



YRTCM325-XL

Axial/radial roller bearing

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

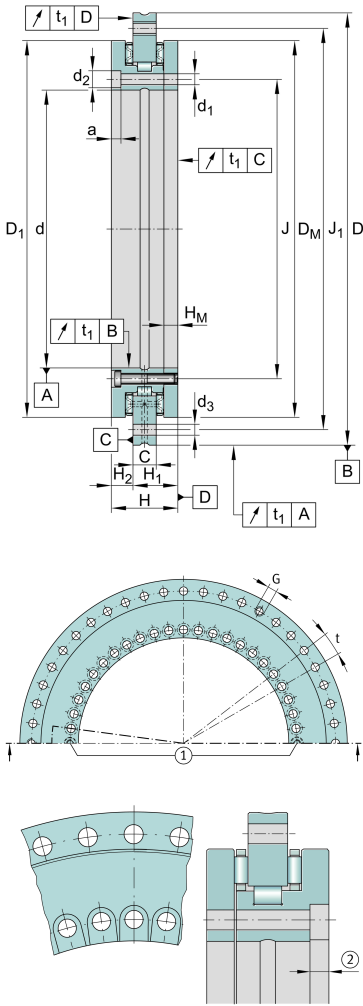
Informacje techniczne

Twoja aktualna wersja produktu

Angular measuring system integrated	M	With incremental angular measuring system
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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	183.000 N	Basic dynamic load rating, radial
C _{0r}	530.000 N	Basic static load rating, radial
C _a	247.000 N	Basic dynamic load rating, axial
C _{0a}	1.900.000 N	Basic static load rating, axial
n _G	200 1/min	Limiting speed
M _R	13 Nm	Bearing friction torque at 5 1/min
≈m	24,457 kg	Masa





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.

Dimensions

H 1	40 mm	Height contact face outer ring
	0,05 mm	Height contact face outerring H1 upper tolerance
	-0,05 mm	Height contact face outerring H1 lower tolerance
H 2	20 mm	Height contact face outer ring
	0,025 mm	Height contact face outerring H2 upper tolerance
	-0,025 mm	Height contact face outerring H2 lower tolerance
H M	15 mm	Height shaft washer
D 1 max	415,1 mm	Maximum diameter inner ring
D M	412,45 mm	Diameter of dimensional scale on shaft locating washer
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}	14.200 N/μm	Axial rigidity of bearing position
c _{rL}	8.800 N/μm	Radial rigidity of bearing position
c _{kL}	254.000 Nm/mrad	Tilting rigidity of bearing position
c _{aW}	33.000 N/μm	Axial rigidity of rolling element set
c _{rW}	9.900 N/μm	Radial rigidity of rolling element set
c _{kW}	633.000 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
-  Łożysko gabarytowe