



YRTC1030-XL

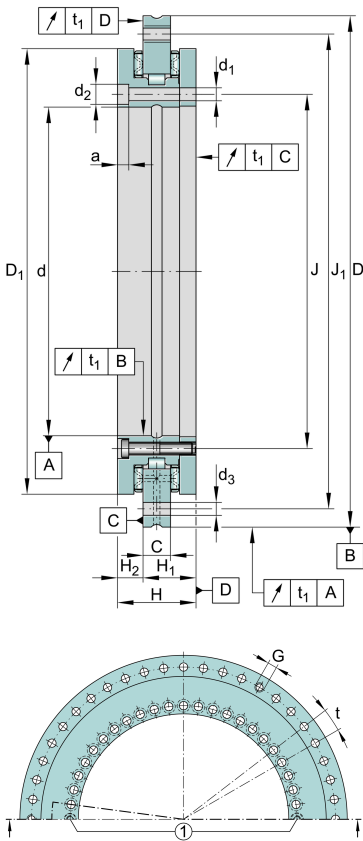
Axial/radial roller bearing

Axial/radial bearings, double direction, for screw mounting



X-life

Informacje techniczne



Twoja aktualna wersja produktu

Angular measuring system integrated No

Main Dimensions & Performance Data

d	1.030 mm	Bore diameter
	0 mm	Bore diameter upper tolerance
	-0,063 mm	Bore diameter lower tolerance
D	1.300 mm	Outside diameter
	0 mm	Outside diameter upper tolerance
	-0,08 mm	Outside diameter lower tolerance
H	145 mm	Height
C _r	580.000 N	Basic dynamic load rating, radial
C _{0r}	2.050.000 N	Basic static load rating, radial
C _a	1.140.000 N	Basic dynamic load rating, axial
C _{0a}	10.300.000 N	Basic static load rating, axial
n _G	40 1/min	Limiting speed
M _R	250 Nm	Bearing friction torque at 5 1/min
≈m	373 kg	Masa



Mounting dimensions

J	1.075 mm	Pitch circle diameter fixing holes in inner ring
J 1	1.255 mm	Pitch circle diameter fixing holes in outer ring
d 1	18 mm	Fixing holes diameter inner ring
d 2	26 mm	Counterbore diameter of fixing holes
a	17 mm	Counterbore depth of fixing holes
	70	Quantity of fixing holes inner ring
d 3	18 mm	Fixing holes diameter outer ring
	66	Quantity of fixing holes outer ring
n	72	Pitch quantity
t	5 °	Pitch separation angle
G	M16	Threaded extraction hole
	6	Quantity of threaded extraction hole
M A	284 Nm	Screw tightening torque
	2	Quantity of retaining screws
t 1	12 µm	Axial and radial runout, measurement standard; Measured on mounted bearing, with ideal adjacent construction.

Dimensions

H 1	92,5 mm	Height contact face outer ring
	0,3 mm	Height contact face outerring H1 upper tolerance
	-0,3 mm	Height contact face outerring H1 lower tolerance
H 2	52,5 mm	Height contact face outer ring
	0,3 mm	Height contact face outerring H2 upper tolerance
	-0,3 mm	Height contact face outerring H2 lower tolerance
D 1 max	1.215 mm	Maximum diameter inner ring
C	40 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}	72.800 N/μm	Axial rigidity of bearing position
c _{rL}	21.300 N/μm	Radial rigidity of bearing position
c _{kL}	8.640.000 Nm/mrad	Tilting rigidity of bearing position
c _{aW}	74.900 N/μm	Axial rigidity of rolling element set
c _{rW}	14.200 N/μm	Radial rigidity of rolling element set
c _{kW}	11.165.000 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