

U.S. Census Bureau  
Antifriction Bearings - 2010  
MA332Q(10)  
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Table 1. Value of Shipments of Antifriction Ball and Roller Bearings, Components, and Parts: 2010 to 2006  
 [Value in millions of dollars]

Product code	Product description	Year		Value
3329911	Ball bearings, complete, unmounted	2010	c/	1,913.2
		2009	c/	1,678.9
		2008	c/	2,014.3
		2007	a/	2,058.9
		2006		1,932.8
3329913	Tapered roller bearings, including cups and cones, unmounted <b>1/</b>	2010	c/	2,486.3
		2009	b/r/	2,178.0
		2008		(D)
		2007		(D)
		2006		1,958.3
3329915	Roller bearings (except tapered), unmounted <b>1/</b>	2010		(S)
		2009		(D)
		2008	a/	1,330.9
		2007		1,324.2
		2006		1,139.0
3329917	Mounted bearings (except plain)	2010		450.8
		2009	c/r/	450.7
		2008	b/	493.8
		2007	b/	500.3
		2006		554.5
3329919	Parts and components for ball and roller bearings (except cups and cones), including balls and rollers, sold separately	2010	a/	442.2
		2009	r/	363.2
		2008		796.3
		2007		715.5
		2006		652.4

Footnote:

**1/** Data represents a combined total for tapered roller bearings, including cups and cones, unmounted and roller bearings (except tapered), unmounted for 2009 and 2010.

Table 2. Domestic Quantity and Value of Shipments of Antifriction Ball and Roller Bearings, Components, and Parts: 2010 and 2009  
 [Quantity in thousands of units. Value in thousands of dollars]

Product code	Product description	Year	Companies	Quantity		Value	
3329911	Ball bearings, complete, unmounted	2010	(X)	c/	169,567	c/	1,913,212
		2009		a/	166,680	c/	1,678,872
3329911101	Ball bearings, complete, annular, ground or precision, single-row conrad, miniature regular (ABEC 1 and 3)	2010	4		(D)		(D)
		2009			(D)		(D)
3329911102	Ball bearings, complete, annular, ground or precision, single-row conrad, miniature precision (ABEC 5 and up)	2010	4		(D)		(D)
		2009			(D)		(D)
3329911103	Ball bearings, complete, annular, ground or precision, single-row conrad, other regular, 9 mm outside diameter through 30 mm outside diameter	2010	5		(D)		(D)
		2009			(D)		(D)
3329911104	Ball bearings, complete, annular, ground or precision, single-row conrad, other regular, over 30 mm outside diameter through 52 mm outside diameter	2010	11		(D)		(D)
		2009		r/	33,375	a/r/	66,034
3329911105	Ball bearings, complete, annular, ground or precision, single-row conrad, other regular, over 52 mm outside diameter through 100 mm outside diameter	2010	10	a/	13,830		89,367
		2009		r/	11,321	r/	74,960
3329911107	Ball bearings, complete, annular, ground or precision, single-row conrad, other regular, 9 mm outside diameter through 30 mm outside diameter	2010	12	a/	5,103	c/	169,837
		2009		r/	4,762	r/	151,924
3329911109	Ball bearings, complete, annular, ground or precision, single-row conrad, other precision, 9 mm outside diameter through 30 mm outside diameter	2010	3		(D)		(D)
		2009			(D)		(D)
3329911111	Ball bearings, complete, annular, ground or precision, single-row conrad, other precision, over 30 mm outside diameter through 52 mm outside diameter	2010	6	b/	667	a/	59,073
		2009		b/r/	583	b/r/	48,783

