

HF3221
.M3

92041



Industry, Science and
Technology Canada

Industrie, Sciences et
Technologie Canada

IC

MARKET INTELLIGENCE

**SCREWS: AIRCRAFT AND OTHER,
NOT ELSEWHERE SPECIFIED
OF IRON OR STEEL**

Pub. No.: 92041-IP

August 1992



Canada



ID. 92-0486

**SCREWS: AIRCRAFT AND OTHER,
NOT ELSEWHERE SPECIFIED
OF IRON OR STEEL**

Pub. No.: 92041-IP

August 1992

INDUSTRY, SCIENCE AND
TECHNOLOGY CANADA
LIBRARY

DEC 14 1992

BSNB
BIBLIOTHÈQUE
INDUSTRIE, SCIENCES ET
TECHNOLOGIE CANADA

Beverley Friel
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

REFERENCE SOURCES

Industry, Science and Technology Canada
Statistics Canada, Tel.: (613) 951-9647
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
CANADIAN IMPORT TRENDS	6
SUMMARY	6
BY MAJOR COUNTRY OF ORIGIN	7
BY PROVINCE OF CLEARANCE	9
CANADIAN IMPORTERS	11
FOREIGN EXPORTERS TO CANADA	14
CANADIAN SHIPMENTS	23
CANADIAN EXPORTS BY MAJOR COUNTRY OF DESTINATION	24
CANADIAN SUPPLIERS	25
UNITED STATES IMPORTS	29
SUMMARY	29
TARIFFS	30
CANADIAN	30
UNITED STATES	31
MARKET OVERVIEW	33
dISTCcovery - TECHNOLOGY LICENSING OPPORTUNITIES	34



SCREWS: AIRCRAFT AND OTHER, NOT ELSEWHERE SPECIFIED OF IRON OR STEEL

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. The following is a list of Harmonized System (H.S.) import commodity codes dealing with screws. This report deals only with aircraft and other screws, N.E.S. of iron or steel (H.S. 7318.15.00.31 and 7318.15.00.39). Other related reports are also listed.

<u>Description</u>	<u>H.S. Commodity Codes Analyzed</u>	<u>Related Reports Pub. Nos.</u>	<u>1991 Import Value (\$000)</u>
Other screws and bolts, whether or not with their nuts or washers, iron or steel (H.S. 7318.15.00)			
Cap screws (H.S. 7318.15.00.11, 7318.15.00.12)		92042-IP	12 999
Machine screws (H.S. 7318.15.00.21, 7318.15.00.29)		92043-IP	19 698
Aircraft screws	7318.15.00.31		5 389
Other screws, N.E.S.	7318.15.00.39		50 216
Drywall (H.S. 7318.15.00.32)			4 061
Sems (H.S. 7318.15.00.33)			4 578

Total imports in 1991 for all of the above products were valued at \$97.0 million. Imports of aircraft and other screws, N.E.S. included in this report amounted to \$55.6 million or 57 per cent of the total.

NOTE: The Canadian and United States coding systems are not comparable beyond the H.S. 6 level for aircraft and other screws, N.E.S. of iron or steel, as contained in this report. The United States H.S. Codes are defined on Page 29.

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

**SCREWS: AIRCRAFT AND OTHER,
NOT ELSEWHERE SPECIFIED OF IRON OR STEEL**

CANADIAN IMPORT TRENDS

SUMMARY

<u>Description and Commodity Code</u>	<u>Total Imports</u>				<u>Major Country of Export to Canada</u> % of Total Value			
	<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>
-----Aircraft screws H.S. 7318.15.00.31	3 217	6 176	5 389	1 133	90%	89%	69%	58%
-----Other screws N.E.S. H.S. 7318.15.00.39	<u>54 254</u>	<u>56 513</u>	<u>50 216</u>	<u>14 456</u>	77%	81%	79%	81%
Total	57 471	62 689	55 605	15 589				

Ranked in descending order by 1991 value.

* The latest year is cumulative to the first quarter.

**SCREWS: AIRCRAFT AND OTHER,
NOT ELSEWHERE SPECIFIED OF IRON OR STEEL**

CANADIAN IMPORT TRENDS (Cont'd)

BY MAJOR COUNTRY OF ORIGIN

**AIRCRAFT SCREWS
(H.S. 7318.15.00.31)**

<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)	2 906	5 511	3 729	660	13.3
Italy					
Value (\$000)	0	363	1 155	257	6 033.4
United Kingdom					
Value (\$000)	195	164	301	122	24.5
France					
Value (\$000)	75	84	73	39	-1.4
Fed. Rep. of Germany					
Value (\$000)	8	22	54	18	154.0
Canada					
Value (\$000)	29	15	44	35	23.8
Taiwan					
Value (\$000)	-	-	24	-	0.0
Netherlands					
Value (\$000)	-	14	3	-	-78.3
Sweden					
Value (\$000)	0	2	3	-	400.4
Austria					
Value (\$000)	1	0	1	-	-28.1
Other					
Value (\$000)	3	2	2	2	-24.5
Total					
Value (\$000)	<u>3 217</u>	<u>6 176</u>	<u>5 389</u>	<u>1 133</u>	<u>29.4</u>

Ranked in descending order by 1991 value.

* The latest year is cumulative to the first quarter.

