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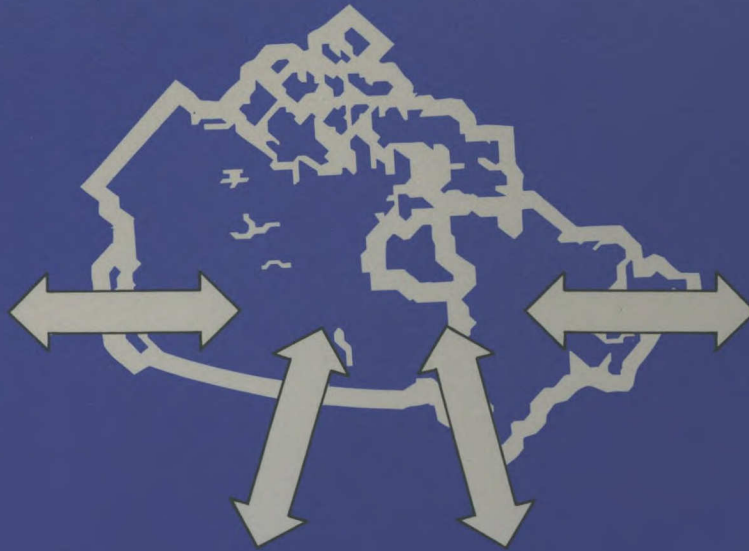
MARKET INTELLIGENCE

**NUTS: LOCK, STOP, WING
AND OTHER, OF IRON OR STEEL,
NOT ELSEWHERE SPECIFIED**

Pub. No.: 92038-IP

September 1992

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Canada



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REFERENCE SOURCES

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Revenue Canada, Tel.: (613) 954-6927
U.S. Department of Commerce,
Bureau of the Census,
Tel.: (301) 763-7754

EXPLANATORY NOTES

Commodity Classification

Canadian Trade statistics are classified and published according to the International Convention on the Harmonized Commodity and Description Coding System (H.S.), as defined by the Canadian Customs Tariff and Statistical Nomenclature.

Valuation

For Customs purposes, imports are recorded at values established according to the provisions of the Customs Act, which, since January 1, 1985, reflects valuation methods based on the General Agreement on Tariffs and Trade (GATT) Valuation Code System. It generally requires the value for duty of imported goods be equivalent to the transaction value or the price actually paid or payable provided that a number of conditions are met. One of the important conditions is that the buyer and seller must be independent of each other. If the conditions are not met, practical rules are used to determine the Customs value. Therefore, Canadian imports are valued Free on Board (F.O.B.), place of direct shipment to Canada. The Customs value excludes freight and insurance costs in bringing the goods to Canada from the point of direct shipment. Canadian exports to the U.S. are valued F.O.B. point of exit from Canada. Prior to 1990, they were valued F.O.B. place of lading net of freight charges, discounts and allowances.

Rounding

Figures may not add due to rounding.

Canada - U.S. Exchange Rate

The Bank of Canada exchange rates were used to convert U.S. imports reported in \$US to \$Cdn.

Canada - U.S. Reconciliation

Prior to 1989, United States commodity coding was based on the Tariff Schedule of the United States (TSUSA) and comparable data are not available. Starting in January 1989, the Harmonized Commodity Description and Coding System (H.S.) was adopted by the United States. However, Canada and the United States have been exchanging import data only since January 1990 and therefore there may be discrepancies in 1989 between Canadian exports to the United States and United States imports from Canada. As of January 1990, any discrepancy between what Canada reports as exports to the United States and what the United States reports as imports from Canada is minimal resulting from exchange rates.

Abbreviations

N.E.S. - Not elsewhere specified
Kg - Kilogram
BPT - British Preferential Tariff

TABLE OF CONTENTS

	PAGE
INTRODUCTION AND SCOPE	5
NORTH AMERICAN IMPORTS - 1991	6
CANADIAN IMPORT TRENDS	7
SUMMARY	7
BY MAJOR COUNTRY OF ORIGIN	8
BY PROVINCE OF CLEARANCE	12
CANADIAN IMPORTERS	16
FOREIGN EXPORTERS TO CANADA	23
CANADIAN SHIPMENTS	44
CANADIAN EXPORTS BY MAJOR COUNTRY OF DESTINATION	45
CANADIAN SUPPLIERS	46
UNITED STATES IMPORTS	50
BY MAJOR COUNTRY OF ORIGIN	50
TARIFFS	51
CANADIAN	51
UNITED STATES	52
MARKET OVERVIEW	53
dISTCoverly - TECHNOLOGY LICENSING OPPORTUNITIES	54



**NUTS: LOCK, STOP, WING AND OTHER,
OF IRON OR STEEL, NOT ELSEWHERE SPECIFIED**

INTRODUCTION AND SCOPE

This is one of a continuing series of market intelligence reports designed to increase business awareness of the potential existing for production in Canada and to assist businesses and other organizations in their market research of specific products. The detailed information provided in these reports supports studies by organizations seeking to expand existing production lines, change individual product characteristics or engage in new manufacturing investment in Canada. The coverage of a market intelligence report is developed in close consultation with the client, and is tailored to meet their specific requirements. It is important to emphasize that this report does not attempt any assessment as to the feasibility of competing in a particular market.

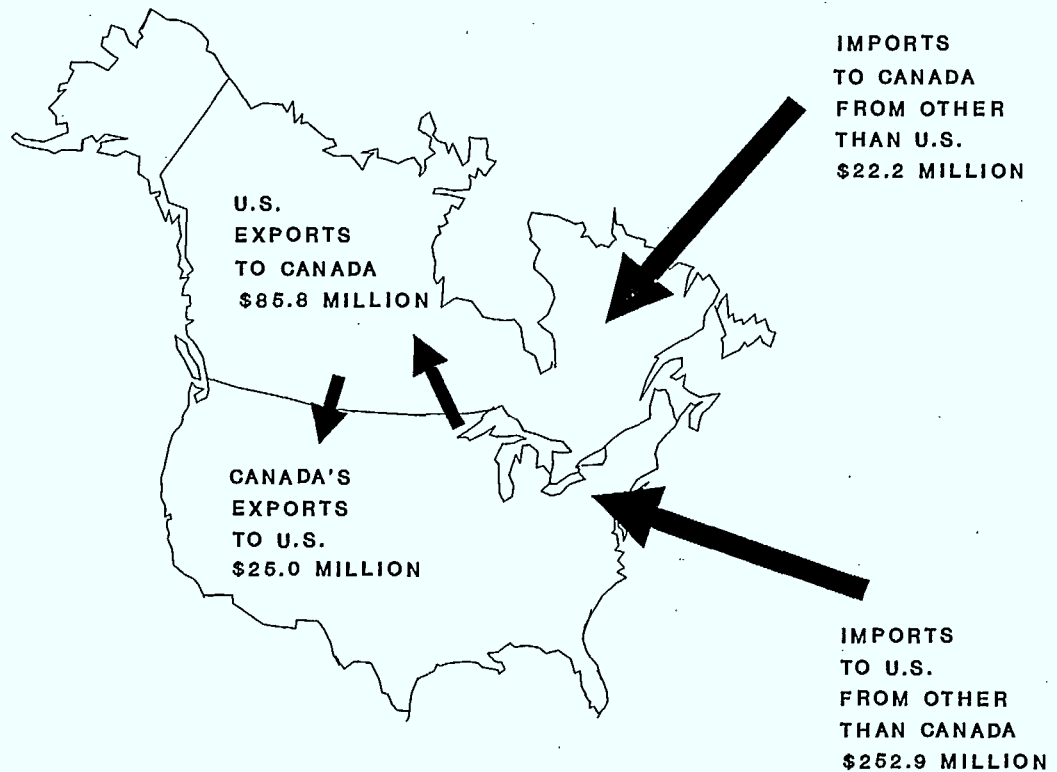
This report is based on data from several sources for the following Harmonized System (H.S.) commodity codes:

<u>Description</u>	<u>H.S. Commodity Codes Analyzed</u>
--Nuts, iron or steel, not elsewhere specified (7318.16.00)	
-----Lock	7318.16.00.10
-----Stop	7318.16.00.20
-----Wing	7318.16.00.30
-----Other	7318.16.00.90

Information concerning U.S. statistical data, show quantity in thousands of kilograms. Canadian statistical data do not indicate quantity.

**NUTS: LOCK, STOP, WING AND OTHER,
OF IRON OR STEEL, NOT ELSEWHERE SPECIFIED**

**NORTH AMERICAN IMPORTS - 1991
(H.S. 7318.16)**



North American Imports - \$275.1 Million*

* Excludes Canada - U.S. bilateral trade and Mexico.

**NUTS: LOCK, STOP, WING AND OTHER,
OF IRON OR STEEL, NOT ELSEWHERE SPECIFIED**

CANADIAN IMPORT TRENDS

SUMMARY

<u>Description and Commodity Code</u>	<u>Total Imports</u>				<u>Major Country of Export to Canada % of Total Value</u>			
	<u>1989 Value (\$000)</u>	<u>1990 Value (\$000)</u>	<u>1991 Value (\$000)</u>	<u>1992* Value (\$000)</u>	<u>1989 U.S.</u>	<u>1990 U.S.</u>	<u>1991 U.S.</u>	<u>1992* U.S.</u>
Lock nuts of iron or steel H.S. 7318.16.00.10	18 553	14 289	11 920	4 086	79	74	81	79
Stop nuts of iron or steel H.S. 7318.16.00.20	931	706	709	272	81	76	58	63
Wing nuts of iron or steel H.S. 7318.16.00.30	1 902	1 458	1 148	330	66	79	71	58
Other nuts of iron or steel H.S. 7318.16.00.90	<u>111 066</u>	<u>101 978</u>	<u>94 218</u>	<u>26 865</u>	79	79	79	74
TOTAL	132 452	118 431	107 995	31 554				

Ranked in descending order by 1991 value.

* The latest year is cumulative to the first quarter.

**NUTS: LOCK, STOP, WING AND OTHER,
OF IRON OR STEEL, NOT ELSEWHERE SPECIFIED**

CANADIAN IMPORT TRENDS (Cont'd)

BY MAJOR COUNTRY OF ORIGIN

**LOCK NUTS OF IRON OR STEEL
(H.S. 7318.16.00.10)**

<u>Country of Origin</u>	<u>1989</u>	<u>1990</u>	<u>1991</u>	<u>1992*</u>	<u>Average Annual Growth Rate 1989-91 (%)</u>
United States					
Value (\$000)	14 648	10 552	9 698	3 240	-18.6
Japan					
Value (\$000)	2 088	1 988	925	391	-33.5
Taiwan					
Value (\$000)	1 009	1 114	559	141	-25.6
Sweden					
Value (\$000)	181	200	332	44	35.3
India					
Value (\$000)	265	76	131	170	-29.8
Fed. Rep. of Germany					
Value (\$000)	148	129	100	28	-17.6
Finland					
Value (\$000)	6	2	73	20	241.2
Republic of Korea					
Value (\$000)	28	32	26	6	-3.9
United Kingdom					
Value (\$000)	14	35	20	16	20.5
Austria					
Value (\$000)	16	13	11	3	-14.8
Other					
Value (\$000)	<u>150</u>	<u>149</u>	<u>45</u>	<u>27</u>	<u>-45.4</u>
Total					
Value (\$000)	18 553	14 289	11 920	4 086	-19.8

Ranked in descending order by 1991 value.

* The latest year is cumulative to the first quarter.