3329911112	Ball bearings, complete, annular, ground or precision, single-row conrad, other precision, over 52 mm outside diameter through 100 mm outside diameter	2010	5		224	b/	41,858
		2009			161	c/r/	33,472
3329911113	Ball bearings, complete, annular, ground or precision, single-row conrad, other precision, over 100 mm outside diameter	2010	6		(S)	c/	82,865
		2009		r/	261	b/	58,395
3329911114	Ball bearings, complete, annular, ground or precision single-row maximum capacity type	2010	6		1,409		43,137
		2009		r/	1,713	a/r/	31,825
3329911118	Ball bearings, complete, annular, integral shaft and integral spindal ball bearings	2010	4		(D)		(D)
		2009			(D)		(D)
3329911120	Ball bearings, complete, annular, ground or precision, double row	2010	8	c/	37,923		564,319
		2009		r/	32,018	r/	450,101
3329911119	Ball bearings, complete, annular, ground or precision, angular contact, regular	2010	9		943		141,314
		2009		a/r/	923	r/	144,012
3329911123	Ball bearings, complete, annular, ground or precision, angular contact, precision	2010	4		(D)		(D)
		2009			(D)		(D)
3329911124	Ball bearings, complete, annular, other ground or precision bearings	2010	2		(D)		(D)
		2009			(D)		(D)
3329911127	Ball bearings, complete, annular, other ground or precision bearings of less than ABEC 1 precision	2010	2		(D)		(D)
		2009			(D)		(D)
3329911129	Ball bearings, complete, annular, unground (less than ABEC 1)	2010	11	c/	30,842	a/	60,231
		2009			33,793	a/	52,006
3329911133	Thrust ball bearings, complete, ground	2010	8	c/	706	a/	8,824
		2009		a/	616		8,801
3329911135	Thrust ball bearings, complete, unground	2010	4	c/	4,645		10,269
		2009			4,567		7,167
3329911155	Other ball bearings	2010	14		(S)		(S)
		2009			20,123		277,332

3329913	Tapered roller bearings, including cups and cones, unmounted 1/	2010 2009	(X)	a/ r/	1,072,490 987,025	c/ r/	2,486,267 2,178,035
3329913132	Tapered roller bearings, cup and cone assemblies shipped as a set	2010 2009	10		(D) (D)		(D) (D)
3329913133	Tapered roller bearings, cups shipped separately	2010 2009	6		(D) (D)		(D) (D)
3329913134	Tapered roller bearings, cone assemblies shipped separately	2010 2009	5		(D) (D)		(D) (D)
3329915	Roller bearings (except tapered), unmounted 1/	2010 2009	(X)		(S) (D)		(S) (D)
3329915111	Cylindrical roller bearings, regular (ABEC 1 and 3)	2010 2009	14		(D) (D)		(D) (D)
3329915112	Cylindrical roller bearings, precision (ABEC 5 and up)	2010 2009	6		(D) 223	c/	(D) 128,703
3329915124	Spherical roller bearings, including hourglass and barrel, single-row	2010 2009	6	c/	(D) 293		(D) 35,705
3329915125	Spherical roller bearings, including hourglass and barrel, double-row	2010 2009	6		(D) (D)		(D) (D)
3329915141	Needle roller bearings	2010 2009	7		(D) (D)		(D) (D)
3329915193	Other roller bearings	2010 2009	8		(D) 533		(D) 26,952
3329917	Mounted bearings (except plain)	2010 2009	(X)	b/ c/t/	4,682 6,435	c/t/	450,824 450,676
3329917117	Ball bearings, unit and/or split-mounted	2010 2009	9	a/	3,819 5,564	a/	203,924 239,527
3329917153	Roller, unit mounted	2010	7	a/	670	a/	187,300

