

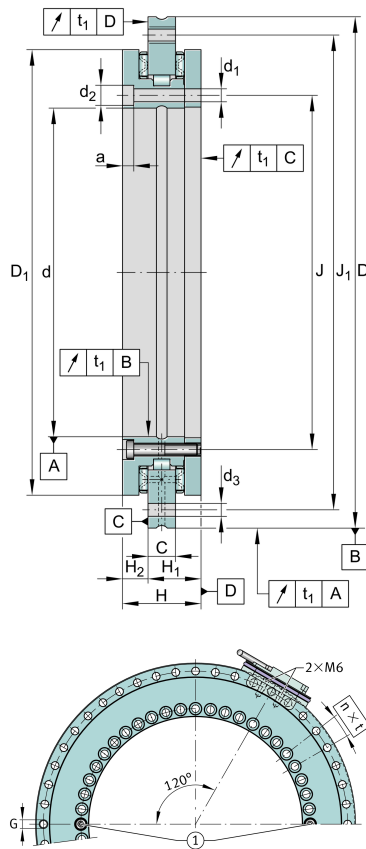
**YRTCMI325-XL**

Axial/radial roller bearing



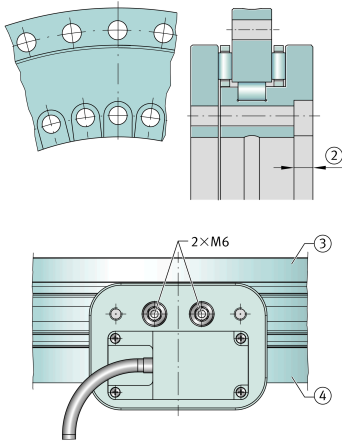
Axial / radial roller bearing. Double direction, screw mounting, with integrated incremental angle measuring ring

Technical information



Main Dimensions & Performance Data

d	325 mm	Bore diameter
	0 mm	Bore diameter upper tolerance
	-0,023 mm	Bore diameter lower tolerance
D	450 mm	Outside diameter
	0 mm	Outside diameter upper tolerance
	-0,023 mm	Outside diameter lower tolerance
H	61 mm	Height
C_r	183.000 N	Basic dynamic load rating, radial
C_{0r}	530.000 N	Basic static load rating, radial
C_a	247.000 N	Basic dynamic load rating, axial
C_{0a}	1.900.000 N	Basic static load rating, axial
n_G	200 1/min	Limiting speed
M_R	13 Nm	Bearing friction torque at 5 1/min
$\approx m$	25,2 kg	Weight



Mounting dimensions

J	342 mm	Pitch circle diameter fixing holes in inner ring
J ₁	430 mm	Pitch circle diameter fixing holes in outer ring
d ₁	9,3 mm	Fixing holes diameter inner ring
d ₂	15 mm	Counterbore diameter of fixing holes
a	8,2 mm	Counterbore depth of fixing holes
	34	Quantity of fixing holes inner ring
d ₃	9,3 mm	Fixing holes diameter outer ring
	33	Quantity of fixing holes outer ring
n	36	Pitch quantity
t	10 °	Pitch separation angle
G	M12	Threaded extraction hole
	3	Quantity of threaded extraction hole
M _A	34 Nm	Screw tightening torque
	2	Quantity of retaining screws
t ₁	6 μm	Axial and radial runout, measurement standard; Measured on mounted bearing, with ideal adjacent construction.

Dimensions

H ₁	40 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 ₂	21 mm	Height contact face outer ring
	0,03 mm	Height contact face outerring H2 upper tolerance
	-0,03 mm	Height contact face outerring H2 lower tolerance
D _{1 max}	415,1 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}	14.200 N/ μ m	Axial rigidity of bearing position
c_{rL}	8.800 N/ μ m	Radial rigidity of bearing position
c_{kL}	254.000 Nm/mrad	Tilting rigidity of bearing position
c_{aW}	33.000 N/ μ m	Axial rigidity of rolling element set
c_{rW}	9.900 N/ μ m	Radial rigidity of rolling element set
c_{kW}	633.000 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