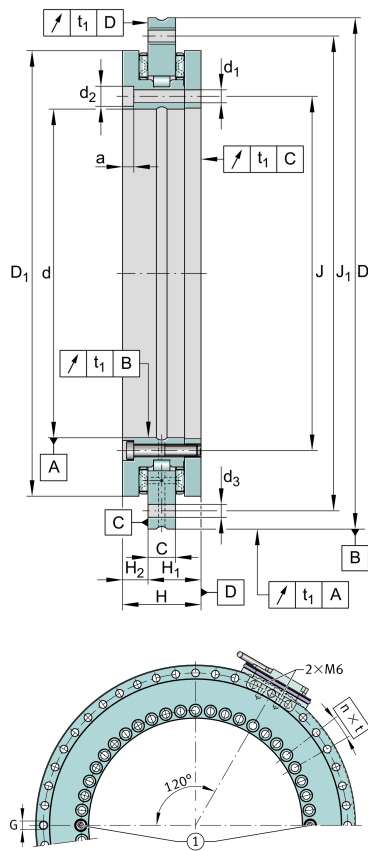


**YRTCMA150-XL**

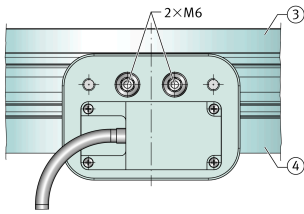
## Axial/radial roller bearing

Axial/radial bearings, double direction, screw mounting, with integrated absolute angular measuring system

## Technical information

**Main Dimensions & Performance Data**

d	150 mm	Bore diameter
	0 mm	Bore diameter upper tolerance
	-0,013 mm	Bore diameter lower tolerance
D	240 mm	Outside diameter
	0 mm	Outside diameter upper tolerance
	-0,015 mm	Outside diameter lower tolerance
H	47 mm	Height
$C_r$	74.000 N	Basic dynamic load rating, radial
$C_{0r}$	146.000 N	Basic static load rating, radial
$C_a$	128.000 N	Basic dynamic load rating, axial
$C_{0a}$	650.000 N	Basic static load rating, axial
$n_G$	800 1/min	Limiting speed
$M_R$	4 Nm	Bearing friction torque at 5 1/min
$\approx m$	6,302 kg	Weight



### Mounting dimensions

J	165 mm	Pitch circle diameter fixing holes in inner ring
J <sub>1</sub>	225 mm	Pitch circle diameter fixing holes in outer ring
d <sub>1</sub>	7 mm	Fixing holes diameter inner ring
d <sub>2</sub>	11 mm	Counterbore diameter of fixing holes
a	6,2 mm	Counterbore depth of fixing holes
	34	Quantity of fixing holes inner ring
d <sub>3</sub>	7 mm	Fixing holes diameter outer ring
	33	Quantity of fixing holes outer ring
n	36	Pitch quantity
t	10 °	Pitch separation angle
G	M8	Threaded extraction hole
	3	Quantity of threaded extraction hole
M <sub>A</sub>	14 Nm	Screw tightening torque
	2	Quantity of retaining screws
t <sub>1</sub>	3 μm	Axial and radial runout, measurement standard; Measured on mounted bearing, with ideal adjacent construction.

### Dimensions

H <sub>1</sub>	26 mm	Height contact face outer ring
	0,03 mm	Height contact face outerring H1 upper tolerance
	-0,03 mm	Height contact face outerring H1 lower tolerance
H <sub>2</sub>	21 mm	Height contact face outer ring
	0,02 mm	Height contact face outerring H2 upper tolerance
	-0,02 mm	Height contact face outerring H2 lower tolerance
D <sub>1 max</sub>	214,5 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

$c_{aL}$	7.600 N/ $\mu$ m	Axial rigidity of bearing position
$c_{rL}$	4.480 N/ $\mu$ m	Radial rigidity of bearing position
$c_{kL}$	30.300 Nm/mrad	Tilting rigidity of bearing position
$c_{aW}$	12.000 N/ $\mu$ m	Axial rigidity of rolling element set
$c_{rW}$	4.800 N/ $\mu$ m	Radial rigidity of rolling element set
$c_{kW}$	61.000 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