

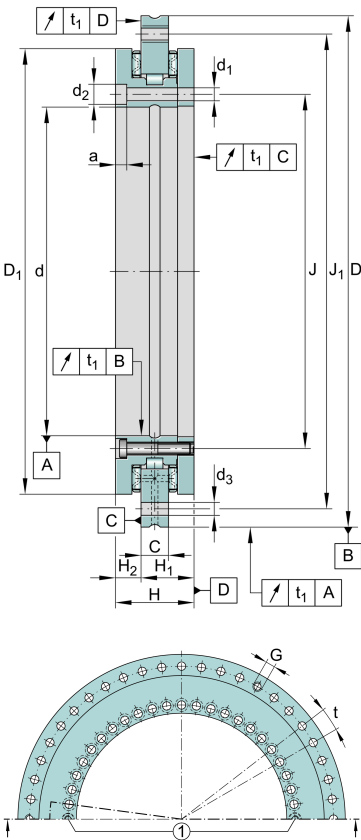


YRT50

Axial/radial roller bearing

Axial/radial bearings YRT, double direction,
for screw mounting

Informacje techniczne



Twoja aktualna wersja produktu

Angular measuring system
integrated No

Main Dimensions & Performance Data

d	50 mm	Bore diameter
	0 mm	Bore diameter upper tolerance
	-0,008 mm	Bore diameter lower tolerance
D	126 mm	Outside diameter
	0 mm	Outside diameter upper tolerance
	-0,011 mm	Outside diameter lower tolerance
H	30 mm	Height
C _r	28.500 N	Basic dynamic load rating, radial
C _{0r}	49.500 N	Basic static load rating, radial
C _a	56.000 N	Basic dynamic load rating, axial
C _{0a}	280.000 N	Basic static load rating, axial
n _G	440 1/min	Limiting speed
M _R	2,5 Nm	Bearing friction torque at 5 1/min
≈m	1,61 kg	Masa



Mounting dimensions

J	63 mm	Pitch circle diameter fixing holes in inner ring
J 1	116 mm	Pitch circle diameter fixing holes in outer ring
d 1	5,6 mm	Fixing holes diameter inner ring
	10	Quantity of fixing holes inner ring
d 3	5,6 mm	Fixing holes diameter outer ring
	12	Quantity of fixing holes outer ring
n	12	Pitch quantity
t	30 °	Pitch separation angle
M A	8,5 Nm	Screw tightening torque
	2	Quantity of retaining screws
t 1	2 µm	Axial and radial runout, measurement standard; Measured on mounted bearing, with ideal adjacent construction.

Dimensions

H 1	20 mm	Height contact face outer ring
	0,025 mm	Height contact face outerring H1 upper tolerance
	-0,025 mm	Height contact face outerring H1 lower tolerance
H 2	10 mm	Height contact face outer ring
	0,02 mm	Height contact face outerring H2 upper tolerance
	-0,02 mm	Height contact face outerring H2 lower tolerance
D 1 max	105 mm	Maximum diameter inner ring
C	10 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}	1.300 N/ μ m	Axial rigidity of bearing position
c_{rL}	1.100 N/ μ m	Radial rigidity of bearing position
c_{kL}	1.250 Nm/mrad	Tilting rigidity of bearing position
c_{aW}	6.200 N/ μ m	Axial rigidity of rolling element set
c_{rW}	1.500 N/ μ m	Radial rigidity of rolling element set
c_{kW}	5.900 Nm/mrad	Tilting rigidity of rolling element set

Właściwości

-  Obciążenie promieniowe
-  Obciążenie osiowe jednokierunkowe
-  Obciążenie osiowe dwukierunkowe
-  Momenty względem wszystkich osi
-  Smarowanie smarem
-  Bez uszczelnienia