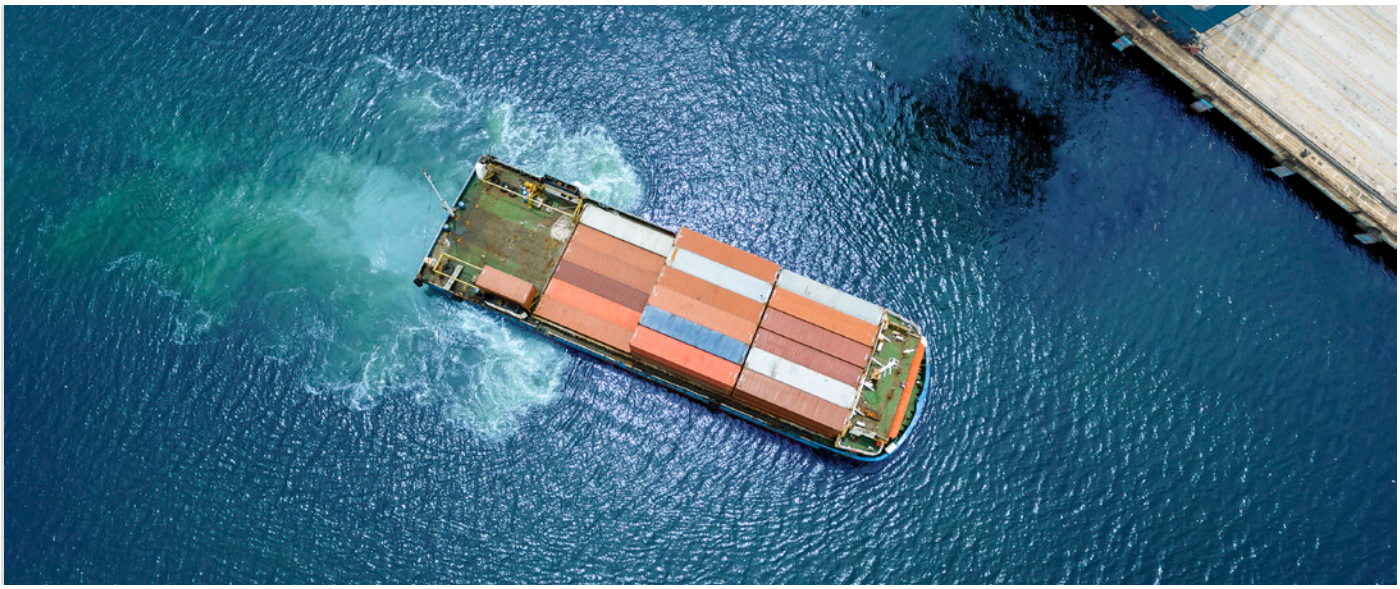
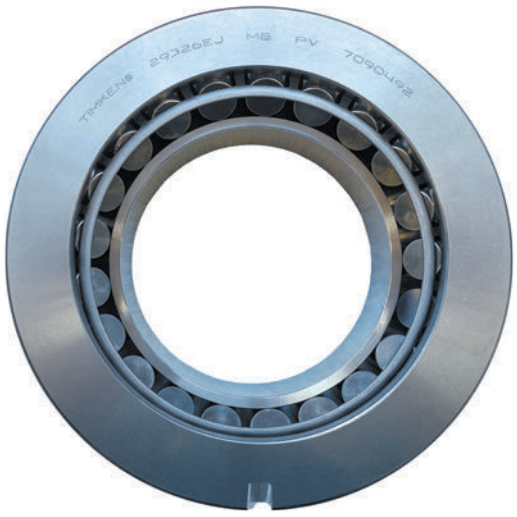
TIMKEN



N1 NOTCHED THRUST SPHERICAL ROLLER BEARINGS FOR MARINE APPLICATIONS

EXCELLENCE IN PERFORMANCE AND DESIGN.

Timken's N1 Notched Thrust Spherical Roller Bearings are meticulously engineered to meet the rigorous demands of marine propulsion systems, thrusters, and drive trains. These bearings are designed to handle intense axial and radial loads and to compensate for tilting moments, ensuring high performance in critical marine applications.



Timken Advantages

Enhanced Safety and Performance: The notched design prevents the outer ring from rotating to provide stable and reliable performance, even under high stress conditions.

