

Selected Original Equipment Manufacturers Purchases of Ball and Roller Bearings
(1992 and 1997)

SIC	Purchaser Description	B&R Bearings	Ball Bearings	Roller Bearings	Bearing Parts	1992 Total	% of 1992 Tot.
3511	Steam, Gas, and Hydraulic Turbines		\$4,500			\$4,500	0.19%
3519	Internal Combustion Engines, Stationary		\$16,900	\$15,200		\$32,100	1.34%
3523	Farm Machinery and Equipment		\$53,900	\$36,300		\$90,200	3.76%
3523							
3524	Lawn and Garden Tractors and Equipment		\$28,000	\$4,200		\$32,200	1.34%
3531	Construction Machinery and Equipment		\$63,700	\$64,600		\$128,300	5.34%
3532	Mining Machinery and Equipment		\$7,000	\$12,500		\$19,500	0.81%
3533	Oil and Gas Field Machinery and Equipment	\$13,000				\$13,000	0.54%
3534	Elevators and Moving Stairways		\$4,900	\$4,000		\$8,900	0.37%
3535	Conveyors and Conveying Equipment		\$32,100	\$21,000		\$53,100	2.21%
3536	Overhead Traveling Cranes, Hoists, and Monorail Systems	\$6,100				\$6,100	0.25%
3537	Industrial Trucks, Tractors, Trailers, and Stackers		\$21,000	\$9,500		\$30,500	1.27%
3541	Machine Tools, Metal Cutting Types		\$18,600	\$7,300		\$25,900	1.08%
3542	Machine Tools, Metal Forming Types		\$4,300	\$2,900		\$7,200	0.30%
3546	Power Driven Handtools	\$46,000				\$46,000	1.92%
3547	Rolling Mill Machinery and Equipment		\$0	\$2,500		\$2,500	0.10%
3548	Electric and Gas Welding and Soldering Equipment		\$4,300	\$1,400		\$5,700	0.24%
3549	Other Metalworking Machinery		\$4,300	\$3,400		\$7,700	0.32%
3552	Textile Machinery		\$6,400	\$1,800		\$8,200	0.34%
3553	Woodworking Machinery		\$7,200	\$2,300		\$9,500	0.40%
3554	Paper Industries Machinery		\$8,200	\$7,800		\$16,000	0.67%
3555	Printing Trades Machinery and Equipment		\$16,600	\$7,800		\$24,400	1.02%
3556	Food Products Machinery	\$12,500				\$12,500	0.52%
3559	Special Industry Machinery	\$42,400				\$42,400	1.77%
3561	Pumps and Pumping Equipment	\$19,900				\$19,900	0.83%
3562	Ball and Roller Bearings		\$16,000	\$17,600	\$376,000	\$409,600	17.06%
3563	Air and Gas Compressors	\$19,500				\$19,500	0.81%
3564	Industrial and Commerical Fans and Blowers	\$20,700				\$20,700	0.86%
3565	Packaging Machinery	\$17,000				\$17,000	0.71%

Source: Bureau of the Census,
1992 and 1997 Economic Census

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3566	Speed Changers, Industrial High-Speed Drives, and Gears		\$16,200	\$22,900	\$1,400	\$40,500	1.69%
3568	Mechanical Power Transmission Equipment		\$10,400	\$5,500		\$15,900	0.66%
3569	General Industrial Machinery and Equipment	\$13,000				\$13,000	0.54%
3585	Air Conditioning, Heating and Refrigeration Equipment	\$46,000				\$46,000	1.92%
3586	Measuring and Dispensing Pumps	\$2,100				\$2,100	0.09%
3593	Fluid Power Cylinders and Actuators		\$1,100	\$800		\$1,900	0.08%
3594	Fluid Power Pumps and Motors		\$5,300	\$13,000		\$18,300	0.76%
3621	Electrical Motors and Generators	\$62,100				\$62,100	2.59%
3694	Electrical Equipment for Internal Combustion Engines	\$37,200				\$37,200	1.55%
3711	Motor Vehicle and Passenger Car Bodies	\$13,500				\$13,500	0.56%
3714	Motor Vehicle Parts and Accessories		\$285,900	\$615,300		\$901,200	37.53%
3714							
3714							
3714							
3714							
3714							
3728	Aircraft Parts and Auxiliary Equipment	\$48,900				\$48,900	2.04%
3743	Railroad Equipment			\$87,800		\$87,800	3.66%
		\$419,900	\$636,800	\$967,400	\$377,400	\$2,401,500	100.00%

