

# ZARN50110-L-TV      INA      EAN

## 4012802078428      50x110x103mm

### Complex bearings

Bearing number	ZARN50110-L-TV
Size (mm)	50x110x103
Brand	INA
Bore Diameter (mm)	50
Outer Diameter (mm)	110
Width (mm)	103
d	50 mm
D	110 mm
H <sub>2</sub>	103 mm
B	17.5 mm
B <sub>1</sub>	38.5 mm
B <sub>2</sub>	14 mm
C	25 mm
D <sub>1</sub>	95 mm
D <sub>2</sub>	75 mm
D <sub>3</sub>	93 mm
D <sub>a max</sub>	96 mm
d <sub>a min</sub>	73 mm
H <sub>3</sub>	74.5 mm
r <sub>1 min</sub>	0.6 mm
r <sub>min</sub>	0.3 mm
m	3.75 kg / Weight

$C_a$	172000 N / Dynamic load rating (axial)
$C_{0a}$	480000 N / Static load rating (axial)
$C_r$	42000 N / Dynamic load rating (radial)
$C_{0r}$	90000 N / Static load rating (radial)
$n_{G_{ol}}$	3100 1/min / Limiting speed for oil lubrication (valid only with adequate oil cooling)
$n_{G_{Fett}}$	1100 1/min / Limiting speed for grease lubrication
$M_{RL}$	3.8 Nm / Bearing frictional torque
$C_{aL}$	4600 N/ $\mu$ m / Axial rigidity
$C_{kL}$	2900 Nm/mrad / Tilting rigidity
$M_m$	35.3 kg x cm <sup>2</sup> / Mass moment of inertia for rotating inner ring
	1 $\mu$ 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
Category	Ball Bearings
BDI Inventory	0.0
Manufacturer Name	SCHAEFFLER GROUP
Minimum Buy Quantity	N/A
Weight / Kilogram	4.495
EAN	4012802078428
Product Group – BDI	B00234