



Needle roller/axial cylindrical roller bearings ZARN1747-TV (Series ZARN)

double direction

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 17 mm D 47 mm H 43 mm H 43 mm B 9 mm C 16 mm D1 38 mm Da 39 mm Mounting dimensions If rotary shaft seals are used, the outside diameter of the sealing ring must be taken into consideration. da 28 mm Mounting dimensions If rotary shaft seals are used, the outside diameter of the sealing ring must be taken into consideration. H1 29,5 mm r1 0,6 mm min rmin 0,3 mm m 0,37 kg Mass Ca 26000 N Basic dynamic load rating, axial Cr 14000 N Basic static load rating, axial Cr 19900 N Basic static load rating, radial ng 7800 1/min Limiting speed for oil lubrication (valid only with adequate oil cooling) Oil		
H 43 mm B 9 mm C 16 mm D1 38 mm Da 39 mm Mounting dimensions If rotary shaft seals are used, the outside diameter of the sealing ring must be taken into consideration. da 28 mm Mounting dimensions If rotary shaft seals are used, the outside diameter of the sealing ring must be taken into consideration. H1 29,5 mm Fin 0,6 mm min 0,3 mm M 0,37 kg Mass Ca 26000 N Basic dynamic load rating, axial Cr 14000 N Basic static load rating, axial Cr 14900 N Basic static load rating, radial RG 7800 1/min Limiting speed for oil lubrication (valid only with adequate oil cooling)	d	17 mm
B 9 mm C 16 mm D1 38 mm Da 39 mm Mounting dimensions If rotary shaft seals are used, the outside diameter of the sealing ring must be taken into consideration. da 28 mm Mounting dimensions If rotary shaft seals are used, the outside diameter of the sealing ring must be taken into consideration. H1 29,5 mm r1 0,6 mm min rmin 0,3 mm m 0,37 kg Mass Ca 26000 N Basic dynamic load rating, axial Cr 14000 N Basic static load rating, radial Cr 19900 N Basic static load rating, radial RG 7800 1/min Limiting speed for oil lubrication (valid only with adequate oil cooling)	D	47 mm
C 16 mm D1 38 mm Da 39 mm Mounting dimensions If rotary shaft seals are used, the outside diameter of the sealing ring must be taken into consideration. da 28 mm Mounting dimensions If rotary shaft seals are used, the outside diameter of the sealing ring must be taken into consideration. H1 29,5 mm F1 0,6 mm min Fmin 0,3 mm M 0,37 kg Mass Ca 26000 N Basic dynamic load rating, axial Coa 57000 N Basic static load rating, axial Cr 14000 N Basic static load rating, radial Cor 19900 N Basic static load rating, radial FROM 1/min Limiting speed for oil lubrication (valid only with adequate oil cooling) Oil	Н	43 mm
C 16 mm D1 38 mm Da 39 mm Mounting dimensions If rotary shaft seals are used, the outside diameter of the sealing ring must be taken into consideration. da 28 mm Mounting dimensions If rotary shaft seals are used, the outside diameter of the sealing ring must be taken into consideration. H1 29,5 mm F1 0,6 mm min Fmin 0,3 mm M 0,37 kg Mass Ca 26000 N Basic dynamic load rating, axial Coa 57000 N Basic static load rating, axial Cr 14000 N Basic static load rating, radial Cor 19900 N Basic static load rating, radial FROM 1/min Limiting speed for oil lubrication (valid only with adequate oil cooling) Oil		
D1 38 mm Da 39 mm Mounting dimensions If rotary shaft seals are used, the outside diameter of the sealing ring must be taken into consideration. da 28 mm Mounting dimensions If rotary shaft seals are used, the outside diameter of the sealing ring must be taken into consideration. H1 29.5 mm T1 0,6 mm min fmin 0,3 mm m 0,37 kg Mass Ca 26000 N Basic dynamic load rating, axial Coa 57000 N Basic static load rating, axial Cr 14000 N Basic dynamic load rating, radial Cor 19900 N Basic static load rating, radial TG 7800 1/min Limiting speed for oil lubrication (valid only with adequate oil cooling)	В	9 mm
Da 39 mm Mounting dimensions If rotary shaft seals are used, the outside diameter of the sealing ring must be taken into consideration. da 28 mm Mounting dimensions If rotary shaft seals are used, the outside diameter of the sealing ring must be taken into consideration. H1 29,5 mm r1 0,6 mm min mm 0,37 kg Mass Ca 26000 N Basic dynamic load rating, axial Coa 57000 N Basic static load rating, axial Cr 14000 N Basic dynamic load rating, radial Cor 19900 N Basic static load rating, radial 7800 1/min Limiting speed for oil lubrication (valid only with adequate oil cooling)	С	16 mm
