data

d	40 mm	Bore diameter
D	115 mm	Outside diameter
H	75 mm	Height
C <sub>a</sub>	117.000 N	Basic dynamic load rating, axial
C <sub>0a</sub>	315.000 N	Basic static load rating, axial
C <sub>r</sub>	38.000 N	Basic dynamic load rating, radial
C <sub>0r</sub>	74.000 N	Basic static load rating, radial
C <sub>ua</sub>	27.000 N	Fatigue load limit, axial
C <sub>ur</sub>	10.400 N	Fatigue load limit, radial
n <sub>G Oil</sub>	3.700 1/min	Limiting speed for oil lubrication
n <sub>G Grease</sub>	1.200 1/min	Limiting speed for grease lubrication
M <sub>RL</sub>	2,5 Nm	Bearing friction torque
≈m	2,501 kg	Weight

### Mounting dimensions

D <sub>a max</sub>	79 mm	Maximum diameter of housing shoulder
d <sub>a min</sub>	65 mm	Minimum diameter shaft shoulder
t <sub>1</sub>	0,2 mm	Position bore in the housing



## Dimensions

H <sub>1</sub>	47,5 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>	78 mm	Rip diameter shaft washer
B	16 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
d <sub>1</sub>	6 mm	Diameter lubrication hole
J	94 mm	Pitch circle diameter (holes)
n	12	Number of screwing holes
n x t	30 °	Split

## Temperature range







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



### Additional information

$c_{aL}$	3.800 N/ $\mu$ m	Rigidity axial
$c_{kL}$	1.800 Nm/mrad	Tilting stiffness
$M_m$	13,3 kg*cm <sup>2</sup>	Mass moment of inertia
	1 $\mu$ m	Axial runout
radial	ZMA40/75	Recommended INA precision locknut for radial locking (not included)
axial	AM40	Recommended INA precision locknut for axial locking (not included)
$M_A$	120 Nm	Tightening torque nut
	29.834 N	Required locknut force
	M8	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