

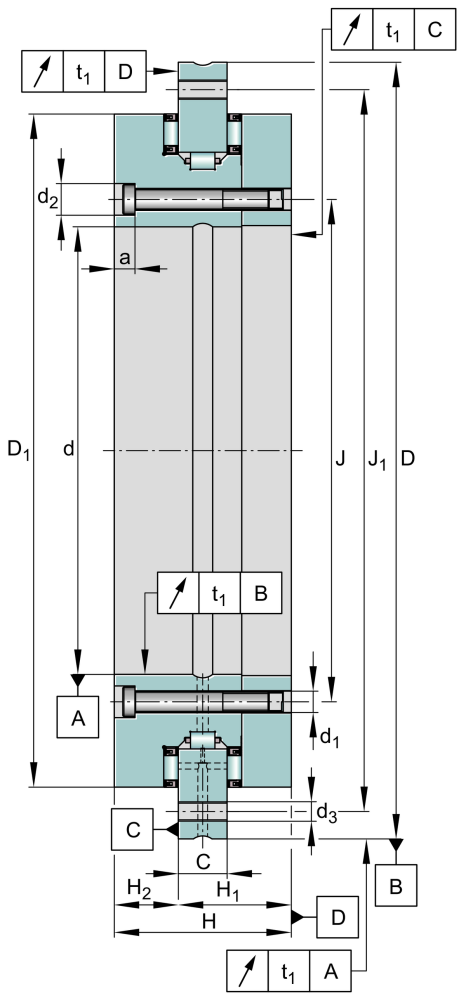
YRTC260-XL

Axial/radial roller bearing

Schaeffler ID:
0889031090000

Axial/radial bearings double direction,
screw mounting, with integrated angular
measuring system

Technical information



Main Dimensions & Performance Data

d	260 mm	Bore diameter
	-0.018 mm	Bore diameter lower tolerance
D	385 mm	Outside diameter
	-0.02 mm	Outside diameter lower tolerance
H	55 mm	Height
C _r	140,000 N	Basic dynamic load rating, radial
C _{0r}	355,000 N	Basic static load rating, radial
C _a	168,000 N	Basic dynamic load rating, axial
C _{0a}	1,090,000 N	Basic static load rating, axial
C _{ur}	47,000 N	Fatigue load limit, radial
C _{ua}	94,000 N	Fatigue load limit, axial
n _G	300 1/min	Limiting speed
M _R	9 Nm	Bearing friction torque
	17.8 kg	Weight

Dimensions

H ₁	36.5 mm	Height contact face outer ring
H ₂	18.5 mm	Height contact face outer ring
C	18 mm	Width of outer ring
D _{1 max}	347 mm	Maximum bord diameter inner ring

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

Additional information

c _{al}	6,900 N/μm	Axial rigidity of bearing position
c _{rL}	5,300 N/μm	Radial rigidity of bearing position
c _{kL}	104,000 Nm/mrad	Tilting rigidity of bearing position
c _{al}	19,000 N/μm	Axial rigidity of rolling element set
c _{rL}	8,100 N/μm	Radial rigidity of rolling element set
c _{kL}	265,000 Nm/mrad	Tilting rigidity of rolling element set