

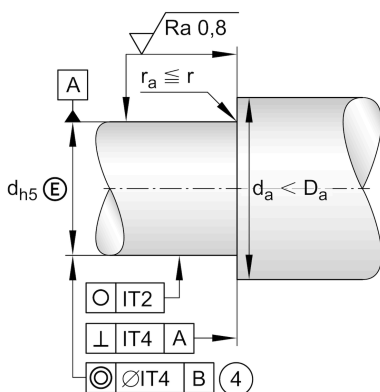
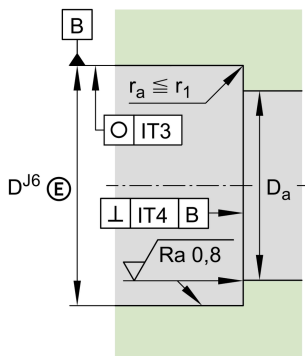
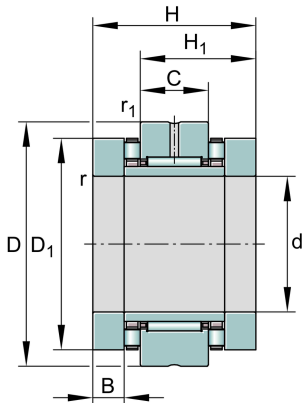
## ZARN45105-TV-A

Needle roller/axial cylindrical roller bearing

Materiálové číslo Schaeffler:  
0016830980000

Needle roller/axial cylindrical roller  
bearings ZARN, double direction

### Technické informace



### Main Dimensions & Performance Data

d	45 mm	Bore diameter
D	105 mm	Outside diameter
H	82 mm	Height
C <sub>a</sub>	154.000 N	Basic dynamic load rating, axial
C <sub>0a</sub>	405.000 N	Basic static load rating, axial
C <sub>r</sub>	40.000 N	Basic dynamic load rating, radial
C <sub>0r</sub>	82.000 N	Basic static load rating, radial
C <sub>ua</sub>	37.500 N	Fatigue load limit, axial
C <sub>ur</sub>	11.500 N	Fatigue load limit, radial
n <sub>G Oil</sub>	3.300 1/min	Limiting speed for oil lubrication
n <sub>G Grease</sub>	1.150 1/min	Limiting speed for grease lubrication
M <sub>RL</sub>	3,5 Nm	Bearing friction torque
	3,034 kg	{Hmotnost}

### Mounting dimensions

D <sub>a max</sub>	91 mm	Maximum diameter of housing shoulder
d <sub>a min</sub>	70 mm	Minimum diameter shaft shoulder

### Dimensions

H <sub>1</sub>	53,5 mm	Height outer ring over wave washer
C	25 mm	Width, outer ring
D <sub>1</sub>	90 mm	Rip diameter shaft washer
B	17,5 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

### Temperature range

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

**Additional information**

$c_{aL}$	4.000 N/ $\mu$ m	Rigidity axial
$c_{kL}$	2.100 Nm/mrad	Tilting stiffness
$M_m$	23,7 kg*cm <sup>2</sup>	Mass moment of inertia
	1 $\mu$ m	Axial runout
radial	ZMA45/85	Recommended INA precision locknut for radial locking (not included)
axial	AM45	Recommended INA precision locknut for axial locking (not included)
$M_A$	150 Nm	Tightening torque nut
	33.549 N	Required locknut force