

Apparant Consumption of Major Ball and Roller Bearing Products, 1992-1999

(value and quantity in thousands)

		1992	1993	1994	1995	1996	1997	1998	1999	2000
All Ball and Roller Bearings and Parts										
U.S. Manufactured	value	\$4,164,612	\$4,331,080	\$4,693,853	\$5,202,961	\$5,487,967	\$5,712,546	\$5,800,123	\$5,795,637	\$0
Exports	value	\$639,635	\$638,739	\$714,329	\$872,896	\$893,838	\$979,594	\$981,909	\$979,988	\$1,068,934
Imports	value	\$883,473	\$991,587	\$1,154,623	\$1,361,656	\$1,371,466	\$1,440,918	\$1,525,808	\$1,403,592	\$1,559,221
Trade Balance	value	-\$243,838	-\$352,848	-\$440,294	-\$488,760	-\$477,628	-\$461,324	-\$543,899	-\$423,604	-\$490,287
Apparent Cons.	value	\$4,408,450	\$4,683,928	\$5,134,147	\$5,691,721	\$5,965,595	\$6,173,870	\$6,344,022	\$6,219,241	\$0
% Imported		20.04%	21.17%	22.49%	23.92%	22.99%	23.34%	24.05%	22.57%	
Bearing Parts, total										
U.S. Manufactured	value	\$440,417	\$467,006	\$535,120	\$589,459	\$614,263	\$663,011	\$617,118	\$605,270	\$0
Exports	value	\$69,971	\$68,589	\$73,706	\$92,591	\$87,055	\$94,298	\$90,120	\$94,176	\$104,813
Imports	value	\$73,646	\$81,992	\$58,976	\$61,488	\$58,480	\$65,891	\$58,910	\$66,022	\$55,933
Trade Balance	value	-\$3,676	-\$13,404	\$14,730	\$31,103	\$28,575	\$28,407	\$31,210	\$28,154	\$48,879
Apparent Cons.	value	\$444,093	\$480,410	\$520,390	\$558,356	\$585,688	\$634,604	\$585,908	\$577,116	\$0
% Imported		16.58%	17.07%	11.33%	11.01%	9.98%	10.38%	10.05%	11.44%	
Ball and Roller Bearings, Complete										
U.S. Manufactured	value	\$3,724,195	\$3,864,074	\$4,158,733	\$4,613,502	\$4,873,704	\$5,049,535	\$5,183,005	\$5,190,367	\$0
Exports	value	\$529,740	\$524,133	\$584,720	\$693,015	\$702,572	\$790,740	\$777,013	\$775,308	\$836,663
Imports	value	\$749,061	\$835,957	\$930,078	\$1,085,450	\$1,115,667	\$1,164,686	\$1,223,987	\$1,136,237	\$1,247,809
Trade Balance	value	-\$219,321	-\$311,823	-\$345,358	-\$392,435	-\$413,095	-\$373,946	-\$446,974	-\$360,929	-\$411,145
Apparent Cons.	value	\$3,943,516	\$4,175,897	\$4,504,091	\$5,005,937	\$5,286,799	\$5,423,481	\$5,629,979	\$5,551,296	\$0
% Imported		18.99%	20.02%	20.65%	21.68%	21.10%	21.47%	21.74%	20.47%	
U.S. Manufactured	number	1,178,054	1,234,010	1,472,281	1,491,358	1,520,577	1,601,844	1,621,845	1,703,501	0
Unit Exports	number	118,853	116,204	121,975	153,869	138,794	150,998	140,953	141,992	163,605
Unit Imports	number	492,901	564,734	583,188	629,739	677,004	719,687	743,247	768,805	839,669
Unit Trade Balance	number	-374,048	-448,530	-461,213	-475,871	-538,210	-568,689	-602,294	-626,813	-676,064
Apparent Cons.	number	1,552,102	1,682,539	1,933,494	1,967,229	2,058,786	2,170,533	2,224,139	2,330,314	0
% Imported		31.76%	33.56%	30.16%	32.01%	32.88%	33.16%	33.42%	32.99%	

note: Bearing Parts are mostly double counted. Parts are generally sold to U.S. ball and roller bearing manufacturers and incorporated into finished bearings, which are then sold again. Exceptions, where double counting does not occur, include exports, parts replacement markets, and minor amounts shipped to other industries, such as the industrial gear sector and plain or sliding bearings.