**NUTS: LOCK, STOP, WING AND OTHER,
OF IRON OR STEEL, NOT ELSEWHERE SPECIFIED**

CANADIAN IMPORT TRENDS (Cont'd)

BY MAJOR COUNTRY OF ORIGIN (Cont'd)

**STOP NUTS OF IRON OR STEEL
(H.S. 7318.16.00.20)**

<u>Country of Origin</u>	<u>1989</u>	<u>1990</u>	<u>1991</u>	<u>1992*</u>	<u>Average Annual Growth Rate 1989-91 (%)</u>
United States Value (\$)	749 553	534 486	412 143	170 503	-25.8
China Value (\$)	3 186	9 213	112 078	49 161	493.1
Taiwan Value (\$)	136 559	103 870	97 690	26 943	-15.4
India Value (\$)	-	-	18 095	-	0.0
Brazil Value (\$)	-	16 536	13 875	-	-16.1
Japan Value (\$)	13 178	20 593	12 255	121	-3.6
France Value (\$)	107	486	9 460	13 628	840.3
Ireland Value (\$)	-	-	9 206	4 768	0.0
Switzerland Value (\$)	7 327	7 524	7 897	1 254	3.8
United Kingdom Value (\$)	3 383	9 001	7 417	2 806	48.1
Other Value (\$)	<u>17 511</u>	<u>4 305</u>	<u>9 334</u>	<u>3 041</u>	<u>-27.0</u>
Total Value (\$)	930 804	706 014	709 450	272 225	-12.7

Ranked in descending order by 1991 value.

* The latest year is cumulative to the first quarter.

**NUTS: LOCK, STOP, WING AND OTHER,
OF IRON OR STEEL, NOT ELSEWHERE SPECIFIED**

CANADIAN IMPORT TRENDS (Cont'd)

BY MAJOR COUNTRY OF ORIGIN (Cont'd)

**WING NUTS OF IRON OR STEEL
(H.S. 7318.16.00.30)**

<u>Country of Origin</u>	<u>1989</u>	<u>1990</u>	<u>1991</u>	<u>1992*</u>	<u>Average Annual Growth Rate 1989-91 (%)</u>
United States Value (\$000)	1 258	1 154	810	193	-19.7
Italy Value (\$000)	338	101	132	68	-37.5
Taiwan Value (\$000)	123	91	113	20	-3.8
Japan Value (\$000)	74	69	64	47	-7.0
Hong Kong Value (\$000)	-	12	16	-	38.0
China Value (\$000)	-	1	6	2	820.4
United Kingdom Value (\$000)	0	0	2	0	257.2
Mexico Value (\$000)	-	1	2	-	31.4
Fed. Rep. of Germany Value (\$000)	89	3	2	-	-86.1
Finland Value (\$000)	-	-	0	-	0.0
Other Value (\$000)	<u>21</u>	<u>27</u>	<u>1</u>	<u>0</u>	<u>-80.9</u>
Total Value (\$000)	1 902	1 458	1 148	330	-22.3

Ranked in descending order by 1991 value.

* The latest year is cumulative to the first quarter.

**NUTS: LOCK, STOP, WING AND OTHER,
OF IRON OR STEEL, NOT ELSEWHERE SPECIFIED**

CANADIAN IMPORT TRENDS (Cont'd)

BY MAJOR COUNTRY OF ORIGIN (Cont'd)

**OTHER NUTS OF IRON OR STEEL
(H.S. 7318.16.00.90)**

<u>Country of Origin</u>	<u>1989</u>	<u>1990</u>	<u>1991</u>	<u>1992*</u>	<u>Average Annual Growth Rate 1989-91 (%)</u>
United States					
Value (\$000)	88 068	80 467	74 856	21 423	-7.8
Japan					
Value (\$000)	4 598	6 100	6 967	2 152	23.1
Taiwan					
Value (\$000)	6 679	6 617	5 190	1 421	-11.8
China					
Value (\$000)	3 178	2 453	2 016	579	-20.4
Netherlands					
Value (\$000)	1 456	1 189	1 391	170	-2.3
Fed. Rep. of Germany					
Value (\$000)	1 217	1 003	917	233	-13.2
United Kingdom					
Value (\$000)	821	878	841	270	1.2
Italy					
Value (\$000)	372	422	426	116	6.9
Republic of Korea					
Value (\$000)	1 756	869	342	82	-55.9
Sweden					
Value (\$000)	220	243	236	90	3.6
Other					
Value (\$000)	<u>2 702</u>	<u>1 738</u>	<u>1 035</u>	<u>330</u>	<u>-38.1</u>
Total					
Value (\$000)	111 066	101 978	94 218	26 865	-7.9

Ranked in descending order by 1991 value.

* The latest year is cumulative to the first quarter.

**NUTS: LOCK, STOP, WING AND OTHER,
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CANADIAN IMPORT TRENDS (Cont'd)

BY PROVINCE OF CLEARANCE

**LOCK NUTS OF IRON OR STEEL
(H.S. 7318.16.00.10)**

<u>Province of Clearance</u>	<u>1989</u>	<u>1990</u>	<u>1991</u>	<u>1992*</u>	<u>Average Annual Growth Rate 1989-91 (%)</u>
Ontario Value (\$000)	12 899	9 916	8 193	2 834	-20.3
Québec Value (\$000)	3 883	2 559	2 138	799	-25.8
British Columbia Value (\$000)	709	684	569	213	-10.4
Alberta Value (\$000)	401	454	386	99	-1.9
Manitoba Value (\$000)	455	449	283	110	-21.1
Nova Scotia Value (\$000)	81	100	270	17	83.0
Saskatchewan Value (\$000)	101	88	64	11	-20.4
New Brunswick Value (\$000)	23	32	16	3	-15.8
Newfoundland Value (\$000)	2	8	1	0	-37.8
Yukon Value (\$000)	-	-	0	-	0.0
Total Value (\$000)	18 553	14 289	11 920	4 086	-19.8

Ranked in descending order by 1991 value.

* The latest year is cumulative to the first quarter.

**NUTS: LOCK, STOP, WING AND OTHER,
OF IRON OR STEEL, NOT ELSEWHERE SPECIFIED**

CANADIAN IMPORT TRENDS (Cont'd)

BY PROVINCE OF CLEARANCE (Cont'd)

**STOP NUTS OF IRON OR STEEL
(H.S. 7318.16.00.20)**

<u>Province of Clearance</u>	<u>1989</u>	<u>1990</u>	<u>1991</u>	<u>1992*</u>	<u>Average Annual Growth Rate 1989-91 (%)</u>
Ontario Value (\$)	223 375	207 002	270 919	80 315	10.1
British Columbia Value (\$)	383 215	211 392	211 098	62 657	-25.8
Manitoba Value (\$)	238 722	256 080	186 925	79 376	-11.5
Québec Value (\$)	71 395	23 200	28 086	49 596	-37.3
Alberta Value (\$)	13 625	7 347	12 422	108	-4.5
New Brunswick Value (\$)	-	-	-	173	-
Nova Scotia Value (\$)	-	993	-	-	0.0
Saskatchewan Value (\$)	327	-	-	-	0.0
Newfoundland Value (\$)	<u>145</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>0.0</u>
Total Value (\$)	930 804	706 014	709 450	272 225	-12.7

Ranked in descending order by 1991 value.

* The latest year is cumulative to the first quarter.

**NUTS: LOCK, STOP, WING AND OTHER,
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CANADIAN IMPORT TRENDS (Cont'd)

BY PROVINCE OF CLEARANCE (Cont'd)

**WING NUTS OF IRON OR STEEL
(H.S. 7318.16.00.30)**

<u>Province of Clearance</u>	<u>1989</u>	<u>1990</u>	<u>1991</u>	<u>1992*</u>	<u>Average Annual Growth Rate 1989-91 (%)</u>
Ontario Value (\$000)	1 345	1 202	922	237	-17.2
Québec Value (\$000)	432	189	172	68	-36.9
British Columbia Value (\$000)	65	30	25	22	-37.7
New Brunswick Value (\$000)	7	7	15	2	42.5
Alberta Value (\$000)	49	22	8	1	-60.3
Saskatchewan Value (\$000)	4	2	3	0	-12.5
Manitoba Value (\$000)	1	4	2	-	78.0
Nova Scotia Value (\$000)	<u>0</u>	<u>1</u>	<u>2</u>	<u>0</u>	<u>256.3</u>
Total Value (\$000)	1 902	1 458	1 148	330	-22.3

Ranked in descending order by 1991 value.

* The latest year is cumulative to the first quarter.

**NUTS: LOCK, STOP, WING AND OTHER,
OF IRON OR STEEL, NOT ELSEWHERE SPECIFIED**

CANADIAN IMPORT TRENDS (Cont'd)

BY PROVINCE OF CLEARANCE (Cont'd)

**OTHER NUTS OF IRON OR STEEL
(H.S. 7318.16.00.90)**

<u>Province of Clearance</u>	<u>1989</u>	<u>1990</u>	<u>1991</u>	<u>1992*</u>	<u>Average Annual Growth Rate 1989-91 (%)</u>
Ontario					
Value (\$000)	91 070	84 407	77 885	22 336	-7.5
Québec					
Value (\$000)	11 451	8 244	7 912	2 552	-16.9
Alberta					
Value (\$000)	2 165	2 490	3 319	530	23.8
British Columbia					
Value (\$000)	3 701	4 308	2 847	787	-12.3
Manitoba					
Value (\$000)	1 781	1 548	1 256	385	-16.0
Saskatchewan					
Value (\$000)	184	367	387	113	44.9
Nova Scotia					
Value (\$000)	363	412	348	82	-2.1
New Brunswick					
Value (\$000)	324	177	158	76	-30.1
Newfoundland					
Value (\$000)	28	21	105	3	95.3
Prince Edward Island					
Value (\$000)	-	2	1	0	-19.0
Yukon					
Value (\$000)	-	2	-	-	0.0
Total					
Value (\$000)	111 066	101 978	94 218	26 865	-7.9

Ranked in descending order by 1991 value.

* The latest year is cumulative to the first quarter.

**NUTS: LOCK, STOP, WING AND OTHER,
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CANADIAN IMPORTERS

**LOCK NUTS OF IRON OR STEEL
(H.S. 7318.16.00.10)**

There were 777 known importers in 1990. The principal 15 importers accounted for 60 per cent of the total import value.

<u>Principal Importers</u> (No.)	<u>Cumulative Value</u> (\$000)	<u>Cumulative % of Total Value</u>
3	5 026	35
6	6 713	47
10	7 676	54
15	8 638	60
25	9 899	69
49	11 457	80
All Importers (777)	14 289	100

The principal importers during 1990 are listed below in alphabetical order. This list does not include individuals. The importer is not necessarily the end-user of the product.

<u>Name</u>	<u>Location</u>	<u>Name</u>	<u>Location</u>
A H Bolt & Nut Co Ltd.	Windsor, Ont.	Cooper Energy Services a Div. of Cooper Industries (Canada) Inc.	Mount Vernon, OH, U.S.*
Accurate Fasteners Ltd.	Concord, Ont.	Distributions Hexco Inc.	Montréal, Qué.
Acklands Ltd.	Vancouver, B.C.	Dresser-Rand Canada Inc.	Lethbridge, Alta.
Air Canada Facilities & Supply Ltd.	St-Laurent, Qué.	FAG Bearings Ltd.	Stratford, Ont.
Appleton Electric Limited	Cambridge, Ont.	Finning Tractor Co. Ltd.	Vancouver, B.C.
Aviall Canada Ltd.	Richmond, B.C.	Ford Motor Company of Canada Ltd.	Oakville, Ont.
Bombardier Inc.	Valcourt, Qué.	General Motors of Canada Limited	Oshawa, Ont.
Bourjeurd Specialty Products Inc.	Mississauga, Ont.		London, Ont.
Bowman Products Canada Ltd.	Concord, Ont.	H Paulin & Company Ltd.	Scarborough, Ont.
Brighton Best Socket Screw Mfg. Ltd.	Teaneck, NJ, U.S.*	Hayes-Dana Inc., Regional Assembly Facilities	Burlington, Ont.
Cami Automotive Inc.	Ingersoll, Ont.	Hewitt Equipment Ltd.	Pointe-Claire-Dorval, Qué.
Canadair Ltd.	Montréal, Qué.	Honda of Canada Mfg. Inc.	Alliston, Ont.
Canadian Helicopters Ltd.	Richmond, B.C.	Infasco Division Ivaco Inc.	Marieville, Qué.
Canadian Marconi Company Ltd.	Mont-Royal, Qué.	J I Case Canada a Div. of Tenneco Canada Inc.	Brampton, Ont.
Canadian Tire Corporation Ltd.	Toronto, Ont.		
Champion Road Machinery Limited	Goderich, Ont.		
Chrysler Canada Limited	Windsor, Ont.		

