

Large Thrust Bearings

TP Type Cylindrical Roller Thrust Bearings



**High Capacity Cylindrical Roller Thrust Bearings
in Standard and Custom Designs**



**RBC Division
ISO 9001:2000**

**www.rbcbearings.com
800.390.3300**



RBC Bearings — A Tradition of Excellence

RBC Bearings, founded in 1919, has a long and impressive history as an innovator in bearing technology — one that has been highlighted by patents for creative engineering design and quality craftsmanship. RBC provides a growing list of industrial, aerospace, and defense customers with unique design solutions to complex problems and an unparalleled level of service, quality, and support.

In 2005, the company became public (Nasdaq: ROLL), and has grown steadily through strategic planning and acquisitions. Today, RBC has facilities throughout North America and Europe, with a global network of sales engineers, distributors, and authorized agents.



Heavy Duty TP Type Cylindrical Roller Thrust Bearings

RBC produces an extensive range of standard cylindrical roller thrust bearings from 3.5 in. (89 mm) bore to 34 in. (863.6 mm) O.D. These bearings are ideal for heavy loads requiring moderate speeds. Typical applications include:

- Crane hooks
- Rolling mills
- Oil well swivels
- Cone pumps
- Gear boxes
- Winch systems
- Cone crushers
- Pumps
- Bridge and trolley drives

The TP type thrust bearings are cost efficient and several sizes are readily available from inventory. They comprise two hardened and ground steel washers, a machined brass cage and steel rollers.

Advantages of RBC Heavy Duty TP Series

- Fully interchangeable with industry standard offering.
- For larger sizes, specials and other variants please contact RBC customer service.



RBC Heavy Duty TP Type Cylindrical Roller Thrust Bearings

RBC Part Number	Dimensions in Inches			Load Rating lbs.f		Mass lbs.	Torrington Interchange	Rollway	American	INA
	Bore	OD	Width	Dynamic	Static					
TP 626	3 1/2	5 7/32	1	34845	120273	3	35 TP 113	T-626	–	RT-626
TP 734	4	7	1 3/4	98916	333841	11	40 TP 114	T-734	TP-134	RT-734
TP 735	4	8	1 3/4	133761	508068	17	40 TP 115	T-735	TP-135	RT-735
TP 736	4	9	1 3/4	156242	641829	22	40 TP 116	T-736	TP-136	RT-736
TP 737	4	10	1 3/4	193336	880127	29	40 TP 117	T-737	TP-137	RT-737
TP 738	5	8	1 3/4	107908	402408	14	50 TP 119	T-738	TP-138	RT-738
TP 739	5	9	1 3/4	145002	609232	20	50 TP 120	T-739	TP-139	RT-739
TP 740	5	10	2	193336	796948	30	50 TP 121	T-740	TP-140	RT-740
TP 741	5	11	2	202328	879003	38	50 TP 122	T-741	TP-141	RT-741
TP 742	5	12	2	263026	1239821	47	50 TP 123	T-742	TP-142	RT-742
TP 743	6	9	2	132637	492332	18	60 TP 124	T-743	TP-143	RT-743
TP 744	6	10	2	177599	744118	25	60 TP 125	T-744	TP-144	RT-744
TP 745	6	11	2	221437	1000400	34	60 TP 126	T-745	TP-145	RT-745
TP 746	6	12	2	257406	1257806	42	60 TP 127	T-746	TP-146	RT-746
TP 747	7	10	2	138257	547410	20	70 TP 129	T-747	TP-147	RT-747
TP 748	7	11	2	185467	826173	28	70 TP 130	T-748	TP-148	RT-748
TP 749	7	12	2	231553	1108308	40	70 TP 131	T-749	TP-149	RT-749
TP 750	7	14	3	397912	1595019	88	70 TP 132	T-750	TP-150	RT-750
TP 751	8	12	3	254034	890243	48	80 TP 134	T-751	TP-151	RT-751
TP 752	8	14	3	381051	1560174	78	80 TP 135	T-752	TP-152	RT-752
TP 753	8	16	3	491207	2243593	114	80 TP 136	T-753	TP-153	RT-753
TP 514	9	14	3	324849	1308388	68	90 TP 139	T-514	TP-514	RT-514
TP 516	9	16	3	451866	2027776	134	90 TP 140	T-516	TP-516	RT-516
TP 518	9	18	3	557526	2758405	168	90 TP 141	T-518	TP-518	RT-518
TP 754	10	16	3	411400	1860294	88	100 TP 143	T-754	TP-154	RT-754
TP 755	10	18	3 3/4	623845	2733677	168	100 TP 144	T-755	TP-155	RT-755
TP 756	10	20	3 3/4	748614	3575586	225	100 TP 145	T-756	TP-156	RT-756
TP 757	12	18	3 3/4	522681	2263826	134	120 TP 151	T-757	TP-157	RT-757
TP 758	12	20	4 1/2	727257	3103487	222	120 TP 152	T-758	TP-158	RT-758
TP 759	12	24	4 1/2	1035245	5093046	372	120 TP 153	T-759	TP-159	RT-759
TP 760	14	20	3 3/4	553030	2626892	152	140 TP 158	T-760	TP-160	RT-760
TP 761	14	22	3 3/4	726133	3755433	215	140 TP 159	T-761	TP-161	RT-761
TP 762	14	24	3 3/4	810436	4330944	285	140 TP 160	T-762	TP-162	RT-762
TP 763	16	22	4 1/2	650822	2929260	205	160 TP 164	T-763	TP-163	RT-763
TP 764	16	24	4 1/2	846406	4256757	290	160 TP 165	T-764	TP-164	RT-764
TP 765	16	26	4 1/2	1043113	5595494	380	160 TP 166	T-765	TP-165	RT-765
TP 766	18	26	5	953190	4592846	350	180 TP 168	T-766	TP-166	RT-766
TP 767	18	28	5	1156642	6092322	460	180 TP 169	T-767	TP-167	RT-767
TP 768	18	30	5 1/2	1469126	7654744	630	180 TP 170	T-768	TP-168	RT-768
TP 769	20	28	5 1/2	1067842	5091922	450	200 TP 171	T-769	TP-169	RT-769
TP 770	20	30	5 1/2	1325249	6753260	550	200 TP 172	T-770	TP-170	RT-770
TP 771	20	32	6	1610756	8398861	750	200 TP 173	T-771	TP-171	RT-771
TP 772	22	30	5 1/2	1139781	5779837	450	220 TP 174	T-772	TP-172	RT-772
TP 773	22	32	5 1/2	1414048	7659240	600	220 TP 175	T-773	TP-173	RT-773
TP 774	22	34	6	1674826	9203677	792	220 TP 176	T-774	TP-174	RT-774