**SCREWS: AIRCRAFT AND OTHER,
NOT ELSEWHERE SPECIFIED OF IRON OR STEEL**

CANADIAN IMPORT TRENDS (Cont'd)

BY MAJOR COUNTRY OF ORIGIN (Cont'd)

**OTHER SCREWS, N.E.S.
(H.S. 7318.15.00.39)**

<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)	42 040	45 788	39 800	11 672	-2.7
Taiwan					
Value (\$000)	5 383	3 609	4 151	1 308	-12.2
Japan					
Value (\$000)	2 619	2 907	2 191	718	-8.5
Fed. Rep. of Germany					
Value (\$000)	789	998	1 329	250	29.8
Switzerland					
Value (\$000)	491	502	510	94	1.9
Netherlands					
Value (\$000)	544	503	484	77	-5.7
China					
Value (\$000)	282	231	314	16	5.6
Italy					
Value (\$000)	343	497	279	65	-9.7
Republic of Korea					
Value (\$000)	220	227	239	80	4.2
Belgium					
Value (\$000)	44	134	238	15	133.0
Other					
Value (\$000)	1 501	1 117	682	163	-32.6
Total					
Value (\$000)	54 254	56 513	50 216	14 456	-3.8

Ranked in descending order by 1991 value.

* The latest year is cumulative to the first quarter.

**SCREWS: AIRCRAFT AND OTHER,
NOT ELSEWHERE SPECIFIED OF IRON OR STEEL**

CANADIAN IMPORT TRENDS (Cont'd)

BY PROVINCE OF CLEARANCE

**AIRCRAFT SCREWS
(H.S. 7318.15.00.31)**

<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)	1 325	4 649	3 847	703	70.4
Québec Value (\$000)	1 273	1 011	902	297	-15.8
British Columbia Value (\$000)	325	261	268	72	-9.1
Manitoba Value (\$000)	139	143	231	41	29.0
Alberta Value (\$000)	130	103	113	20	-6.8
Nova Scotia Value (\$000)	5	9	27	0	141.0
Newfoundland Value (\$000)	-	0	0	-	-20.4
Saskatchewan Value (\$000)	22	-	-	-	0.0
Total Value (\$000)	3 217	6 176	5 389	1 133	29.4

Ranked in descending order by 1991 value.

* The latest year is cumulative to the first quarter.

**SCREWS: AIRCRAFT AND OTHER,
NOT ELSEWHERE SPECIFIED OF IRON OR STEEL**

CANADIAN IMPORT TRENDS (Cont'd)

BY PROVINCE OF CLEARANCE (Cont'd)

**OTHER SCREWS, N.E.S.
(H.S. 7318.15.00.39)**

<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)	43 120	47 698	42 206	12 145	-1.1
Québec					
Value (\$000)	7 758	5 217	4 994	1 557	-19.8
British Columbia					
Value (\$000)	1 516	1 626	1 197	318	-11.1
Alberta					
Value (\$000)	606	752	773	182	12.9
Manitoba					
Value (\$000)	826	887	668	149	-10.1
Saskatchewan					
Value (\$000)	92	131	170	57	35.6
New Brunswick					
Value (\$000)	109	74	102	26	-3.6
Nova Scotia					
Value (\$000)	219	124	86	19	-37.4
Prince Edward Island					
Value (\$000)	1	-	14	3	272.0
Newfoundland					
Value (\$000)	6	4	7	1	8.0
Total					
Value (\$000)	<u>54 254</u>	<u>56 513</u>	<u>50 216</u>	<u>14 456</u>	<u>-3.8</u>

Ranked in descending order by 1991 value.

* The latest year is cumulative to the first quarter.

**SCREWS: AIRCRAFT AND OTHER,
NOT ELSEWHERE SPECIFIED OF IRON OR STEEL**

CANADIAN IMPORTERS

**AIRCRAFT SCREWS
(H.S. 7318.15.00.31)**

There were 130 known importers in 1990. The principal 15 importers accounted for 90 per cent of the total import value.

<u>Principal Importers</u> (No.)	<u>Cumulative Value</u> (\$000)	<u>Cumulative % of Total Value</u>
3	3 807	62
6	4 582	74
10	5 179	84
15	5 570	90
25	5 873	95
All Importers (130)	6 176	100

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>
Aerobond Technologies Ltd.	Scarborough, Ont.	Canadian Helicopters Ltd.	Richmond, B.C.
Air Canada Facilities & Supply Ltd.	St-Laurent, Qué.	General Electric Canada Inc.	Mississauga, Ont.
Aircraft Appliances & Equipment Ltd.	Brampton, Ont.	Heroux Limited	Longueuil, Qué.
Allied-Signal Canada Inc.	Etobicoke, Ont.	Huck Manufacturing Company (Canada) Ltd.	Etobicoke, Ont.
Aviall Canada Ltd.	Richmond, B.C.	Interfast Inc.	Etobicoke, Ont.
Aviation Supply Corp.	Surrey, B.C.	Leavens Aviation Inc.	Mississauga, Ont.
Bell Helicopter Ltée.	St-Janvier, Qué.	MBB Helicopter Canada Limited	Fort Erie, Ont.
Bendix Avelex Inc.	Montréal, Qué.	McDonnell Douglas Canada Ltd.	Mississauga, Ont.
Boeing Canada Limited, The Dehavilland Division	Downsview, Ont.	Menasco Aerospace Ltd.	Oakville, Ont.
Boeing of Canada Ltd. Arnprior Division	Arnprior, Ont.	Northwest Industries Ltd.	Edmonton, Alta.
Bourjeurd Specialty Products Inc.	Mississauga, Ont.	Pratt And Whitney Canada Inc.	Longueuil, Qué.
Bristol Aerospace Ltd.	Winnipeg, Man.	Rolls-Royce (Canada) Limited	Lachine, Qué.
Canadair Ltd.	Montréal, Qué.	S Litton Systems (Canada) Ltd.	Etobicoke, Ont.
Canadian Airlines Int'l Ltd.	Calgary, Alta.	Spar Aerospace Products Ltd.	Toronto, Ont.
		Standard Aero Limited	Winnipeg, Man.
		Textron Canada Ltd.	Rhode Island, RI, U.S.*
		Toronto Fastener Industries Inc.	Mississauga, Ont.
		Wesco Aircraft Canada Ltd.	Mississauga, Ont.