* Non-resident importer.

**NUTS: LOCK, STOP, WING AND OTHER,
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CANADIAN IMPORTERS (Cont'd)

**LOCK NUTS OF IRON OR STEEL (Cont'd)
(H.S. 7318.16.00.10)**

<u>Name</u>	<u>Location</u>	<u>Name</u>	<u>Location</u>
John Deere Ltd.	Grimsby, Ont.	Rockwell International of Canada Ltd.	Toronto, Ont.
Langtry Industries Ltd.	Winnipeg, Man.	Rod Ends Mechanical Ltd.	Mississauga, Ont.
Les Attaches Esna Inc., Esna Fasteners Inc.	Lachine, Qué.	SKF Canada Limited	Scarborough, Ont.
Makita Canada Inc.	Richmond, B.C.	SPAE-Naur Inc.	Kitchener, Ont.
Mazda Canada Inc.	Pickering, Ont.	Spar Aerospace Products Ltd.	Toronto, Ont.
McDonnell Douglas Canada Ltd.	Mississauga, Ont.	Specialty Fasteners Ltd.	Mississauga, Ont.
Motor Coach Industries Ltd.	Winnipeg, Man.	Standard Aero Limited	Winnipeg, Man.
Mueller Canada Inc.	Sarnia, Ont.	Stelfast Fastners Ltd.	Mississauga, Ont.
Navistar International Corporation	Hamilton, Ont.	TRW Canada Ltd.	St. Catharines, Ont.
PR Nissen & Co Ltd.	Pointe-Claire-Dorval, Qué.	Textron Canada Ltd.	Rhode Island, RI, U.S.*
Paccar Du Canada Ltée.	Ste-Thérèse de-Blainville, Qué.	Thomas & Betts Limited	Iberville, Qué.
Pièces Pour Camions Remorques Ass. Inc.	Montréal, Qué.	Unistrut Canada Ltd.	Ajax, Ont.
Pratt And Whitney Canada Inc.	Longueuil, Qué.	Volvo (Canada) Limited, Manufacturing Division	Halifax, N.S.
		Western Star Trucks Inc.	Kelowna, B.C.
		Xerox Canada Inc.	Willowdale, Ont.

* Non-resident importer.

**NUTS: LOCK, STOP, WING AND OTHER,
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CANADIAN IMPORTERS (Cont'd)

**STOP NUTS OF IRON OR STEEL
(H.S. 7318.16.00.20)**

There were 95 known importers in 1990. The principal ten importers accounted for 85 per cent of the total import value.

<u>Principal Importers</u> (No.)	<u>Cumulative Value</u> (\$000)	<u>Cumulative % of Total Value</u>
3	431	61
6	540	76
10	601	85
All Importers (95)	706	100

The principal importers during 1990 are listed below in alphabetical order. This list does not include individuals. The importer is not necessarily the end-user of the product.

<u>Name</u>	<u>Location</u>	<u>Name</u>	<u>Location</u>
Burgess Power Train Mfg. Inc.	Sudbury, Ont.	Lamy Vezina Équipements Ltée.	Tracey, Qué.
Cami Automotive Inc.	Ingersoll, Ont.	MacLean Engineering & Marketing Co. Ltd.	Collingwood, Ont.
Compagnie Minière Inc.	Sept-Iles, Qué.	New Flyer Industries Limited	Winnipeg, Man.
Cooper Tool, a Div. of Cooper Industries (Canada) Inc.	Barrie, Ont.	Paccar of Canada Ltd.	Surrey, B.C.
Distributions Falco Regd.	Laval, Qué.	Profit Products Ltd.	Richmond, B.C.
Downsview Stamping, Div. of Magna International	Concord, Ont.	Pyle National of Canada Ltd.	Mississauga, Ont.
Dresser-Rand Canada Inc.	Lethbridge, Alta.	Radio Shack, Div. of Intertan Canada Ltd.	Barrie, Ont.
Engel Canada Inc.	Guelph, Ont.	Rastall & Son Mine Supply Limited	Sudbury, Ont.
Freightliner of Canada Ltd.	Calgary, Alta.	Retco Industries Limited	Windsor, Ont.
Gardner Denver Co.	Scarborough, Ont.	Rockwell International of Canada Ltd.	Toronto, Ont.
Industriel Equipment Co. Ltd.	Delta, B.C.	Southwest Oilfields Products Ltd.	Edmonton, Alta.
Industries Dorel Inc., Les	Montréal, Qué.	Standard Aero Limited	Winnipeg, Man.
J I Case Canada A Div. of Tenneco Canada Inc.	Brampton, Ont.		

* Non-resident importer.

**NUTS: LOCK, STOP, WING AND OTHER,
OF IRON OR STEEL, NOT ELSEWHERE SPECIFIED**

CANADIAN IMPORTERS (Cont'd)

**WING NUTS OF IRON OR STEEL
(H.S. 7318.16.00.30)**

There were 118 known importers in 1990. The principal ten importers accounted for 81 per cent of the total import value.

<u>Principal Importers</u> (No.)	<u>Cumulative Value</u> (\$000)	<u>Cumulative % of Total Value</u>
3	987	68
6	1 087	75
10	1 183	81
All Importers (118)	1 458	100

The principal importers during 1990 are listed below in alphabetical order. This list does not include individuals. The importer is not necessarily the end-user of the product.

<u>Name</u>	<u>Location</u>	<u>Name</u>	<u>Location</u>
673777 Ontario Limited	Mississauga, Ont.	Gould Fasteners Limited	Mississauga, Ont.
Atlas Alloys, Div. of Rio Algom Ltd.	Etobicoke, Ont.	H Paulin & Company Ltd.	Scarborough, Ont.
Attaches Reliable 1980 Inc., Les	Outremont, Qué.	Industries Geno Inc., Les	Montréal, Qué.
Autobus M C I Grey Hound Canada Inc., Les	St-Eustache, Qué.	Infasco Division Ivaco Inc.	Marieville, Qué.
Buchanan Rubber Ltd.	Rexdale, Ont.	Metal Fabricators & Welding Ltd.	Edmonton, Alta.
Canadair Ltd.	St. Laurent, Qué.	NCH Canada Inc.	Brampton, Ont.
Canadian Tire Corporation Ltd.	Toronto, Ont.	P R Nissen & Co Ltd.	Pointe-Claire-Dorval, Qué.
Chrysler Canada Limited	Windsor, Ont.	SPAE-Naur Inc.	Kitchener, Ont.
Dade Steel Products Inc.	Montréal, Qué.	Talbot Sales Ltd.	Scarborough, Ont.
Dayton Superior Canada Ltd.	Montréal, Qué.	Toyota Canada Inc.	Scarborough, Ont.
Ford Motor Company of Canada Ltd.	Oakville, Ont.	Tri-Fast Limited	Richmond Hill, Ont.
General Motors of Canada Limited	Oshawa, Ont.	TS Simms & Co. Ltd.	Saint John, N.B.
		Universal Expansion Sheild Co. Ltd.	Montréal, Qué.

**NUTS: LOCK, STOP, WING AND OTHER,
OF IRON OR STEEL, NOT ELSEWHERE SPECIFIED**

CANADIAN IMPORTERS (Cont'd)

**OTHER NUTS OF IRON OR STEEL
(H.S. 7318.16.00.90)**

There were 2 744 known importers in 1990. The principal 25 importers accounted for 59 per cent of the total import value.

<u>Principal Importers</u> (No.)	<u>Cumulative Value</u> (\$000)	<u>Cumulative % of Total Value</u>
3	28 858	28
6	37 538	37
10	44 561	44
15	51 607	51
25	60 454	59
101	81 585	80
All Importers (2 744)	101 978	100

The principal importers during 1990 are listed below in alphabetical order. This list does not include individuals. The importer is not necessarily the end-user of the product.

<u>Name</u>	<u>Location</u>	<u>Name</u>	<u>Location</u>
A G Simpson Company Ltd.	Scarborough, Ont.	Bundy of Canada Limited	Brampton, Ont.
A H Bolt & Nut Co. Ltd.	Windsor, Ont.	Butler Metal Products Div. of BMG Canada Limited	Cambridge, Ont.
A Rea Tools & Tubing Limited	Mississauga, Ont.	Cam-Slide Mfg. Div. of Magna International Inc.	Newmarket, Ont.
Aeroquip Canada Inc.	Toronto, Ont.	Canadian A S E Ltd.	Downsview, Ont.
Ajax Precision Manufacturing Ltd.	Weston, Ont.	Canadian Airlines Int'l. Ltd.	Calgary, Alta.
Apex Metals (Kitchener) Ltd.	Kitchener, Ont.	Canadian Helicopters Ltd.	Richmond, B.C.
Atlas Alloys Div. of Rio Algom Limited	Etobicoke, Ont.	Central Stampings Limited	Windsor, Ont.
Atlas Copco Canada Inc.	Pointe-Claire-Dorval, Qué.	Chrysler Canada Limited	Windsor, Ont.
Attaches Esna Inc., Les	Lachine, Qué.	Crothers Ltd.	Concord, Ont.
Attaches Metrican Ltée., Les	Montréal, Qué.	Daniel Bolt & Gasket Inc.	Edmonton, Alta.
Attaches Reliable 1980 Inc., Les	Outremont, Qué.	Davidson Instrument Panel Textron Ltd.	Port Hope, Ont.
Automodular Assemblies Incorporated	Belleville, Ont.	Deco Automotive Industries Ltd.	Etobicoke, Ont.
Bell Fasteners Canada Inc.	Mississauga, Ont.	Department of National Defence	Ottawa, Ont.
Bell Helicopter Ltée.	St-Janvier, Qué.	Distributions Hexco Inc.	Montréal, Qué.
Bendix Heavy Vehicle Systems Limited	London, Ont.	Docap (1985) Corporation	Etobicoke, Ont.
Boeing Canada Limited	Downsview, Ont. Winnipeg, Man.	Dominion Bridge Unit of AMCA International Ltd.	Toronto, Ont.
Bombardier Inc.	Valcourt, Qué.	Downsview Stamping Division of Magna International Inc.	Concord, Ont.
Budd Canada Inc.	Kitchener, Ont.	Duwodag Systems Ltd.	Abbotsford, B.C.