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NAICS	Purchaser Description	Ball Bearings	Roller Bearings	Bearing Parts	1997 Total	% of 1997 Tot.	from prior pg. 1992 Total
333611	Turbine and Turbine Generator Set Unit Manufacturing	\$0	\$0		\$0	0.00%	\$4,500
333618	Other Engine Equipment Manufacturing	\$18,127	\$23,206		\$41,333	1.47%	\$32,100
333111	Farm Machinery and Equipment Manufacturing	\$76,395	\$62,793		\$139,188	4.93%	\$90,200
333922	Conveyor and Conveying Equipment Manufacturing						
333112	Lawn and Garden Tractor and Home Lawn and Garden	\$25,820	\$15,369		\$41,189	1.46%	\$32,200
33312	Construction Machinery Manufacturing	\$85,445	\$74,703		\$160,148	5.68%	\$128,300
333131	Mining Machinery and Equipment Manufacturing	\$5,879	\$17,296		\$23,175	0.82%	\$19,500
							\$13,000
333921	Elevator and Moving Stairway Manufacturing	\$8,761	\$4,728		\$13,489	0.48%	\$8,900
333922	Conveyor and Conveying Equipment Manufacturing	\$71,713	\$56,480		\$128,193	4.54%	\$53,100
							\$6,100
333924	Industrial Truck, Tractor, Trailer and Stacker	\$22,350	\$51,747		\$74,097	2.63%	\$30,500
333512	Machine Tool (Metal Cutting Types) Manufacturing	\$32,198	\$8,298		\$40,496	1.44%	\$25,900
333513	Machine Tool (Metal Forming Types) Manufacturing	\$9,029	\$9,425		\$18,454	0.65%	\$7,200
							\$46,000
333516	Rolling Mill Machinery and Equipment Manufacturing	\$9,582	\$5,694		\$15,276	0.54%	\$2,500
333992	Welding and Soldering Equipment Manufacturing	\$8,486	\$3,110		\$11,596	0.41%	\$5,700
333518	Other Metalworking Machinery Manufacturing	\$12,315	\$6,858		\$19,173	0.68%	\$7,700
333292	Textile Machinery Manufacturing	\$7,174	\$3,041		\$10,215	0.36%	\$8,200
33321	Sawmill and Woodworking Machinery Manufacturing	\$9,112	\$5,170		\$14,282	0.51%	\$9,500
333291	Paper Industry Machinery Manufacturing	\$16,940	\$22,651		\$39,591	1.40%	\$16,000
333293	Printing Machinery and Equipment Manufacturing	\$17,897	\$15,554		\$33,451	1.19%	\$24,400
							\$12,500
							\$42,400
							\$19,900
332991	Ball and Roller Bearing Manufacturing	\$51,947	\$0	\$601,417	\$653,364	23.16%	\$409,600
							\$19,500
							\$20,700
							\$17,000

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NAICS	Purchaser Description	Ball Bearings	Roller Bearings	Bearing Parts	1997 Total	% of 1997 Tot.	from prior pg. 1992 Total
333612	Speed Changer, Industrial High-Speed Drive and Gear	\$22,082	\$41,914	\$6,021	\$70,017	2.48%	\$40,500
333613	Mechanical Power Transmission Equipment	\$25,074	\$17,562	\$26,175	\$68,811	2.44%	\$15,900
							\$13,000
							\$46,000
							\$2,100
333995	Fluid Power Cylinder and Actuator Manufacturing	\$3,061	\$0		\$3,061	0.11%	\$1,900
333996	Fluid Power Pump and Motor Manufacturing	\$8,997	\$20,597		\$29,594	1.05%	\$18,300
							\$62,100
336322	Other Motor Vehicle Electrical and Electronic						\$37,200
							\$13,500
336312	Gasoline Engine and Engine Parts Manufacturing	\$161,800	\$38,914		\$200,714	7.12%	
336322	Other Motor Vehicle Electrical and Electronic	\$12,038	\$0		\$12,038	0.43%	
33633	Motor Vehicle Steering and Suspension Components	\$116,986	\$77,122		\$194,108	6.88%	
33634	Motor Vehicle Brake System Manufacturing	\$0	\$0		\$0		
33635	Motor Vehicle Transmission and Power Train Parts	\$224,132	\$368,526		\$592,658	21.01%	
336399	All Other Motor Vehicle Parts Manufacturing	\$52,523	\$13,295		\$65,818	2.33%	
	Total Motor Vehicle	\$567,479	\$497,857		\$1,065,336	37.77%	\$901,200
							\$48,900
33651	Railroad Rolling Stock Manufacturing		\$107,369		\$107,369	3.81%	\$87,800
		\$1,683,342	\$1,569,279	\$633,613	\$2,820,898	100.00%	\$2,401,500