* Non resident importer.

**SCREWS: AIRCRAFT AND OTHER,
NOT ELSEWHERE SPECIFIED OF IRON OR STEEL**

CANADIAN IMPORTERS (Cont'd)

**OTHER SCREWS, N.E.S.
(H.S. 7318.15.00.39)**

There were 2 209 known importers in 1990. The principal 25 importers accounted for 63 per cent of the total import value.

<u>Principal Importers</u> (No.)	<u>Cumulative Value</u> (\$000)	<u>Cumulative % of Total Value</u>
3	23 572	42
6	26 366	47
10	28 980	51
15	31 552	56
25	35 496	63
84	45 239	80
All Importers (2 209)	56 513	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>
3327 Investments Ltd.	Richmond, B.C.	Combustion Engineering Canada Inc.	Ottawa, Ont.
AMP of Canada Ltd.	Markham, Ont.	Construction Fasteners Inc.	Oakville, Ont.
Abercorn Aero (1974) Limited	Roxboro, Qué.	Curtis Industries of Canada Ltd.	Etobicoke, Ont.
Accurate Fasteners Ltd.	Concord, Ont.	Department Of National Defense	Ottawa, Ont.
AH Bolt & Nut Co. Ltd.	Windsor, Ont.	Direct Fasteners Limited	Etobicoke, Ont.
Autosystems Manufacturing Inc.	Belleville, Ont.	Docap (1985) Corporation	Etobicoke, Ont.
Bell Fasteners Canada Inc.	Mississauga, Ont.	Dortec Industries Division of Magna International Canada Inc.	Newmarket, Ont.
Bombardier Inc.	Valcourt, Qué.	Duro Dyne Canada Inc.	Lachine, Qué.
Bowman Products Canada Ltd.	Concord, Ont.	E Kurt Kemsies Ltd.	Scarborough, Ont.
Brampton Fastener Co. Ltd.	Brampton, Ont.	Electro Porcelain Co. Ltd.	Waterloo, Ont.
Brighton Best Socket Screw Mfg. Ltd.	Teaneck, NJ, U.S.*	Emab Canada Div. of Euroclean Canada Inc.	Cambridge, Ont.
British Fastening Systems Ltd.	Downsview, Ont.	Fasteners & Fittings Inc.	Mississauga, Ont.
CAE Electronics Ltd.	St-Laurent, Qué.	Freightliner of Canada Ltd.	Calgary, Alta.
Canadian ASE Ltd.	Downsview, Ont.	General Motors of Canada Limited	Oshawa, Ont.
Canadian Tire Corporation Ltd.	Toronto, Ont.	Georges Nadeau Inc.	Ancienne Lorete, Qué.
Carter Automotive Canada Limited	Brampton, Ont.		
Chrysler Canada Limited	Windsor, Ont.		

* Non resident importer.

**SCREWS: AIRCRAFT AND OTHER,
NOT ELSEWHERE SPECIFIED OF IRON OR STEEL**

CANADIAN IMPORTERS (Cont'd)

**OTHER SCREWS, N.E.S. (Cont'd)
(H.S. 7318.15.00.39)**

<u>Name</u>	<u>Location</u>	<u>Name</u>	<u>Location</u>
Gould Fasteners Limited	Mississauga, Ont.	Paccar Du Canada Ltée	Ste-Thérèse-De-Blainville, Qué.
Paulin & Company Ltd.	Scarborough, Ont.		Burnaby, B.C.
Hafele Canada Inc.	Mississauga, Ont.	Pacific Fasteners Ltd.	Cambridge, Ont.
Hiseal Manufacturing Limited	Brampton, Ont.	Parts Industries Inc.	
Honda of Canada Mfg. Inc.	Alliston, Ont.	Pechiney World Trade (Canada) Inc.	Mississauga, Ont.
IlSCO of Canada Ltd.	Mississauga, Ont.	Pratt And Whitney Canada Inc.	Longueuil, Qué.
Ingersoll Fastners Division of Ingersoll Machine & Tool Co. Ltd.	Ingersoll, Ont.	Quality Safety Systems Co. Ltd.	Windsor, Ont.
Integram Windsor Seating Ltd.	Windsor, Ont.	Rapid Nail Incorporated	Port Sydney, Ont.
Interfast Inc.	Etobicoke, Ont.	SWF Auto Electric Div. of ITT Industries of Canada Ltd.	Mississauga, Ont.
Irwin Industrial Agencies Ltd.	Richmond Hill, Ont.	Siemens Automotive Ltd.	Chatham, Ont.
ITW Canada Inc. Buildex Division	Markham, Ont.	Siemens Electric Limited	Mississauga, Ont.
Jeep Corporation C/O TOS Limited	London, Ont.	Spae-Naur Inc.	Kitchener, Ont.
Jl Case Canada a Div. of Tenneco Canada Inc.	Brampton, Ont.	Spar Aerospace Products Ltd.	Toronto, Ont.
John Deere Ltd.	Grimsby, Ont.	Standco Canada Limited	Concord, Ont.
Johnson Controls Ltd.	Orangeville, Ont.	Star Expansion Ind. Ltd.	Brampton, Ont.
Komdresco Canada Inc.	Cambridge, Ont.	Star Expansion Shields Ltd.	Mississauga, Ont.
Lear Seating Canada Ltd.	Kitchener, Ont.	Stelco Inc.	Hamilton, Ont.
Les Attaches Metrican Ltée	Montréal, Qué.	Tecumseh Products of Canada Ltd.	London, Ont.
Les Attaches Reliable 1980 Inc.	Outremont, Qué.	The Complax Corporation	Cobourg, Ont.
Les Industries Dorel Inc.	St-Léonard, Qué.	The Woodbridge Foam Corporation	Mississauga, Ont.
Litens Automotive Partnership O/B Litens Automotive Inc.	Woodbridge, Ont.	Thompson Consumer Electronics Canada Inc.	Mississauga, Ont.
Mack Canada Inc.	Etobicoke, Ont.	Threadfast Manufacturing Ltd.	Vancouver, B.C.
Magnum Fasteners Inc.	Montréal, Qué.	Townsend Division of Textron Canada Ltd.	Gananoque, Ont.
Makita Canada Inc.	Richmond, B.C.	Toyota Motor Manufacturing Canada Inc.	Cambridge, Ont.
Maple Screw Products (Toronto) Ltd.	Mississauga, Ont.	Tri-Fast Limited	Richmond Hill, Ont.
Marshall & Riddel Int'l Inc.	Roxboro, Qué.	TRW Seat Belt Division & Decor Products Div. of TRW Canada Ltd.	Midland, Ont.
Navistar International Corporation	Hamilton, Ont.	Unisys Canada Inc. Peripherals Group	Winnipeg, Man.
Nifast Canada Corporation	Ingersoll, Ont.	Valenite Modco Ltd.	Windsor, Ont.
Norma Products of Canada Ltd.	Windsor, Ont.	Yamashina International Inc.	Burnaby, B.C.
Northern Devices Inc.	Scarborough, Ont.		
Northern Telecom Ltd.	Etobicoke, Ont.		
P Hettich Canada Inc.	Weston, Ont.		

