



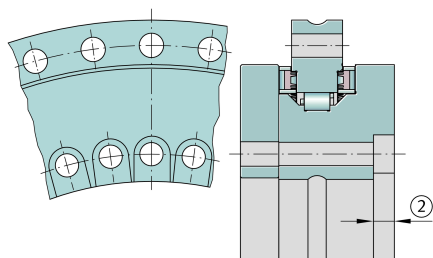
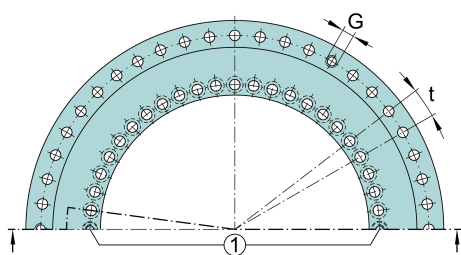
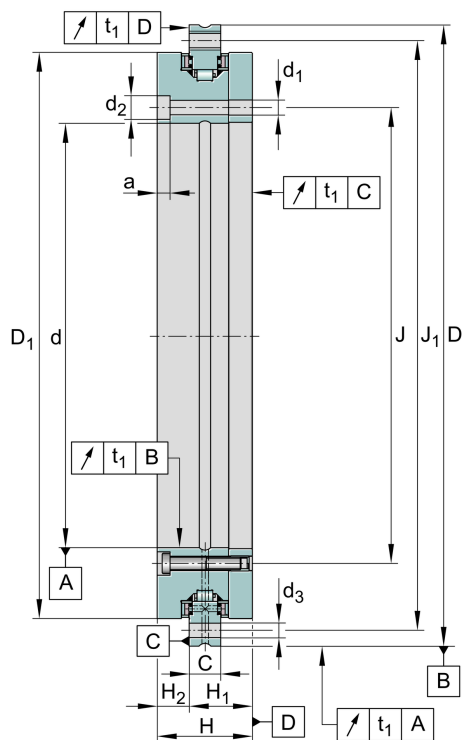
YRTS325-C

Axial/radial roller bearing

Schaeffler ID:
0778144600000

Axial/radial bearings YRTS, double direction, for screw mounting, for higher speeds

Technical information



Main Dimensions & Performance Data

d	325 mm	Bore diameter
	0 mm	Bore diameter upper tolerance
	-0,023 mm	Bore diameter lower tolerance
D	450 mm	Outside diameter
	0 mm	Outside diameter upper tolerance
	-0,023 mm	Outside diameter lower tolerance
H	60 mm	Height
C _r	109.000 N	Basic dynamic load rating, radial
C _{0r}	320.000 N	Basic static load rating, radial
C _a	191.000 N	Basic dynamic load rating, axial
C _{0a}	1.260.000 N	Basic static load rating, axial
n _G	760 1/min	Limiting speed
≈m	24,765 kg	Weight

Mounting dimensions

J	342 mm	Pitch circle diameter fixing holes in inner ring
J ₁	430 mm	Pitch circle diameter fixing holes in outer ring
d ₁	9,3 mm	Fixing holes diameter inner ring
d ₂	15 mm	Counterbore diameter of fixing holes
a	8,2 mm	Counterbore depth of fixing holes
	34	Quantity of fixing holes inner ring
d ₃	9,3 mm	Fixing holes diameter outer ring
	33	Quantity of fixing holes outer ring
n	36	Pitch quantity
t	10 °	Pitch separation angle
G	M12	Threaded extraction hole
	3	Quantity of threaded extraction hole
M _A	34 Nm	Screw tightening torque
	2	Quantity of retaining screws
t ₁	6 μm	Axial and radial runout, measurement standard; Measured on mounted bearing, with ideal adjacent construction.

The datasheet is only an overview of dimensions and basic load ratings of the selected product. Please always observe all further information and guidelines for this product. For further information you can use the contact form on our website.

Dimensions

H ₁	40 mm	Height contact face outer ring
	0,06 mm	Height contact face outerring H1 upper tolerance
	-0,07 mm	Height contact face outerring H1 lower tolerance
H ₂	20 mm	Height contact face outer ring
D _{1 max}	415,1 mm	Maximum bord diameter inner ring
C	20 mm	Width of outer ring

Temperature range

T _{min}	-30 °C	Operating temperature min.
T _{max}	120 °C	Operating temperature max.

Additional information

c _{aL}	6.600 N/μm	Axial rigidity of bearing position
c _{rL}	1.800 N/μm	Radial rigidity of bearing position
c _{kL}	115.000 Nm/mrad	Tilting rigidity of bearing position
c _{aL}	19.900 N/μm	Axial rigidity of rolling element set
c _{rL}	7.100 N/μm	Radial rigidity of rolling element set
c _{kL}	350.000 Nm/mrad	Tilting rigidity of rolling element set
M _m	2.489 kg*cm2	Mass moment of inertia for rotating outer ring
M _m	4.506 kg*cm2	Mass moment of inertia for rotating inner ring