

**YRTC950-XL**

## Axial/radial roller bearing

Axial/radial bearings, double direction, for screw mounting



X-life

## Technical information



## Your current product variant

Angular measuring system integrated	No	without measuring system
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## Main Dimensions &amp; Performance Data

d	950 mm	Bore diameter
	0 mm	Bore diameter upper tolerance
	-0,05 mm	Bore diameter lower tolerance
D	1.200 mm	Outside diameter
	0 mm	Outside diameter upper tolerance
	-0,063 mm	Outside diameter lower tolerance
H	132 mm	Height
$C_r$	550.000 N	Basic dynamic load rating, radial
$C_{0r}$	1.890.000 N	Basic static load rating, radial
$C_a$	1.080.000 N	Basic dynamic load rating, axial
$C_{0a}$	9.500.000 N	Basic static load rating, axial
$n_G$	45 1/min	Limiting speed
$M_R$	170 Nm	Bearing friction torque at 5 1/min
$\approx m$	297,64 kg	Weight



### Mounting dimensions

J	990 mm	Pitch circle diameter fixing holes in inner ring
J <sub>1</sub>	1.160 mm	Pitch circle diameter fixing holes in outer ring
d <sub>1</sub>	18 mm	Fixing holes diameter inner ring
d <sub>2</sub>	26 mm	Counterbore diameter of fixing holes
a	17 mm	Counterbore depth of fixing holes
	58	Quantity of fixing holes inner ring
d <sub>3</sub>	18 mm	Fixing holes diameter outer ring
	54	Quantity of fixing holes outer ring
n	60	Pitch quantity
t	6 °	Pitch separation angle
G	M16	Threaded extraction hole
	6	Quantity of threaded extraction hole
M <sub>A</sub>	284 Nm	Screw tightening torque
	2	Quantity of retaining screws
t <sub>1</sub>	12 µm	Axial and radial runout, measurement standard; Measured on mounted bearing, with ideal adjacent construction.

### Dimensions

H <sub>1</sub>	86 mm	Height contact face outer ring
	0,3 mm	Height contact face outerring H1 upper tolerance
	-0,3 mm	Height contact face outerring H1 lower tolerance
H <sub>2</sub>	46 mm	Height contact face outer ring
	0,3 mm	Height contact face outerring H2 upper tolerance
	-0,3 mm	Height contact face outerring H2 lower tolerance
D <sub>1 max</sub>	1.130 mm	Maximum diameter inner ring
C	40 mm	Width of outer ring










### Temperature range

$T_{\min}$	-30 °C	Operating temperature min.
$T_{\max}$	120 °C	Operating temperature max.

### Additional information

$c_{aL}$	61.400 N/ $\mu$ m	Axial rigidity of bearing position
$c_{rL}$	19.000 N/ $\mu$ m	Radial rigidity of bearing position
$c_{kL}$	4.893.000 Nm/mrad	Tilting rigidity of bearing position
$c_{aW}$	72.700 N/ $\mu$ m	Axial rigidity of rolling element set
$c_{rW}$	17.900 N/ $\mu$ m	Radial rigidity of rolling element set
$c_{kW}$	11.494.000 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
	Large bearing