**SCREWS: AIRCRAFT AND OTHER,
NOT ELSEWHERE SPECIFIED OF IRON OR STEEL**

FOREIGN EXPORTERS TO CANADA

**AIRCRAFT SCREWS
(H.S. 7318.15.00.31)**

Major exporters to Canada are listed in descending order of dollar value. These exporters accounted for 77 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	Huck Mfg. Co.)	
Italy	Umbra Cuscinetti Spa)	3 303*
United States	Aviall Aerospace Hardware)	
United States	Burbank Aircraft Intl.	135
United Kingdom	Rolls Royce)	237*
United States	Bronson and Bratton)	
United States	Elastic Stop Nut)	130*
United States	Thomson Saginaw)	
United States	Adams Supply Company	52
United States	Bild Industries	52
United States	Wesco Aircraft	52
United States	Screw Corp.	48
United States	Alatec	41
United States	Garrett Airline Svcs. Div.)	
United States	Air Industries Corp.)	114*
United States	Mid America Aerospace)	
United States	Bell Helicopter)	70*
United States	AAR Hardware)	
United States	Abbot Transistor Labs.)	
United States	3-V Fastener)	94*
United States	Engineered Heat Treat Inc.)	

* Aggregated to preserve confidentiality of Canadian Importers.

**SCREWS: AIRCRAFT AND OTHER,
NOT ELSEWHERE SPECIFIED OF IRON OR STEEL**

FOREIGN EXPORTERS TO CANADA (Cont'd)

**AIRCRAFT SCREWS (Cont'd)
(H.S. 7318.15.00.31)**

<u>Country of Origin</u>	<u>Name of Foreign Exporter</u>	<u>1990 Value of Exports to Canada (\$000)</u>
United States	Allfast Fastening Systems)	
United States	Durham Aircraft)	78*
United States	Boeing Co.)	
United States	Aircraft Fasteners Inc.)	
United States	BEK Level One Fasteners)	88*
United Kingdom	Bintcliffe Turner Ltd.)	
United States	Edwards Enterprises)	
United States	Holo-Krome Co.)	40*
United States	Nylok Fastener Corp.)	
United States	Dallas Forwarding)	
United States	Rae Mfg.)	54*
United States	Hamilton Standard)	
United States	Abscoa Industries Inc.)	30*
United States	Intertrade Aviation Corp.)	
United States	Special-T Fasteners Chatworth)	29*
United States	Tristar Aerospace Inc.)	
United States	General Electric Supply)	26*
United States	Helicopter Support Inc.)	
United States	T.R. Moran Co. Inc.)	25*
United States	Aerospace Locknut)	
United States	Butler Inc.)	24*
United States	Voi-Shan Distribution Center)	
United States	B-V Fastener)	
United States	Saturn Fasteners Inc.)	42*
United States	Briles Rivet Corp.)	
United States	New Cal Aviation)	
TOTAL		4 764

* Aggregated to preserve confidentiality of Canadian Importers.

**SCREWS: AIRCRAFT AND OTHER,
NOT ELSEWHERE SPECIFIED OF IRON OR STEEL**

FOREIGN EXPORTERS TO CANADA (Cont'd)

**OTHER SCREWS, N.E.S.
(H.S. 7318.15.00.39)**

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</u> (\$000)
United States	Shakeproof	4 157
United States	Camcar Division of Textron Inc.	2 630
United States	Pioneer Screw & Nut Company	2 026
United States	Lucas Girling)	3 457*
United States	Ring Screw Works)	
United States	MNP Manufacturing Corp.)	2 667*
United States	Brighton Best Socket Screw)	
United States	Eskay Screw Products, Inc.	1 181
United States	Atlas Bolt & Screw Co.)	1 807*
United States	Star Expansion Co.)	
Japan	Nissho Iwai)	1 357*
United States	Holo-Krome Company)	
United States	RB&W Corp.	629
Taiwan	Sheh Fung Screws Co. Ltd.	622
United States	ELCO Industries Inc.	617
United States	SPS Technologies	570
United States	Amsco Products	522
United States	All American Screw Company)	982*
Japan	Toyota Motor Corporation)	
United States	Vico Products)	900*
United States	ATF)	

* Aggregated to preserve confidentiality of Canadian Importers.

