

# ZARN2052-TV INA Product Group

## – BDI B00234 20x52x46mm

### Complex bearings

Bearing number	ZARN2052-TV
Size (mm)	20x52x46
Brand	INA
Bore Diameter (mm)	20
Outer Diameter (mm)	52
Width (mm)	46
d	20 mm
D	52 mm
H	46 mm
B	10 mm
C	16 mm
D <sub>1</sub>	42 mm
D <sub>a max</sub>	43 mm
d <sub>a min</sub>	33 mm
H <sub>1</sub>	31 mm
r <sub>1 min</sub>	0.6 mm
r <sub>min</sub>	0.3 mm
m	0.41 kg / Weight
C <sub>a</sub>	33500 N / Dynamic load rating (axial)
C <sub>0a</sub>	76000 N / Static load rating (axial)
C <sub>r</sub>	14900 N / Dynamic load rating (radial)
C <sub>0r</sub>	22400 N / Static load rating (radial)

$n_{G_{ol}}$	7000 1/min / Limiting speed for oil lubrication (valid only with adequate oil cooling)
$n_{G_{Fett}}$	2000 1/min / Limiting speed for grease lubrication
$M_{RL}$	0.5 Nm / Bearing frictional torque
$C_{aL}$	1800 N/ $\mu$ m / Axial rigidity
$C_{kL}$	230 Nm/mrad / Tilting rigidity
$M_m$	0.62 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)
	ZMA20/38 / Designation of recommended INA locknut
	AM20 / Designation of recommended INA locknut
$M_A$	18 Nm / Tightening torque (Only valid in conjunction with INA precision locknuts)
Category	Ball Bearings
BDI Inventory	0.0
Manufacturer Name	SCHAEFFLER GROUP
Minimum Buy Quantity	N/A
Weight / Kilogram	0.491
EAN	4012802419856
Product Group – BDI	B00234