

**BOLTS, NUTS, AND LARGE SCREWS OF IRON OR STEEL:
U.S. PRODUCTION, SHIPMENTS,
IMPORTS, EXPORTS,
APPARENT CONSUMPTION,
EMPLOYMENT, MAN-HOURS,
AND PRICES, THIRD AND
FOURTH CALENDAR
QUARTERS 1978 AND
FIRST CALENDAR
QUARTER 1979**

**Report to the President on
Investigation No. 332-103
Under Section 332 of
the Tariff Act of 1930**



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UNITED STATES INTERNATIONAL TRADE COMMISSION

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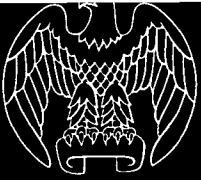
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NEWS

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USITC REPORTS RESULTS OF QUARTERLY SURVEY OF PRODUCERS OF BOLTS, NUTS, AND LARGE SCREWS OF IRON OR STEEL

The United States International Trade Commission has completed its first quarterly survey of U.S. producers of bolts, nuts, and large screws of iron or steel, required under Presidential Proclamation No. 4632. The report, which provides information on an annual and monthly basis, is necessary for the monitoring of the effects of temporary increases in duties on imports. The information developed covers U.S. production, U.S. producers' shipments, imports for consumption, exports, apparent consumption, employment, man-hours, and prices.

Major findings of the survey indicate that during the first quarter of 1979, U.S. producers' shipments, based on quantity, were 16 percent greater than shipments in the fourth quarter of 1978 and 26 percent greater than shipments in the third quarter of 1978. U.S. imports of bolts, nuts, and large screws were 4 percent greater in the first quarter of 1979 when compared with the last quarter of 1978, but were 9 percent less than the quantities imported during the third quarter of 1978. The ratio of imports to consumption declined from 51 percent in the third quarter of 1978 to 46 percent in the fourth quarter of 1978 to 42 percent in the first quarter of 1979. The quantity of U.S. exports during the first quarter of 1979 remained about the same as in each of the two previous quarters.

more

USITC REPORTS RESULTS OF QUARTERLY SURVEY OF PRODUCERS OF BOLTS, NUTS, AND
LARGE SCREWS OF IRON OR STEEL

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The average number of employees engaged in the production of bolts, nuts, and large screws gradually increased from the third quarter of 1978 through the first quarter of 1979. The man-hours expended by these workers followed the same increasing trend.

The average lowest net selling prices received in the first quarter of 1979 by U.S. producers for six representative fastener products were, on an average, about 6 percent higher than prices received during the last two quarters of 1978.

The report is sent to the Special Representative for Trade Negotiations who is responsible for monitoring the effects of the temporary duty increases implemented by the Presidential proclamation.

Copies of the report (USITC Publication 979), can be obtained by calling (202) 523-5178, or from the Office of the Secretary, 701 E Street NW., Washington, D.C. 20436.

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Summary Highlights of the First Quarterly Survey of U.S. Producers
of Bolts, Nuts, and Large Screws of Iron or Steel

Production

From the third quarter of 1978 to the first quarter of 1979, U.S. production of bolts, nuts, and large screws increased approximately 30 percent, from 258 million pounds to 334 million pounds.

U.S. producers' shipments

During the first quarter of 1979, U.S. producers' shipments, based on quantity, were 16 percent greater than shipments in the fourth quarter of 1978 and 26 percent greater than shipments in the third quarter of 1978. U.S. producers' intracompany shipments accounted for approximately 5 percent of total shipments during each of the three quarters under discussion.

Imports for consumption

U.S. imports of bolts, nuts, and large screws were 4 percent greater in the first quarter of 1979 when compared with the last quarter of 1978, but were 9 percent less than the quantities imported during the third quarter of 1978.

Exports

The quantity of bolts, nuts, and large screws exported during the first quarter of 1979 remained about the same, 53 million pounds, as in each of the two previous quarters.

Apparent consumption

Apparent consumption of bolts, nuts, and large screws during the first quarter of 1979 was 464 million pounds, which was about 13 percent greater than in the last quarter of 1978 and 11 percent greater than in the third

quarter of 1978. The ratio of imports to consumption declined from 51 percent in the third quarter of 1978 to 46 percent in the fourth quarter of 1978 to 42 percent in the first quarter of 1979.

