



Needle roller/axial cylindrical roller bearings ZARF1560-L-TV (Series ZARF..-L)

double direction, for screw mounting, 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	15 mm	
D	60 mm	
H ₂	53 mm	
6)	Mounting dimension for seal carrier assembly DRS. Seal carriers: see under "Accessories".	
B	7,5 mm	
B ₁	20,5 mm	
B ₂	11 mm	
C	14 mm	
C ₁	8 mm	
D ₁	35 mm	
d ₁	3,2 mm	
D ₂	24 mm	
D ₃	34 mm	
D _a max	36 mm	Mounting dimensions If rotary shaft seals are used, the outside diameter of the sealing ring must be taken into consideration.
d _a min	22 mm	Mounting dimensions If rotary shaft seals are used, the outside diameter of the sealing ring must be taken into consideration.
H ₃	39 mm	
J	46 mm	
r ₁ min	0,6 mm	

r_{min}	0,3 mm	
m	0,45 kg	Mass
C_a	24900 N	Basic dynamic load rating, axial
C_{0a}	53000 N	Basic static load rating, axial
C_r	13000 N	Basic dynamic load rating, radial
C_{0r}	17500 N	Basic static load rating, radial
n_G	8500 1/min	Limiting speed for oil lubrication (valid only with adequate oil cooling)
$\dot{O}l$		
n_G	2200 1/min	Limiting speed for grease lubrication
F_{ett}		
$M_{Rl.}$	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.
	6	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.
	ZMA15/33	Designation of recommended INA locknut
	AM15	Designation of recommended INA locknut
M_A	10 Nm	Tightening torque Only valid in conjunction with INA precision locknuts
	6506 N	Axial preload force
DR	24X35X7	Rotary shaft seal to DIN 3760 To be ordered separately. Locknuts, rotary shaft seal and fixing screws not included in delivery.