**SCREWS: AIRCRAFT AND OTHER,
NOT ELSEWHERE SPECIFIED OF IRON OR STEEL**

FOREIGN EXPORTERS TO CANADA (Cont'd)

**OTHER SCREWS, N.E.S. (Cont'd)
(H.S. 7318.15.00.39)**

<u>Country of Origin</u>	<u>Name of Foreign Exporter</u>	<u>1990 Value of Exports to Canada (\$000)</u>
United States	Semblex Corporation	416
Netherlands	Borstlap Bv, Netherlands)	806*
United States	Anchor Fasteners)	
United States	Parker-Kalon)	754*
United States	Metalcrafters Division)	
United States	Construction)	965*
Taiwan	Honor Best Company Limited)	
Japan	Honda Motor Co. Ltd.)	
United States	Rockford International	299
United States	Continental/Midland Inc.	298
United States	Lang Fastener Corp.	295
Switzerland	Ferriere Di Stabio)	696*
United States	United Precision Products)	
United States	Lewis Screw Co.)	
United States	Dupont, G.B. Company, Inc.)	624*
United States	St. Louis Assembly Plant I)	
United States	Leviton Mfg Corp.)	
Japan	Shuwa Corporation)	521*
Taiwan	Gee Bridge Int Inc.)	
United States	Defence Depot Columbus)	
United States	Deere and Company)	323*
United States	Accurate Threaded Fasteners)	
Taiwan	Rexlen Corporation)	465*
United States	Fontana Distribution)	
Taiwan	Screw Supply Co.)	

* Aggregated to preserve confidentiality of Canadian importers.

**SCREWS: AIRCRAFT AND OTHER,
NOT ELSEWHERE SPECIFIED OF IRON OR STEEL**

FOREIGN EXPORTERS TO CANADA (Cont'd)

**OTHER SCREWS, N.E.S. (Cont'd)
(H.S. 7318.15.00.39)**

<u>Country of Origin</u>	<u>Name of Foreign Exporter</u>	<u>1990 Value of Exports to Canada</u> (\$000)
United States	Bowman Distribution)	
United States	New Process Gear Division)	435*
Japan	S and K Co.)	
United States	Fastbolt Corp.	139
Taiwan	Younturn Hardwares Corp.)	270*
United States	Truth Division)	
United States	Curtis Industries)	265*
United States	Nucor Fasteners)	
United States	AFI Industries Inc.	127
United States	Fisher Dynamics)	249*
United States	Midwest Fastener Corporation)	
Taiwan	Linkwell Industry Co. Ltd.)	241*
United States	N-D Industries Inc.)	
United States	Prod'N Eng)	
United States	Ilsco Corporation)	355*
United States	Jefferson Assembly Plant)	
United States	AMAC Enterprises)	224*
Japan	Daichi Jitsugyo Co.)	
Taiwan	Pro-Pack Int, Inc.)	212*
United States	Southco Inc.)	
Taiwan	Tong Heui)	204*
United States	Auto Vehicle Parts)	
Japan	Screw Supply Co.)	
United States	Elastic Stop Nut)	297*
Taiwan	Unifast Inc.)	
Japan	Makita)	
United States	G.T. Specialty Fasteners)	287*
United States	Sems Division)	

* Aggregated to preserve confidentiality of Canadian importers.

**SCREWS: AIRCRAFT AND OTHER,
NOT ELSEWHERE SPECIFIED OF IRON OR STEEL**

FOREIGN EXPORTERS TO CANADA (Cont'd)

**OTHER SCREWS, N.E.S. (Cont'd)
(H.S. 7318.15.00.39)**

<u>Country of Origin</u>	<u>Name of Foreign Exporter</u>	<u>1990 Value of Exports to Canada (\$000)</u>
United States	Pawtucket Fasteners)	
United States	Barfield Manufacturing Co.)	359*
United States	Indiana Metal Products Co.)	
United States	Arvin Industries, Inc.)	
United States	Pro Components)	171*
Japan	Mampay Screw Works Ltd.)	
Fed. Rep. of Germany	Rasmussen Gmbh)	159*
United States	Caterpillar Americas)	
Fed. Rep. of Germany	Wilhelm Boellhoff)	148*
Taiwan	Power Van Ind Co.)	
United States	Jerpbak Bayless Co.)	136*
United States	Global Metrics)	
United States	Southern Fastening Systems	67
United States	Michigan	63
Fed. Rep. of Germany	American Maplan Corp.)	121*
United States	Komatsu)	
Taiwan	Chu Hua Ind Co.)	106*
United States	Fabco Fastening Systems)	
Fed. Rep. of Germany	Sew Eurodrive)	
United States	Everlock Fastening Systems, Inc)	153*
United States	Tri West Products)	
United States	Lord and Sons Inc.)	100*
United States	Prodex Supply)	
Italy	Officine Alfieri Maserati)	
Italy	Bombardier Rotax)	147*
United States	El Paso Automotive Products)	

* Aggregated to preserve confidentiality of Canadian importers.