		2009		(D)		(D)
3329917155	Roller, split-mounted	2010	3	193		59,600
		2009		(D)		(D)
3329919	Parts and components for ball and roller bearings (except cups and cones), including balls and rollers sold separately	2010	(X)	(X)	a/	442,233
		2009		(X)	r/	363,221
3329919111	Balls (millions of units)	2010	13	(D)		(D)
		2009		(D)		(D)
3329919121	Other antifriction ball bearing components and parts, including unassembled ball bearings, cages, races, seals, shields, etc. (except balls)	2010	15	(X)		103,817
		2009		(X)		79,303
3329919131	Rollers (millions of units)	2010	8	c/	12,080	70,247
		2009			8,195	r/ 67,243
3329919135	Roller bearing parts and components for tapered roller bearings (except cup cone assemblies)	2010	5	(X)	c/	28,556
		2009		(X)	c/	17,843
3329919136	Roller bearing parts and components for cylindrical roller bearings	2010	3	(X)		(D)
		2009		(X)		(D)
3329919137	Roller bearing parts and component for spherical roller bearings	2010	2	(X)		(D)
		2009		(X)		(D)
3329919149	Roller bearing parts and component for other roller bearings	2010	7	(X)	b/	23,467
		2009		(X)	a/	15,516
3329919159	Housings and parts and components for housings, including housing closures, collars, spacers, sleeves, adapters, and other miscellaneous items	2010	4	(X)		43,137
		2009		(X)		51,784

Footnote:

1/ Data represents a combined total for tapered roller bearings, including cups and cones, unmounted and roller bearings (except tapered), unmounted for 2009 and 2010.

Table 3. Shipments, Exports, and Imports, of Antifriction Ball and Roller Bearings, Components, and Parts 2010 and 2009  
 [Quantity in thousands of units. Value and duty in thousands of dollars]

Product code 1/	Product description	Year	Manufacturers' shipments quantity		Export of domestic merchandise 2/ quantity	Export of domestic merchandise 2/ (value at port)	Imports consumption 3/ quantity	Imports consumption c.i.f. and calculated duty 3/4/
332991100T	Ball bearings, complete annular, ground or precision, single-row conrad, miniature regular (below 9 mm outside diameter), regular (ABEC 1 and 3) and precision (ABEC 5 and up)	2010	(D)	(D)	648	8,435	18,223	14,630
		2009	(D)	(D)	485	5,417	18,217	12,443
332991200T	Ball bearings, complete annular, ground or precision, single-row conrad, other regular and precision 9 mm outside diameter through 30 mm outside diameter	2010	(D)	(D)	250	18,499	167,790	74,091
		2009	(D)	(D)	225	15,761	106,944	50,767
332991300T	Ball bearings, complete annular, ground or precision, single-row conrad, other regular, over 30 mm outside diameter through 52 mm outside diameter	2010	(D)	(D)	552	25,785	185,669	141,065
		2009	r/ 33,958	a/r/ 114,817	499	22,692	128,329	100,617
332991400T	Ball bearings, complete annular, ground or precision, single-row conrad, other regular over 52 mm outside diameter through 100 mm outside diameter	2010	a/ 14,054	131,225	345	20,018	42,644	139,241
		2009	r/ 11,482	a/r/ 108,432	305	20,366	26,025	89,891
332991500T	Ball bearings, complete annular, ground or precision, single-row conrad, other regular, over 100 mm outside diameter	2010	(S)	c/ 252,702	82	25,960	5,818	70,294
		2009	r/ 5,023	a/r/ 210,319	61	21,743	3,131	63,998
3329911114	Ball bearings, complete annular, ground or precision, single-row maximum capacity type	2010	1,409	43,137	113	7,115	7,873	25,603
		2009	r/ 1,713	a/r/ 31,825	102	7,151	6,444	18,378
3329911118	Ball bearings, complete, integral shaft and integral spindle ball bearings	2010	(D)	(D)	979	38,874	11,506	27,373
		2009	(D)	(D)	1,215	38,991	10,742	28,175
3329911120	Ball bearings, complete, annular, ground or precision, double-row	2010	c/ 37,923	564,319	104	9,399	4,949	21,954
		2009	r/ 32,018	r/ 450,101	59	7,393	4,085	20,774
332991600T	Ball bearings, complete, annular, ground or precision, angular contact, regular and precision	2010	(D)	(D)	6,426	120,998	14,764	170,065
		2009	(D)	(D)	6,277	96,447	10,782	119,454
332991700T	All other ground or precision (ABEC 1 and up) and ground bearing of less than ABEC 1 precision; annular ball bearings including self-aligning unground (less than ABEC 1); and unground thrust ball bearings	2010	37,250	87,144	1,235	25,260	10,238	10,023
		2009	39,478	71,878	946	19,627	7,351	5,425
3329911133	Ground thrust ball bearings	2010	c/ 706	a/ 8,824	250	23,196	5,533	18,848
		2009	a/ 616	8,801	268	33,813	3,068	17,173
3329911155	Other ball bearings	2010	(S)	(S)	4,437	157,664	16,108	88,178
		2009	20,123	277,332	2,654	129,487	7,935	56,542
3329913132	Tapered roller bearings, including cups and cones, unmounted, cup and cone assemblies shipped as a set	2010	(D)	(D)	5,614	260,490	34,485	213,567
		2009	(D)	(D)	3,740	209,673	20,314	142,488
3329913133	Tapered roller bearings, including cups and cones, unmounted, cups shipped separately	2010	(D)	(D)	5,270	50,071	52,450	99,470
		2009	(D)	(D)	3,112	31,755	26,611	49,633
3329913134	Tapered roller bearings, including cups and cones, unmounted, cone assemblies shipped separately	2010	(D)	(D)	17,058	179,893	37,642	139,915
		2009	(D)	(D)	8,594	112,736	23,774	87,120