Employment and man-hours

The average number of production and related workers engaged in the production of bolts, nuts, and large screws increased continuously during the last two quarters of 1978 and the first quarter of 1979, from 38,100 workers to 41,300 workers. The man-hours expended by these workers followed the same increasing trend during this period.

Prices

The average lowest net selling prices received in the first quarter of 1979 on six representative fastener products were, on an average, about 6 percent higher than prices received during the last two quarters of 1978.

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Table 1.--Bolts, nuts, and large screws of iron or steel: U.S. production
by types, by months, July 1978-March 1979

Period	Bolts and large screws	Nuts	Total
Quantity (thousands of pounds)			
1978:			
July-----	52,048	12,198	64,246
August-----	75,474	21,264	96,738
September-----	78,718	17,898	96,616
October-----	85,488	21,315	106,803
November-----	78,473	21,349	99,822
December-----	79,112	19,181	98,293
1979:			
January-----	86,160	23,338	109,498
February-----	82,889	23,045	105,934
March-----	92,660	26,487	119,147

Source: Compiled from data submitted in response to questionnaires of
the U.S. International Trade Commission.

Table 2.--Bolts, nuts, and large screws of iron or steel: U.S. producers' shipments, imports for consumption, exports of domestic merchandise, and apparent consumption, 1975-78, and specified periods July 1978-March 1979

Period	Producers'	Imports	Exports ^{1/}	Apparent	Ratio (percent) of	
	shipments			consumption	imports to--	Apparent
					Shipments:	consump-
						tion
Quantity (thousands of pounds)						
1975-----	1,050,140	534,796	172,486	1,412,450	51	38
1976-----	1,133,952	704,474	197,269	1,641,157	62	43
1977-----	1,175,563	716,916	218,265	1,674,214	61	43
1978-----	1,151,326	849,313	217,051	1,783,588	74	48
<u>1978</u>						
July-----	67,335	77,074	15,255	129,154	115	60
August-----	93,943	72,349	21,301	144,991	77	50
September-----	94,237	65,380	14,528	145,089	69	45
October-----	100,634	66,751	20,439	146,946	66	45
November-----	92,699	67,107	17,723	142,083	72	47
December-----	83,616	53,181	15,413	121,384	64	44
<u>1979</u>						
January-----	107,364	65,151	16,192	156,323	61	42
February-----	99,152	68,174	17,566	149,760	69	46
March-----	115,276	61,404	19,122	157,558	53	39
Value (thousands of dollars)						
1975-----	947,450	207,795	101,251	1,053,994	22	20
1976-----	986,432	227,390	107,055	1,106,767	23	21
1977-----	1,074,609	256,220	114,252	1,216,577	24	21
1978-----	1,095,332	368,865	133,112	1,331,085	34	28
<u>1978</u>						
July-----	59,224	31,841	8,258	82,807	54	39
August-----	85,074	31,029	10,348	105,755	37	29
September-----	84,806	30,697	9,575	105,928	36	29
October-----	92,098	32,110	12,623	111,585	35	29
November-----	84,565	31,840	10,875	105,530	38	30
December-----	78,146	49,324	10,635	116,835	63	42
<u>1979</u>						
January-----	100,701	31,158	10,382	121,477	31	26
February-----	94,958	34,421	11,041	118,338	36	29
March-----	111,421	29,544	11,926	129,039	27	23

^{1/} Prior to January 1, 1978, exports include bolts, threaded rods and studs, nuts if nuts and bolts are in the same shipment, screws, rivets, washers, and similar articles. It is estimated by the staff of the U.S. International Trade Commission that bolts, nuts, and large screws of iron or steel accounted for approximately 80 percent of total exports.

Source: U.S. producers' shipments, compiled from data submitted in response to questionnaires of the U.S. International Trade Commission; imports and exports, compiled from official statistics of the U.S. Department of Commerce, except as noted.

