



# Needle roller/axial cylindrical roller bearings ZARF3080-TV (Series ZARF)

double direction, for screw mounting

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	30 mm	
D	80 mm	
H	50 mm	
6)	Mounting dimension for seal carrier assembly DRS. Seal carriers: see under "Accessories".	
B	10 mm	
C	18 mm	
C <sub>1</sub>	10 mm	
D <sub>1</sub>	52 mm	
d <sub>1</sub>	3,2 mm	
D <sub>a</sub> max	53 mm	Mounting dimensions If rotary shaft seals are used, the outside diameter of the sealing ring must be taken into consideration.
d <sub>a</sub> min	44 mm	Mounting dimensions If rotary shaft seals are used, the outside diameter of the sealing ring must be taken into consideration.
H <sub>1</sub>	33 mm	
J	63 mm	
r <sub>1</sub> min	0,6 mm	
r <sub>min</sub>	0,3 mm	
m	0,85 kg	Mass
C <sub>a</sub>	39000 N	Basic dynamic load rating, axial
C <sub>0a</sub>	101000 N	Basic static load rating, axial

Cr	24300 N	Basic dynamic load rating, radial
C <sub>0r</sub>	41500 N	Basic static load rating, radial
n <sub>G</sub>	5500 1/min	Limiting speed for oil lubrication (valid only with adequate oil cooling)
Öl		
n <sub>G</sub>	1800 1/min	Limiting speed for grease lubrication
Fett		
M <sub>RL</sub>	0,65 Nm	Bearing frictional torque
CaL	2200 N/µm	Axial rigidity
CkL	520 Nm/mrad	Tilting rigidity
M <sub>m</sub>	1,46 kg x cm <sup>2</sup>	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.
	12	Quantity of fixing screws to DIN 912-10.9 Screws not included in delivery.
	M6	Size of fixing screws to DIN 912-10.9 Tightening torque of fixing screws according to manufacturer's data. Screws not included in delivery.
	ZMA30/52	Designation of recommended INA locknut
	AM30	Designation of recommended INA locknut
MA	32 Nm	Tightening torque Only valid in conjunction with INA precision locknuts
	11091 N	Axial preload force Locknuts and fixing screws not included in delivery.