High Load Capacity: Optimized to handle both axial and radial loads efficiently.

Durability: Engineered for durability, these bearings withstand the harsh marine environment and reduce the need for frequent maintenance.

Applications

Ideal for use in:

- Marine thrusters
- Drive trains
- Propulsion systems

Product Specifications:

Design Features:

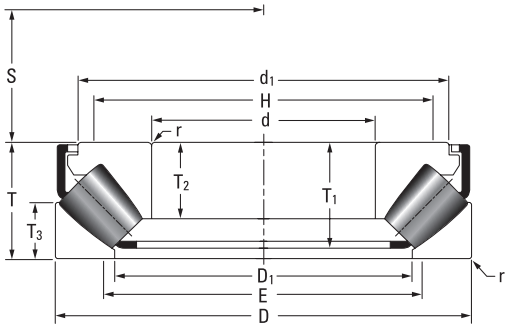
The spherical rollers are guided by outer ring raceways. The notch prevents rotation in the outer ring to enhance overall stability and performance.

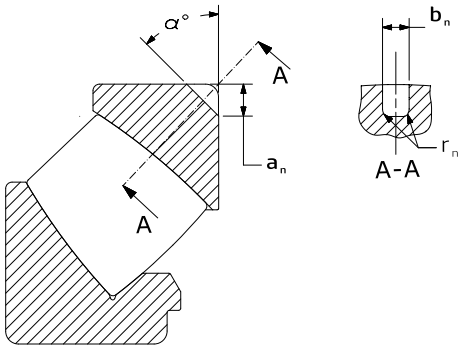
Load Handling:

The symmetrical design of the rollers and raceways distributes loads optimally, minimizes wear, and extends bearing service life.

Tilting Moment Compensation:

With self-aligning rollers that maintain alignment under various operating conditions, thrust spherical bearings excel at managing the tilting moments inherent in marine propulsion systems,





