

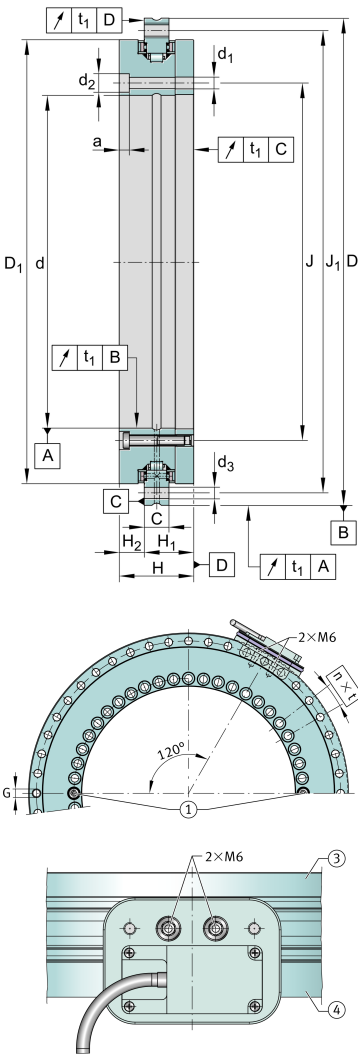


YRTSMA200

Axial/radial roller bearing

Axial/radial bearings, double direction, screw mounting, for higher speeds, with integrated absolute angular measuring system

Informacje techniczne



Twoja aktualna wersja produktu

Angular measuring system integrated	MA	With an absolute angular measuring system
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Main Dimensions & Performance Data

d	200 mm	Bore diameter
	0 mm	Bore diameter upper tolerance
	-0,015 mm	Bore diameter lower tolerance
D	300 mm	Outside diameter
	0 mm	Outside diameter upper tolerance
	-0,018 mm	Outside diameter lower tolerance
H	51 mm	Height
C _r	94.000 N	Basic dynamic load rating, radial
C _{0r}	226.000 N	Basic static load rating, radial
C _a	155.000 N	Basic dynamic load rating, axial
C _{0a}	840.000 N	Basic static load rating, axial
n _G	1.160 1/min	Limiting speed
≈m	10,006 kg	Masa



Mounting dimensions

J	215 mm	Pitch circle diameter fixing holes in inner ring
J 1	285 mm	Pitch circle diameter fixing holes in outer ring
d 1	7 mm	Fixing holes diameter inner ring
d 2	11 mm	Counterbore diameter of fixing holes
a	6,2 mm	Counterbore depth of fixing holes
	46	Quantity of fixing holes inner ring
d 3	7 mm	Fixing holes diameter outer ring
	45	Quantity of fixing holes outer ring
n	48	Pitch quantity
t	7,5 °	Pitch separation angle
G	M8	Threaded extraction hole
	3	Quantity of threaded extraction hole
M A	14 Nm	Screw tightening torque
	2	Quantity of retaining screws
t 1	4 µm	Axial and radial runout, measurement standard; Measured on mounted bearing, with ideal adjacent construction.

Dimensions

H 1	30 mm	Height contact face outer ring
	0,04 mm	Height contact face outerring H1 upper tolerance
	-0,06 mm	Height contact face outerring H1 lower tolerance
H 2	21 mm	Height contact face outer ring
D 1 max	274,4 mm	Maximum diameter inner ring
C	15 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}	7.200 N/μm	Axial rigidity of bearing position
c _{rL}	4.800 N/μm	Radial rigidity of bearing position
c _{kL}	52.200 Nm/mrad	Tilting rigidity of bearing position
c _{aW}	13.600 N/μm	Axial rigidity of rolling element set
c _{rW}	3.900 N/μm	Radial rigidity of rolling element set
c _{kW}	101.000 Nm/mrad	Tilting rigidity of rolling element set
M _m	435 kg*cm2	Mass moment of inertia for rotating outer ring
M _m	667 kg*cm2	Mass moment of inertia for rotating inner ring

Właściwości

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