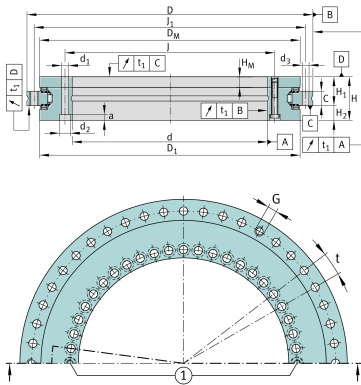


**YRTSM260** [↗](#)

Axial/radial roller bearing

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

Technical information



Your current product variant

Angular measuring system integrated	M	with angular measuring system
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Main Dimensions & Performance Data

d	260 mm	Bore diameter
	0 mm	Bore diameter upper tolerance
	-0,018 mm	Bore diameter lower tolerance
D	385 mm	Outside diameter
	0 mm	Outside diameter upper tolerance
	-0,02 mm	Outside diameter lower tolerance
H	55 mm	Height
C _r	110.000 N	Basic dynamic load rating, radial
C _{0r}	305.000 N	Basic static load rating, radial
C _a	173.000 N	Basic dynamic load rating, axial
C _{0a}	1.050.000 N	Basic static load rating, axial
n _G	910 1/min	Limiting speed
≈m	17,514 kg	Weight



Mounting dimensions

J	280 mm	Pitch circle diameter fixing holes in inner ring
J ₁	365 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	36,5 mm	Height contact face outer ring
	0,05 mm	Height contact face outerring H1 upper tolerance
	-0,07 mm	Height contact face outerring H1 lower tolerance
H ₂	18,5 mm	Height contact face outer ring
H _M	13,5 mm	Height shaft washer
D _{1 max}	347 mm	Maximum diameter inner ring
D _M	343,69 mm	Diameter of dimensional scale on shaft locating washer
C	18 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}	9.700 N/ μm	Axial rigidity of bearing position
c_{rL}	6.400 N/ μm	Radial rigidity of bearing position
c_{kL}	120.600 Nm/mrad	Tilting rigidity of bearing position
c_{aW}	16.800 N/ μm	Axial rigidity of rolling element set
c_{rW}	5.800 N/ μm	Radial rigidity of rolling element set
c_{kW}	201.000 Nm/mrad	Tilting rigidity of rolling element set
M_m	1.422 kg*cm ²	Mass moment of inertia for rotating outer ring
M_m	2.074 kg*cm ²	Mass moment of inertia for rotating inner ring

Characteristics

	Radial load
	Axial load in one direction
	Axial load in two directions
	Moments about all axes
	Grease Lubrication
	Not sealed
	Large bearing