332991800T	Cylindrical roller bearings, regular (ABEC 1 and 3) and precision (ABEC 5 and up)	2010	(D)	(D)	2,871	120,075	52,953	303,387
		2009	(D)	(D)	1,620	107,784	29,928	243,388
3329915124	Spherical roller bearings, including hourglass and barrel, single-row	2010	(D)	(D)	268	32,189	409	14,185
		2009	(D)	(D)	230	22,898	254	12,440
3329915125	Spherical roller bearings, including hourglass and barrel, double-row	2010	(D)	(D)	185	45,302	967	95,235
		2009	(D)	(D)	184	45,251	676	80,363
3329915141	Needle rolling bearings	2010	(D)	(D)	65,018	64,251	132,571	94,197
		2009	(D)	(D)	21,313	46,082	76,516	54,051
3329915193	Other roller bearings	2010	(D)	(D)	22,896	129,766	3,433	17,683
		2009	533	26,952	1,058	112,052	2,361	12,593
3329917117	Mounted bearings (except plain), ball bearings, unit and/or split mounted	2010	3,819	203,924	626	40,209	22,797	50,381
		2009	a/ 5,564	a/ 239,527	453	26,851	13,668	39,671
332991900T	Mounted bearings (except plain), roller bearings, unit and split mounted	2010	a/ 863	a/ 246,900	133	28,389	567	8,108
		2009	(D)	(D)	84	16,962	564	6,810
3329919111	Balls (millions of units)	2010	(D)	(D)	(X)	38,137	5,444	25,823
		2009	(D)	(D)	(X)	29,120	2,857	14,336
3329919121	Other antifriction ball bearings components and parts, including unassembled ball bearings, cages, races, seals, shields, etc. (except balls)	2010	(X)	103,817	(X)	61,026	206,190	180,024
		2009	(X)	79,303	(X)	34,747	120,931	106,593
3329919131	Rollers (millions of units)	2010	c/ 12,080	70,247	(X)	61,050	5,447	53,343
		2009	8,195	r/ 67,243	(X)	40,471	2,650	30,610
3329919135	Roller bearing parts and components (except rollers) for tapered roller bearings (except cup and cone)	2010	(X)	c/ 28,556	(X)	25,874	(X)	60,338
		2009	(X)	c/ 17,843	(X)	24,599	(X)	29,519
3329919136	Roller bearing parts and components (except rollers) for cylindrical roller bearings	2010	(X)	(D)	(X)	7,748	(X)	37,003
		2009	(X)	(D)	(X)	6,274	(X)	28,826
3329919137	Roller bearing parts and components (except rollers) for spherical roller bearings	2010	(X)	(D)	(X)	11,504	(X)	17,296
		2009	(X)	(D)	(X)	8,371	(X)	17,617
3329919149	Roller bearing parts and components (except rollers) for other roller bearings	2010	(X)	b/ 23,467	(X)	70,181	(X)	14,288
		2009	(X)	a/ 15,516	(X)	33,537	(X)	12,330
3329919159	Housings and parts and components for housing, including housing closures, collars, spacers, sleeves, adapters, and other miscellaneous items	2010	(X)	43,137	(X)	59,636	(X)	115,536
		2009	(X)	51,784	(X)	42,555	(X)	87,671