**NUTS: LOCK, STOP, WING AND OTHER,
OF IRON OR STEEL, NOT ELSEWHERE SPECIFIED**

CANADIAN IMPORTERS (Cont'd)

**OTHER NUTS OF IRON OR STEEL (Cont'd)
(H.S. 7318.16.00.90)**

<u>Name</u>	<u>Location</u>	<u>Name</u>	<u>Location</u>
Eaton Yale Ltd. Engineered Fasteners Div. Eaton Yale Ltd. F & P Mfg Inc. Fabricated Steel Products Ltd. Falcon Tool & Die (1979) Limited Fasteners & Fittings Inc. Finning Tractor Co. Ltd. Fleetwood Metal Industries A Div. of Starcan Corp. Ford Motor Company of Canada Ltd. Form Rite Tube Ltd. Freightliner Of Canada Ltd. G S W Inc. General Electric Canada Inc. General Motors of Canada Limited Guelph Tool & Die Ltd. H Paulin & Company Ltd. Hayes-Dana Inc. Hayes-Dana Inc. Regional Assembly Facilities Heroux Limited Hewitt Equipment Ltd.	Wallaceburg, Ont. Hamilton, Ont. Tottenham, Ont. Windsor, Ont. Windsor, Ont. Mississauga, Ont. Vancouver, B.C. Tilbury, Ont. Oakville, Ont. London, Ont. Calgary, Alta. Toronto, Ont. Mississauga, Ont. Oshawa, Ont. Guelph, Ont. Scarborough, Ont. Thorold, Ont. Burlington, Ont. Longueuil, Qué. Pointe-Claire-Dorval, Qué. Mississauga, Ont. Woodstock, Ont. Scarborough, Ont. Alliston, Ont. Windsor, Ont. Bromont, Qué. Marieville, Qué. Etobicoke, Ont. Richmond Hill, Ont. Glencoe, Ont.	J I Case Canada A Div. of Tenneco Canada Inc. Jeep Corporation C/O TOS Limited John Deere Ltd. John Deere Welland Works of John Deere Ltd. KTM Locks A Division of Magna Int'l. Lamson & Sessions of Canada Limited Langtry Industries Ltd. Lear Seating Canada Ltd. Lister Bolt & Chain Ltd. M & Z Industrial Supply Ltd. Mack Canada Inc. Manutec Steel Industries Ltd. Maple Stamping Div. of Magna International Inc. Master Precision Tool & Die Inc. McDonnell Douglas Canada Ltd. Monroe Auto Equipment Co. National Auto Radiator Manufacturing Co. Ltd. Navistar International Corporation Niagara Fasteners Inc. Nifast Canada Corporation Normark Mfg Div. of Magna International Inc. Northern Telecom Ltd. Ohio Nut & Bolt of Canada Ltd. P & F Tool & Die Inc. P R Nissen & Co. Ltd. Paccar du Canada Ltée. Pacific Fasteners Ltd.	Brampton, Ont. London, Ont. Grimsby, Ont. Grimsby, Ont. Concord, Ont. Mississauga, Ont. Winnipeg, Man. Kitchener, Ont. Richmond, B.C. Edmonton, Alta. Etobicoke, Ont. Brampton, Ont. Maple, Ont. Scarborough, Ont. Mississauga, Ont. Owen Sound, Ont. Windsor, Ont. Hamilton, Ont. Niagara Falls, Ont. Ingersoll, Ont. Concord, Ont. Etobicoke, Ont. Berea, OH, U.S.* Markham, Ont. Pointe-Claire-Dorval, Qué. Ste-Thérèse de-Blainville, Qué. Burnaby, B.C.

* Non-resident importer.

**NUTS: LOCK, STOP, WING AND OTHER,
OF IRON OR STEEL, NOT ELSEWHERE SPECIFIED**

CANADIAN IMPORTERS (Cont'd)

**OTHER NUTS OF IRON OR STEEL (Cont'd)
(H.S. 7318.16.00.90)**

<u>Name</u>	<u>Location</u>	<u>Name</u>	<u>Location</u>
Pacific Truck & Trailer Ltd.	Vancouver, B.C.	Swagelok Canada Ltd.	Niagara Falls, Ont.
Pechiney World Trade (Canada) Inc.	Mississauga, Ont.	T R W Canada Ltd.	St. Catharines, Ont.
Plastiglide Div. of ITW Canada Ltd.	Concord, Ont.	Threadfast Manufacturing Ltd.	Vancouver, B.C.
Pratt And Whitney Canada Inc.	Longueuil, Qué.	Toycan Metal Fabricators Limited	Concord, Ont.
Presstran Industries Div. of 559300 Ontario Inc.	Markham, Ont.	Toyota Canada Inc.	Scarborough, Ont.
Process Products Limited	Toronto, Ont.	Toyota Motor Manufacturing Canada Inc.	Cambridge, Ont.
Reid Industries Ltd.	Windsor, Ont.	Tri-Fast Limited	Richmond Hill, Ont.
Rockwell International of Canada Inc.	Toronto, Ont.	Trim Trends Canada Ltd.	Dundalk, Ont.
Rolls-Royce (Canada) Limited	Lachine, Qué.	Triple T Equipment O/B Euclid Industries of Canada Ltd.	Mississauga, Ont.
Saskatchewan Power Corporation	Regina, Sask.	Valeo Engine Cooling Ltd.	Stratford, Ont.
See-More Fixations Ltée.	Pointe-Claire-Dorval, Qué.	Van-Rob Stampings Inc.	Scarborough, Ont.
Siemens Automotive Ltd.	Chatham, Ont.	Velan Inc.	Montréal, Qué.
SKD Company, Lustro Steel Products Div.	Brampton, Ont.	Veltri Stamping Corporation	Windsor, Ont.
SPA-E-Naur Inc.	Kitchener, Ont.	Versatile Farm Equipment Operations	Winnipeg, Man.
Spar Aerospace Products Ltd.	Toronto, Ont.	VME Equipment of Canada Ltd.	St. Thomas, Ont.
Standco Canada Limited	Concord, Ont.	Volvo (Canada) Limited	Halifax, N.S.
Stelfast Fastners Ltd.	Mississauga, Ont.	Wesco Aircraft Canada Ltd.	Mississauga, Ont.
Susan Shoe Industries Ltd.	Hamilton, Ont.	Western Star Trucks Inc.	Kelowna, B.C.
		Westinghouse Canada Limited	Hamilton, Ont.
		Wolfedale Engineering Ltd.	Mississauga, Ont.
		Xerox Canada Inc.	Willowdale, Ont.

**NUTS: LOCK, STOP, WING AND OTHER,
OF IRON OR STEEL, NOT ELSEWHERE SPECIFIED**

CANADIAN IMPORTERS (Cont'd)

**OTHER NUTS OF IRON OR STEEL (Cont'd)
(H.S. 7318.16.00.90)**

<u>Name</u>	<u>Location</u>	<u>Name</u>	<u>Location</u>
Pacific Truck & Trailer Ltd.	Vancouver, B.C.	Swagelok Canada Ltd.	Niagara Falls, Ont.
Pechiney World Trade (Canada) Inc.	Mississauga, Ont.	T R W Canada Ltd.	St. Catharines, Ont.
Plastiglide Div. of ITW Canada Ltd.	Concord, Ont.	Threadfast Manufacturing Ltd.	Vancouver, B.C.
Pratt And Whitney Canada Inc.	Longueuil, Qué.	Toycon Metal Fabricators Limited	Concord, Ont.
Presstran Industries Div. of 559300 Ontario Inc.	Markham, Ont.	Toyota Canada Inc.	Scarborough, Ont.
Process Products Limited	Toronto, Ont.	Toyota Motor Manufacturing Canada Inc.	Cambridge, Ont.
Reid Industries Ltd.	Windsor, Ont.	Tri-Fast Limited	Richmond Hill, Ont.
Rockwell International of Canada Inc.	Toronto, Ont.	Trim Trends Canada Ltd.	Dundalk, Ont.
Rolls-Royce (Canada) Limited	Lachine, Qué.	Triple T Equipment O/B Euclid Industries of Canada Ltd.	Mississauga, Ont.
Saskatchewan Power Corporation	Regina, Sask.	Valeo Engine Cooling Ltd.	Stratford, Ont.
See-More Fixations Ltée.	Pointe-Claire-Dorval, Qué.	Van-Rob Stampings Inc.	Scarborough, Ont.
Siemens Automotive Ltd.	Chatham, Ont.	Velan Inc.	Montréal, Qué.
SKD Company, Luströ Steel Products Div.	Brampton, Ont.	Veltri Stamping Corporation	Windsor, Ont.
SPAE-Naur Inc.	Kitchener, Ont.	Versatile Farm Equipment Operations	Winnipeg, Man.
Spar Aerospace Products Ltd.	Toronto, Ont.	VME Equipment of Canada Ltd.	St. Thomas, Ont.
Standco Canada Limited	Concord, Ont.	Volvo (Canada) Limited	Halifax, N.S.
Stelfast Fastners Ltd.	Mississauga, Ont.	Wesco Aircraft Canada Ltd.	Mississauga, Ont.
Susan Shoe Industries Ltd.	Hamilton, Ont.	Western Star Trucks Inc.	Kelowna, B.C.
		Westinghouse Canada Limited	Hamilton, Ont.
		Wolfedale Engineering Ltd.	Mississauga, Ont.
		Xerox Canada Inc.	Willowdale, Ont.

**NUTS: LOCK, STOP, WING AND OTHER,
OF IRON OR STEEL, NOT ELSEWHERE SPECIFIED**

FOREIGN EXPORTERS TO CANADA

**LOCK NUTS OF IRON OR STEEL
(H.S. 7318.16.00.10)**

Major exporters to Canada are listed in descending order of dollar value. These exporters accounted for 71 per cent of the total value of Canadian imports during 1990.

<u>Country of Origin</u>	<u>Name of Foreign Exporter</u>	<u>1990 Value of Exports to Canada</u> (\$000)
United States	Specialty Forming)	2 241*
Japan	Honda Motor Co. Ltd.)	
United States	Key Manufacturing Group Inc.)	607*
	Caterpillar)	
	Unistrut)	457*
	Shur-Lok Corp.)	
Sweden	SKF)	380*
United States	Everlock Fastening Systems Inc.)	
	Ramco Inc.	178
Japan	Kyo-Ei Int'l. Co.)	327*
United States	Ford Motor Company)	
	Hi-Vol Products Inc.)	318*
	Elastic Stop Nut)	
	Thomas & Betts Company	156
	Gripco Fasteners	152
	SPS Technologies	147
Japan	Hy Port Fasteners	144
United States	Kiko Corporation)	245*
	Federal Screw Works)	
	Standard Locknut and Washer	116
Japan	Suzuki Motor Corp.)	221*
United States	Semco Instruments)	

* Aggregated to preserve confidentiality of Canadian Importers.

**NUTS: LOCK, STOP, WING AND OTHER,
OF IRON OR STEEL, NOT ELSEWHERE SPECIFIED**

FOREIGN EXPORTERS TO CANADA (Cont'd)

**LOCK NUTS OF IRON OR STEEL (Cont'd)
(H.S. 7318.16.00.10)**

<u>Country of Origin</u>	<u>Name of Foreign Exporter</u>	<u>1990 Value of Exports to Canada</u> (\$000)
United States	RB and W Corp.	105
	Bell Helicopter Textron) Voi-Shan Distribution)	192*
	Aviall Corp.	92
	Macleam Fogg Company	91
	Allison Gas Turbine) R D Screw Products)	176*
	Kaynar Microdot) Xact Products Inc.) California Industrial Products)	226*
	United Supply Company) Electro Motive Div.)	133*
Japan	Western Filter)	
United States	Daido Enterp Co.) Industrial Nut Corp.)	177*
	Jacobson Mfg. Co. Inc.	57
Japan	Shigeyama Co. Ltd.	54
United States	Dana Corporation	53
	Harco	52
Fed. Rep. of Germany	Ohio Jacobson Fastener Corp.) Kugelfischer)	100*
United States	Bild Industries	48

* Aggregated to preserve confidentiality of Canadian Importers.

**NUTS: LOCK, STOP, WING AND OTHER,
OF IRON OR STEEL, NOT ELSEWHERE SPECIFIED**

FOREIGN EXPORTERS TO CANADA (Cont'd)

**LOCK NUTS OF IRON OR STEEL (Cont'd)
(H.S. 7318.16.00.10)**

<u>Country of Origin</u>	<u>Name of Foreign Exporter</u>	<u>1990 Value of Exports to Canada (\$000)</u>
United States	K W Fastener Co.)	94*
	Airway Mfg Co.)	
	Lacks Industries Inc.)	91*
Saginaw Steering Gear Division)		
Fed. Rep. of Germany Japan	Volvo Car)	88*
	Numazu Fastener Corp.)	
United States	Katnar)	78*
	American National Rubber)	
India	Deere and Company)	75*
	Artmark Products)	
United States Japan	Honda of America)	73*
	Toyota Motor Corporation)	
United States	ELCO Industries Inc.	35
	J I Case Sps)	70*
	Metform Corp.)	
Japan	Westfield Gage Co. Inc.)	104*
	Xerox Corporation)	
	Makita Electric Works)	
United States	C Itoh & Co. Ltd.)	102*
	Brighton Best)	
	General Electric Supply)	
	General Motors Parts Division)	68*
	Hendrickson Suspension)	
	Rose Engineering)	68*
	Spencer Products)	

* Aggregated to preserve confidentiality of Canadian Importers.

