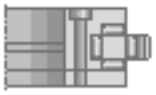


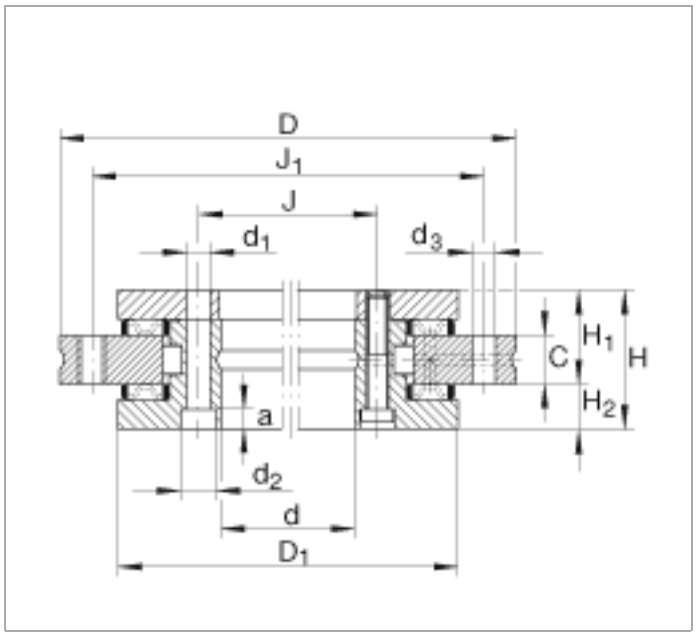
Axial/radial bearings YRT325 (Series YRT)

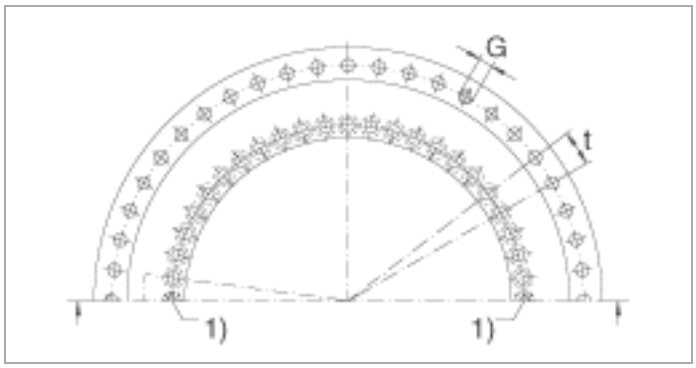
double direction, for screw mounting

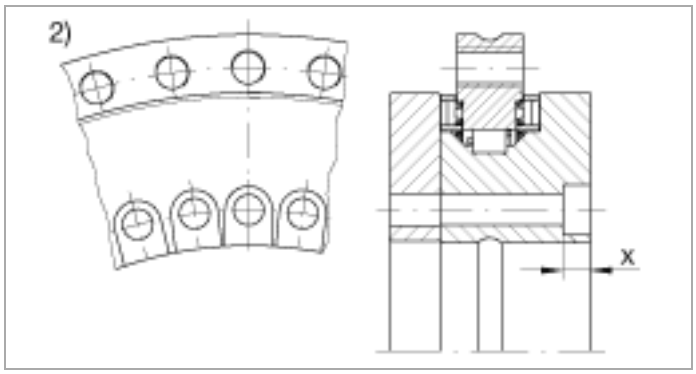
The datasheet is only an overview of dimensions and basic load ratings of the selected product. Please always observe all the guidelines in these overview pages. Further information is given on many products under the menu item "Description". You can also order comprehensive information via the Catalogue 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	325	mm	Sizes d > 1030 mm available by agreement
D	450	mm	
H	60	mm	
	34		Number of fixing holes in inner ring Attention! For fixing holes in the adjacent construction. Note the pitch of the bearing holes.
	33		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
	3		Number of extraction threads
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	8,2	mm	Fixing holes in inner ring
C	20	mm	
d_1	9,3	mm	Fixing holes in inner ring
$D_{1\,max}$	415	mm	
d_2	15	mm	Fixing holes in inner ring
d_3	9,3	mm	Fixing holes in outer ring
G	M12		Extraction thread
H_1	40	mm	
H_2	20	mm	
J	342	mm	Fixing holes in inner ring

J_1	430 mm	Fixing holes in outer ring
t	36 X 10°	Pitch t Including retaining screws and extraction threads Quantity X t
m	25 kg	Mass
M_A	34 Nm	Screw tightening torque Tightening torque for screws to DIN 912, grade 10.9.
C_a	186000 N	Basic dynamic load rating, axial
C_{0a}	1710000 N	Basic static load rating, axial
C_r	134000 N	Basic dynamic load rating, radial
C_{0r}	415000 N	Basic static load rating, radial
n_G	110 1/min	Limiting speed For high operating durations or continuous operation, please contact us.
M_R	48 Nm	Bearing frictional torque
c_{aL}	4300 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.
c_{rL}	5000 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.
c_{kL}	80000 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.
c_{aL}	26100 N/µm	Axial rigidity of rolling element set
c_{rL}	9400 N/µm	Radial rigidity of rolling element set
c_{kL}	422000 Nm/mrad	Tilting rigidity of rolling element set


D
J1
J
d1
d3
C
H1
H
H2
a
d2
d
D1


G
t
1)
1)


2)
x