Footnotes:

1/ For comparison of North American Industry Classification System (NAICS) based product codes with Schedule B export codes and HTSUSA import codes, see Table 4.

2/ Source: Census Bureau report EM 545, U.S. Exports.

3/ Source: Census Bureau report IM 145, U.S. Imports for Consumption.

4/ Dollar value represents the c.i.f. (cost, insurance, and freight) value at first port of entry in the United States plus U.S. import duties.



Table 4. Comparison of combined North American Industry Classification System (NAICS)-Based Product Codes with Schedule B Export Codes, and HTSUSA Import Codes: 2010

Combined code	Product code	Product description	Export code 1/	Import code 2/
332991100T	3329911101 3329911102	Ball bearings, complete annular, ground or precision, single-row conrad, miniature regular (ABEC 1 and 3) and precision (ABEC 5 and up)	8482.10.5036	8482.10.5036
332991200T	3329911103 3329911109	Ball bearings, complete annular, ground or precision, single-row conrad, other regular and precision 9 mm outside diameter through 30 mm outside diameter	8482.10.5044	8482.10.5044
332991300T	3329911104 3329911111	Ball bearings, complete annular, ground or precision, single-row conrad, other regular, over 30 mm outside diameter through 52 mm outside diameter	8482.10.5048	8482.10.5048
332991400T	3329911105 3329911112	Ball bearings, complete annular, ground or precision, single-row conrad, other regular over 52 mm outside diameter through 100 mm outside diameter	8482.10.5052	8482.10.5052
332991500T	3329911107 3329911113	Ball bearings, complete annular, ground or precision, single-row conrad, other regular, over 100 mm outside diameter	8482.10.5056	8482.10.5056
3329911114	3329911114	Ball bearings, complete annular, ground or precision, single-row maximum capacity type	8482.10.5032	8482.10.5032
3329911118	3329911118	Ball bearings, complete, integral shaft and integral spindle ball bearings	8482.10.1000	8482.10.1040 8482.10.1080
3329911120	3329911120	Ball bearings, complete, annular, ground or precision, double-row	8482.10.5060	8482.10.5060
332991600T	3329911119 3329911123	Ball bearings, complete, annular, ground or precision, angular contact, regular and precision	8482.10.5016 8482.10.5024 8482.10.5028	8482.10.5016 8482.10.5024 8482.10.5028

