



# Needle roller/axial cylindrical roller bearings ZARF60150-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	60 mm	
D	150 mm	
H	82 mm	
6)		Mounting dimension for seal carrier assembly DRS. Seal carriers: see under "Accessories".
B	17,5 mm	
C	22,5 mm	
C <sub>1</sub>	12,5 mm	
D <sub>1</sub>	105 mm	
d <sub>1</sub>	6 mm	
D <sub>a</sub> max	106 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	90 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>	51 mm	
J	123 mm	
r <sub>1</sub> min	0,6 mm	
r <sub>min</sub>	0,3 mm	
m	4,7 kg	Mass
C <sub>a</sub>	187000 N	Basic dynamic load rating, axial
C <sub>0a</sub>	550000 N	Basic static load rating, axial



Cr	44500 N	Basic dynamic load rating, radial
Cor	92000 N	Basic static load rating, radial
nG	2700 1/min	Limiting speed for oil lubrication (valid only with adequate oil cooling)
Öl		
nG	950 1/min	Limiting speed for grease lubrication
Fett		
MRL	4,2 Nm	Bearing frictional torque
CaL	5300 N/µm	Axial rigidity
ckL	4300 Nm/mrad	Tilting rigidity
Mm	43,8 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.
	M10	Size of fixing screws to DIN 912-10.9 Tightening torque of fixing screws according to manufacturer's data. Screws not included in delivery.
	ZMA60/98	Designation of recommended INA locknut
	AM60	Designation of recommended INA locknut
MA	250 Nm	Tightening torque Only valid in conjunction with INA precision locknuts
	42190 N	Axial preload force Locknuts and fixing screws not included in delivery.



