

HIGH-SPEED TURNTABLE BEARING

YRTS TURNTABLE BEARINGS

High-Speed Axial-Radial Bearings for Precision Rotary Tables and Direct Drive Systems

YRTS turntable bearings are high-speed precision axial-radial bearings designed for combined axial, radial and tilting moment loads. Compared with standard YRT bearings, the YRTS series is optimized for applications requiring higher rotational speed, reliable rigidity and accurate positioning.



YRTS turntable bearings for high-speed rotary table applications

- ✓ **YRTS High-Speed Series**
- ✓ **Optimized for Higher Rotational Speed**
- ✓ **Low and Uniform Friction Performance**
- ✓ **High Axial and Radial Rigidity**
- ✓ **Suitable for Direct Drive Rotary Tables**

Product Highlights

SPEED

High-Speed Capability

Special internal structure provides higher limiting speed than standard YRT series bearings.

FRICTION

Low Friction Torque

Lower and more uniform friction performance across the whole speed range.

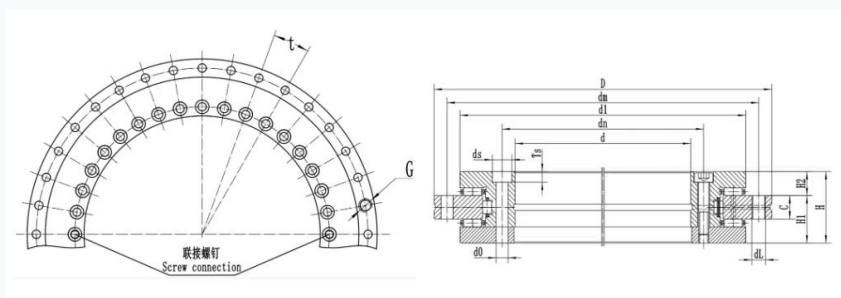
APPLICATIONS

CNC Rotary Tables

Suitable for direct drive shafts, CNC rotary tables, indexing tables and precision equipment.

YRTS High-Speed Series Turntable Bearings

YRTS high-speed series bearings have the same external structure and dimensions as YRT standard series, while their special internal design provides higher limiting speed and lower friction torque.



YRTS high-speed axial-radial bearing structure and mounting dimensions

BOUNDARY DIMENSIONS & LOAD RATINGS

Model Number	Boundary Dimensions								Basic Load Rating				Weight kg
	unit: mm								Axial		Radial		
	d	D	T	H	C	d1	dn	dm	Ca	Coa	Cr	Cor	
YRTS200	200	300	45	30	15	274	215	285	155	840	94	226	9,7
YRTS260	260	385	55	36,5	18	345	280	365	173	1050	110	305	18,3
YRTS325	325	450	60	40	20	415	342	430	191	1260	109	320	25
YRTS395	395	525	65	42,5	20	486	415	505	214	1540	121	390	33
YRTS460	460	600	70	46	22	560	482	580	221	1690	168	570	45

FIXING HOLES, TORQUE & LIMITING SPEED

Model Number	Fixing Holes							Pitches Qty × t	Tightening Torque Nm	Frictional Torque Nm	Limiting Speed r/min
	Inner Ring Holes				Fixing Holes		Extraction Thread				
	dO	ds	Ts	Qty	dL	Qty	G / Qty				
YRTS200	7	11	6,2	48	7	45	M8 / 3	48×7,5°	14	14	1160
YRTS260	9,3	15	8,2	36	9,3	33	M12 / 3	36×10°	34	20	910
YRTS325	9,3	15	8,2	36	9,3	33	M12 / 3	36×10°	34	40	760
YRTS395	9,3	15	8,2	48	9,3	45	M12 / 3	48×7,5°	34	55	650
YRTS460	9,3	15	8,2	48	9,3	45	M12 / 3	48×7,5°	34	70	560

Note: Dimensions, load ratings, fixing holes, limiting speeds, frictional torque and weights are for reference only. Final technical details, availability, precision grade, preload, lubrication and mounting requirements should be confirmed before ordering.

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