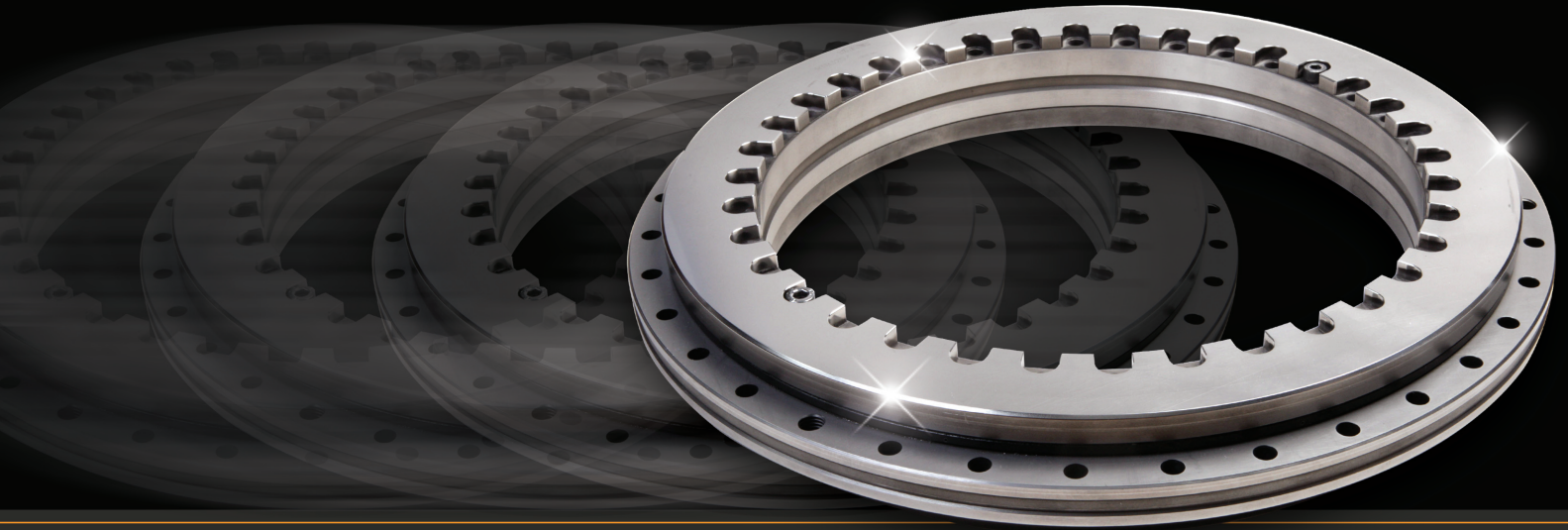


TIMKEN

Where You Turn



 **PRECISION**
Cylindrical Roller Bearings | Rotary Tables

Managing Multi-Directional Loads For Precision Rotary Tables

At Timken, we incorporate our engineering expertise into every product to enhance performance and productivity. Our precision cylindrical roller bearings for rotary tables are no exception. When rotational accuracy, consistency and rigidity in rotary tables are critical, Timken® precision cylindrical roller bearings become the obvious solution.

Timken® precision cylindrical roller bearings feature an integrated design that includes an L-shaped inner ring, shaft washer, outer ring, two thrust roller cage assemblies and a radial full complement row. The result? An easy-to-install unit that can manage loads from multiple directions.



Consider all that Timken® precision cylindrical roller bearings offer for rotary tables:

- Superior running accuracy, lower operating temperature and reduced noise through P4 precision class.
- Easy bearing selection due to direct competitor interchange.
- Greater load-carrying capacity and better bearing stiffness control, thanks to closely controlled preload.
- Oil lubrication is standard, with grease lubrication available.
- Potential for increased axial stiffness with an optional thrust washer.
- Bore sizes ranging from 80mm (3.149 in.) to 460mm (18.110 in.).