Table 3.--Bolts, nuts, and large screws of iron or steel: U.S. producers' shipments, by types, 1975-78, and specified periods, July 1978-March 1979

Period	Bolts and large screws	Nuts	Total
Quantity (thousands of pounds)			
1975-----	852,064	198,076	1,050,140
1976-----	912,072	221,880	1,133,952
1977-----	950,607	224,956	1,175,563
1978-----	920,712	230,614	1,151,326
<u>1978</u>			
July-----	54,134	13,201	67,335
August-----	73,633	20,310	93,943
September-----	73,789	20,448	94,237
October-----	76,496	24,138	100,634
November-----	73,258	19,441	92,699
December-----	70,335	13,281	83,616
<u>1979</u>			
January-----	84,191	23,173	107,364
February-----	78,709	20,443	99,152
March-----	90,703	24,573	115,276
Value (thousands of dollars)			
1975-----	684,207	263,243	947,450
1976-----	702,426	284,006	986,432
1977-----	779,917	294,692	1,074,609
1978-----	763,368	331,964	1,095,332
<u>1978</u>			
July-----	42,099	17,125	59,224
August-----	58,327	26,747	85,074
September-----	57,831	26,975	84,806
October-----	59,954	32,144	92,098
November-----	58,323	26,242	84,565
December-----	53,644	24,502	78,146
<u>1979</u>			
January-----	69,450	31,251	100,701
February-----	65,944	29,014	94,958
March-----	77,715	33,706	111,421

Source: Compiled from data submitted in response to questionnaires of the U.S. International Trade Commission.

Table 4.--Bolts, nuts, and large screws of iron or steel: U.S. producers' intracompany shipments, by types, by months, July 1978-March 1979

Period	Bolts and large screws	Nuts	Total
Quantity (thousands of pounds)			
1978:			
July-----	1,736	294	2,030
August-----	3,549	423	3,972
September-----	3,858	412	4,270
October-----	4,479	467	4,946
November-----	4,582	474	5,056
December-----	4,277	651	4,928
1979:			
January-----	4,050	410	4,460
February-----	3,483	395	3,878
March-----	4,662	555	5,217

Source: Compiled from data submitted in response to questionnaires of the U.S. International Trade Commission.

Table 5.--Bolts, nuts, and large screws of iron or steel: U.S. producers' shipments, by types, of imported bolts, nuts, and large screws further processed, by months, July 1978-March 1979

Period	Bolts and large screws	Nuts	Total
Quantity (thousands of pounds)			
1978:			
July-----	-	377	377
August-----	-	643	643
September-----	-	643	643
October-----	-	727	727
November-----	-	657	657
December-----	-	461	461
1979:			
January-----	-	698	698
February-----	-	551	551
March-----	-	822	822

Source: Compiled from data submitted in response to questionnaires of the U.S. International Trade Commission.

Table 6.--Bolts, nuts, and large screws of iron or steel: U.S. imports for consumption, by types, 1975-78, and specified periods, July 1978-March 1979

Period	Bolts and large screws	Nuts	Total
Quantity (thousands of pounds)			
1975-----	329,758	205,038	534,796
1976-----	474,084	230,390	704,474
1977-----	491,140	225,776	716,916
1978-----	571,324	277,989	849,313
<u>1978</u>			
July-----	51,026	26,048	77,074
August-----	45,303	27,046	72,349
September-----	37,430	27,950	65,380
October-----	38,995	27,756	66,751
November-----	41,211	25,896	67,107
December-----	23,825	29,356	53,181
<u>1979</u>			
January-----	37,790	27,391	65,181
February-----	41,955	26,219	68,174
March-----	35,781	25,623	61,404
Value (thousands of dollars)			
1975-----	108,336	99,459	207,795
1976-----	129,297	98,093	227,390
1977-----	156,006	100,214	256,220
1978-----	210,917	157,948	368,865
<u>1978</u>			
July-----	18,611	13,230	31,841
August-----	17,151	13,878	31,029
September-----	16,648	14,049	30,697
October-----	16,573	15,537	32,110
November-----	17,374	14,466	31,840
December-----	32,629	16,695	49,324
<u>1979</u>			
January-----	15,579	15,579	31,158
February-----	20,161	14,260	34,421
March-----	14,397	15,147	29,544

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 7.--Average number of persons employed in U.S. establishments in which bolts, nuts, and large screws were produced, total and production and related workers engaged in the production of all products and of bolts, nuts, and large screws, 1975-78 and specified periods July 1978-March 1979

