

U.S. Census Bureau
Antifriction Bearings - 2009
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Address inquiries concerning these data to Primary Goods Industries Branch, U.S. Department of Commerce, Census Bureau, Manufacturing and Construction Division, Washington, DC 20233-6900, or call Brenda F. Campbell at (301) 763-1031.

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Table 1. Value of Shipments of Antifriction Ball and Roller Bearings, Components, and Parts: 2009 to 2005
 [Value in millions of dollars]

Product class code	Product description	Year		Value
3329911	Ball bearings, complete, unmounted	2009	c/	1,742.8
		2008	c/	2,014.3
		2007	a/	2,058.9
		2006		1,932.8
		2005		1,940.9
3329913	Tapered roller bearings, including cups and cones, unmounted 1/	2009		2,930.0
		2008		(D)
		2007		(D)
		2006		1,958.3
		2005		2,010.5
3329915	Roller bearings (except tapered), unmounted 1/	2009		(D)
		2008	a/	1,330.9
		2007		1,324.2
		2006		1,139.0
		2005		1,132.8
3329917	Mounted bearings (except plain)	2009	c/	412.7
		2008	b/	493.8
		2007	b/	500.3
		2006		554.5
		2005		578.0
3329919	Parts and components for ball and roller bearings (except cups and cones), including balls and rollers, sold separately	2009		426.7
		2008		796.3
		2007		715.5
		2006		652.4
		2005		668.0

Footnotes:

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

Table 2. Domestic Quantity and Value of Shipments of Antifriction Ball and Roller Bearings, Components, and Parts: 2009 and 2008
 [Quantity in thousands of units. Value in thousands of dollars]

Product code	Product description	Year	No. of cos.	Quantity		Value	
3329911	Ball bearings, complete, unmounted	2009	(X)	a/	161,392	c/	1,742,790
		2008		c/	226,546	c/	2,014,318
3329911101	Ball bearings, complete, annular, ground or precision, single-row conrad, miniature regular (ABEC 1 and 3)	2009	4	a/	1,697	c/	6,223
		2008			(D)		(D)
3329911102	Ball bearings, complete, annular, ground or precision, single-row conrad, miniature precision (ABEC 5 and up)	2009	4		(D)		(D)
		2008		b/	4,298		24,832
3329911103	Ball bearings, complete, annular, ground or precision, single-row conrad, other regular, 9 mm outside diameter through 30 mm outside diameter	2009	5		(D)		(D)
		2008			(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	2009	9		35,523	b/	71,726
		2008			53,742		99,873
3329911105	Ball bearings, complete, annular, ground or precision, single-row conrad, other regular, over 52 mm outside diameter through 100 mm outside diameter	2009	9		12,947	b/	97,242
		2008			18,426		127,543
3329911107	Ball bearings, complete, annular, ground or precision, single-row conrad, other regular, 9 mm outside diameter through 30 mm outside diameter	2009	11	a/	2,415		177,037
		2008			2,219		144,486
3329911109	Ball bearings, complete, annular, ground or precision, single-row conrad, other precision, 9 mm outside diameter through 30 mm outside diameter	2009	3		(D)		(D)
		2008			(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	2009	5	b/	523	b/	57,906
		2008			501		44,023
3329911112	Ball bearings, complete, annular, ground or precision, single-row conrad, other precision, over 52 mm outside diameter through 100 mm outside diameter	2009	5		169	c/	35,526
		2008			225		39,587
3329911113	Ball bearings, complete, annular, ground or precision, single-row conrad, other precision, over 100 mm outside diameter	2009	5		78	b/	57,575
		2008			115		63,549
3329911114	Ball bearings, complete, annular, ground or precision single-row maximum capacity type	2009	5	a/	851	c/	28,064
		2008			980		26,298
3329911118	Ball bearings, complete, annular, integral shaft and integral spindal ball bearings	2009	4		(D)		(D)
		2008			(D)		(D)
3329911120	Ball bearings, complete, annular, ground or precision, double row	2009	9		25,776	c/	368,623
		2008		r/	38,123		521,818
3329911119	Ball bearings, complete, annular, ground or precision, angular contact, regular	2009	8	c/	700		157,518
		2008			783		148,984
3329911123	Ball bearings, complete, annular, ground or precision, angular contact, precision	2009	5	b/	1,638	a/	66,063
		2008			1,912	r/	79,782
3329911124	Ball bearings, complete, annular, other ground or precision bearings	2009	4	b/	272		3,541
		2008			(D)		(D)
3329911127	Ball bearings, complete, annular, other ground or precision bearings of less than ABEC 1 precision	2009	2		(D)		(D)
		2008			(D)		(D)
3329911129	Ball bearings, complete, annular, unground (less than ABEC 1)	2009	12		33,793	a/	52,006
		2008			53,905	a/	75,044
3329911133	Thrust ball bearings, complete, ground	2009	8	a/	616		8,801
		2008			(D)		(D)
3329911135	Thrust ball bearings, complete, unground	2009	4		4,567		7,167
		2008			5,306		9,634