**NUTS: LOCK, STOP, WING AND OTHER,
OF IRON OR STEEL, NOT ELSEWHERE SPECIFIED**

FOREIGN EXPORTERS TO CANADA (Cont'd)

**LOCK NUTS OF IRON OR STEEL (Cont'd)
(H.S. 7318.16.00.10)**

<u>Country of Origin</u>	<u>Name of Foreign Exporter</u>	<u>1990 Value of Exports to Canada (\$000)</u>
United States	McDonnell Douglas)	64*
Japan	Fuji Semitsu Mfg.)	
India	Engser India Private Ltd.)	61*
United States	The Hartwell Corp.)	
Japan	Unico)	58*
United States	Airdome Parts Co.)	
	Fastbolt Corporation	29
	Horizon Screw Machine Products)	
	Gagnier Products Co.)	81*
	Greer Smyrna Div.)	
	Bradley Int'l.)	
	Warren Bolt and Screw)	74*
Japan	Nissan Motor Co. Ltd.)	
United States	Dresser Rand)	47*
	Motor Wheel Corporation)	
	Timken Co.	23
	Aeroquip Corp.)	42*
	Mueller Co.)	
	The Mclaughlin Company)	
	Trico Products Corp.)	62*
	Aerospace Locknut)	
	Bundy Corp.)	
	Microdot Inc. Everlock Detroit)	59*
	Alatec Products)	

* Aggregated to preserve confidentiality of Canadian Importers.

**NUTS: LOCK, STOP, WING AND OTHER,
OF IRON OR STEEL, NOT ELSEWHERE SPECIFIED**

FOREIGN EXPORTERS TO CANADA (Cont'd)

**LOCK NUTS OF IRON OR STEEL (Cont'd)
(H.S. 7318.16.00.10)**

<u>Country of Origin</u>	<u>Name of Foreign Exporter</u>	<u>1990 Value of Exports to Canada (\$000)</u>	
United States	Burbank	18	
	Alcoa Inter-America) Astral Air Parts Inc.)	34*	
	Energy Services Group) Mercury Metal Products) Metal Crafters)	51*	
	Regal Stamping Company) Towne Robinson)	34*	
	United Technologies Auto. Inc.) Vanamatic Company)	34*	
	Fall River Mfg. Company) Lindstrom Metric Inc.) Security Locknut Inc.)	48*	
	Turbo Power Marine) Washers Inc.) Beloit Corporation)	47*	
	Iroquois Die & Mfg Co.) Slip On Lock Nut Co.) Namazu Fastener Corp.)	44*	
	Aero Stop Nut Co.	13	
	Okabe Co.) GKN Japan Limited) Continental Fasteners)	36*	
	TOTAL		9 150

* Aggregated to preserve confidentiality of Canadian Importers.

**NUTS: LOCK, STOP, WING AND OTHER,
OF IRON OR STEEL, NOT ELSEWHERE SPECIFIED**

FOREIGN EXPORTERS TO CANADA (Cont'd)

**STOP NUTS OF IRON OR STEEL
(H.S. 7318.16.00.20)**

Major exporters to Canada are listed in descending order of dollar value. These exporters accounted for 84 per cent of the total value of Canadian imports during 1990.

<u>Country of Origin</u>	<u>Name of Foreign Exporter</u>	<u>1990 Value of Exports to Canada (\$000)</u>
United States	Allison Gas Turbine)	
Taiwan	Getz Bros and Co. Inc.)	295*
United States	Franzco Specialties)	
	Abbott Interfast Corp.	53
	Pyle National Div. Chicago)	
	Kean Mfg Corp.)	92*
Taiwan	American Accessories)	
United States	Maclean-Fogg Company)	
Taiwan	Hi Tech Access)	40*
United States	Clos of America)	
Japan	Suzuki)	
	Aero Stop Nut Co.)	20*
United States	Motor Wheel Corp.)	
	Gardner Denver)	18*
	Burgess Powertrain)	
	Gripco)	25*
	Camcar)	
	Flexalloy)	
	Alatec)	21*
	Abex Corp.)	
Taiwan	Franzco Specialties)	
United States	Jos Dyson and Sons)	16*
Taiwan	Dorel Taiwan Inc.)	
	Standard Locknut & Lockwasher)	
	Textron Lycoming)	10*
	Industrial Nut Corp.)	
TOTAL		590

* Aggregated to preserve confidentiality of Canadian Importers.

**NUTS: LOCK, STOP, WING AND OTHER,
OF IRON OR STEEL, NOT ELSEWHERE SPECIFIED**

FOREIGN EXPORTERS TO CANADA (Cont'd)

**WING NUTS OF IRON OR STEEL
(H.S. 7318.16.00.30)**

Major exporters to Canada are listed in descending order of dollar value. These exporters accounted for 68 per cent of the total value of Canadian imports during 1990.

<u>Country of Origin</u>	<u>Name of Foreign Exporter</u>	<u>1990 Value of Exports to Canada</u> (\$000)
United States	California Industrial Products)	167*
Italy	Gamma Officine Meccaniche)	
United States	Auto Vehicle Parts Co.)	87*
	Ford Motor Company)	
	AMP Industries)	54*
	Maclean Fogg Lock Nut Co.)	
	Industrial Strainer Co.)	44*
	TRW Inc.)	
Taiwan	Gee Bridge Int'l. Inc.)	39*
Japan	Osaka Bolt & Screw Co.)	
United States	Press Way Inc.)	52*
	First Inertia Switch Ltd.)	
Taiwan	Lu Chu Shin Yee Works Co.)	
Japan	Sand K Co.)	32*
United States	Mcgard Inc.)	
	Special Plastic Products Inc.)	45*
	Tokico America Inc.)	
	Trico Products Corp.)	
	Henze Stamping & Mfg Co.)	42*
	Industrial & Automotive)	
	RPI Inc.)	
Taiwan	Specialty Auto Parts)	39*
Italy	Armec SRL)	
United States	Deckerville Die Form Co.)	
	Decouper Industries)	37*
	Helm Inc.)	
	Michigan Rivet Corp.)	

* Aggregated to preserve confidentiality of Canadian Importers.

**NUTS: LOCK, STOP, WING AND OTHER,
OF IRON OR STEEL, NOT ELSEWHERE SPECIFIED**

FOREIGN EXPORTERS TO CANADA (Cont'd)

**WING NUTS OF IRON OR STEEL (Cont'd)
(H.S. 7318.16.00.30)**

<u>Country of Origin</u>	<u>Name of Foreign Exporter</u>	<u>1990 Value of Exports to Canada (\$000)</u>
United States	Molmec Inc.)	32*
	Plastomer Corp.)	
	Chemical Sealing Corp.)	
Italy United States	D & B Plastic Products)	28*
	American Global)	
	Chemcast Corporation)	
	Hji Shear Corp.)	27*
	Mohawk Lab)	
	Washers Inc.)	
	Emhart Enterprises Corp.)	24*
	Farathane Inc.)	
	Grinnell Stamping Co.)	
Taiwan	Keenbest Co. Ltd.)	14*
Japan	Hanwa)	
United States	Aztec Manufacturing Corp.)	21*
	Delwal Corp.)	
	Federal Screw Works)	
	Iroquois Die & Mfg Co.)	21*
	Peerless Industries)	
	Ring Screw Works)	
	Groves Manufacturing Company)	18*
	Howell Industries Inc.)	
	Miniature Precision Components)	
	Nissho Iwai Corp.)	18*
	Paramount Fabricating, Inc.)	
	The Standard Products Co.)	

* Aggregated to preserve confidentiality of Canadian Importers.

**NUTS: LOCK, STOP, WING AND OTHER,
OF IRON OR STEEL, NOT ELSEWHERE SPECIFIED**

FOREIGN EXPORTERS TO CANADA (Cont'd)

**WING NUTS OF IRON OR STEEL (Cont'd)
(H.S. 7318.16.00.30)**

<u>Country of Origin</u>	<u>Name of Foreign Exporter</u>	<u>1990 Value of Exports to Canada (\$000)</u>
United States	USM Corp. Bostik Div.)	
Taiwan	Honor Best Co. Ltd.)	16*
	Arrow Fastener Co. Ltd.)	
Japan	Hy Port Fasteners)	
	Reynolds Fasteners)	10*
United States	Sasaki Metal)	
	Aeroquip Corporation)	15*
	Alpha Bolt Co.)	
	Automotive Products (U.S.A.))	
	Brighton Tool & Die Inc.)	15*
	Camcar Division of Textron Inc.)	
	Davis Tool & Engineering Co.)	
	Dayton Superior Corp.)	15*
	Gagnier Products Co.)	
	Gilreath Manufacturing Inc.)	15*
	ITW Deltar)	
	Kay Automotive Graphics)	
	Multifastener Spring)	15*
	Norton International)	
	Opdyke Stamping Inc.)	
	Penn Jacobson Fastener Corp.)	15*
	Thomas Die & Stamping Inc.)	
	Tri Clover Inc.)	
	United Technologies Auto. Inc.)	15*
	Unity Rubber Company)	

* Aggregated to preserve confidentiality of Canadian Importers.

**NUTS: LOCK, STOP, WING AND OTHER,
OF IRON OR STEEL, NOT ELSEWHERE SPECIFIED**

FOREIGN EXPORTERS TO CANADA (Cont'd)

**WING NUTS OF IRON OR STEEL (Cont'd)
(H.S. 7318.16.00.30)**

<u>Country of Origin</u>	<u>Name of Foreign Exporter</u>	<u>1990 Value of Exports to Canada (\$000)</u>
United States	Williams Form Engineering) Zenith Industrial Corp.)	10*
Taiwan	Linkwell Industries) Fehr Bros Inc.)	8*
TOTAL		990

* Aggregated to preserve confidentiality of Canadian Importers.

**NUTS: LOCK, STOP, WING AND OTHER,
OF IRON OR STEEL, NOT ELSEWHERE SPECIFIED**

FOREIGN EXPORTERS TO CANADA (Cont'd)

**OTHER NUTS OF IRON OR STEEL
(H.S. 7318.16.00.90)**

Major exporters to Canada are listed in descending order of dollar value. These exporters accounted for 67 per cent of the total value of Canadian imports during 1990.

<u>Country of Origin</u>	<u>Name of Foreign Exporter</u>	<u>1990 Value of Exports to Canada (\$000)</u>
United States	California Industrial Products	3 674
	Everlock Fastening Systems Inc.	3 212
Taiwan	San Shing Hardware Works Co.	2 767
United States	Shakeproof Division	2 362
	Kean Mfg. Corp.	1 951
	Macleam Fogg Lock Nut Co.	1 892
	TRW Fasteners Division	1 734
	Anchor Fasteners Div Buell Industries	1 664
	Ohio Jacobson Fastener Corp.	1 575
	Solex Corp.)	2 899*
	Fabristeel Products Inc.)	
	The McLaughlin Company	1 351
	Hi Vol Products Inc.	1 335
	Decker Mfg. Corp.	1 238
Japan	Nisshoo Iwal	1 219
United States	Federal Screw Works	1 053
Japan	Toyota Motor Corporation	1 035
United States	Industrial Fasteners Corp.	998

* Aggregated to preserve confidentiality of Canadian Importers.

