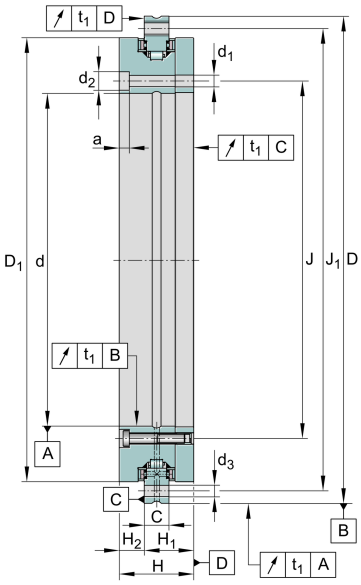
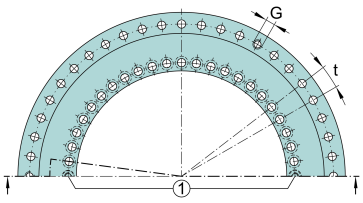
YRTS260

Axial/radial roller bearing

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

Technical information





Main Dimensions & Performance Data

d	260 mm	Bore diameter
	0 mm	Bore diameter upper tolerance
	-0,018 mm	Bore diameter lower tolerance
D	385 mm	Outside diameter
	0 mm	Outside diameter upper tolerance
	-0,02 mm	Outside diameter lower tolerance
H	55 mm	Height
C_r	110.000 N	Basic dynamic load rating, radial
C_{0r}	305.000 N	Basic static load rating, radial
C_a	173.000 N	Basic dynamic load rating, axial
C_{0a}	1.050.000 N	Basic static load rating, axial
n_G	910 1/min	Limiting speed
≈m	18,507 kg	Weight

Mounting dimensions

J	280 mm	Pitch circle diameter fixing holes in inner ring
J_1	365 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.

Dimensions

H_1	36,5 mm	Height contact face outer ring
	0,05 mm	Height contact face outerring H1 upper tolerance
	-0,07 mm	Height contact face outerring H1 lower tolerance
H_2	18,5 mm	Height contact face outer ring
$D_{1\,max}$	347 mm	Maximum diameter inner ring
C	18 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}	9.700 N/µm	Axial rigidity of bearing position
c_{rL}	6.400 N/µm	Radial rigidity of bearing position
c_{kL}	120.600 Nm/mrad	Tilting rigidity of bearing position
c_{aW}	16.800 N/µm	Axial rigidity of rolling element set
c_{rW}	5.800 N/µm	Radial rigidity of rolling element set
c_{kW}	201.000 Nm/mrad	Tilting rigidity of rolling element set
M_m	1.422 kg*cm2	Mass moment of inertia for rotating outer ring
M_m	2.074 kg*cm2	Mass moment of inertia for rotating inner ring

Characteristics

- Radial load
- Axial load in one direction
- Axial load in two directions
- Moments about all axes
- Grease Lubrication
- Not sealed
- Large bearing