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(value and quantity in thousands)

		1992	1993	1994	1995	1996	1997	1998	1999	2000
Ball Bearings, total										
U.S. Manufactured	value	\$1,484,233	\$1,616,751	\$1,676,202	\$1,885,700	\$1,989,073	\$2,085,366	\$2,024,152	\$1,951,653	\$0
Exports	value	\$212,381	\$210,264	\$237,244	\$285,664	\$256,586	\$271,876	\$264,268	\$256,232	\$290,915
Imports	value	\$475,380	\$537,135	\$617,607	\$717,467	\$733,987	\$754,589	\$779,793	\$744,241	\$817,890
Trade Balance	value	-\$262,999	-\$326,870	-\$380,363	-\$431,803	-\$477,402	-\$482,713	-\$515,525	-\$488,009	-\$526,975
Apparent Cons.	value	\$1,747,232	\$1,943,621	\$2,056,565	\$2,317,503	\$2,466,475	\$2,568,079	\$2,539,677	\$2,439,662	\$0
% Imported		27.21%	27.64%	30.03%	30.96%	29.76%	29.38%	30.70%	30.51%	
Tapered Roller Bearings, total										
U.S. Manufactured	value	\$935,573	\$1,001,037	\$1,139,236	\$1,283,106	\$1,408,772	\$1,420,860	\$1,538,793	\$1,589,534	\$0
Exports	value	\$161,731	\$164,175	\$172,983	\$200,480	\$224,517	\$260,496	\$234,753	\$232,892	\$256,999
Imports	value	\$120,441	\$130,991	\$120,266	\$156,361	\$153,183	\$157,744	\$182,578	\$164,256	\$157,359
Trade Balance	value	\$41,290	\$33,183	\$52,717	\$44,119	\$71,335	\$102,752	\$52,175	\$68,636	\$99,639
Apparent Cons.	value	\$894,283	\$967,854	\$1,086,519	\$1,238,987	\$1,337,437	\$1,318,108	\$1,486,618	\$1,520,898	\$0
% Imported		13.47%	13.53%	11.07%	12.62%	11.45%	11.97%	12.28%	10.80%	
Roller Bearings, total										
U.S. Manufactured	value	\$773,133	\$806,900	\$935,545	\$985,999	\$1,017,413	\$1,117,246	\$1,169,428	\$1,201,821	\$0
Exports	value	\$88,579	\$80,435	\$88,918	\$115,811	\$121,263	\$147,538	\$150,130	\$156,497	\$141,235
Imports	value	\$124,088	\$133,023	\$154,717	\$170,526	\$188,134	\$209,058	\$217,402	\$177,293	\$210,322
Trade Balance	value	-\$35,509	-\$52,587	-\$65,799	-\$54,715	-\$66,871	-\$61,520	-\$67,271	-\$20,796	-\$69,087
Apparent Cons.	value	\$808,642	\$859,487	\$1,001,344	\$1,040,714	\$1,084,284	\$1,178,766	\$1,236,699	\$1,222,617	\$0
% Imported		15.35%	15.48%	15.45%	16.39%	17.35%	17.74%	17.58%	14.50%	
Ball Bearings, total										
U.S. Manufactured	number	534,878	518,987	585,777	583,412	591,799	608,508	604,431	602,669	0
Unit Exports	number	67,083	65,338	69,663	88,159	81,257	88,830	83,737	86,845	97,734
Unit Imports	number	378,888	435,183	475,567	531,363	582,550	614,485	635,042	646,948	704,933
Unit Trade Balance	number	-311,806	-369,845	-405,905	-443,204	-501,292	-525,655	-551,305	-560,104	-607,199
Apparent Cons.	number	846,684	888,832	991,682	1,026,616	1,093,091	1,134,163	1,155,736	1,162,773	0
% Imported		44.75%	48.96%	47.96%	51.76%	53.29%	54.18%	54.95%	55.64%	
Tapered Roller Bearings, total										
U.S. Manufactured	number	108,985	121,692	137,388	133,365	126,947	132,311	131,629	133,923	0
Unit Exports	number	36,496	36,374	37,523	46,387	39,171	40,259	39,140	36,055	41,558
Unit Imports	number	73,646	81,992	58,976	61,488	58,480	65,891	58,910	66,022	55,933
Unit Trade Balance	number	-37,150	-45,619	-21,453	-15,101	-19,308	-25,633	-19,770	-29,967	-14,375
Apparent Cons.	number	146,135	167,310	158,841	148,466	146,255	157,944	151,399	163,890	0
% Imported		50.40%	49.01%	37.13%	41.42%	39.98%	41.72%	38.91%	40.28%	
Roller Bearings, total										
U.S. Manufactured	number	522,783	582,153	738,657	764,182	792,635	849,063	876,428	957,923	0
Unit Exports	number	14,216	13,627	13,586	18,102	17,136	20,606	16,554	17,872	21,897
Unit Imports	number	34,284	41,457	39,920	30,389	29,581	31,776	41,106	44,494	67,236
Unit Trade Balance	number	-20,068	-27,830	-26,334	-12,287	-12,445	-11,170	-24,553	-26,622	-45,340

