



YRTC580-XL

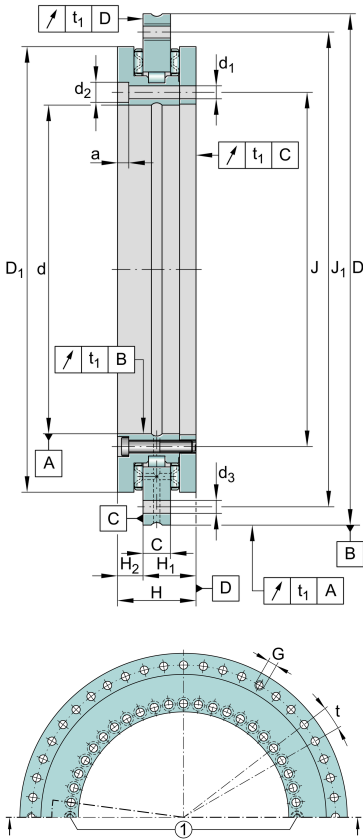
Axial/radial roller bearing

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	580 mm	Bore diameter
	0 mm	Bore diameter upper tolerance
	-0,025 mm	Bore diameter lower tolerance
D	750 mm	Outside diameter
	0 mm	Outside diameter upper tolerance
	-0,035 mm	Outside diameter lower tolerance
H	90 mm	Height
C _r	255.000 N	Basic dynamic load rating, radial
C _{0r}	820.000 N	Basic static load rating, radial
C _a	580.000 N	Basic dynamic load rating, axial
C _{0a}	4.450.000 N	Basic static load rating, axial
n _G	80 1/min	Limiting speed
M _R	60 Nm	Bearing friction torque at 5 1/min
≈m	85,2 kg	Masa



Mounting dimensions

J	610 mm	Pitch circle diameter fixing holes in inner ring
J 1	720 mm	Pitch circle diameter fixing holes in outer ring
d 1	11,4 mm	Fixing holes diameter inner ring
d 2	18 mm	Counterbore diameter of fixing holes
a	11 mm	Counterbore depth of fixing holes
	46	Quantity of fixing holes inner ring
d 3	11,4 mm	Fixing holes diameter outer ring
	42	Quantity of fixing holes outer ring
n	48	Pitch quantity
t	7,5 °	Pitch separation angle
G	M12	Threaded extraction hole
	6	Quantity of threaded extraction hole
M A	68 Nm	Screw tightening torque
	2	Quantity of retaining screws
t 1	10 µm	Axial and radial runout, measurement standard; Measured on mounted bearing, with ideal adjacent construction.

Dimensions

H 1	60 mm	Height contact face outer ring
	0,25 mm	Height contact face outerring H1 upper tolerance
	-0,25 mm	Height contact face outerring H1 lower tolerance
H 2	30 mm	Height contact face outer ring
	0,25 mm	Height contact face outerring H2 upper tolerance
	-0,25 mm	Height contact face outerring H2 lower tolerance
D 1 max	700 mm	Maximum diameter inner ring
C	30 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}	23.800 N/μm	Axial rigidity of bearing position
c _{rL}	11.600 N/μm	Radial rigidity of bearing position
c _{kL}	1.176.000 Nm/mrad	Tilting rigidity of bearing position
c _{aW}	41.800 N/μm	Axial rigidity of rolling element set
c _{rW}	12.500 N/μm	Radial rigidity of rolling element set
c _{kW}	1.960.000 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