Part Number	Bearing Dimensions					N1 Slot Dimensions						Load Rating		Thermal Speed Rating	Limiting Speed	Bearing Weigth
	Bore	O.D.	Width	Inner Ring O.D.	Outer Ring Bore							Static Load Rating	Dynamic Load Rating			
	d	D	T	d1	D1	α	a_n	a_n tol	b_n	b_n tol	r_n	C_{a0}	C_a			
	mm	mm	mm	mm	mm	°	mm	mm	mm	mm	mm	kN	kN	rpm	rpm	kg
29418EJN1	90	190	60	164.6	127.5	45	11.7	+1.0	10.5	+0.2	2.0	1890	820	2000	3410	7.4
29320EJN1	100	170	42	152.3	127.5	45	10.1	+1.0	8.5	+0.2	2.0	1240	462	2000	3540	3.5
29420EJN1	100	210	67	182.2	141.5	45	11.7	+1.0	10.5	+0.2	2.0	2390	1020	1800	3080	10.1
29322EJN1	110	190	48	171.1	140.0	45	11.7	+1.0	10.5	+0.2	2.0	1660	604	1800	3180	4.7
29422EJN1	110	230	73	199.4	155.5	45	11.7	+1.0	10.5	+0.2	2.0	2840	1200	1700	2810	13.2
29324EJN1	120	210	54	188.1	154.0	45	11.7	+1.0	10.5	+0.2	2.0	2070	768	1700	2890	7.2
29424EJN1	120	250	78	216.8	171.0	45	11.7	+1.0	10.5	+0.2	2.0	3320	1390	1500	2580	16.6
29326EJN1	130	225	58	203.4	165.5	45	11.7	+1.0	10.5	+0.2	2.0	2410	852	1600	2690	8.8
29426EJN1	130	270	85	234.4	184.5	45	11.7	+1.0	10.5	+0.2	2.0	3870	1600	1400	2390	20.9
29328EJN1	140	240	60	216.1	177.0	45	11.7	+1.0	10.5	+0.2	2.0	2710	970	1500	2510	10.2
29428EJN1	140	280	85	245.4	194.5	45	12.7	+1.4	10.5	+0.2	2.0	4110	1640	1300	2270	22.1
29330EJN1	150	250	60	223.9	190.0	45	11.7	+1.0	10.5	+0.2	2.0	2760	993	1400	2390	10.6
29430EJN1	150	300	90	262.9	207.5	45	12.7	+1.4	10.5	+0.2	2.0	4730	1860	1200	2120	27.0
29332EJN1	160	270	67	243.5	203.0	45	11.7	+1.0	10.5	+0.2	2.0	3370	1190	1300	2220	14.2
29432EJN1	160	320	95	279.3	223.5	45	12.7	+1.4	10.5	+0.2	2.0	5340	2100	1200	1990	32.0
29334EJN1	170	280	67	251.2	215.0	45	12.7	+1.4	10.5	+0.2	2.0	3430	1230	1200	2120	14.5
29434EJN1	170	340	103	297.7	236.0	45	12.7	+1.4	10.5	+0.2	2.0	6140	2380	1100	1870	39.7
29336EJN1	180	300	73	270.0	227.0	45	12.7	+1.4	10.5	+0.2	2.0	4130	1430	1200	1990	18.6
29436EJN1	180	360	109	315.9	250.0	45	12.7	+1.4	10.5	+0.2	2.0	7090	2660	990	1770	47.5
29338EJN1	190	320	78	285.6	243.5	45	12.7	+1.4	10.5	+0.2	2.0	4550	1620	1100	1870	22.5
29340EJN1	200	340	85	304.3	257.0	45	12.7	+1.4	10.5	+0.2	2.0	5370	1880	1000	1770	28.4
29440EJN1	200	400	122	350.7	277.5	45	12.7	+2.0	10.5	+0.2	2.0	8470	3210	900	1590	64.8
29344EJN1	220	360	85	326.3	273.5	45	12.7	+1.4	10.5	+0.2	2.0	5840	1950	960	1650	30.7
29348EJN1	240	380	85	345.1	295.5	45	12.7	+1.4	10.5	+0.2	2.0	6280	2040	870	1540	32.8
29448EJN1	240	440	122	391.6	322.0	45	15.0	+2.0	12.5	+0.4	2.5	9520	3410	770	1400	73.3
29352EJN1	260	420	95	382.2	324.0	45	15.0	+2.0	12.5	+0.4	2.5	8100	2580	790	1400	46.9
29452EJN1	260	480	132	427.9	346.0	45	15.0	+2.0	12.5	+0.4	2.5	11900	4160	690	1290	96.4
29360EJN1	300	480	109	434.1	372.0	45	15.0	+2.0	12.5	+0.4	2.5	9900	3150	690	1220	67.3
29460EJN1	300	540	145	485.0	392.0	45	20.0	+2.0	15.5	+0.4	3.0	15000	4990	600	1140	132.6
29364EJN1	320	500	109	460.0	391.0	45	15.0	+2.0	12.5	+0.4	2.5	10700	2830	650	1170	71.6
29464EJN1	320	580	155	520.0	419.0	45	20.0	+2.0	15.5	+0.4	3.0	17100	5640	560	1147	163.4
29468EMN1	340	620	170	550.0	431.0	45	20.0	+2.0	15.5	+0.4	3.0	22030	5920	490	1000	207.0
29372EMN1	360	560	122	511.0	428.0	45	20.0	+2.0	15.5	+0.4	3.0	15130	3630	540	1040	102.1
29280EJN1	400	540	85	503.2	458.0	45	20.0	+2.0	15.5	+0.4	3.0	8110	1930	660	1175	48.4
29480EMN1	400	710	185	632.0	501.0	45	25.0	+2.0	20.5	+0.4	3.0	28470	7330	410	860	290.4
29384EMN1	420	650	140	600.0	520.0	45	25.0	+2.0	20.5	+0.4	3.0	16000	4040	510	890	148.3
29484EMN1	420	730	185	670.0	545.0	45	25.0	+2.0	20.5	+0.4	3.0	26000	6780	430	830	295.4
294/500EMN1	500	870	224	779.0	620.0	45	32.0	+2.0	20.5	+0.4	3.0	42370	10360	320	700	544.0

TIMKEN

The Timken team applies their know-how to improve the reliability and performance of machinery in diverse markets worldwide. The company designs, makes and markets bearings, gear drives, automated lubrication systems, belts, brakes, clutches, chain, couplings, linear motion products and related industrial motion rebuild and repair services.

Stronger. By Design.

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