Period	Production and related workers engaged in the production of--					
	All persons:	All products	Bolts and large screws	Nuts	Total, bolts nuts, and large screws	
1975-----	35,101	26,977	10,290	3,492	13,782	
1976-----	34,339	27,080	10,032	3,435	13,467	
1977-----	35,172	27,642	10,040	3,410	13,450	
1978-----	35,920	27,738	9,982	3,334	13,316	
<u>1978</u>						
July-----	35,072	26,536	9,391	3,142	12,533	
August-----	35,167	26,616	9,678	3,262	12,950	
September-----	35,274	26,755	9,323	3,310	12,633	
October-----	35,822	27,614	9,773	3,312	13,085	
November-----	35,878	27,246	9,863	3,380	13,243	
December-----	36,131	27,491	9,895	3,412	13,307	
<u>1979</u>						
January-----	36,438	27,667	10,063	3,489	13,552	
February-----	37,069	28,203	10,266	3,514	13,780	
March-----	37,125	23,376	10,359	3,585	13,944	

Source: Compiled from data submitted in response to questionnaires of the U.S. International Trade Commission.

Table 8.--Man-hours expended by production and related workers in U.S. establishments in which bolts, nuts, and large screws were produced, 1975-78, and specified periods, July 1978-March 1979

Period	All products	Bolts and large screws	Nuts	Total, bolts, nuts, and large screws
1975-----	54,470	20,636	6,737	27,373
1976-----	55,073	20,643	6,771	27,414
1977-----	56,213	20,715	6,795	27,510
1978-----	56,449	21,905	7,126	29,031
<u>1978</u>				
July-----	3,984	1,582	485	2,067
August-----	4,646	1,821	605	2,426
September-----	4,667	1,914	637	2,551
October-----	4,928	1,989	617	2,606
November-----	4,848	1,954	635	2,589
December-----	4,902	1,925	630	2,555
<u>1979</u>				
January-----	5,061	2,018	691	2,709
February-----	4,848	1,978	672	2,650
March-----	4,605	2,222	757	2,979

Source: Compiled from data submitted in response to questionnaires of the U.S. International Trade Commission.

Table 9.--Bolts, nuts, and large screws: Ranges and averages of lowest net selling prices received by U.S. producers to distributors, by specified periods, July 1975-March 1979

(Per 1,000 pieces)					
Period	Domestic price				
	Cap screws, grade 2, 3/8" - 16 x 1"		Cap screws, grade 8, 3/8" - 16 x 1"		
	Range	Average	Range	Average	
1975:					
July-September-----	15.88- 30.00	22.86	20.43- 44.80	30.50	
October-December-----	15.88- 30.00	22.09	20.43- 44.80	28.17	
1976:					
January-March-----	15.90- 30.00	21.74	21.28- 44.80	31.07	
April-June-----	15.90- 27.00	21.75	21.28- 44.68	30.61	
July-September-----	15.87- 27.30	22.05	21.28- 40.32	29.24	
October-December-----	15.90- 27.30	21.88	21.28- 43.80	30.91	
1977:					
January-March-----	15.90- 27.30	21.64	21.28- 44.63	30.51	
April-June-----	15.90- 31.57	20.53	21.28- 37.45	29.78	
July-September-----	15.90- 22.86	19.88	22.34- 34.20	29.74	
October-December-----	15.90- 24.00	19.85	22.34- 36.76	30.35	
1978:					
January-March-----	15.90- 24.00	21.92	28.45- 40.32	32.96	
April-June-----	15.90- 25.02	21.38	30.15- 43.74	34.07	
1978:					
July-----	17.58- 58.21	23.66	31.36- 42.50	35.96	
August-----	17.58- 38.21	23.36	31.36- 42.51	35.96	
September-----	17.58- 38.21	23.73	31.36- 42.51	37.68	
October-----	17.58- 38.21	24.54	31.36- 42.51	37.14	
November-----	17.58- 38.21	24.69	31.36- 42.82	38.09	
December-----	17.58- 38.21	24.69	31.36- 42.87	37.96	
1979:					
January-----	19.43- 38.76	25.68	31.36- 42.25	38.53	
February-----	19.43- 38.76	25.86	31.36- 43.27	38.70	
March-----	19.43- 38.76	26.12	31.36- 43.27	38.70	

Source: Compiled from data submitted in response to questionnaires of the U.S. International Trade Commission.

