

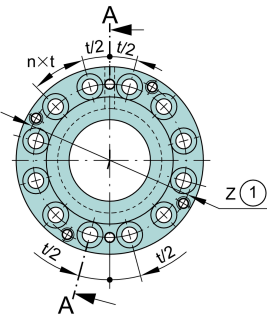


## ZARF30105-L-TV

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

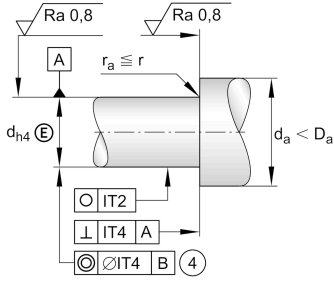


### Your current product variant

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	30 mm	Bore diameter
D	105 mm	Outside diameter
H	82 mm	Hight
C <sub>a</sub>	107.000 N	Basic dynamic load rating, axial
C <sub>0a</sub>	265.000 N	Basic static load rating, axial
C <sub>r</sub>	26.000 N	Basic dynamic load rating, radial
C <sub>0r</sub>	47.000 N	Basic static load rating, radial
C <sub>ua</sub>	22.900 N	Fatigue load limit, axial
C <sub>ur</sub>	6.800 N	Fatigue load limit, radial
n <sub>G Oil</sub>	4.400 1/min	Limiting speed for oil lubrication
n <sub>G Grease</sub>	1.300 1/min	Limiting speed for grease lubrication
M <sub>RL</sub>	2,1 Nm	Bearing friction torque
≈m	1,98 kg	Weight



### Mounting dimensions

$D_{a \max}$	69 mm	Maximum diameter of housing shoulder
$d_{a \min}$	50 mm	Minimum diameter shaft shoulder
$t_1$	0,2 mm	Position bore in the housing

### Dimensions

$H_1$	57 mm	Height outer ring over wave washer
C	18 mm	Width, outer ring
$C_1$	10 mm	Distance to lubrication hole
$D_1$	68 mm	Rip diameter shaft washer
$D_2$	52 mm	Heeldiameter wave washer long
$D_3$	66 mm	Outside diameter wave washer long
B	14 mm	Width, wave washer
$B_1$	30 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	85 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.
$T_{\max}$	20 °C	Operating temperature max.

**Additional information**

$c_{aL}$	3.300 N/ $\mu$ m	Rigidity axial
$c_{kL}$	1.100 Nm/mrad	Tilting stiffness
$M_m$	7,43 kg*cm <sup>2</sup>	Mass moment of inertia
	1 $\mu$ m	Axial runout
radial	ZMA30/65	Recommended INA precision locknut for radial locking (not included)
axial	AM30	Locknut 2
$M_A$	75 Nm	Tightening torque nut
	24.287 N	Preload force axial
	52X68X8	Sealing ring
	M8	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