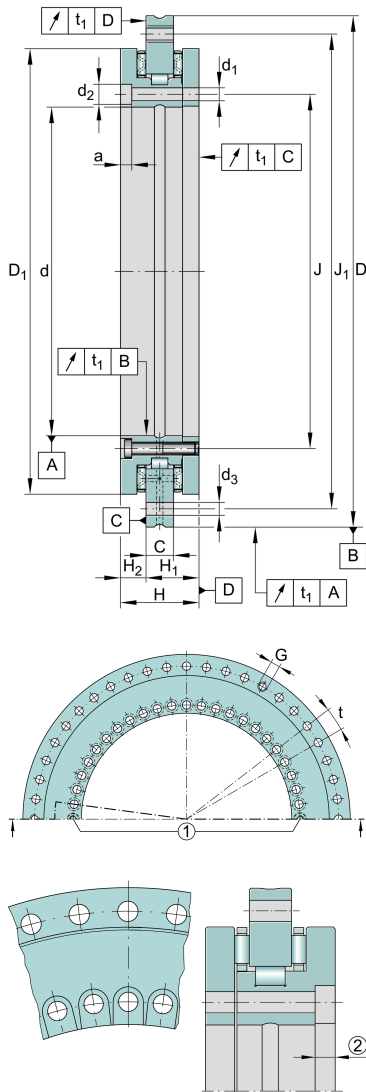


**YRT80-TV**

Axial/radial roller bearing

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

Technical information



Your current product variant

Cage	TV	Plastic Cage made from PA66
Angular measuring system integrated	No	without measuring system

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
$\approx m$	2,179 kg	Weight



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/ μ m	Axial rigidity of bearing position
c_{rL}	1.800 N/ μ m	Radial rigidity of bearing position
c_{kL}	2.500 Nm/mrad	Tilting rigidity of bearing position
c_{aW}	4.000 N/ μ m	Axial rigidity of rolling element set
c_{rW}	2.600 N/ μ m	Radial rigidity of rolling element set
c_{kW}	6.300 Nm/mrad	Tilting rigidity of rolling element set

Characteristics

-  Radial load
-  Axial load in one direction
-  Axial load in two directions
-  Moments about all axes
-  Grease Lubrication
-  Not sealed