**NUTS: LOCK, STOP, WING AND OTHER,
OF IRON OR STEEL, NOT ELSEWHERE SPECIFIED**

FOREIGN EXPORTERS TO CANADA (Cont'd)

**OTHER NUTS OF IRON OR STEEL (Cont'd)
(H.S. 7318.16.00.90)**

<u>Country of Origin</u>	<u>Name of Foreign Exporter</u>	<u>1990 Value of Exports to Canada (\$000)</u>
United States	R.B. & W. Corporation	843
	Elastic Stop Inc.	798
	Caterpillar	740
Netherlands	Nedschroef Corporation	723
Taiwan	Sumeeko Industries Co. Ltd.	720
United States	Gripco Fastener Division	695
	L & W Engineering	670
Japan	Nagano Seisakusho Co. Ltd.) Honda Motor Co. Ltd.)	1 271*
United States	Wesco Aircraft	618
	Ring Screw Works	578
China	China National	561
United States	Camcar Division of Textron Inc.	535
	Harco	527
	Fastac Inc.	508
	United Technologies Auto Inc.	476
	Stanley Industries	448
	E & E Fastener Co. Inc.	442

* Aggregated to preserve confidentiality of Canadian Importers.

**NUTS: LOCK, STOP, WING AND OTHER,
OF IRON OR STEEL, NOT ELSEWHERE SPECIFIED**

FOREIGN EXPORTERS TO CANADA (Cont'd)

**OTHER NUTS OF IRON OR STEEL (Cont'd)
(H.S. 7318.16.00.90)**

<u>Country of Origin</u>	<u>Name of Foreign Exporter</u>	<u>1990 Value of Exports to Canada (\$000)</u>
United States	Bennett Equipment Corp.	422
China	Zhejiang Machinery & Equipment	414
United States	Multifastener Spring Division	399
	Mazda (North America) Inc.)	743*
	Bristol Industries)	
	Aerospace Supply Inc.)	702*
	Ankara Ind.)	
	Burbank Aircraft Int'l. Inc.	343
	Eaton Corporation	335
	Towne Robinson Inc.	325
	Shur-Lok Corp.	318
	Defence Depot Columbus)	912*
	Deluxe Stamping & Die Company)	
	General Fasteners Co.)	
	Ford Motor Company	296
Japan	Fastac Inc.	292
United States	Daniel Industries)	573*
China	Shanghai Metals)	
Taiwan	Linkwell Ltd.	273
United States	SPS Technologies	270

* Aggregated to preserve confidentiality of Canadian Importers.

**NUTS: LOCK, STOP, WING AND OTHER,
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FOREIGN EXPORTERS TO CANADA (Cont'd)

**OTHER NUTS OF IRON OR STEEL (Cont'd)
(H.S. 7318.16.00.90)**

<u>Country of Origin</u>	<u>Name of Foreign Exporter</u>	<u>1990 Value of Exports to Canada (\$000)</u>
United States	Aviall Aerospace Hardware	269
	Kingsbury Castings Inc.)	533*
	Hatfield International)	
Japan	Hy Port Fastener Company	253
United States	Aircraft Fasteners Inc.)	735*
	H & L Tool Co.)	
Netherlands	Borstlap Bv., Netherlands)	
United States	L & L Prods Inc.	230
Taiwan	Lu Gru Shin Yee Works Co. Ltd.	218
United States	Adams Supply Co.	218
	Mcdonnell Douglas Corp.	214
	Euclid Industries)	599*
	Metalcrafters Division)	
	Ohio Nut & Bolt Co.)	
	Farathane Inc.	189
China	Ara Tube)	375*
	Steerforth Trading Ltd.)	
United States	Kaynar Microdot Fastening	186
	Star Stainless Screw Co.	185
Taiwan	NS Metal Co. Ltd.)	548*
United States	El Paso Automotive Products)	
	Key Fastener Corp.)	

* Aggregated to preserve confidentiality of Canadian Importers.

**NUTS: LOCK, STOP, WING AND OTHER,
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FOREIGN EXPORTERS TO CANADA (Cont'd)

**OTHER NUTS OF IRON OR STEEL (Cont'd)
(H.S. 7318.16.00.90)**

<u>Country of Origin</u>	<u>Name of Foreign Exporter</u>	<u>1990 Value of Exports to Canada (\$000)</u>
United States	Goodyear Tire and Rubber Co.)	357*
Taiwan	Tung Kuang Enterprises)	
United States	Curtis Industries	178
China	China Great Wall Industry)	347*
United States	ELCO Industries Inc.)	
	TRI West Products Inc.	172
	Airsupply Company)	332*
	Frazer and Jones Co.)	
Taiwan	Champ Prosperity)	322*
United States	Itt Higbie Mfg Co.)	
	ITW Deltar)	307*
	Okabe Co. Inc.)	
	Metform	151
	Huron Products Corp.)	290*
	A R A Tube Products)	
	B and E Machine Prod Co.)	412*
	Pawtucket Fasteners)	
Japan	Daido Corporation)	
Taiwan	Thread Industries Co.)	268*
China	Dynamite Trading Company)	
United States	Jos Dyson & Sons Inc.	133
Taiwan	Wellfly Enterprises Co. Ltd.	131

* Aggregated to preserve confidentiality of Canadian Importers.

**NUTS: LOCK, STOP, WING AND OTHER,
OF IRON OR STEEL, NOT ELSEWHERE SPECIFIED**

FOREIGN EXPORTERS TO CANADA (Cont'd)

**OTHER NUTS OF IRON OR STEEL (Cont'd)
(H.S. 7318.16.00.90)**

<u>Country of Origin</u>	<u>Name of Foreign Exporter</u>	<u>1990 Value of Exports to Canada</u> (\$000)
United States	Allfast Fastening Systems)	261*
	Keeler Brass Company)	
	Auto Bolt and Nut Co.	128
	Flexalloy Inc.	127
	Cadillac Rubber & Plastics Inc.) Essex Specialty Products Inc.)	249*
Japan	General Motors Parts Division) Anillo Industries)	364*
	Unico)	
	China United States	Hangzhou Spring Washer Plant) Xact Products Inc.)
United States	Manchester Stamping Corp.) Aero Hardware & Parts)	224*
	Republic Fastener Mfg Corp.	111
	Borg-Warner Automotive Inc.	110
	Taiwan Japan	NN Metal Stampings Inc.) Hy Port Fasteners) Shigeyama Co. Ltd.)
United States	H & W Screw) Certified Tool & Manufacturing)	216*
	Clark Co.	106
	Deutsch Fastener Corp.) Harnischfeger Corporation)	210*

* Aggregated to preserve confidentiality of Canadian Importers.

**NUTS: LOCK, STOP, WING AND OTHER,
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FOREIGN EXPORTERS TO CANADA (Cont'd)

**OTHER NUTS OF IRON OR STEEL (Cont'd)
(H.S. 7318.16.00.90)**

<u>Country of Origin</u>	<u>Name of Foreign Exporter</u>	<u>1990 Value of Exports to Canada (\$000)</u>
United States	Midwest Sintered Products	204*
	Ajax Bolt & Screw Div Coldhead Ultra Form	194*
	Aeroquip Corporation Lang Fastener Corp.	192*
	Pratt Whitney GE Aircraft Engines	191*
China	Carway Development Ltd.	94
United States	Delwal Corp. MC Gard Inc.	178*
	Admiral Tool & Mfg Co. Engineered Fasteners Division Vamp Company	264*
	Deere & Co. Hi Shear Corp.	174*
	Trico Products Corp. Okabe Company Ltd.	169*
Japan		
United States	Industrial Strainer Co. Brillcast Inc. Cooper Power Systems	250*
	AAR Hardware	82
	Russell Burdsall & Ward Inc.	82

* Aggregated to preserve confidentiality of Canadian Importers.

**NUTS: LOCK, STOP, WING AND OTHER,
OF IRON OR STEEL, NOT ELSEWHERE SPECIFIED**

FOREIGN EXPORTERS TO CANADA (Cont'd)

**OTHER NUTS OF IRON OR STEEL (Cont'd)
(H.S. 7318.16.00.90)**

<u>Country of Origin</u>	<u>Name of Foreign Exporter</u>	<u>1990 Value of Exports to Canada</u> (\$000)
United States	Decouper Industries) Durham Aircraft) Petoskey Plastics Inc.)	241*
China United States	MSW International Inc.) Cadillac Products Inc.)	153*
Taiwan United States	Cold Heading Co.) Hwen Hsin Enterprise Co. Ltd.) A and G Engineering)	226*
	Iroquois Die & Mfg Co.) Ramco Specialties)	150*
Taiwan United States	Par Excellence) Bundy Corporation)	146*
	Helm Inc.) Cherry Commercial Fasteners) Lawson Products Inc.)	214*
Taiwan	Steelcase) MSW International)	141*
Japan United States	Mazda North America Inc.) Modern Tool & Die Company) Spiral Industries Inc.)	208*
Netherlands Taiwan	Washers Inc.) B V Fabriek Van Klinknagels) Anchor Fasteners)	205*
Japan United States	NS Metal Co.) Dupage Fasteners Inc.)	134*

* Aggregated to preserve confidentiality of Canadian Importers.

**NUTS: LOCK, STOP, WING AND OTHER,
OF IRON OR STEEL, NOT ELSEWHERE SPECIFIED**

FOREIGN EXPORTERS TO CANADA (Cont'd)

**OTHER NUTS OF IRON OR STEEL (Cont'd)
(H.S. 7318.16.00.90)**

<u>Country of Origin</u>	<u>Name of Foreign Exporter</u>	<u>1990 Value of Exports to Canada (\$000)</u>
United States	Greer Smyrna	67
	Aadox Mfg. Co. Inc.)	
	Ashers Mfg.)	196*
	D & B Plastic Products)	
	Warren Div.	65
Japan	Tru Fit Products Corp.)	
United States	Kyo-Ei Industrial Corp.)	187*
	Herschel Corporation)	
	Yarema Die & Engineering Co.)	
	Mechanical Components Division)	184*
	Semplex Corporation)	
	The Standard Product Co.)	
	Rockford Products)	121*
Japan	C.Itoh & Co. Ltd.)	
United States	Quasar Industries)	176*
China	Hongkong Precision)	
United States	Metalcrafters)	
	Plastomer Corp.)	116*
	Automotive Products (U.S.A.))	
	Miniature Precision Components)	170*
	Defiance Stamping)	
	Highland Threads Inc.)	
	Marx Mfg.)	112*
Japan	Tokico America Inc.)	
United States	Nissan Trading Co. Ltd.)	166*
	AWT Metal Specialties Inc.)	

* Aggregated to preserve confidentiality of Canadian Importers.

**NUTS: LOCK, STOP, WING AND OTHER,
OF IRON OR STEEL, NOT ELSEWHERE SPECIFIED**

FOREIGN EXPORTERS TO CANADA (Cont'd)

**OTHER NUTS OF IRON OR STEEL (Cont'd)
(H.S. 7318.16.00.90)**

<u>Country of Origin</u>	<u>Name of Foreign Exporter</u>	<u>1990 Value of Exports to Canada (\$000)</u>
United States	Lear Siegler Inc.)	109*
	Horizon Screw Machine Products)	
	Midwest Fastener Corp.)	160*
	Aztec Manufacturing Corp.) Milwaukee Wire Products)	
	Voi Shan	53
Taiwan	Wittek Manufacturing Co.)	154*
	Automotive Appliance Co.)	
	Chun Yu Works & Co. Ltd.)	
United States	Kalamazoo Stamping & Die) Komatsu)	100*
	Leviton Mfg Corp.	50
China	Mac Donald Molding)	146*
	Bingo)	
United States	American National Rubber)	
	Bell Helicopter)	96*
	Press Way Inc.)	
Japan	Sackner Products Inc.)	143*
	Vancraft Manufacturing)	
	Suzuki)	
United States	Cs Ohm Mfg Co.)	141*
	Deckerville Die Form Co.)	
	MNP Manufacturing Corp.)	
	Navistar)	94*
	Nelson Metal Products Corp.)	

