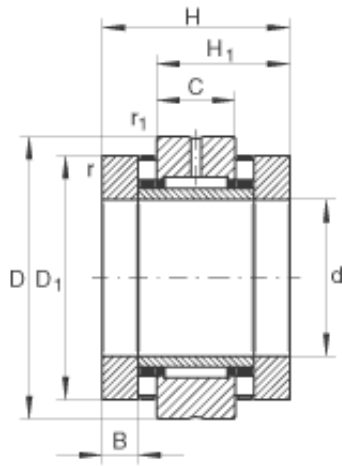




# OLIE BEARING COMPANY



50 mm x 90 mm x 11,5 mm 50 mm x 90 mm x  
11,5 mm INA ZARN5090-TV Combination  
Roller Bearings

Bearing No. ZARN5090-TV

ZARN5090-TV Bearing 2D drawings and 3D CAD  
models

Size	50x90x60 mm
Bore Diameter	50 mm
Outer Diameter	90 mm
Width	60 mm
d	50 mm
D	90 mm
H	60 mm
B	11,5 mm
C	25 mm
D <sub>1</sub>	78 mm
D <sub>a max</sub>	79 mm
d <sub>a min</sub>	67 mm
H <sub>1</sub>	42,5 mm
r <sub>1 min</sub>	0,6 mm
r <sub>min</sub>	0,3 mm
m	1,43 kg / Weight
C <sub>a</sub>	90000 N / Dynamic load rating (axial)
C <sub>0a</sub>	300000 N / Static load rating (axial)
C <sub>r</sub>	40000 N / Dynamic load rating (radial)
C <sub>0r</sub>	82000 N / Static load rating (radial)
n <sub>G OI</sub>	3600 1/min / Limiting speed



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	for oil lubrication (valid only with adequate oil cooling)
$n_{G\text{ Fett}}$	1200 1/min / Limiting speed for grease lubrication
$M_{RL}$	2,2 Nm / Bearing frictional torque
$C_{aL}$	4800 N/ $\mu\text{ m}$ / Axial rigidity
$C_{kL}$	2470 Nm/mrad / Tilting rigidity
$M_m$	8,42 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)
	ZMA50/75 / 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
Inventory	0.0
Manufacturer Name	SCHAEFFLER GROUP
Minimum Buy Quantity	N/A
Weight / Kilogram	0
EAN	4012802421255
Product Group	B04144