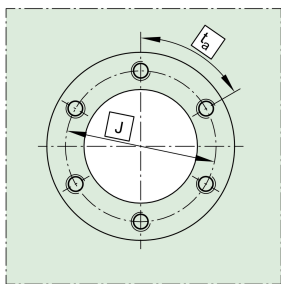
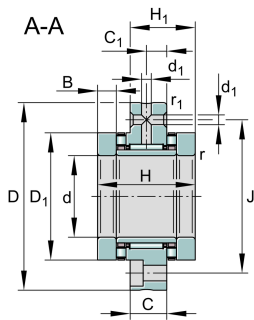


## ZARF35110-TV

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	35 mm	Bore diameter
D	110 mm	Outside diameter
H	66 mm	Height
C <sub>a</sub>	105.000 N	Basic dynamic load rating, axial
C <sub>0a</sub>	265.000 N	Basic static load rating, axial
C <sub>r</sub>	27.500 N	Basic dynamic load rating, radial
C <sub>0r</sub>	53.000 N	Basic static load rating, radial
C <sub>ua</sub>	22.900 N	Fatigue load limit, axial
C <sub>ur</sub>	7.600 N	Fatigue load limit, radial
n <sub>G Oil</sub>	4.000 1/min	Limiting speed for oil lubrication
n <sub>G Grease</sub>	1.250 1/min	Limiting speed for grease lubrication
M <sub>RL</sub>	2,3 Nm	Bearing friction torque
≈m	1,927 kg	Weight

### Mounting dimensions

D <sub>a max</sub>	74 mm	Maximum diameter of housing shoulder
d <sub>a min</sub>	60 mm	Minimum diameter shaft shoulder
t <sub>1</sub>	0,2 mm	Position bore in the housing



### Dimensions

$H_1$	41 mm	Height outer ring over wave washer
C	18 mm	Width, outer ring
$C_1$	10 mm	Distance to lubrication hole
$D_1$	73 mm	Rip diameter shaft washer
B	14 mm	Width inner ring
$r_{min}$	0,3 mm	Minimum chamfer dimension
$r_{1 min}$	0,6 mm	Minimum chamfer dimension
$d_1$	3,2 mm	Diameter lubrication hole
J	88 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

$c_{aL}$	3.500 N/ $\mu$ m	Rigidity axial
$c_{kL}$	1.300 Nm/mrad	Tilting stiffness
$M_m$	8,47 kg*cm <sup>2</sup>	Mass moment of inertia
	1 $\mu$ m	Axial runout
radial	ZMA35/70	Recommended INA precision locknut for radial locking (not included)
axial	AM35	Recommended INA precision locknut for axial locking (not included)
$M_A$	100 Nm	Tightening torque nut
	27.480 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