

ZARN1545-L-TV INA Ca 24900 N / Dynamic load rating (axial) 15x45x53mm Complex bearings

Bearing number	ZARN1545-L-TV
Size (mm)	15x45x53
Brand	INA
Bore Diameter (mm)	15
Outer Diameter (mm)	45
Width (mm)	53
d	15 mm
D	45 mm
H ₂	53 mm
B	7.5 mm
B ₁	20.5 mm
B ₂	11 mm
C	16 mm
D ₁	35 mm
D ₂	24 mm
D ₃	34 mm
D _{a max}	36 mm
d _{a min}	22 mm
H ₃	41 mm
r _{1 min}	0.6 mm

r_{\min}	0.3 mm
m	0.37 kg / Weight
C_a	24900 N / Dynamic load rating (axial)
$C_{\theta a}$	53000 N / Static load rating (axial)
C_r	13000 N / Dynamic load rating (radial)
$C_{\theta r}$	17500 N / Static load rating (radial)
$n_{G\ oil}$	8500 1/min / Limiting speed for oil lubrication (valid only with adequate oil cooling)
$n_{G\ Fett}$	2200 1/min / Limiting speed for grease lubrication
M_{RL}	0.35 Nm / Bearing frictional torque
C_{aL}	1400 N/ μ m / Axial rigidity
C_{kL}	110 Nm/mrad / Tilting rigidity
M_m	0.274 kg x cm ² / Mass moment of inertia for rotating inner ring
	1 μ m / Axial runout (The axial runout data for screw drive bearing arrangements are based on the rotating inner ring)
	ZMA15/33 / Designation of recommended INA locknut