



Needle roller/axial cylindrical roller bearings ZARN2052-L-TV (Series ZARN..-L)

double direction, long shaft locating washer

The datasheet is only an overview of dimensions and basic load ratings of the selected product. Please always observe all the guidelines in these overview pages. Further information is given on many products under the menu item "Description". You can also order comprehensive information via the Catalogue ordering system (<http://www.ina.de/content.ina.de/en/mediathek/library/library.jsp>) or by telephone on +49 (91 32) 82 - 28 97.

d	20 mm	
D	52 mm	
H ₂	60 mm	
B	10 mm	
B ₁	24 mm	
B ₂	11 mm	
C	16 mm	
D ₁	42 mm	
D ₂	30 mm	
D ₃	40 mm	
D _a max	43 mm	Mounting dimensions If rotary shaft seals are used, the outside diameter of the sealing ring must be taken into consideration.
d _a min	28 mm	Mounting dimensions If rotary shaft seals are used, the outside diameter of the sealing ring must be taken into consideration.
H ₃	45 mm	
r ₁ min	0,6 mm	
r _{min}	0,3 mm	
m	0,46 kg	Mass
C _a	33500 N	Basic dynamic load rating, axial
C _{0a}	76000 N	Basic static load rating, axial
C _r	14900 N	Basic dynamic load rating, radial

C _{0r}	22400 N	Basic static load rating, radial
n _G	7000 1/min	Limiting speed for oil lubrication (valid only with adequate oil cooling)
Öl		
n _G	2000 1/min	Limiting speed for grease lubrication
Fett		
M _{RL}	0,5 Nm	Bearing frictional torque
CaL	1800 N/μm	Axial rigidity
ckL	230 Nm/mrad	Tilting rigidity
M _m	0,683 kg x cm ²	Mass moment of inertia for rotating inner ring
	1 μm	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
MA	18 Nm	Tightening torque
		Only valid in conjunction with INA precision locknuts
	9376 N	Axial preload force
DR	30X42X7	Rotary shaft seal to DIN 3760
		To be ordered separately.
		Locknuts and rotary shaft seal not included in delivery.