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(value and quantity in thousands)

		1992	1993	1994	1995	1996	1997	1998	1999	2000
Apparent Cons.	number	542,851	609,983	764,991	776,469	805,080	860,233	900,981	984,545	0
% Imported		6.32%	6.80%	5.22%	3.91%	3.67%	3.69%	4.56%	4.52%	
Mounted Bearings, Ball and Roller Type, total										
U.S. Manufactured	value	\$531,256	\$439,386	\$407,750	\$458,697	\$458,446	\$426,063	\$450,632	\$447,359	\$0
Exports	value	\$24,707	\$22,009	\$28,550	\$28,972	\$26,596	\$31,692	\$32,686	\$31,646	\$39,860
Imports	value	\$22,827	\$30,160	\$32,027	\$35,462	\$32,809	\$34,196	\$31,810	\$35,275	\$44,609
Trade Balance	value	\$1,880	-\$8,150	-\$3,478	-\$6,490	-\$6,214	-\$2,504	\$876	-\$3,629	-\$4,749
Apparent Cons.	value	\$529,376	\$447,536	\$411,228	\$465,187	\$464,660	\$428,567	\$449,756	\$450,988	\$0
% Imported		4.31%	6.74%	7.79%	7.62%	7.06%	7.98%	7.07%	7.82%	
U.S. Manufactured	number	11,408	11,178	10,459	10,399	9,196	9,240	9,357	8,986	0
Unit Exports	number	529	433	602	610	615	651	761	610	1,208
Unit Imports	number	4,887	5,413	6,526	6,077	5,540	5,908	4,510	5,631	7,324
Unit Trade Balance	number	-4,358	-4,980	-5,924	-5,466	-4,925	-5,257	-3,749	-5,021	-6,116
Apparent Cons.	number	15,766	16,158	16,383	15,865	14,121	14,497	13,106	14,007	0
% Imported		31.00%	33.50%	39.83%	38.30%	39.23%	40.76%	34.41%	40.20%	
Other Bearings, Combination Type, total										
Exports	value	\$42,341	\$47,249	\$57,026	\$62,088	\$73,610	\$79,138	\$95,175	\$98,042	\$107,654
Imports	value	\$6,324	\$4,648	\$5,461	\$5,634	\$7,554	\$9,099	\$12,404	\$15,171	\$17,629
Trade Balance	value	\$36,017	\$42,601	\$51,565	\$56,454	\$66,056	\$70,038	\$82,771	\$82,870	\$90,025
Apparent Cons.	n/a									
% Imported										
Unit Exports	number	529	433	602	610	615	651	761	610	1,208
Unit Imports	number	1,195	688	2,198	422	853	1,626	3,679	5,710	4,243
Unit Trade Balance	number	-666	-256	-1,596	188	-238	-975	-2,918	-5,099	-3,035
Apparent Cons.	n/a									
% Imported										