If rotary shaft seals are used, the outside diameter of the sealing ring must be taken into consideration. da 28 mm Mounting dimensions If rotary shaft seals are used, the outside diameter of the sealing ring must be taken into consideration. H1 29,5 mm 10,6 mm 11 0,6 mm 11 0,3 mm 12 0,37 kg Mass 13 Ca 26000 N Basic dynamic load rating, axial 14 Coa 57000 N Basic static load rating, axial 15 Cr 14000 N Basic dynamic load rating, radial 16 Cor 19900 N Basic static load rating, radial 17 Cor 19900 N Basic static load rating, radial 18 T800 1/min Limiting speed for oil lubrication (valid only with adequate oil cooling)	D ₁	38 mm
consideration. da 28 mm Mounting dimensions If rotary shaft seals are used, the outside diameter of the sealing ring must be taken into consideration. H1 29,5 mm r1 0,6 mm min rmin 0,3 mm m 0,37 kg Mass Ca 26000 N Basic dynamic load rating, axial Coa 57000 N Basic static load rating, axial Cr 14000 N Basic dynamic load rating, radial Cor 19900 N Basic static load rating, radial ng 7800 1/min Limiting speed for oil lubrication (valid only with adequate oil cooling) öi	Da	39 mm Mounting dimensions
min If rotary shaft seals are used, the outside diameter of the sealing ring must be taken into consideration. H1 29,5 mm r1 0,6 mm min rmin 0,3 mm m 0,37 kg Mass Ca 26000 N Basic dynamic load rating, axial Coa 57000 N Basic static load rating, axial Cr 14000 N Basic dynamic load rating, radial Cor 19900 N Basic static load rating, radial no 7800 1/min Limiting speed for oil lubrication (valid only with adequate oil cooling)	max	
consideration. H1 29,5 mm r1 0,6 mm min rmin 0,3 mm m 0,37 kg Mass Ca 26000 N Basic dynamic load rating, axial Coa 57000 N Basic static load rating, axial Cr 14000 N Basic dynamic load rating, radial Cor 19900 N Basic static load rating, radial no 7800 1/min Limiting speed for oil lubrication (valid only with adequate oil cooling)	da	-
r1 0,6 mm min rmin 0,3 mm m 0,37 kg Mass Ca 26000 N Basic dynamic load rating, axial Coa 57000 N Basic static load rating, axial Cr 14000 N Basic dynamic load rating, radial Cor 19900 N Basic static load rating, radial ng 7800 1/min Limiting speed for oil lubrication (valid only with adequate oil cooling)	min	
min m 0,37 kg Mass Ca 26000 N Basic dynamic load rating, axial Coa 57000 N Basic static load rating, axial Cr 14000 N Basic dynamic load rating, radial Cor 19900 N Basic static load rating, radial ng 7800 1/min Limiting speed for oil lubrication (valid only with adequate oil cooling)	H ₁	29,5 mm
m 0,37 kg Mass Ca 26000 N Basic dynamic load rating, axial Coa 57000 N Basic static load rating, axial Cr 14000 N Basic dynamic load rating, radial Cor 19900 N Basic static load rating, radial no 7800 1/min Limiting speed for oil lubrication (valid only with adequate oil cooling)	rı	0,6 mm
m 0,37 kg Mass Ca 26000 N Basic dynamic load rating, axial Coa 57000 N Basic static load rating, axial Cr 14000 N Basic dynamic load rating, radial Cor 19900 N Basic static load rating, radial ng 7800 1/min Limiting speed for oil lubrication (valid only with adequate oil cooling) öl	min	
Ca 26000 N Basic dynamic load rating, axial Coa 57000 N Basic static load rating, axial Cr 14000 N Basic dynamic load rating, radial Cor 19900 N Basic static load rating, radial ng 7800 1/min Limiting speed for oil lubrication (valid only with adequate oil cooling) öl	ľmin	0,3 mm
Ca 26000 N Basic dynamic load rating, axial Coa 57000 N Basic static load rating, axial Cr 14000 N Basic dynamic load rating, radial Cor 19900 N Basic static load rating, radial ng 7800 1/min Limiting speed for oil lubrication (valid only with adequate oil cooling) öl	m	0,37 kg Mass
Coa 57000 N Basic static load rating, axial Cr 14000 N Basic dynamic load rating, radial Cor 19900 N Basic static load rating, radial no 7800 1/min Limiting speed for oil lubrication (valid only with adequate oil cooling) ŏl	Ca	26000 N Basic dynamic load rating, axial
Cor 19900 N Basic static load rating, radial ng 7800 1/min Limiting speed for oil lubrication (valid only with adequate oil cooling) öl	C0a	57000 N Basic static load rating, axial
ng 7800 1/min Limiting speed for oil lubrication (valid only with adequate oil cooling)	Cr	14000 N Basic dynamic load rating, radial
ŎI	Cor	19900 N Basic static load rating, radial
	ng	7800 1/min Limiting speed for oil lubrication (valid only with adequate oil cooling)
ng 2100 1/min Limiting speed for grease lubrication	ÖI	
	ng	2100 1/min Limiting speed for grease lubrication



Fett

MRI. 0,4 Nm Bearing frictional torque

caL 1600 N/µm Axial rigidity

ckL 160 Nm/mrad Tilting rigidity

M_m 0,37 kg x cm² 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.

ZM17 Designation of recommended INA locknut

AM17 Designation of recommended INA locknut

Ma 12 Nm Tightening torque

Only valid in conjunction with INA precision locknuts

7078 N Axial preload force

Locknuts not included in delivery.