**SCREWS: AIRCRAFT AND OTHER,
NOT ELSEWHERE SPECIFIED OF IRON OR STEEL**

FOREIGN EXPORTERS TO CANADA (Cont'd)

**OTHER SCREWS, N.E.S. (Cont'd)
(H.S. 7318.15.00.39)**

<u>Country of Origin</u>	<u>Name of Foreign Exporter</u>	<u>1990 Value of Exports to Canada</u> (\$000)
Taiwan	Lih Lin Enterprises & Indust)	96*
United States	Cavalier Manufacturing Company)	
Italy	Milani Enrico Srl)	
Taiwan	Rodex Fasteners)	139*
United States	Delco Moraine - NDH Division)	
United States	General Motors Parts Division)	
United States	Engineered Fasteners Division)	135*
United States	Fortune Industries)	
United States	Keeler Brass Company)	87*
United States	Motorola Ft Worth)	
Italy	Verinox)	
United States	Hilsinger)	126*
United States	Numatics Inc.)	
United States	Setko Fasteners)	42
United States	Firestone Building Products)	81*
Fed. Rep. of Germany	Weco Wester,ebbinghaus & Co.)	
United States	Kestrel)	79*
United States	Cameron Iron Works)	
United States	GTE Valenite)	
United States	Whirlpool Corp.)	116*
United States	Electro Motive Div)	
United States	Uico Products)	
United States	Wells Naarco)	113*
Taiwan	Gofast)	
United States	Altas)	74*
United States	Deltar)	

* Aggregated to preserve confidentiality of Canadian importers.

**SCREWS: AIRCRAFT AND OTHER,
NOT ELSEWHERE SPECIFIED OF IRON OR STEEL**

FOREIGN EXPORTERS TO CANADA (Cont'd)

**OTHER SCREWS, N.E.S. (Cont'd)
(H.S. 7318.15.00.39)**

<u>Country of Origin</u>	<u>Name of Foreign Exporter</u>	<u>1990 Value of Exports to Canada (\$000)</u>
United States	Walled Lake Division)	
United States	Keptel Inc.)	109*
United States	Poulan Weedeater)	
Switzerland	Sfs Stadler Ag)	
Fed. Rep. of Germany	Backumer)	105*
Fed. Rep. of Germany	Adolf Wurth Gmbh & Co. Kg)	
United States	Fall River Mfg)	34
United States	Tridon Inc.)	
Japan	Kobe Fastener Ltd.)	98*
United States	Cummins Engine Co. Inc.)	
United States	Dresser)	
United States	Honda)	95*
Italy	Gamma)	
United States	Eng. Tube)	62*
United States	Jackson Screw Company)	
United States	Metric Fasteners Corp.)	
United States	Sheh Fung Screws)	92*
Taiwan	The Shinsho)	
United States	Birdsboro Corp.)	60*
United States	General Fasteners Co.)	
United States	Spec Fasteners)	58*
United States	Tamperproof Screw Co. Inc.)	
Switzerland	Abb)	
United States	NSC San Diego)	84*
United States	29 Solar Corp.)	
Fed. Rep. of Germany	Mercedes)	53*
Taiwan	Concord)	

* Aggregated to preserve confidentiality of Canadian importers.

**SCREWS: AIRCRAFT AND OTHER,
NOT ELSEWHERE SPECIFIED OF IRON OR STEEL**

FOREIGN EXPORTERS TO CANADA (Cont'd)

**OTHER SCREWS, N.E.S. (Cont'd)
(H.S. 7318.15.00.39)**

<u>Country of Origin</u>	<u>Name of Foreign Exporter</u>	<u>1990 Value of Exports to Canada (\$000)</u>
United States	Erico Products Inc.)	
United States	Motormite Mfg)	77*
Japan	Yamashina Seiko Sho Ltd.)	
United States	Eagle Electric Mfg Co.)	
Fed. Rep. of Germany	Hettich International)	70*
Italy	Salice Artiro)	
Japan	K.M.Seiko Co. Ltd.)	
Fed. Rep. of Germany	Volkswagen)	63*
Taiwan	Fastener International Inc.)	
TOTAL		37 769

* Aggregated to preserve confidentiality of Canadian importers.

**SCREWS: AIRCRAFT AND OTHER,
NOT ELSEWHERE SPECIFIED OF IRON OR STEEL**

CANADIAN SHIPMENTS

According to Statistics Canada, screws: aircraft and other, N.E.S., of iron or steel in this report are made in Canada. However, for reasons of confidentiality, data on shipments by Canadian establishments are not 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".

**SCREWS: AIRCRAFT AND OTHER,
NOT ELSEWHERE SPECIFIED OF IRON OR STEEL**

**CANADIAN EXPORTS BY MAJOR COUNTRY OF DESTINATION
(H.S. 7318.15)**

Canadian export data are not available for screws: aircraft and other, not elsewhere specified of iron or steel but are included in H.S. 7318.15, bolts or screws, N.E.S., with or without their nuts or washers, iron or steel.

1990		1991		1992*	
<u>Country</u>	<u>Value</u> (\$000)	<u>Country</u>	<u>Value</u> (\$000)	<u>Country</u>	<u>Value</u> (\$000)
U.S.	157 205	U.S.	129 189	U.S.	37 327
U.K.	782	U.K.	509	Chile	176
Australia	421	Israel	509	Ecuador	147
Chile	345	Ecuador	423	Israel	76
Netherlands	276	Costa Rica	234	Italy	68
Mexico	190	Syria	222	W.Germany	57
Venezuela	187	Trinidad & Tobago	208	Guatemala	52
China	181	Australia	201	Singapore	46
France	175	Venezuela	201	Belize	41
N.Zealand	157	Guatemala	197	U.K.	36
Others	2 397		2 491		445
Total	162 317		134 383		38 471

NOTES: Major countries in descending order based upon value.

