

# ZARN45105-TV INA nG Fett 1150 1/min / Limiting speed for grease lubrication 45x105x82mm Complex bearings

Bearing number	ZARN45105-TV
Size (mm)	45x105x82
Brand	INA
Bore Diameter (mm)	45
Outer Diameter (mm)	105
Width (mm)	82
d	45 mm
D	105 mm
H	82 mm
B	17.5 mm
C	25 mm
D <sub>1</sub>	90 mm
D <sub>a max</sub>	91 mm
d <sub>a min</sub>	70 mm
H <sub>1</sub>	53.5 mm
r <sub>1 min</sub>	0.6 mm
r <sub>min</sub>	0.3 mm
m	3.02 kg / Weight
C <sub>a</sub>	154000 N / Dynamic load rating (axial)
C <sub>0a</sub>	405000 N / Static load rating (axial)
C <sub>r</sub>	40000 N / Dynamic load rating (radial)

$C_{0r}$	82000 N / Static load rating (radial)
$n_{G_{ol}}$	3300 1/min / Limiting speed for oil lubrication (valid only with adequate oil cooling)
$n_{G_{Fett}}$	1150 1/min / Limiting speed for grease lubrication
$M_{RL}$	3.5 Nm / Bearing frictional torque
$C_{aL}$	4000 N/ $\mu$ m / Axial rigidity
$C_{kL}$	2100 Nm/mrad / Tilting rigidity
$M_m$	23.7 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)
	ZMA45/85 / Designation of recommended INA locknut
	AM45 / Designation of recommended INA locknut
$M_A$	150 Nm / Tightening torque (Only valid in conjunction with INA precision locknuts)
Category	Bearings
BDI Inventory	0.0
Manufacturer Name	SCHAEFFLER GROUP
Minimum Buy Quantity	N/A
Weight / Kilogram	3.616
Product Group – BDI	B00234