

ZARN5090-TV INA Product Group

– BDI B04144 50x90x60mm

Complex bearings

Bearing number	ZARN5090-TV
Size (mm)	50x90x60
Brand	INA
Bore Diameter (mm)	50
Outer Diameter (mm)	90
Width (mm)	60
d	50 mm
D	90 mm
H	60 mm
B	11.5 mm
C	25 mm
D ₁	78 mm
D _{a max}	79 mm
d _{a min}	67 mm
H ₁	42.5 mm
r _{1 min}	0.6 mm
r _{min}	0.3 mm
m	1.43 kg / Weight
C _a	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/ μ m / Axial rigidity
C_{kL}	2470 Nm/mrad / Tilting rigidity
M_m	8.42 kg x cm ² / Mass moment of inertia for rotating inner ring
	1 μ 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
	AM50 / Designation of recommended INA locknut
M_A	85 Nm / Tightening torque (Only valid in conjunction with INA precision locknuts)
Category	Roller Bearings
BDI Inventory	0.0
Manufacturer Name	SCHAEFFLER GROUP
Minimum Buy Quantity	N/A
Weight / Kilogram	0
EAN	4012802421255
Product Group – BDI	B04144