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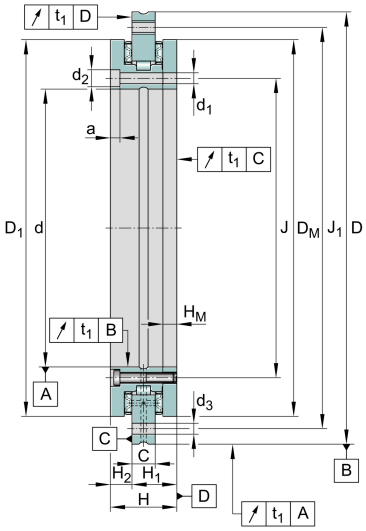
SCHAEFFLER

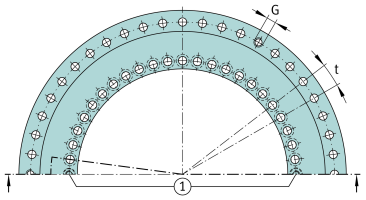
YRTCM395-XL

Axial/radial roller bearing

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

Technical information





Your current product variant

Angular measuring system integrated	M	with angular measuring system

Main Dimensions & 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_r	200.000 N	Basic dynamic load rating, radial
C_{0r}	640.000 N	Basic static load rating, radial
C_a	265.000 N	Basic dynamic load rating, axial
C_{0a}	2.190.000 N	Basic static load rating, axial
n_G	200 1/min	Limiting speed
M_R	19 Nm	Bearing friction torque at 5 1/min
≈m	32,055 kg	Weight

Mounting dimensions

J	415 mm	Pitch circle diameter fixing holes in inner ring
J_1	505 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
	46	Quantity of fixing holes inner ring
d_3	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_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	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_2	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
H_M	17,5 mm	Height shaft washer
$D_{1\ max}$	487,7 mm	Maximum diameter inner ring
D_M	485,02 mm	Diameter of dimensional scale on shaft locating washer
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/µm	Axial rigidity of bearing position
c_{rL}	8.100 N/µm	Radial rigidity of bearing position
c_{kL}	448.000 Nm/mrad	Tilting rigidity of bearing position
c_{aW}	37.000 N/µm	Axial rigidity of rolling element set
c_{rW}	13.000 N/µm	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