



Axial/radial bearings YRT80-TV

(Series YRT)

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	80 mm	Sizes d > 1030 mm available by agreement
D	146 mm	
H	35 mm	
	10	Number of fixing holes in inner ring Attention! For fixing holes in the adjacent construction. Note the pitch of the bearing holes.
	12	Number of fixing holes in outer ring Attention! For fixing holes in the adjacent construction. Note the pitch of the bearing holes.
	2	Number of retaining screws
1)		Retaining screws
2)		Screw counterbores in the L-section ring open to the bearing bore, see Figure 2.) Bearing inside diameter unsupported in area x.
a	4 mm	Fixing holes in inner ring
C	12 mm	
d ₁	5,6 mm	Fixing holes in inner ring
D ₁	130 mm	
max		
d ₂	10 mm	Fixing holes in inner ring
d ₃	4,6 mm	Fixing holes in outer ring
H ₁	23,35 mm	
H ₂	11,65 mm	
J	92 mm	Fixing holes in inner ring
J ₁	138 mm	Fixing holes in outer ring
t	12 X 30°	Pitch t Including retaining screws and extraction threads

Quantity X t

m	2,4 kg	Mass
MA	8,5 / 4,5 Nm	Screw tightening torque Tightening torque for screws to DIN 912, grade 10.9.
Ca	38000 N	Basic dynamic load rating, axial
C0a	158000 N	Basic static load rating, axial
Cr	44000 N	Basic dynamic load rating, radial
C0r	98000 N	Basic static load rating, radial
nG	350 1/min	Limiting speed For high operating durations or continuous operation, please contact us.
MR	3 Nm	Bearing frictional torque
CaL	1600 N/μm	Axial rigidity of bearing position Rigidity values taking account of the rolling element set, rigidity of the bearing rings and the screw connections.
CrL	1800 N/μm	Radial rigidity of bearing position Rigidity values taking account of the rolling element set, rigidity of the bearing rings and the screw connections.
CkL	2500 Nm/mrad	Tilting rigidity of the bearing position Rigidity values taking account of the rolling element set, rigidity of the bearing rings and the screw connections.
CaL	4000 N/μm	Axial rigidity of rolling element set
CrL	2600 N/μm	Radial rigidity of rolling element set
CkL	6300 Nm/mrad	Tilting rigidity of rolling element set Cages made from glass fibre reinforced polyamide 66.