Table 10.--Bolts, nuts, and large screws: Ranges and averages of lowest net selling prices received by U.S. producers to distributors, by specified periods, July 1975-March 1979

(Per 1,000 pieces)					
Period	Domestic price				
	Hexagon nuts, 1/4" - 20		Hexagon nuts, 1/2" - 13		
	Range	Average	Range	Average	
1975:					
July-September-----	2.91- 10.00	5.96	16.89- 37.02	25.12	
October-December-----	2.81- 9.93	5.94	16.89- 36.86	25.11	
1976:					
January-March-----	2.69- 8.81	5.66	17.60- 33.42	24.22	
April-June-----	2.69- 8.80	5.66	17.60- 33.02	24.23	
July-September-----	2.63- 9.78	5.85	17.60- 36.93	25.00	
October-December-----	2.63- 9.83	5.85	17.60- 28.40	23.84	
1977:					
January-March-----	2.59- 8.82	5.72	17.60- 32.88	24.44	
April-June-----	2.59- 8.70	5.64	17.60- 32.98	24.23	
July-September-----	3.06- 8.59	6.33	18.48- 29.68	23.52	
October-December-----	3.40- 8.76	6.45	18.48- 31.67	24.42	
1978:					
January-March-----	3.75- 9.00	6.50	18.48- 34.02	25.80	
April-June-----	4.00- 9.90	6.58	18.48- 37.26	26.20	
1978:					
July-----	4.03- 11.31	7.66	19.44- 37.80	28.22	
August-----	4.03- 9.90	7.31	19.44- 37.80	28.40	
September-----	4.03- 9.90	7.49	19.44- 37.80	28.90	
October-----	4.03- 9.90	7.51	19.44- 37.80	29.04	
November-----	4.03- 12.27	7.84	19.44- 37.26	28.15	
December-----	4.03- 9.90	7.55	19.44- 37.26	28.26	
1979:					
January-----	4.20- 9.90	7.62	21.97- 37.26	30.03	
February-----	4.20- 10.98	7.93	21.97- 41.04	30.51	
March-----	4.20- 6.98	7.91	21.97- 41.04	30.44	

Source: Compiled from data submitted in response to questionnaires of the U.S. International Trade Commission.

Table 11.--Bolts, nuts, and large screws: Ranges and averages of lowest net selling prices received by U.S. producers on sales to distributors, by specified periods, July 1975-March 1979

(In thousands of pieces)					
Period	Domestic price				
	Structural bolts, A325 with nut, 3/4" x 2"		Carriage bolts, 3/8" x 3"		
	Range	Average	Range	Average	
1975:					
July-September-----	187.18- 357.00	293.33	38.90- 74.40	52.72	
October-December-----	191.56- 352.90	290.28	33.40- 74.40	51.96	
1976:					
January-March-----	189.43- 352.90	289.66	33.40- 74.40	49.46	
April-June-----	194.95- 357.00	308.26	33.40- 66.96	48.78	
July-September-----	199.30- 357.00	293.23	33.40- 66.96	50.55	
October-December-----	162.55- 339.20	272.34	33.40- 66.96	50.70	
1977:					
January-March-----	215.00- 339.20	281.75	33.40- 55.80	47.78	
April-June-----	215.00- 339.20	282.92	33.40- 65.10	45.99	
July-September-----	215.00- 321.31	283.11	33.40- 55.80	43.57	
October-December-----	215.00- 321.30	278.76	33.40- 59.52	44.53	
1978:					
January-March-----	216.41- 343.80	299.46	33.40- 59.52	44.68	
April-June-----	246.89- 343.80	314.20	37.40- 59.52	45.90	
1978:					
July-----	249.35- 343.80	314.61	37.40- 44.70	58.94	
August-----	149.35- 343.80	316.42	42.72-144.70	58.98	
September-----	249.35- 343.80	313.63	37.40-144.70	59.24	
October-----	249.35- 343.80	317.18	37.40-149.14	59.86	
November-----	249.35- 343.80	324.17	37.40-149.14	62.11	
December-----	249.35- 343.80	319.99	37.40-149.14	60.80	
1979:					
January-----	249.35- 343.80	318.63	48.06-149.14	66.11	
February-----	249.35- 388.50	330.08	48.06-149.14	66.49	
March-----	249.35- 388.50	328.90	49.46-149.14	67.29	

Source: Compiled from data submitted in response to questionnaires of the U.S. International Trade Commission.

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ADDRESS CHANGE

- Remove from List
 - Change as Shown
- Please detach address label and mail to address shown above.