

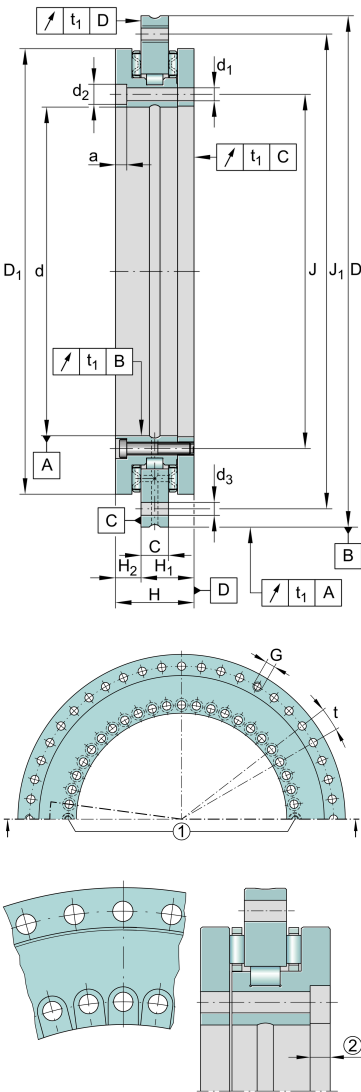


YRT80-TV

Axial/radial roller bearing

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

Informacje techniczne



Twoja aktualna wersja produktu

Cage	TV	Plastic Cage made from PA66
Angular measuring system integrated	No	

Main Dimensions & Performance Data

d	80 mm	Bore diameter
	0 mm	Bore diameter upper tolerance
	-0,009 mm	Bore diameter lower tolerance
D	146 mm	Outside diameter
	0 mm	Outside diameter upper tolerance
	-0,011 mm	Outside diameter lower tolerance
H	35 mm	Height
C _r	44.000 N	Basic dynamic load rating, radial
C _{0r}	98.000 N	Basic static load rating, radial
C _a	38.000 N	Basic dynamic load rating, axial
C _{0a}	158.000 N	Basic static load rating, axial
n _G	350 1/min	Limiting speed
M _R	3 Nm	Bearing friction torque at 5 1/min
≈m	2,179 kg	Masa



Mounting dimensions

J	92 mm	Pitch circle diameter fixing holes in inner ring
J 1	138 mm	Pitch circle diameter fixing holes in outer ring
d 1	5,6 mm	Fixing holes diameter inner ring
d 2	10 mm	Counterbore diameter of fixing holes
a	4 mm	Counterbore depth of fixing holes
	10	Quantity of fixing holes inner ring
d 3	4,6 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	3 µm	Axial and radial runout, measurement standard; Measured on mounted bearing, with ideal adjacent construction.

Dimensions

H 1	23,35 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	11,65 mm	Height contact face outer ring
	0,2 mm	Height contact face outerring H2 upper tolerance
	-0,2 mm	Height contact face outerring H2 lower tolerance
D 1 max	130 mm	Maximum diameter inner ring
C	12 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}	1.600 N/μm	Axial rigidity of bearing position
c_{rL}	1.800 N/μm	Radial rigidity of bearing position
c_{kL}	2.500 Nm/mrad	Tilting rigidity of bearing position
c_{aW}	4.000 N/μm	Axial rigidity of rolling element set
c_{rW}	2.600 N/μm	Radial rigidity of rolling element set
c_{kW}	6.300 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