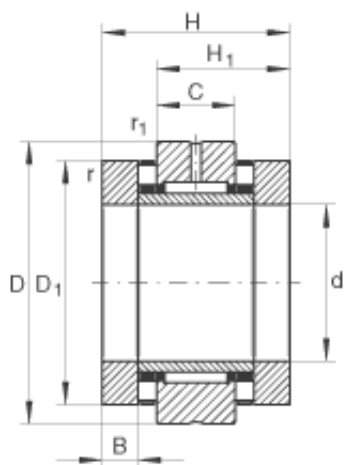




# AMERICAN BEARING MFG.CORP.



50 mm x 110 mm x 17,5 mm INA  
 ZARN50110-TV  
 Needle roller/thrust cylindrical roller bearings

Bearing No. ZARN50110-TV

Size	50x110x82 mm
Bore Diameter	50 mm
Outer Diameter	110 mm
Width	82 mm
d	50 mm
D	110 mm
H	82 mm
B	17,5 mm
C	25 mm
D <sub>1</sub>	95 mm
D <sub>a max</sub>	96 mm
d <sub>a min</sub>	75 mm
H <sub>1</sub>	53,5 mm
r <sub>1 min</sub>	0,6 mm
r <sub>min</sub>	0,3 mm
m	3,3 kg / Weight
C <sub>a</sub>	172000 N / Dynamic load rating (axial)
C <sub>0a</sub>	480000 N / Static load rating (axial)
C <sub>r</sub>	42000 N / Dynamic load rating (radial)
C <sub>0r</sub>	90000 N / Static load rating (radial)
n <sub>G OI</sub>	3100 1/min / Limiting speed

ZARN50110-TV Bearing 2D drawings and 3D CAD models



## AMERICAN BEARING MFG.CORP.

	for oil lubrication (valid only with adequate oil cooling)
$n_{G\text{ Fett}}$	1100 1/min / Limiting speed for grease lubrication
$M_{RL}$	3,8 Nm / Bearing frictional torque
$C_{aL}$	4600 N/ $\mu\text{ m}$ / Axial rigidity
$C_{kL}$	2900 Nm/mrad / Tilting rigidity
$M_m$	29,8 kg x cm <sup>2</sup> / Mass moment of inertia for rotating inner ring
	1 $\mu\text{ m}$ / Axial runout (The axial runout data for screw drive bearing arrangements are based on the rotating inner ring)
	ZMA50/92 / Designation of recommended INA locknut
	AM50 / Designation of recommended INA locknut
$M_A$	180 Nm / Tightening torque (Only valid in conjunction with INA precision locknuts)
Category	Ball Bearings
Inventory	0.0
Manufacturer Name	SCHAEFFLER GROUP
Minimum Buy Quantity	N/A
Weight / Kilogram	3.952
EAN	4012802443226
Product Group	B00234