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**NUTS: LOCK, STOP, WING AND OTHER,
OF IRON OR STEEL, NOT ELSEWHERE SPECIFIED**

FOREIGN EXPORTERS TO CANADA (Cont'd)

**OTHER NUTS OF IRON OR STEEL (Cont'd)
(H.S. 7318.16.00.90)**

<u>Country of Origin</u>	<u>Name of Foreign Exporter</u>	<u>1990 Value of Exports to Canada</u> (\$000)
United States	Comet Mfg. Co.	138*
	Copper Brazing	
	Dallas Forwarding	
Japan United States	Metric Fasteners Corp.	136*
	NHK Sales Co. Ltd.	
	Mnp Fastener	
China	Sur-Flo Plastics & Engr Inc.	132*
	United Manufacturing Inc.	
	Cneerfoth	
Japan	Mansons Auto Int'l.	82*
	Aero Stop Nut Co.	
China Netherlands	Liaoning Metals & Minerals	77*
	Lubbers Bv	
Taiwan	Circle Well Co. Ltd.	71*
	Boltun Corp.	
	Mifast	63*
	Lindstrom Metric Inc.	
TOTAL		67 943

* Aggregated to preserve confidentiality of Canadian Importers.

**NUTS: LOCK, STOP, WING AND OTHER,
OF IRON OR STEEL, NOT ELSEWHERE SPECIFIED**

CANADIAN SHIPMENTS

Statistics Canada reports that there were at least nine Canadian establishments manufacturing nuts, of iron or steel with shipments of \$31.2 million in 1989 (latest year for which data are available).

Any enquiries and/or comments regarding Canadian shipments should be directed to:

Statistics Canada
Industry Division
Survey of Manufactures Section
Ottawa, Ontario
K1A 0T6
Tel.: (613) 951-9837

Source: Catalogue #41-251, annual, "Fabricated Metal Products Industries".

**NUTS: LOCK, STOP, WING AND OTHER,
OF IRON OR STEEL, NOT ELSEWHERE SPECIFIED**

CANADIAN EXPORTS BY MAJOR COUNTRY OF DESTINATION

NUTS, IRON OR STEEL, N.E.S.
(H.S. 7318.16)

1990		1991	
<u>Country</u>	<u>Value</u> (\$000)	<u>Country</u>	<u>Value</u> (\$000)
U.S.	28 929	U.S.	25 510
Mexico	154	Japan	318
Japan	139	Mexico	192
U.K.	93	U.K.	96
Netherlands	65	Denmark	89
Denmark	65	Sweden	73
Bulgaria	35	W. Germany	52
N. Zealand	34	France	47
W. Germany	34	Italy	39
Australia	32	Bulgaria	38
Others	<u>275</u>		<u>319</u>
TOTAL	29 854		26 773

NOTE: Major countries in descending order based upon value.

NUTS: LOCK, STOP, WING AND OTHER, OF IRON OR STEEL, NOT ELSEWHERE SPECIFIED

CANADIAN SUPPLIERS

The following lists are taken from two sources: a) the Business Opportunities Sourcing System (BOSS), a computerized data bank established by the Federal Department of Industry, Science and Technology Canada; and, b) the Canadian Trade Index, published by the Canadian Manufacturers' Association (CMA). These lists may not include all suppliers of the products in question, as companies must themselves register in BOSS or the Canadian Trade Index. In both cases, information on Canadian products supplied is as given by the companies.

BOSS

Companies are arranged in alphabetical order.

Nuts, Steel, Lock

<u>Name</u>	<u>Location</u>
*Androck/Bulldog Div. of Newell Canada Desormeau Industries Inc.	Waterford, Ont. St-Léonard, Qué.
*H. Paulin & Co. Ltd. Industries Desormeau Inc. Infasco Div. of Ivaco Inc. Russo & Mariano Screw Products Ltd.	Scarborough, Ont. Montréal, Qué. Marieville, Qué. Woodbridge, Ont.
*Stelco Enterprises	Toronto, Ont.
*Triad-Triumph Ltd.	Rexdale, Ont.

Nuts, Steel, Stop

<u>Name</u>	<u>Location</u>
*Androck/Bulldog Div. of Newell Canada Desormeau Industries Inc. Industries Desormeau Inc. Russo & Mariano Screw Products Ltd. Stelco Enterprises	Waterford, Ont. St-Léonard, Qué. Montréal, Qué. Woodbridge, Ont. Toronto, Ont.
*Triad-Triumph Ltd.	Rexdale, Ont.

Nuts, Steel, Wing

<u>Name</u>	<u>Location</u>
*Androck/Bulldog Div. of Newell Canada Desormeau Industries Inc. Industries Desormeau Inc. Infasco Div. of Ivaco Inc. Russo & Mariano Screw Products Ltd. Stelco Enterprises	Waterford, Ont. St-Léonard, Qué. Montréal, Qué. Marieville, Qué. Woodbridge, Ont. Toronto, Ont.
*Triad-Triumph Ltd.	Rexdale, Ont.
*W&A Moir Limited	Halifax, N.S.

* Company engaged in export trade.

**NUTS: LOCK, STOP, WING AND OTHER,
OF IRON OR STEEL, NOT ELSEWHERE SPECIFIED**

CANADIAN SUPPLIERS (Cont'd)

BOSS (Cont'd)

Nuts, Steel, N.E.S.

<u>Name</u>	<u>Location</u>
*Androck/Bulldog Div. of Newell Canada Desormeau Industries Inc. Industries Desormeau Inc.	Waterford, Ont. St-Léonard, Qué. Montréal, Qué.
*Infasco Div. of Ivaco Inc. Opus Industries Inc. Russo & Mariano Screw Products Ltd.	Marieville, Qué. Weston, Ont. Woodbridge, Ont.
*Stelco Enterprises	Toronto, Ont.
*W&A Moir Limited	Halifax, N.S.

Any enquiries and/or comments regarding the BOSS list should be directed to:

Business Opportunities Sourcing System
Industry, Science and Technology Canada
235 Queen Street
Ottawa, Ontario K1A 0H5
Tel.: (613) 954-5031
Telex: 053-4123
Fax.: (613) 954-1894

* Company engaged in export trade.

**NUTS: LOCK, STOP, WING AND OTHER,
OF IRON OR STEEL, NOT ELSEWHERE SPECIFIED**

CANADIAN SUPPLIERS (Cont'd)

CANADIAN TRADE INDEX

Companies are arranged in alphabetical order.

Nuts, fasteners, Specialty. Alloy (1); Anchor (2); Blind (3); Corrosion Resistant (Aluminum, Brass, Bronze, Stainless Steel, etc.) (4); Plastic, Nylon, etc. (5); Self-Locking (6); Sleeve or Coupling (7); Special or Custom-made (8); Stamped (9); Tee (10); Weld (11)

<u>Name</u>	<u>Location</u>
Anthony Screw Products Ltd.	Oakville, Ont.
*Canadian Threadall Ltd.	Waterloo, Ont. (8)
*Capital Metal Industries, a Div. of H. Paulin & Co. Limited	Scarborough, Ont. (1)(2)(4)(6) (8)(9)(10)(11)
Columbia International Inc.	Longueuil, Qué. (6)(9)
*Eaton Yale Limited, Engineered Fasteners Operations	Hamilton, Ont. (6)(9)
Formex Metal Industries Inc.	Kitchener, Ont. (1)(3)(4)(5)(8)
G.R.T. Genesis Inc.	Mississauga, Ont. (4)(5)
Industrial Screw & Forge	Montréal, Qué. (1)(4)(6)(7)(8)
*Infasco/Division of Ivaco Inc.	Marieville, Qué. (1)(6)(8)(11)
Ingersoll Fasteners	Ingersoll, Ont.
Inspira Systems Ltd.	Edmonton, Alta. (1)
Jeyco Machine Products	Mississauga, Ont. (8)
*Lamson & Sessions of Canada Ltd.	Mississauga, Ont. (1)(6)(8)(11)
*Leland Industries Inc.	Markham, Ont.
Lister Bolt & Chain Ltd.	Richmond, B.C. (1)(2)(6)(7) (8)(10)
Long-Lok Canada	Scarborough, Ont. (6)
Merritt Machine Works Ltd.	Merritt, B.C. (8)
Parquet-Hannifin (Canada) Inc.	Grimsby, Ont. (1)(4)(8)
*Paulin, H. & Co. Limited	Scarborough, Ont. (1)(4)(5)(6) (8)(9)
Pazmac Enterprises Ltd.	Surrey, B.C. (8)
Petrum Screw Products Co. Ltd.	Mississauga, Ont. (4)
Precision Small Parts Limited	Aurora, Ont. (10)(4)(5)(7)(8)
Precisioneering Limited	Scarborough, Ont. (5)
*Robertson Whitehouse	Milton, Ont. (4)
*Sido (Groupe) Ltée.	Granby, Qué. (4)(5)(8)
Specialty Fasteners Ltd.	Mississauga, Ont.
*Stelco Inc.	Toronto, Ont. (1)(2)(6)
Swissway Machining Ltd.	Scarborough, Ont. (1)(2)(3)(5) (6)(11)
Townsend Division of Textron Canada Limited	Gananoque, Ont. (2)(6)
*Triplex Engineering Co. Ltd.	Pointe-Claire, Qué. (8)
Western Canada Steel Limited	North Vancouver, B.C. (1)
Zenith Screw Company Limited	Rexdale, Ont. (5)

* Company engaged in export trade.

**NUTS: LOCK, STOP, WING AND OTHER,
OF IRON OR STEEL, NOT ELSEWHERE SPECIFIED**

CANADIAN SUPPLIERS (Cont'd)

CANADIAN TRADE INDEX

Any enquiries and/or comments regarding the Canadian Trade Index list should be directed to:

The Canadian Manufacturers' Association
4th Floor
75 International Boulevard
Etobicoke, Ontario
M9W 6L9
Tel.: (416) 798-8000
Fax.: (416) 798-8050

**NUTS: LOCK, STOP, WING AND OTHER,
OF IRON OR STEEL, NOT ELSEWHERE SPECIFIED**

UNITED STATES IMPORTS

BY MAJOR COUNTRY OF ORIGIN

**NUTS, THREADED OF IRON OR STEEL
(H.S. 7318.16.00.00)**

<u>Country of Origin</u>	<u>1989</u>	<u>1990</u>	<u>1991</u>	<u>1992*</u>	<u>Average Annual Growth Rate 1989-91 (%)</u>
Taiwan					
Quantity (000 KG)	59 337	62 778	66 445	18 953	5.8
Value (\$000)	110 201	103 647	99 011	26 922	-5.2
Japan					
Quantity (000 KG)	31 431	30 233	26 532	6 166	-8.1
Value (\$000)	109 565	106 490	92 142	22 421	-8.3
Canada					
Quantity (000 KG)	13 678	12 007	9 033	2 314	-18.7
Value (\$000)	30 650	28 809	24 972	6 885	-9.7
China					
Quantity (000 KG)	23 132	13 130	11 390	1 923	-29.8
Value (\$000)	21 081	13 075	11 919	2 773	-24.8
Republic of Korea					
Quantity (000 KG)	11 197	7 952	6 322	1 529	-24.9
Value (\$000)	13 704	10 772	9 711	2 276	-15.8
France					
Quantity (000 KG)	123	181	187	46	23.3
Value (\$000)	8 388	9 532	9 562	2 703	6.8
Fed. Rep. of Germany					
Quantity (000 KG)	2 068	1 933	1 528	341	-14.0
Value (\$000)	8 329	8 615	7 398	1 652	-5.8
Netherlands					
Quantity (000 KG)	4 761	3 755	2 736	522	-24.2
Value (\$000)	7 604	6 993	4 804	960	-20.5
United Kingdom					
Quantity (000 KG)	160	203	262	45	28.1
Value (\$000)	2 772	3 014	4 355	834	25.3
Italy					
Quantity (000 KG)	1 121	1 073	1 122	442	0.0
Value (\$000)	4 187	3 734	4 312	1 247	1.5
Other					
Quantity (000 KG)	6 136	7 604	3 360	900	-26.0
Value (\$000)	12 131	12 660	9 679	2 520	-10.7
Total					
Quantity (000 KG)	153 142	140 851	128 916	33 181	-8.3
Value (\$000)	328 613	307 341	277 863	71 194	-8.0

NOTES: Ranked in descending order by 1991 value.

