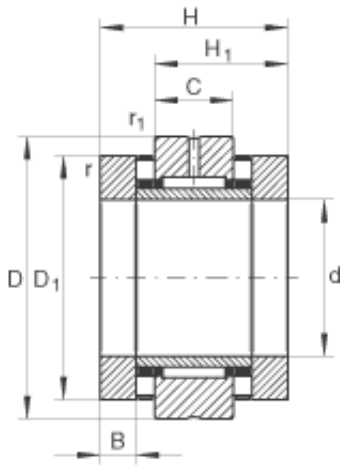




# OF Bearing Industrial Co.,Ltd.



## INA ZARN90180-TV complex bearings

Bearing No. ZARN90180-TV

Size	90x180x110 mm
Bore Diameter	90 mm
Outer Diameter	180 mm
Width	110 mm
d	90 mm
D	180 mm
H	110 mm
B	22,5 mm
C	35 mm
D <sub>1</sub>	160 mm
D <sub>a max</sub>	161 mm
d <sub>a min</sub>	130 mm
H <sub>1</sub>	72,5 mm
r <sub>1 min</sub>	1 mm
r <sub>min</sub>	0,3 mm
m	11,8 kg / Weight
C <sub>a</sub>	325000 N / Dynamic load rating (axial)
C <sub>0a</sub>	1030000 N / Static load rating (axial)
C <sub>r</sub>	98000 N / Dynamic load rating (radial)
C <sub>0r</sub>	210000 N / Static load rating (radial)
n <sub>G OI</sub>	1800 1/min / Limiting speed for oil lubrication (valid only with adequate oil)

ZARN90180-TV Bearing 2D drawings and 3D CAD models



## OF Bearing Industrial Co.,Ltd.

	cooling)
$n_{G\text{ Fett}}$	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
$M_m$	312 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
	AM90 / Designation of recommended INA locknut
$M_A$	960 Nm / Tightening torque (Only valid in conjunction with INA precision locknuts)
Category	Ball Bearings
Inventory	0.0
Manufacturer Name	SCHAEFFLER GROUP
Minimum Buy Quantity	N/A
Weight / Kilogram	14.13
EAN	4012802416107
Product Group	B00234