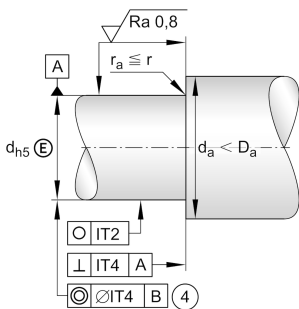
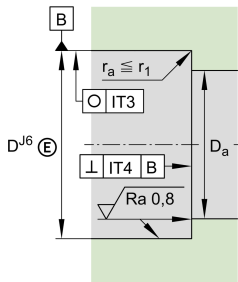
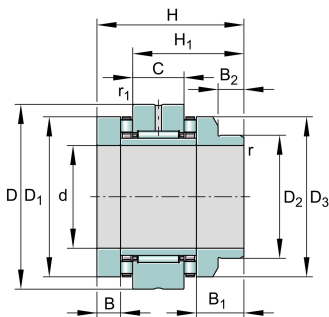


ZARN90180-L-TV

Needle roller/axial cylindrical roller bearing

Needle roller/axial cylindrical roller bearings
ZARN...-L, double direction, long shaft
locating washer

Informacje techniczne



Twoja aktualna wersja produktu

Cage	TV	Plastic Cage made from PA66
Locating Feature , bearing outer ring	L	Stepped shaft locating washer extended on one side

Main Dimensions & Performance Data

d	90 mm	Bore diameter
D	180 mm	Outside diameter
H	135 mm	Hight
C _a	325.000 N	Basic dynamic load rating, axial
C _{0a}	1.030.000 N	Basic static load rating, axial
C _r	98.000 N	Basic dynamic load rating, radial
C _{0r}	210.000 N	Basic static load rating, radial
C _{ua}	95.000 N	Fatigue load limit, axial
C _{ur}	29.000 N	Fatigue load limit, radial
n _{G Oil}	1.800 1/min	Limiting speed for oil lubrication
n _{G Grease}	700 1/min	Limiting speed for grease lubrication
M _{RL}	10,5 Nm	Bearing friction torque

≈m 13,896 kg Masa

Mounting dimensions

D _{a max}	161 mm	Maximum diameter of housing shoulder
d _{a min}	125 mm	Minimum diameter shaft shoulder



Dimensions

H 1	97,5 mm	Height outer ring over wave washer
C	35 mm	Width, outer ring
D 1	160 mm	Rip diameter shaft washer
D 2	130 mm	Heeldiameter wave washer long
D 3	158 mm	Outside diameter wave washer long
B	22,5 mm	Width, inner ring
B 1	47,5 mm	Width wave washer long
B 2	18 mm	Width heel wave washer long
r min	0,3 mm	Minimum chamfer dimension
r 1 min	1 mm	Minimum chamfer dimension

Temperature range

T min	-30 °C	Operating temperature min.
T max	120 °C	Operating temperature max.

Additional information

c aL	7.700 N/μm	Rigidity axial
c kL	14.500 Nm/mrad	Tilting stiffness
M m	372 kg*cm2	Mass moment of inertia
	1 μm	Axial runout
radial	ZMA90/155	Recommended INA precision locknut for radial locking (not included)
axial	AM90	Recommended INA precision locknut for axial locking (not included)
M A	960 Nm	Tightening torque nut
	100.669 N	Required locknut force
	130X160X12	Rotary shaft seal to DIN 3760 (not included)



Właściwości



Obciążenie promieniowe



Obciążenie osiowe jednokierunkowe



Obciążenie osiowe dwukierunkowe



Smarowanie smarem



Smarowanie olejem



Bez uszczelnienia