* The latest year is cumulative to the first quarter.

**SCREWS: AIRCRAFT AND OTHER,
NOT ELSEWHERE SPECIFIED OF IRON OR STEEL**

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.

Screws, Aircraft, Steel

<u>Name</u>	<u>Location</u>
*Interfast Inc.	Rexdale, Ont.
*Mecair Inc.	St-Laurent, Qué.
Russo & Mariano Screw Products Ltd.	Woodbridge, Ont.
Stelco Enterprises	Toronto, Ont.

* Company engaged in export trade.

**SCREWS: AIRCRAFT AND OTHER,
NOT ELSEWHERE SPECIFIED OF IRON OR STEEL**

CANADIAN SUPPLIERS (Cont'd)

BOSS (Cont'd)

Companies are arranged in alphabetical order.

Screws, N.E.S., Steel

<u>Name</u>	<u>Location</u>
*Androck/Bulldog Div. of Newell Canada Canadian Threadall Limited	Watford, Ont. Waterloo, Ont.
*Compagnie Ideal Security Inc.	Lasalle (Montréal) Qué.
*Delco Industries Ltd. Desormeau Industries Inc.	Surrey, B.C. St-Léonard, Qué.
*Dominion Screw Co. Ltd. Infasco Div. of Ivaco Inc.	Rexdale, Ont. Marieville, Qué.
*Kaycom Incorporated	St-Laurent, Qué.
*Kel Kem Ltd.	Ajax, Ont.
*Magnum Fasteners Inc. Russo & Mariano Screw Products Ltd.	St-Laurent, Qué. Woodbridge, Ont.
*Spar Group Inc. Stelco Enterprises	Vancouver, B.C. Toronto, Ont.
*TEWS Manufacturing	Barrie, Ont.

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.

**SCREWS: AIRCRAFT AND OTHER,
NOT ELSEWHERE SPECIFIED OF IRON OR STEEL**

CANADIAN SUPPLIERS (Cont'd)

CANADIAN TRADE INDEX

Companies are arranged in alphabetical order.

Screws, Fasteners, Specialty, Acoustical Tile (1); Aircraft (2); Alloy (3); Corrosion Resistant (Aluminum, Brass, Bronze, Stainless Steel, etc.) (4); Dowel (5); Drywall or Plaster Board (6); Hanger or Table (7); Plastic, Nylon, etc. (8); Headed and Threaded Rods (9); Headless Threaded Wires (10); Screw and Washer Assemblies (11); Self Drilling (12); Self Locking (13); Special or Custom-made (14).

<u>Name</u>	<u>Location</u>
Alert Products Limited	Toronto, Ont. (8)
Anthony Screw Products Ltd.	Oakville, Ont.
Canustel Inc.	Mount Royal, Qué. (9);(10)
*Capital Metal Industries	Scarborough, Ont. (1);(3);(4);(5);
A Division of H. Paulin & Co. Limited	(6);(7);(9);(10);(12);(13);(14)
*Compagnie Ideal Security Inc.	LaSalle, Qué.
Formex Metal Industries Inc.	Kitchener, Ont. (1)
Industrial Screw & Forge	Montréal, Qué. (3);(4)
*Infasco/Division of Ivaco Inc.	Marieville, Qué. (3);(9);(14)
L&M Screw Machine Products Limited	Weston, Ont.
*Leland Industries Inc.	Markham, Ont.
Long-Lok Canada	Scarborough, Ont. (13)
National Concrete Accessories/Arrow-Richmond	Rexdale, Ont. (7)
National Socket Screw Manufacturing Limited	Beamsville, Ont. (9);(10)
*Paulin, H. & Co. Limited	Scarborough, Ont. (4);(6);(8);(9);
	(10);(11);(12);(13);(14)
Peckover's A Division of VPK Metal Inc.	Concord, Ont. (8)
Petrum Screw Products Co. Ltd.	Mississauga, Ont.
Precision Fasteners	Milton, Ont. (6);(9);(14)
Div. of H. Paulin & Co. Ltd.	
Precision Small Parts Limited	Aurora, Ont. (2);(3);(4);(5);(8);
	(10);(14)
*Robertson Whitehouse	Milton, Ont. (1);(4);(5);(6);(7);(9);
	(10);(11);(12);(13);(14)
*Sido (Groupe) Ltée	Granby, Qué. (4);(8)
Star Expansion Industries, Ltd.	Mississauga, Ont. (12)
*Stelco Inc.	Toronto, Ont. (3);(14)
Swissway Machining Ltd.	Scarborough, Ont. (2);(3);(4);(8);
	(9);(11);(14)
Toronto Fastener Industries	Rexdale, Ont. (2)

* Company engaged in export trade.

**SCREWS: AIRCRAFT AND OTHER,
NOT ELSEWHERE SPECIFIED OF IRON OR STEEL**

CANADIAN SUPPLIERS (Cont'd)

CANADIAN TRADE INDEX (Cont'd)

Screws, Fasteners, Specialty. Acoustical Tile (1); Aircraft (2); Alloy (3); Corrosion Resistant (Aluminum, Brass, Bronze, Stainless Steel, etc.) (4); Dowel (5); Drywall or Plaster Board (6); Hanger or Table (7); Plastic, Nylon, etc. (8); Headed and Threaded Rods (9); Headless Threaded Wires (10); Screw and Washer Assemblies (11); Self Drilling (12); Self Locking (13); Special or Custom-made (14). (Cont'd)

<u>Name</u>	<u>Location</u>
Townsend Division of Textron Canada Limited	Gananoque, Ont. (3);(4);(7);(9);(10) (12);(14)
Townsend Triad, Div. of Textron Canada Ltd.	Rexdale, Ont. (3);(4);(11);(12);(14)
Trillium Screw Mfg. Co. Ltd.	Pickering, Ont. (4);(12);(14)
*Triplex Engineering Co. Ltd.	Pointe Claire, Qué. (4)
Ultra Form Mfg. Co. Ltd.	Rexdale, Ont.
Visque Inc.	Montréal, Qué. (4)
*Westland Steel Products Ltd.	Winnipeg, Man.
Willow Manufacturing Company Limited, The	Toronto, Ont. (5);(10);(13);(14)
*Wirco Products Ltd.	London, Ont. (10)
Zenith Screw Company Limited	Rexdale, Ont. (2);(3);(14)

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

* Company engaged in export trade.