* The latest year is cumulative to the first quarter.

Source: U.S. Department of Commerce.

**NUTS: LOCK, STOP, WING AND OTHER,
OF IRON OR STEEL, NOT ELSEWHERE SPECIFIED**

TARIFFS

CANADIAN

Canadian imports included in this report are dutiable under the following Canadian tariff item:

<u>Tariff Item</u>	<u>Description of Goods</u>	<u>Tariff Treatment - 1992</u>		
		<u>Most Favoured Nation Tariff</u>	<u>General Preferential Tariff</u>	<u>United States Tariff</u>
7318.16.00	--Nuts	10.2% BPT 7.5%	6.5%	6.1%

TARIFF ARRANGEMENTS AND FOREIGN COUNTRIES OF EXPORT

Exporting countries as shown in this report which qualify for the Most Favoured Nation tariff treatment: Austria, Brazil, Federal Republic of Germany, Finland, France, Ireland, Italy, Japan, Netherlands, Sweden, Switzerland, Taiwan, United Kingdom.

Exporting countries as shown in this report which qualify for the Most Favoured Nation tariff treatment or General System of Preference tariff treatment (In order to qualify for the General System of Preference, a special certificate of origin is required.): China, India, Hong Kong, Mexico, Republic of Korea.

Enquiries concerning Canadian tariffs should be directed to the nearest Customs and Excise office or to:

Tariff Programs
Revenue Canada
Customs and Excise
Ottawa, Ontario
K1A 0L5
Tel.: (613) 954-6908
Fax.: (613) 954-2509

**NUTS: LOCK, STOP, WING AND OTHER,
OF IRON OR STEEL, NOT ELSEWHERE SPECIFIED**

TARIFFS (Cont'd)

UNITED STATES

United States imports included in this report are dutiable under the following U.S. tariff item:

<u>Tariff Item</u>	<u>Description of Goods</u>	<u>Rates of Duty - 1992</u>		
		<u>General</u>	<u>1</u>	<u>2</u>
7318.16.00	Nuts	0.2%	FREE (B,E,IL) 0.1% (CA) 1/	45%

- | | | |
|---|---|----|
| 1 | Automotive Products Trade Act | B |
| | United States-Canada Free-Trade Agreement | CA |
| | Caribbean Basin Economic Recovery Act | E |
| | United States-Israel Free Trade Area | IL |

Equipment, originating in the territory of Canada, intended for use in the repair or maintenance of certain motor vehicles subject to accelerated staged rate reduction 1/

- 2 Notwithstanding any other provisions, the rates of duty shall apply to products, whether imported directly or indirectly, of the following countries and areas pursuant to section 401 of the Tariff Classification Act of 1962, to section 231 or 257(e)(2) of the Trade Expansion Act of 1962, to section 404(a) of the Trade Act of 1974 or to any other applicable section of law, or to action taken by the President thereunder:

Afghanistan	German Democratic Republic (former)	Mongolia
Albania	Kampuchea	North Korea
Bulgaria	Laos	Romania
Cuba	Latvia	Union of Soviet Socialist Republics (former)
Czechoslovakia	Lithuania	Vietnam
Estonia		

FOREIGN COUNTRIES

Enquiries concerning tariffs and other government trade regulations in foreign countries should be directed to:

Info Export
External Affairs
Ottawa, Ontario
K1A 0G2
Tel.: (613) 993-6435 or 1-800-267-8376
Fax.: (613) 996-9709

NUTS: LOCK, STOP, WING AND OTHER, OF IRON OR STEEL, NOT ELSEWHERE SPECIFIED

MARKET OVERVIEW

The Wire and Wire Products Industry in Canada is classified under the Standard Industrial Classification (SIC) number 305 and is composed of the following sub-sectors: upholstery and coil spring industry, wire and wire rope industry, industrial fastener industry and other wire products industries. Bolts and nuts are part of the industrial fastener industry sub-sector.

Bolts and nuts are manufactured in Canada. As well there is a significant volume of imports and exports of each item. Most imports and exports are between Canada and the United States.

While it is not possible to say what the value of shipments was for nuts and bolts, the value of shipments for the entire Wire and Wire Products Industry has declined steadily since 1988 when it was \$1.890 billion to \$1.728 billion in 1990 and \$1.513 billion in 1991. However, it is expected that the value of domestic shipments of bolts and nuts has also declined over this period as well.

Imports consist primarily of mass produced items where Canadian firms find it difficult to compete with manufacturers in other countries. Exports tend to be concentrated on more specialized products where quality, service and prompt service are at least as important as price. This is particularly the case for Canada's exports to the United States.

Self-locking, self-tightening stay-put threaded fasteners, be they bolts or nuts, are currently available on the Canadian market. If this product is targeted to specific product segments and is a specialized product it may fill a niche in the market.

For a general overview of the Wire and Wire Products Industry, the department's industry profile on Wire and Wire Products may also prove useful.

David Fife
Primary Metals Directorate

**NUTS: LOCK, STOP, WING AND OTHER,
OF IRON OR STEEL, NOT ELSEWHERE SPECIFIED**

dISTCcovery - TECHNOLOGY LICENSING OPPORTUNITIES

dISTCcovery is an ISTC service designed to create industry awareness of the world-wide supply of transferable technology available through licensing and joint ventures.

dISTCcovery provides access to international data bases containing thousands of licensing offers for new products, processes and technologies originating from around the world.

dISTCcovery introduces you to companies and organizations from around the world who are willing to licence the right to manufacture and sell their product or use their process or know-how in an agreed market area. The reverse is also possible. A Canadian company can also use **dISTCcovery** to promote their unique product or process for licensing internationally.

The following is a list of licensing opportunities identified from **dISTCcovery** using the keyword "nut".

- 1- Universal Replacement Nut
- 2- Flower Nut (532)

For more information on these and other opportunities, contact the nearest ISTC Regional Office listed at the end of this publication or the Market Intelligence and Technology Opportunities Service at (613) 954-4040.



dISTCcovery

YOUR WINDOW TO A WORLD OF BUSINESS OPPORTUNITIES
UNE FENÊTRE SUR DES PERSPECTIVES COMMERCIALES

FOR MORE INFORMATION PLEASE CONTACT:

Market Intelligence and Technology
Opportunities Service
Services to Business Branch
Industry, Science and Technology Canada
235 Queen Street
Ottawa, Ontario
K1A 0H5
Tel.: (613) 954-4970
Fax.: (613) 954-5463

OR Primary Metals Directorate
Materials Branch
Industry, Science and Technology Canada
235 Queen Street
Ottawa, Ontario
K1A 0H5
Tel.: (613) 954-1488
Fax.: (613) 954-1894

ISTC BUSINESS SERVICE CENTRES

These centres have been established at headquarters and in every regional office to provide clients with a gateway into the complete range of ISTC services, information products, programs and expertise.

REGIONAL OFFICES

QUÉBEC

ISTC
Tour de la Bourse, Suite 3800
800 Victoria Place
P.O. Box 247
Montréal, Qué. H4Z 1E8
Tel.: (514) 283-8185
or 1-800-361-5367
Fax.: (514) 283-3302

NEWFOUNDLAND

ISTC
Atlantic Place
215 Water Street, 5th Floor
P.O. Box 8950
St. John's, Nfld. A1B 3R9
Tel.: (709) 772-ISTC
Fax.: (709) 772-5093

PRINCE EDWARD ISLAND

ISTC
Confederation Court Mall
134 Kent Street, Suite 400
P.O. Box 1115
Charlottetown, P.E.I. C1A 7M8
Tel.: (902) 566-7400
Fax.: (902) 566-7450

ONTARIO

ISTC
Dominion Public Building
1 Front Street West, 4th Floor
Toronto, Ont. M5J 1A4
Tel.: (416) 973-ISTC
Fax.: (416) 973-8714

NOVA SCOTIA

ISTC
Central Guaranty Trust Tower
1801 Hollis Street, 5th Floor
P.O. Box 940, Station 'M'
Halifax, N.S. B3J 2V9
Tel.: (902) 426-7259
Fax.: (902) 426-2624

NEW BRUNSWICK

ISTC
Assumption Place, 12th Floor
770 Main Street
P.O. Box 1210
Moncton, N.B. E1C 8P9
Tel.: (506) 857-ISTC
Fax.: (506) 851-6429

MANITOBA

ISTC
8th Floor
330 Portage Avenue
P.O. Box 981
Winnipeg, Man.
R3C 2V2
Tel.: (204) 983-ISTC
Fax.: (204) 983-2187

SASKATCHEWAN

ISTC
401-119 4th Avenue South
Saskatoon, Sask.
S7K 5X2
Tel.: (306) 975-4386
Fax.: (306) 975-5334

BRITISH COLUMBIA

ISTC
Suite 900
Scotia Tower
650 West Georgia St.
P.O. Box 11610
Vancouver, B.C. V6B 5H8
Tel.: (604) 666-0266
Fax.: (604) 666-0277

REGIONAL OFFICES (Cont'd)

ALBERTA

ISTC
Room 540
Canada Place
9700 Jasper Avenue
Edmonton, Alta. T5J 4C3
Tel.: (403) 495-ISTC
Fax.: (403) 495-4507

ISTC
Suite 1100
510-5th Street South West
Calgary, Alta. T2P 3S2
Tel.: (403) 292-4575
Fax.: (403) 292-4578

YUKON

ISTC
Suite 210
300 Main Street
Whitehorse, Y.T. Y1A 2B5
Tel.: (403) 667-3921
Fax.: (403) 668-5003

NORTHWEST TERRITORIES

ISTC
10th Floor
Precambrian Building
P.O. Bag 6100
Yellowknife, N.W.T. X1A 2R3
Tel.: (403) 920-8568
Fax.: (403) 873-6228

HEADQUARTERS

ISTC
1st Floor, East Tower
235 Queen Street
Ottawa, Ont. K1A 0H5
Tel.: (613) 952-ISTC
Fax.: (613) 957-7942



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This report has helped me/us in

planning product development identifying new markets identifying new buyers
 other (specify)

Comments

I would like more information on

Market Intelligence Service dISTCoverly Other ISTC Services (specify)

Name/Title/Company/Address/Tel. No./FAX

Line of Business

ISTC 2188 (6/92)

To help us serve you better, please complete the card above
and return to us. Thank you for your help and interest.

Manager, Market Intelligence
and Technology Opportunities Service
Telephone (613) 954-4970 Facsimile (613) 954-5463

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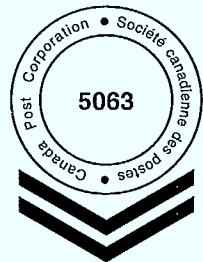
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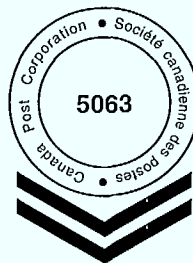


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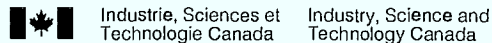
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Service des renseignements commerciaux
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235, rue Queen**

Ottawa, Canada
K1A 9Z9

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**Gestionnaire, Service des renseignements commerciaux
et des possibilités technologiques
Téléphone (613) 954-4970 Télécopieur (613) 954-5463**



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Observations		

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 Le service des renseignements commerciaux DISTCoverly D'autres services offerts par ISTC (préciser)

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