

**ZARN90180-L-TV**  
**90x180x135mm**  
**4047643181938**  
**bearings**

**INA**  
**EAN**  
**Complex**

Bearing number	ZARN90180-L-TV
Size (mm)	90x180x135
Brand	INA
Bore Diameter (mm)	90
Outer Diameter (mm)	180
Width (mm)	135
d	90 mm
D	180 mm
H <sub>2</sub>	135 mm
B	22.5 mm
B <sub>1</sub>	47.5 mm
B <sub>2</sub>	16 mm
C	35 mm
D <sub>1</sub>	160 mm
D <sub>2</sub>	130 mm
D <sub>3</sub>	158 mm
D <sub>a max</sub>	161 mm
d <sub>a min</sub>	125 mm
H <sub>3</sub>	97.5 mm
r <sub>1 min</sub>	1 mm

$r_{\min}$	0.3 mm
m	13.2 kg / Weight
$C_a$	325000 N / Dynamic load rating (axial)
$C_{0a}$	1030000 N / Static load rating (axial)
$C_r$	98000 N / Dynamic load rating (radial)
$C_{0r}$	210000 N / Static load rating (radial)
$n_{G_{ol}}$	1800 1/min / Limiting speed for oil lubrication (valid only with adequate oil cooling)
$n_{G_{Fett}}$	700 1/min / Limiting speed for grease lubrication
$M_{RL}$	10.5 Nm / Bearing frictional torque
$C_{aL}$	7700 N/ $\mu$ m / Axial rigidity
$C_{kL}$	14500 Nm/mrad / Tilting rigidity
$M_m$	372 kg x cm <sup>2</sup> / Mass moment of inertia for rotating inner ring
	2 $\mu$ m / Axial runout (The axial runout data for screw drive bearing arrangements are based on the rotating inner ring)
	ZMA90/155 / Designation of recommended INA locknut
Category	Ball Bearings
BDI Inventory	0.0
Manufacturer Name	SCHAEFFLER GROUP
Minimum Buy Quantity	N/A
Weight / Kilogram	15.807
EAN	4047643181938
Product Group – BDI	B00234