3329911155	Other ball bearings	2009 2008	15		20,123 21,539	a/r/	277,332 275,675
3329913	Tapered roller bearings, including cups and cones, unmounted	2009 2008	(X)	1/	1,058,039 (D)	1/	2,930,305 (D)
3329913132	Tapered roller bearings, cup and cone assemblies shipped as a set	2009 2008	10		(D) (D)		(D) (D)
3329913133	Tapered roller bearings, cups shipped separately	2009 2008	7		(D) (D)		(D) (D)
3329913134	Tapered roller bearings, cone assemblies shipped separately	2009 2008	6		(D) (D)		(D) (D)
3329915	Roller bearings (except tapered), unmounted	2009 2008	(X)		(D) (S)	a/	(D) 1,330,883
3329915111	Cylindrical roller bearings, regular (ABEC 1 and 3)	2009 2008	14		(D) (D)		(D) (D)
3329915112	Cylindrical roller bearings, precision (ABEC 5 and up)	2009 2008	6		223 229	c/	128,703 113,410
3329915124	Spherical roller bearings, including hourglass and barrel, single-row	2009 2008	5		(D) (D)		(D) (D)
3329915125	Spherical roller bearings, including hourglass and barrel, double-row	2009 2008	6		(D) (D)		(D) (D)
3329915141	Needle roller bearings	2009 2008	7		(D) 788,093		(D) 443,690
3329915193	Other roller bearings	2009 2008	10		(D) (D)		(D) (D)
3329917	Mounted bearings (except plain)	2009 2008	(X)	b/ b/	5,676 6,889	c/ b/	412,738 493,837
3329917117	Ball bearings, unit and/or split-mounted	2009 2008	9	a/ a/	4,841 5,921	a/ a/	201,692 248,166
3329917153	Roller, unit mounted	2009 2008	7	c/ c/	648 747	c/ c/r/	162,128 181,075
3329917155	Roller, split-mounted	2009 2008	4		(S) (S)		(S) (S)
3329919	Parts and components for ball and roller bearings (except cups and cones), including balls and rollers sold separately	2009 2008	(X)		(X) (X)		426,664 796,313
3329919111	Balls (millions of units)	2009 2008	15		4,136 5,766	a/r/	112,027 218,655
3329919121	Other antifriction ball bearing components and parts, including unassembled ball bearings, cages, races, seals, shields, etc. (except balls)	2009 2008	15		(X) (X)		82,034 125,304
3329919131	Rollers (millions of units)	2009 2008	7		7,867 11,254		80,047 162,866
3329919135	Roller bearing parts and components for tapered roller bearings (except cup cone assemblies)	2009 2008	4		(X) (X)	a/ a/	17,994 169,281
3329919136	Roller bearing parts and components for cylindrical roller bearings	2009 2008	4		(X) (X)		(D) (D)
3329919137	Roller bearing parts and component for spherical roller bearings	2009 2008	2		(X) (X)		(D) (D)
3329919149	Roller bearing parts and component for other roller bearings	2009 2008	7		(X) (X)	a/	15,597 27,416
3329919159	Housings and parts and components for housings, including housing closures, collars, spacers, sleeves, adapters, and other miscellaneous items	2009 2008	7		(X) (X)		52,418 66,256

Footnotes:

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

Table 3. Shipments, Exports, and Imports, of Antifriction Ball and Roller Bearings, Components, and Parts 2009 and 2008
[Quantity in thousands of units. Value and duty in thousands of dollars]

