

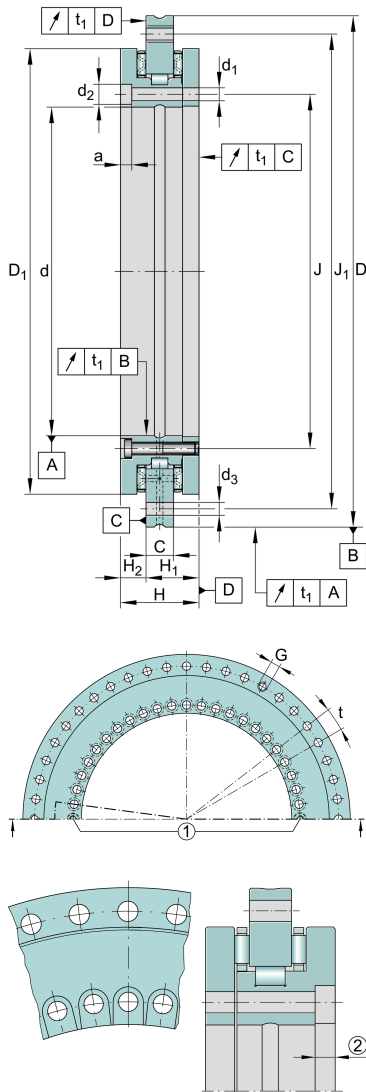


YRT80-TV [↗](#)

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
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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	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