



# TIMKEN

# SMART DESIGN

**HIGH-PERFORMANCE  
TIMKEN® SPHERICAL  
ROLLER THRUST BEARINGS**

**IMPROVES  
PERFORMANCE**

Timken® spherical roller thrust bearings provide an optimal balance between load-carrying capacity, misalignment capability of up to 3 degrees, and enhanced lubrication flow to reduce friction and operating temperatures. When you select high-performance Timken spherical roller thrust bearings, you will see the difference with our competitive ratings, broad product range, interchange capabilities and energy efficiency.

## **Load Ratings**

The higher load ratings and speed capabilities of Timken spherical roller thrust bearings contribute to optimal bearing performance. Better bearing performance can lengthen the time between maintenance intervals, keeping your operations running smoother and longer.

## **Broad Product Range**

Starting at 90 mm bore and ranging up to 1,000 mm bore, the offering includes steel and brass cages for commonly used sizes in the 294, 293 and 292 series.

## **Interchangeability**

Timken spherical roller thrust bearings are interchangeable by boundary dimensions with most designs in the market.

Our knowledgeable application engineers can help you with your interchange or mounting needs.

## **Regional Availability**

The full line of Timken spherical roller thrust bearings is available with the backing of 23 distribution/shipping centers and more than 1,500 authorized distributors operating from 5,000 branch locations.

## **Save Energy**

Less friction is generated due to the optimized design. As a result, less energy is needed to move the bearing.

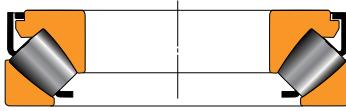
## **Best Fit**

The bearing design follows the ISO plan for boundary dimensions with unique internal geometry and advanced cage characteristics. The materials and design work together to create the best fit for your application.

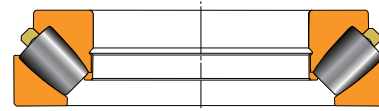


# TIMKEN® HIGH-PERFORMANCE SPHERICAL ROLLER THRUST BEARING RANGE

Timken introduces **the high-performance versions** of the most commonly used sizes in the industry, from **90 mm to 320 mm bore, with EJ cages**. Upon request, customized designs, special features, special materials and unique mounting accessories are available to help customers choose the best fit for the application.



EJ Cage Type



EM Cage Type

PN	Bore	O.D.	Width	Load Rating	
				Static Load Rating	Dynamic Load Rating
				mm	mm
29418EJ	90	190	60	1890	820
29320EJ	100	170	42	1240	462
29420EJ	100	210	67	2390	1020
29322EJ	110	190	48	1660	604
29422EJ	110	230	73	2840	1200
29324EJ	120	210	54	2070	768
29424EJ	120	250	78	3320	1390
29326EJ	130	225	58	2410	852
29426EJ	130	270	85	3870	1600
29328EJ	140	240	60	2710	970
29428EJ	140	280	85	4110	1640
29330EJ	150	250	60	2760	993
29430EJ	150	300	90	4730	1860
29332EJ	160	270	67	3370	1190
29432EJ	160	320	95	5340	2100
29334EJ	170	280	67	3430	1230
29434EJ	170	340	103	6140	2380
29336EJ	180	300	73	4130	1430
29436EJ	180	360	109	7090	2660
29338EJ	190	320	78	4550	1620
29438EJ	190	380	115	7910	3040
29340EJ	200	340	85	5370	1880
29440EJ	200	400	122	8470	3210
29344EJ	220	360	85	5840	1950
29444EJ	220	420	122	9090	3350
29348EJ	240	380	85	6280	2040
29448EJ	240	440	122	9520	3410
29352EJ	260	420	95	8100	2580
29452EJ	260	480	132	11900	4160
29356EJ	280	440	95	8500	2580
29456EJ	280	520	145	1430	4920
29360EJ	300	480	109	9900	3150
29460EJ	300	540	145	15000	4990
29364EJ	320	500	109	10700	2830
29368EJ	340	540	122	12000	3120

PN	Bore	O.D.	Width	Load Rating	
				Static Load Rating	Dynamic Load Rating
				mm	mm
29464EM	320	580	155	18909	5155
29468EM	340	620	170	22030	5920
29272EM	360	500	85	8200	1820
29372EM	360	560	122	15130	3630
29472EM	360	640	170	19500	5440
29376EM	380	600	132	17780	4300
29476EM	380	670	175	24870	6490
29480EM	400	710	185	28470	7330
29284EM	420	580	95	12460	2680
29384EM	420	650	140	16000	4040
29484EM	420	730	185	26000	6780
29388EM	440	680	145	18500	4530
29488EM	440	780	206	33710	8610
29392EM	460	710	150	20200	4820
29492EM	460	800	206	31700	8120
29396EM	480	730	150	20000	4820
29496EM	480	850	224	35800	9320
292/500EM	500	670	103	15930	3180
293/500EM	500	750	150	20500	4840
294/500EM	500	870	224	42370	10360
293/530EM	530	800	160	24100	5600
294/530EM	530	920	236	47120	11440
293/560EM	560	850	175	26600	6180
294/560EM	560	980	250	54370	13010
292/600EM	600	800	122	21920	4370
294/600EM	600	1030	258	57530	13840
292/630EM	630	850	132	25800	5040
294/630EM	630	1090	280	65910	15640
292/670EM	670	900	140	22000	4290
292/670EJ	670	900	140	23100	4450
294/670EM	670	1150	290	71970	17030
294/710EM	710	1220	308	81300	19060
293/750EM	750	1120	224	55860	11770
294/750EM	750	1280	315	87900	20560
294/800EM	800	1360	335	98280	22700
294/850EM	850	1440	354	109310	25250
294/850EJ	850	1440	354	112880	24650
294/900EM	900	1520	372	126950	27440
294/950EM	950	1600	390	139020	30600
292/1000EM	1000	1320	190	59110	10580
293/1000EM	1000	1460	276	94280	18520
294/1000EM	1000	1670	402	148040	32590

# 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 power transmission rebuild and repair services.

**Stronger. By Design.**

[www.timken.com](http://www.timken.com)