Product code 1/	Product description	Year	Manufacturers' shipments quantity	Manufacturers' shipments (value f.o.b. plant)	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)	2009	(D)	(D)	485	5,417	18,217	12,443
		2008	(D)	(D)	435	5,281	24,031	16,658
332991200T	Ball bearings, complete annular, ground or precision, single-row conrad, other regular and precision 9 mm outside diameter through 30 mm outside diameter	2009	7,267 b/	66,512	225	15,761	106,944	50,767
		2008	10,633	80,734	319	23,862	170,751	77,853
332991300T	Ball bearings, complete annular, ground or precision, single-row conrad, other regular, over 30 mm outside diameter through 52 mm outside diameter	2009	36,046 b/	129,632	499	22,692	128,329	100,617
		2008	54,243	143,896	408	24,902	200,727	146,829
332991400T	Ball bearings, complete annular, ground or precision, single-row conrad, other regular over 52 mm outside diameter through 100 mm outside diameter	2009	13,116 c/	132,768	305	20,366	26,025	89,891
		2008	18,651	167,130	622	29,945	47,925	144,605
332991500T	Ball bearings, complete annular, ground or precision, single-row conrad, other regular, over 100 mm outside diameter	2009 a/	2,493	234,612	61	21,743	3,131	63,998
		2008	2,334	208,035	101	31,069	6,289	79,412
3329911114	Ball bearings, complete annular, ground or precision, single-row maximum capacity type	2009 a/	851 c/	28,064	102	7,151	6,444	18,378
		2008	980	26,298	136	8,651	9,883	22,942
3329911118	Ball bearings, complete, integral shaft and integral spindle ball bearings	2009	(D)	(D)	1,215	38,991	10,742	28,175
		2008	(D)	(D)	1,559	51,570	16,976	39,006
3329911120	Ball bearings, complete, annular, ground or precision, double-row	2009	25,776 c/	368,623	59	7,393	4,085	20,774
		2008 t/	38,123	521,818	100	10,398	6,580	21,138
332991600T	Ball bearings, complete, annular, ground or precision, angular contact, regular and precision	2009 b/	2,338	223,581	6,277	96,447	10,782	119,454
		2008	2,696 t/	228,766	8,319	106,184	14,118	156,399
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	2009	(D)	(D)	946	19,627	7,351	5,425
		2008	60,507	99,684	4,373	20,935	13,829	12,901
3329911133	Ground thrust ball bearings	2009 a/	616	8,801	268	33,813	3,068	17,173
		2008	(D)	(D)	306	31,548	2,364	23,329
3329911155	Other ball bearings	2009	20,123	277,332	2,654	129,487	7,935	56,542
		2008	21,539 a/t/	275,675	4,109	184,500	9,948	102,352
3329913132	Tapered roller bearings, including cups and cones, unmounted, cup and cone assemblies shipped as a set	2009	(D)	(D)	3,740	209,673	20,314	142,488
		2008	(D)	(D)	5,665	261,495	27,092	185,780
3329913133	Tapered roller bearings, including cups and cones, unmounted, cups shipped separately	2009	(D)	(D)	3,112	31,755	26,611	49,633
		2008	(D)	(D)	4,162	35,077	76,571	139,479
3329913134	Tapered roller bearings, including cups and cones, unmounted, cone assemblies shipped separately	2009	(D)	(D)	8,594	112,736	23,774	87,120
		2008	(D)	(D)	23,594	263,105	62,002	174,575
332991800T	Cylindrical roller bearings, regular (ABEC 1 and 3) and precision (ABEC 5 and up)	2009	(D)	(D)	1,620	107,784	29,928	243,388
		2008	(D)	(D)	2,498	132,111	35,806	278,402
3329915124	Spherical roller bearings, including hourglass and barrel, single-row	2009	(D)	(D)	230	22,898	254	12,440
		2008	(D)	(D)	122	19,236	336	13,126
3329915125	Spherical roller bearings, including hourglass and barrel, double-row	2009	(D)	(D)	184	45,251	676	80,363
		2008	(D)	(D)	194	49,170	1,167	97,813
3329915141	Spherical roller bearings, including hourglass and barrel, needle rolling bearings	2009	(D)	(D)	21,313	46,082	76,516	54,051
		2008	788,093	443,690	8,604	79,915	114,464	78,287
3329915193	Spherical roller bearings, including hourglass and barrel, other roller bearings, n.e.c.	2009	(D)	(D)	1,058	112,052	2,361	12,593
		2008	(D)	(D)	1,369	111,903	3,819	25,817
3329917117	Mounted bearings (except plain), ball bearings, unit and/or split mounted	2009 a/	4,841 a/	201,692	453	26,851	13,668	39,671
		2008 a/	5,921 a/	248,166	587	36,902	20,330	60,903
332991900T	Mounted bearings (except plain), roller bearings, unit and split mounted	2009	(S)	(S)	84	16,962	564	6,810
		2008 c/	969 c/	245,671	103	21,329	581	6,384
3329919111	Balls (millions of units)	2009	4,136	112,027	(X)	29,120	2,857	14,336
		2008	5,766 a/t/	218,655	(X)	36,680	6,067	27,976
3329919121	Other antifriction ball bearings components and parts, including unassembled ball bearings, cages, races, seals, shields, etc. (except balls)	2009	(X)	82,034	(X)	34,747	120,931	106,593
		2008	(X)	125,304	(X)	55,618	209,441	190,755
3329919131	Rollers (millions of units)	2009	7,867	80,047	(X)	40,471	2,650	30,610
		2008	11,254	162,866	(X)	69,677	5,283	50,510
3329919135	Roller bearing parts and components (except rollers) for tapered roller bearings (except cup and cone assemblies)	2009	(X) a/	17,994	(X)	24,599	(X)	29,519
		2008	(X) a/	169,281	(X)	73,399	(X)	89,739
3329919136	Roller bearing parts and components (except rollers) for cylindrical roller bearings	2009	(X)	(D)	(X)	6,274	(X)	28,826
		2008	(X)	(D)	(X)	5,980	(X)	33,459
3329919137	Roller bearing parts and components (except rollers) for spherical roller bearings	2009	(X)	(D)	(X)	8,371	(X)	17,617
		2008	(X)	(D)	(X)	5,624	(X)	26,936
3329919149	Roller bearing parts and components (except rollers) for other roller bearings	2009	(X) a/	15,597	(X)	33,537	(X)	12,330
		2008	(X)	27,416	(X)	37,947	(X)	24,688
3329919159	Housings and parts and components for housing, including housing closures, collars, spacers, sleeves, adapters, and other miscellaneous items	2009	(X)	52,418	(X)	42,555	(X)	87,671
		2008	(X)	66,256	(X)	47,722	(X)	113,465

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: 2009

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 and/or split mounted	8483.20.0010	8483.20.4040 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: 2009 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 (2009).

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>.