

# ZARN5090-L-TV INA 50x90x78mm

## H2 78 mm Complex bearings

Bearing number	ZARN5090-L-TV
Size (mm)	50x90x78
Brand	INA
Bore Diameter (mm)	50
Outer Diameter (mm)	90
Width (mm)	78
d	50 mm
D	90 mm
H <sub>2</sub>	78 mm
B	11.5 mm
B <sub>1</sub>	29.5 mm
B <sub>2</sub>	12 mm
C	25 mm
D <sub>1</sub>	78 mm
D <sub>2</sub>	60 mm
D <sub>3</sub>	78 mm
D <sub>a max</sub>	79 mm
d <sub>a min</sub>	58 mm
H <sub>3</sub>	60.5 mm
r <sub>1 min</sub>	0.6 mm
r <sub>min</sub>	0.3 mm
m	1.78 kg / Weight
C <sub>a</sub>	90000 N / Dynamic load rating (axial)

$C_{0a}$	300000 N / Static load rating (axial)
$C_r$	40000 N / Dynamic load rating (radial)
$C_{0r}$	82000 N / Static load rating (radial)
$n_{G_{oil}}$	3600 1/min / Limiting speed for oil lubrication (valid only with adequate oil cooling)
$n_{G_{Fett}}$	1200 1/min / Limiting speed for grease lubrication
$M_{RL}$	2.2 Nm / Bearing frictional torque
$C_{aL}$	4800 N/ $\mu$ m / Axial rigidity
$C_{kL}$	2470 Nm/mrad / Tilting rigidity
$M_m$	10.46 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)
	ZMA50/75 / Designation of recommended INA locknut
Category	Ball Bearings
BDI Inventory	0.0
Manufacturer Name	SCHAEFFLER GROUP
Minimum Buy Quantity	N/A
Weight / Kilogram	2.132
EAN	4012802439922
Product Group – BDI	B00234