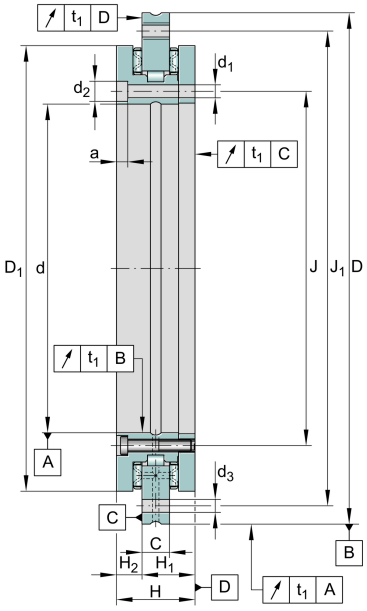
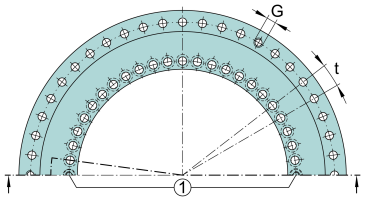
YRT80-TV

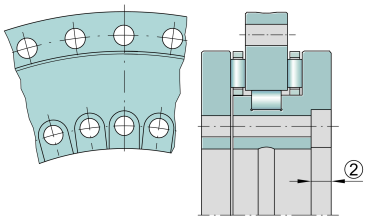
Axial/radial roller bearing

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