



LUOYANG TEDIN BEARING CO., LTD.

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YRT Rotary Table Bearings

YRT Rotary table bearings are axial and radial combined cylindrical roller bearings, including two thrust needle roller bearings and a radial cylindrical roller bearing with the combination of axial and radial preload. For the convenience of transportation and fixing, two or three symmetrical screws are fastened to the two rings in order to prevent rollers and rings generating collisions which influence bearing accuracy.

This type of bearing has high axial and radial bearing capacity. High tilt stiffness and high accuracy. It is suitable for rotary table, chuck and milling head as well as bearing configuration in measurement and experiment. This type of bearing also has high requirements for matching equipment parts. The tightening torque of the mounting screws shall be controlled during installation.

Bearing installation:

- 1.Put the YRT Bearing into Bearing House;
- 2.YRT Bearing and Bearing House is clearance fit;
- 3.Tighten outer ring mounting screws in Cross way;
- 4.Press the Rotary Table onto the YRT Bearing;
- 5.Another side of the YRT Bearing Connect to Flange;
- 6.Rotary Table and YRT Bearing is shrink fit;
- 7.Aligning Flange. YRT bearing、Rotary Table;
- 8.Tighten Inner ring mounting screws in Cross way;
- 9.Connect the flange and Bearings to Turntable table with Mounting screws;

FAQ

1. Are you a factory or a trading company?

We are a factory, a professional manufacturer of high precision bearings, which has combine researching and developing,producing and marketing together. Taking the advantages of the strong industrial basis of Luoyang city, under the guidance of the pioneer in bearing industry, we grew up rapidly. After years of researching and producing experience, we have developed a integrated system. Now, we have solid technical strength, excellent processing facilities, and also completed quality control system.

2. Do you have a stock for YRT rotary table bearings?

Yes, we have many types of YRT bearings in stock. Some are half-finished as parts in stock. If there is offer request, please contact us for stocklist.

3. How about your package of YRT rotary table bearings?

All small size and middle size crossed roller bearings are Vacuum-packed + solid paper carton + plywood box packing outside.

4. Can you arrange shipment for customers?



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Yes, we can. Depends on different requirements on delivery time, we can choose parcel service (Fedex, UPS, TNT, etc, 5-7 days), by air, or by sea for delivery.

Model Number	boundary dimensions								Basic load rating (KN)				Limiting speed(grease)	Weight Kg
									axial load		radial load			
	d	D	H	H1	C	D1	J	J1	dynamic	static	dynamic	static		
	单位 unit: mm								Ca	Coa	Cr	Cor	r/min	
YRT50	50	126	30	20	10	105	63	116	38	158	28.5	49.5	440	1.6
YRT80	80	146	35	23.35	12	130	92	138	56	255	42.5	100	530	2.4
YRT100	100	185	38	25	12	160	112	170	76.5	415	47.5	120	430	4
YRT120	120	210	40	26	12	184	135	195	102	540	52	143	340	5.3
YRT150	150	240	40	26	12	214	165	225	112	630	56	170	320	6.2
YRT180	180	280	43	29	15	244	194	260	118	710	69.5	200	280	7.7
YRT200	200	300	45	30	15	274	215	285	120	765	81.5	220	260	9.7
YRT260	260	385	55	36.5	18	345	280	365	160	1060	93	290	200	18.3
YRT325	325	450	60	40	20	415	342	430	275	1930	120	345	170	25
YRT395	395	525	65	42.5	20	486	415	505	300	2280	186	655	140	33
YRT460	460	600	70	46	22	560	482	580	355	2800	200	765	120	45
YRT580	580	750	90	60	30	700	610	720	490	4250	228	965	80	89
YRT650	650	870	122	78	34	800	680	830	1040	8000	490	1800	65	170
YRT850	850	1095	124	80.5	37	1018	890	1055	1000	8650	455	1730	50	253
YRT950	950	1200	132	86	40	1130	990	1160	1290	11400	530	2040	40	312
YRT1030	1030	1300	145	92.5	40	1215	1075	1255	1380	12000	620	2650	39	375

Model Number	Fixing holes								Pitches	Tightening torque	Frictional torque	Rotation accuracy
	Holes of inner ring				Holes of inner ring							
	Fixing holes				Fixing holes		Extraction thread hole					
	d1	d2	a	quantity	d3	quantity	G	quantity				
	mm				mm							
	xt	quantity x t	Nm	Nm	pm							
YRT50	5.6	—	—	12	5.6	12	—	—	12x30°	8.5	2.5	2
YRT80	5.6	10	4	12	4.6	12	—	—	12x30°	8.5	3	3
YRT100	5.6	10	5.4	18	5.6	15	M5	3	18 x 20°	8.5	3	3
YRT120	7	11	6.2	24	7	21	M8	3	24 x 15°	14	7	3
YRT150	7	11	6.2	36	7	33	M8	3	36x10°	14	10	3
YRT180	7	11	6.2	48	7	45	M8	3	48x7.5°	14	12	4
YRT200	7	11	6.2	48	7	45	M8	3	48x7.5°	14	14	4
YRT260	9.3	15	8.2	36	9.3	33	M12	3	36x10°	34	20	6
YRT325	9.3	15	8.2	36	9.3	33	M12	3	36x10°	34	40	6
YRT395	9.3	15	8.2	48	9.3	45	M12	3	48x7.5°	34	55	6
YRT460	9.3	15	8.2	48	9.3	45	M12	3	48x7.5°	34	70	6
YRT580	11.4	18	11	48	11.4	42	M12	6	48x7.5°	68	140	10
YRT650	14	20	13	48	14	42	M12	6	48x7.5°	116	200	10
YRT850	18	26	17	60	18	54	M16	6	60x6°	284	300	12
YRT950	18	26	17	60	18	54	M16	6	60x6°	284	600	12
YRT1030	18	26	17	72	18	66	M16	6	72x5°	284	800	12

For more information, please contact [Tedin's](#) technical center.