332991700T	3329911124 3329911127 3329911129 3329911135	All other ground or precision (ABEC 1 and up) and ground bearings of less than ABEC 1 precision; annular ball bearings including self-aligning, unground (less than ABEC 1); and unground thrust ball bearings	8482.10.5004 8482.10.5064	8482.10.5004 8482.10.5064
3329911133	3329911133	Ground thrust ball bearings	8482.10.5008	8482.10.5008
3329911155	3329911155	Other ball bearings	8482.10.5012 8482.10.5068	8482.10.5012 8482.10.5068
3329913132	3329913132	Tapered roller bearings, including cups and cones, unmounted, cup and cone assemblies shipped as a set	8482.20.0020 8482.20.0030 8482.20.0040 8482.20.0060	8482.20.0020 8482.20.0030 8482.20.0040 8482.20.0060
3329913133	3329913133	Tapered roller bearings, including cups and cones, unmounted, cups shipped separately	8482.99.3010	8482.99.1540
3329913134	3329913134	Tapered roller bearings, including cups and cones, unmounted, cone assemblies shipped separately	8482.20.0070 8482.20.0080	8482.20.0070 8482.20.0080
332991800T	3329915111 3329915112	Cylindrical roller bearings, regular (ABEC 1 and 3) and precision (ABEC 5 and up)	8482.50.0000	8482.50.0000
3329915124	3329915124	Spherical roller bearings, including hourglass and barrel, single-row	8482.30.0040	8482.30.0040
3329915125	3329915125	Spherical roller bearings, including hourglass and barrel, double-row	8482.30.0080	8482.30.0080
3329915141	3329915141	Spherical roller bearings, including hourglass and barrel, needle rolling bearings	8482.40.0000	8482.40.0000
3329915193	3329915193	Spherical roller bearings, including hourglass and barrel, other roller bearings, n.e.c.	8482.80.0020 8482.80.0040 8482.80.0060	8482.80.0020 8482.80.0040 8482.80.0060
3329917117	3329917117	Mounted bearings (except plain), ball bearings, unit	8483.20.0010	8483.20.4040

		and/or split mounted		8483.20.8040
332991900T	3329917153 3329917155	Mounted bearings (except plain), roller bearings, unit and split mounted	8483.20.0050	8483.20.4080 8483.20.8080
3329919111	3329919111	Balls (millions of units)	8482.91.0010 8482.91.0020	8482.91.0010 8482.91.0020
3329919121	3329919121	Other antifriction ball bearings components and parts, including unassembled ball bearings, cages, races, seals, shields, etc. (except balls)	8482.99.1010 8482.99.1050	8482.99.0500 8482.99.3500
3329919131	3329919131	Rollers (millions of units)	8482.91.0040 8482.91.0050 8482.91.0070 8482.91.0080 8482.91.0090	8482.91.0040 8482.91.0050 8482.91.0070 8482.91.0080 8482.91.0090
3329919135	3329919135	Roller bearing parts and components (except rollers) for tapered roller bearings (except cup and cone assemblies)	8482.99.3050	8482.99.1580 8482.99.4500
3329919136	3329919136	Roller bearing parts and components (except rollers) for cylindrical roller bearings	8482.99.7060	8482.99.2560 8482.99.6560
3329919137	3329919137	Roller bearing parts and components (except rollers) for spherical roller bearings	8482.99.5000	8482.99.2520 8482.99.6510
3329919149	3329919149	Roller bearing parts and components (except rollers) for other roller bearings	8482.99.7030 8482.99.7090	8482.99.2540 8482.99.6530
3329919159	3329919159	Housings and parts and components for housing, including housing closures, collars, spacers, sleeves, adapters, and other miscellaneous items	8483.30.5020	8483.30.4040 8483.30.8020 8483.90.2000 8483.90.7000

Footnotes:

1/ Source: 2010 edition, Harmonized System-based Schedule B, Statistical Classification of Domestic and Foreign Commodities Exported from the United States.

2/ Source: Harmonized Tariff Schedule of the United States, Annotated (2010).

Symbols:

- (D) - Withheld to avoid disclosing data of individual companies.
- (X) - Not applicable.
- (NA) - Not available.
- r/ - Revised by 5 percent or more from previously published data.
- (n.s.k.) - Not specified by kind.
- (nehp) - Net engine horsepower
- (btuh) - British thermal units per hour
- (pt.) Part.
- Represents zero.

Estimation symbols - Percent of estimation for each item is indicated as follows:

- a/ - 10 to 19 percent of this item has been estimated.
- b/ - 20 to 29 percent of this item has been estimated.
- c/ - 30 to 49 percent of this item has been estimated.
- (S) - Withheld because estimates did not meet publication standards.

## HISTORICAL NOTE

The Census Bureau has collected data on antifriction bearings since 1972.

Historical Current Industrial Reports data may be obtained from a Federal Depository Library. To locate a Federal Depository Library in your area, please visit <http://www.gpoaccess.gov/libraries.html>.