Items in bold are in stock.

Tolerances and accuracy to ABMA Standard 21.2.



Innovation. Commitment. Quality.

RBC has been producing bearings in the USA since 1919. In addition to unique custom bearings, RBC offers a full line of standard industrial and aerospace bearings, including:



Spherical Plain Bearings

Radial, angular contact, extended inner ring, high misalignment. **QuadLube®**, **ImpactTuff®**, **SpreadLock® Seal**, **CrossLube®**, **DuraLube™**, and self-lubricating bearings. Available in inch and metric sizes.



Thin Section Ball Bearings

Standard cross sections to one inch. Sizes to 40 inches. Stainless steel and other materials are available. Seals are available on all sizes and standard cross sections. Super duplex configurations. Inch and metric.



Tapered Roller Bearings

Tyson® case-hardened and through-hardened tapered roller bearings. Available in many sizes. Used in Class 8 heavy truck and trailer wheel bearings, gearboxes, and final drive transmissions.



Tapered Roller Thrust Bearings

Case-hardened. Sealed and unsealed for truck, tractor, and construction equipment steer axles, and Class 8 trailer landing gear.



Integrated Assemblies

For robots and other process tool applications. Engineering design assistance. Production volume capacity.



Cam Followers

Standard stud, heavy stud, yoke type, caged roller followers. Patented **RBC Roller®** cylindrical roller cam followers, **HexLube®** universal cam followers, airframe track rollers.



Needle Roller Bearings

Pitchlign® caged heavy duty needle roller bearings, inner rings, **TJ TandemRoller®** bearings for long life.



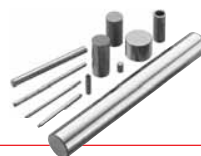
Self-Lubricating Bearings

Radial, thrust, rod ends, spherical bearings, high temperature, high loads. Available in inch and metric sizes. **Fiberglide®** self-lubricating bearings.



Airframe Control Bearings

Ball bearing types, self-lubricating types, needle roller track rollers.



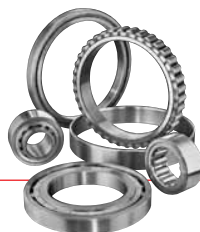
Dowel Pins, Loose Needle Rollers, Shafts

Precision Products dowel pins, loose needle rollers, and shafts.



Commercial Rod Ends

Commercial and industrial, precision, Mil-Spec series, self-lubricating, and aircraft. Sold under the **Heim®**, **Unibal®**, and **Spherco®** names. Available in inch and metric sizes.



Large Ball and Cylindrical Roller Bearings

Ball and cylindrical roller bearings up to 60 in. (1.5 m) O.D. Tapered roller and tapered roller thrust bearings up to 36 in. (9.1 m) O.D. Slewing rings up to 169 in. (4.3 m) O.D.



Ball Bearings

Precision ground, semiground, unground. High loads, long life, smooth operation. **Nice®** branded products are offered in caged and full complement configurations.



Specials

RBC manufactures many specialty bearings for the aerospace, oil and energy, semiconductor equipment, packaging, transportation, and other industries.



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