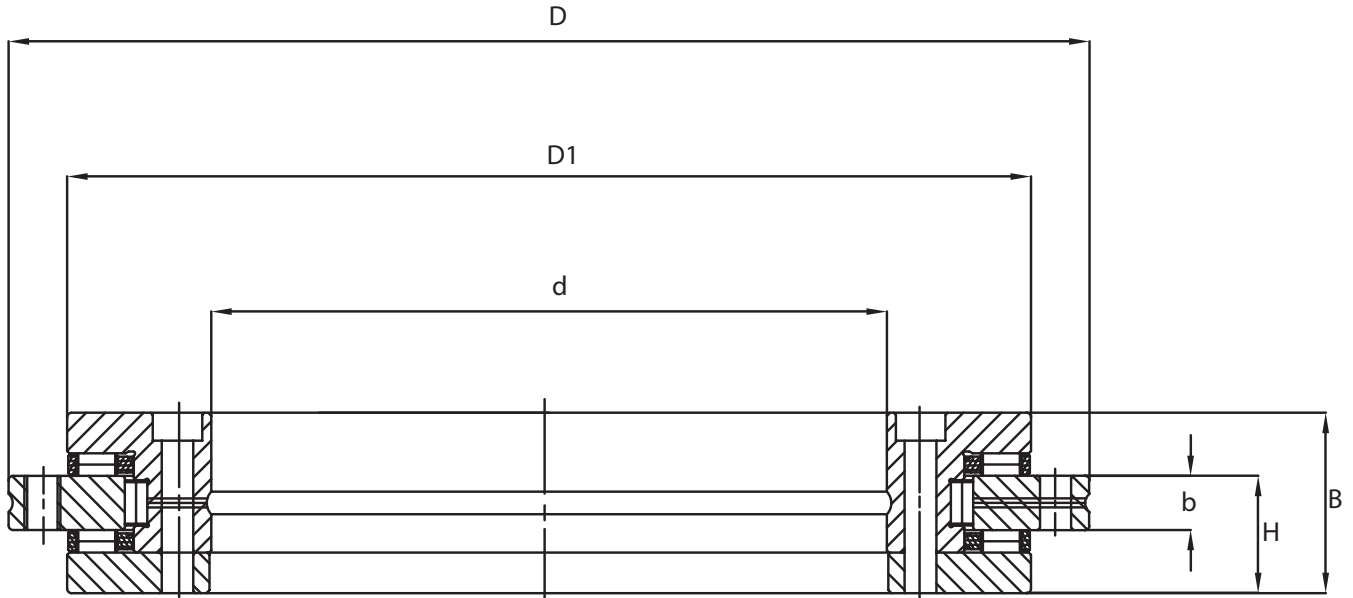
You'll find Timken® precision cylindrical roller bearings in applications including defense (ordnance and radar turrets and large telescopes), industrial-robot arms and machine tools (vertical-axis rotating, positioning and indexing tables and rotary grinding machines).

We also offer a full line of friction management solutions for machine tools. From bearings, seals and lubrication to reliability, engineering and maintenance support, Timken is your one-stop shop for help in getting the most out of your operations.

Ready to learn how we can help you maximize equipment performance? Contact your Timken sales representative or visit us online at www.Timken.com.

YRC

Combined Radial Axial Roller Bearing



Part Number Oil Lube	Load Ratings According to ISO											
								Radial		Axial		
	d	D	B	H	b	D1	Axial and Radial Runout	Dynamic	Static	Dynamic	Static	Axial Stiffness
	mm.	mm.	mm.	mm.	mm.	mm.	μ	kN	kN	kN	kN	kN/ μ m
	in	in	in	in	in	in	10^{-4} in	10^3 lbf	10^3 lbf	10^3 lbf	10^3 lbf	10^6 lbf/ft
YRC80	80	146	35	23.35	12	130	3	45.3	106.8	55.4	269.4	1.8
	3.15	5.75	1.38	0.92	0.47	5.12	1.18	10.18	24.01	12.45	60.56	123.3
YRC100	100	185	38	25	12	160	3	56.4	128.5	97.8	509.8	2.3
	3.94	7.28	1.50	0.98	0.47	6.30	1.18	12.68	28.89	21.99	114.61	157.55
YRC120	120	210	40	26	12	184	3	71.9	174.5	108.5	614.9	3
	4.72	8.27	1.57	1.02	0.47	7.24	1.18	16.16	39.23	24.39	138.23	205.5
YRC150	150	240	40	26	12	214	3	83.3	210.8	109.7	664.1	3.7
	5.91	9.45	1.57	1.02	0.47	8.43	1.18	18.73	47.39	24.66	149.30	253.45
YRC180	180	280	43	29	15	244	4	88.5	274.2	125.7	826.4	4.3
	7.09	11.02	1.69	1.14	0.59	9.61	1.57	19.90	61.64	28.26	185.78	294.55
YRC200	200	300	45	30	15	274	4	135.4	297.2	103.6	668	4.9
	7.87	11.81	1.77	1.18	0.59	10.79	1.57	30.44	66.81	23.29	150.17	335.65
YRC260	260	385	55	36.5	18	345	6	137.9	480.3	125.9	935.9	8.1
	10.24	15.16	2.17	1.44	0.71	13.58	2.36	31.00	107.98	28.30	210.40	554.85
YRC325	325	450	60	40	20	415	6	151.1	581.4	216.9	1768.9	9.2
	12.80	17.72	2.36	1.57	0.79	16.34	2.36	33.97	130.70	48.76	397.66	630.2
YRC395	395	525	65	42.5	20	486	6	173.6	699.5	235.6	2085.8	11.5
	15.55	20.67	2.56	1.67	0.79	19.13	2.36	39.03	157.25	52.96	468.91	787.75
YRC460	460	600	70	46	22	560	6	210.1	807.9	260.2	2467	13.6
	18.11	23.62	2.76	1.81	0.87	22.05	2.36	47.23	181.62	58.50	554.60	931.6



Established in 1899, The Timken Company is a leading provider of friction management and power transmission solutions to diverse markets, including aerospace, automotive, construction, distribution, mining, rail, truck and wind energy. Our 17,000 associates located in 27 countries/territories throughout Africa, Asia Pacific, Australia, Europe, Latin America and North America are committed to helping customers around the world succeed. We keep the world turning with innovative products and services, enabling our customers' machinery to perform more efficiently and reliably. Timken is Where You Turn® for better performance.

TIMKEN

Where You Turn

Bearings • Steel •
Power Transmission Systems •
Precision Components • Seals •
Lubrication • Industrial Services •
Remanufacture and Repair

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