

# ZARN3080-L-TV INA Product Group – BDI B00234 30x80x82mm Complex bearings

Outer Diameter (mm)	80
Bearing number	ZARN3080-L-TV
Size (mm)	30x80x82
Brand	INA
Bore Diameter (mm)	30
Width (mm)	82
d	30 mm
D	80 mm
H <sub>2</sub>	82 mm
B	14 mm
B <sub>1</sub>	30 mm
B <sub>2</sub>	12 mm
C	20 mm
D <sub>1</sub>	68 mm
D <sub>2</sub>	52 mm
D <sub>3</sub>	66 mm
D <sub>a max</sub>	69 mm
d <sub>a min</sub>	50 mm
H <sub>3</sub>	59 mm
r <sub>1 min</sub>	0.6 mm
r <sub>min</sub>	0.3 mm
m	1.7 kg / Weight

$C_a$	107000 N / Dynamic load rating (axial)
$C_{0a}$	265000 N / Static load rating (axial)
$C_r$	26000 N / Dynamic load rating (radial)
$C_{0r}$	47000 N / Static load rating (radial)
$n_{G_{ol}}$	4400 1/min / Limiting speed for oil lubrication (valid only with adequate oil cooling)
$n_{G_{Fett}}$	1300 1/min / Limiting speed for grease lubrication
$M_{RL}$	2.1 Nm / Bearing frictional torque
$C_{aL}$	3300 N/ $\mu$ m / Axial rigidity
$C_{kL}$	1100 Nm/mrad / Tilting rigidity
$M_m$	7.43 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)
	ZMA30/65 / Designation of recommended INA locknut
Category	Ball Bearings
BDI Inventory	0.0
Manufacturer Name	SCHAEFFLER GROUP
Minimum Buy Quantity	N/A
Weight / Kilogram	2.036
EAN	4012802439960
Product Group – BDI	B00234