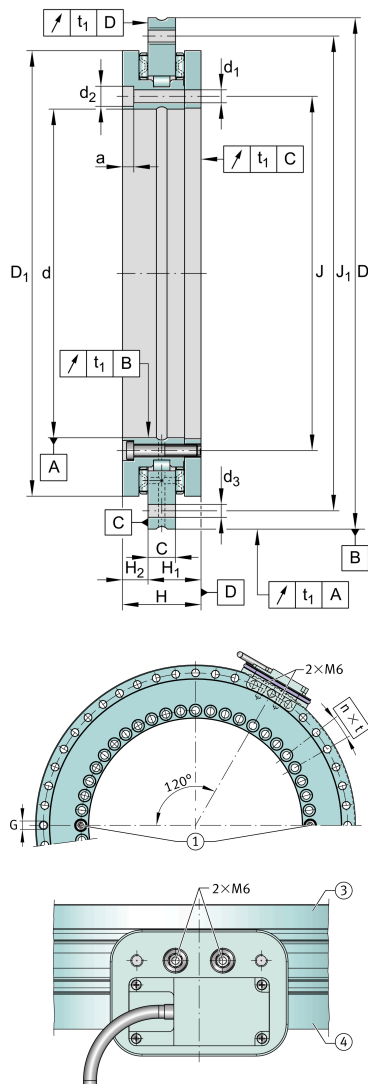


**YRTCMA395-XL**

## Axial/radial roller bearing

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

## Technical information



## Your current product variant

Angular measuring system integrated	MA	with absolute angular measuring system
-------------------------------------	----	--

## Main Dimensions &amp; Performance Data

d	395 mm	Bore diameter
	0 mm	Bore diameter upper tolerance
	-0,023 mm	Bore diameter lower tolerance
D	525 mm	Outside diameter
	0 mm	Outside diameter upper tolerance
	-0,028 mm	Outside diameter lower tolerance
H	65 mm	Height
C <sub>r</sub>	200.000 N	Basic dynamic load rating, radial
C <sub>0r</sub>	640.000 N	Basic static load rating, radial
C <sub>a</sub>	265.000 N	Basic dynamic load rating, axial
C <sub>0a</sub>	2.190.000 N	Basic static load rating, axial
n <sub>G</sub>	200 1/min	Limiting speed
M <sub>R</sub>	19 Nm	Bearing friction torque at 5 1/min
≈m	32,2 kg	Weight



### Mounting dimensions

J	415 mm	Pitch circle diameter fixing holes in inner ring
J <sub>1</sub>	505 mm	Pitch circle diameter fixing holes in outer ring
d <sub>1</sub>	9,3 mm	Fixing holes diameter inner ring
d <sub>2</sub>	15 mm	Counterbore diameter of fixing holes
a	8,2 mm	Counterbore depth of fixing holes
	46	Quantity of fixing holes inner ring
d <sub>3</sub>	9,3 mm	Fixing holes diameter outer ring
	45	Quantity of fixing holes outer ring
n	48	Pitch quantity
t	7,5 °	Pitch separation angle
G	M12	Threaded extraction hole
	3	Quantity of threaded extraction hole
M <sub>A</sub>	34 Nm	Screw tightening torque
	2	Quantity of retaining screws
t <sub>1</sub>	6 μm	Axial and radial runout, measurement standard; Measured on mounted bearing, with ideal adjacent construction.

### Dimensions

H <sub>1</sub>	42,5 mm	Height contact face outer ring
	0,05 mm	Height contact face outerring H1 upper tolerance
	-0,05 mm	Height contact face outerring H1 lower tolerance
H <sub>2</sub>	22,5 mm	Height contact face outer ring
	0,025 mm	Height contact face outerring H2 upper tolerance
	-0,025 mm	Height contact face outerring H2 lower tolerance
D <sub>1 max</sub>	487,7 mm	Maximum diameter inner ring
C	20 mm	Width of outer ring










### Temperature range

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

### Additional information

$c_{aL}$	19.800 N/ $\mu$ m	Axial rigidity of bearing position
$c_{rL}$	8.100 N/ $\mu$ m	Radial rigidity of bearing position
$c_{kL}$	448.000 Nm/mrad	Tilting rigidity of bearing position
$c_{aW}$	37.000 N/ $\mu$ m	Axial rigidity of rolling element set
$c_{rW}$	13.000 N/ $\mu$ m	Radial rigidity of rolling element set
$c_{kW}$	1.002.000 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