**SCREWS: AIRCRAFT AND OTHER,
NOT ELSEWHERE SPECIFIED OF IRON OR STEEL**

UNITED STATES IMPORTS

SUMMARY

The Harmonized System of commodity coding is comparable from country to country at the six-digit level (e.g. 7318.15 - other bolts or screws, with or without their nuts or washers, iron or steel). However, at the more detailed ten-digit level, the Canadian and U.S. systems differ. The following are the U.S. import commodity codes at the ten-digit level. (See page five for the Canadian codes.) Data are available upon request by country of origin and customs district of entry for the following codes:

<u>Description</u>	<u>H.S. Code</u>	<u>1991 Import Value (\$000)</u>	<u>Major Country of Export to U.S. % of Total</u>	
Other screws and bolts, whether or not with their nuts or washers:				
Other screws:				
Having shanks or threads with a diameter of less than 6 mm	7318.15.60.00	95 474	Taiwan	56%
Having shanks or threads with a diameter of 6 mm or more:				
Set screws	7318.15.80.20	4 924	Taiwan	30%
Socket screws	7318.15.80.40	9 489	Taiwan	41%
Other:				
With hexagonal heads	7318.15.80.60	100 048	Taiwan	47%
Other screws and bolts, N.E.S.	7318.15.80.80	<u>90 947</u>	Canada	49%
TOTAL		300 882		

**SCREWS: AIRCRAFT AND OTHER,
NOT ELSEWHERE SPECIFIED OF IRON OR STEEL**

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>
7318.15.00	Other screws and bolts, whether or not with their nuts or washers	10.2%	6.5%	6.1%
		BPT 9%		

TARIFF ARRANGEMENTS AND FOREIGN COUNTRIES OF EXPORT

Exporting countries as shown in this report which qualify for the Most Favoured Nation tariff treatment: Austria, Belgium, Fed. Republic of Germany, France, Italy, Japan, Netherlands, Sweden, Switzerland, Taiwan, U.K.

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, 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

**SCREWS: AIRCRAFT AND OTHER,
NOT ELSEWHERE SPECIFIED OF IRON OR STEEL**

TARIFFS (Cont'd)

UNITED STATES

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

<u>Tariff Item</u>	<u>Description of Goods</u>	<u>Rates of Duty - 1992</u>		
		<u>General</u>	<u>1</u>	<u>2</u>
	Other screws and bolts, whether not with their nuts or washers:			
7318.15.60	Other: Having shanks or threads with a diameter of less than 6 mm	6.2%	Free (B,E,IL) 3.7% (CA) 1/	45%
7318.15.80	Having shanks or threads with a diameter of 6 mm or more...	9.5%	Free (B,E,IL) 5.7% (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		
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			

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

**SCREWS: AIRCRAFT AND OTHER,
NOT ELSEWHERE SPECIFIED OF IRON OR STEEL**

TARIFFS (Cont'd)

UNITED STATES

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

**SCREWS: AIRCRAFT AND OTHER,
NOT ELSEWHERE SPECIFIED OF IRON OR STEEL**

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. Cap, machine and aircraft screws are part of the industrial fastener industry sub-sector.

These items 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 are for cap, machine and aircraft screws, 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 for cap, machine and aircraft screws 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.

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

**SCREWS: AIRCRAFT AND OTHER,
NOT ELSEWHERE SPECIFIED OF IRON OR STEEL**

dISTCoverly - TECHNOLOGY LICENSING OPPORTUNITIES

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

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

dISTCoverly 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 dISTCoverly to promote their unique product or process for licensing internationally.

The following is a licensing opportunity identified from dISTCoverly using the keyword "Fasteners":

Thread Forming Screw

For more information on this 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.



dISTCoverly

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



Pub. No. Title This report was
 excellent average not required

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

**Correspondance-réponse
d'affaires**

Se poste sans timbre
au Canada

Le port sera payé par:

Industrie, Sciences et
Technologie Canada
Direction générale des services à l'entreprise
Service des renseignements commerciaux
et des possibilités technologiques
235, rue Queen

Ottawa, Canada
K1A 9Z9

**Business
Reply Mail**

No postage stamp necessary
if mailed in Canada

Postage will be paid by:

Industry, Science and
Technology Canada
Services to Business Branch
Market Intelligence and
Technology Opportunities Service
235 Queen Street

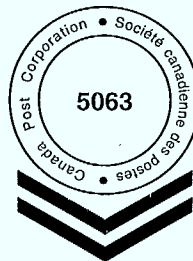


**Business
Reply Mail**

**Correspondance-réponse
d'affaires**

No postage stamp necessary
if mailed in Canada

Se poste sans timbre
au Canada



Postage will be paid by:

Le port sera payé par:

**Industry, Science and
Technology Canada
Services to Business Branch
Market Intelligence and
Technology Opportunities Service
235 Queen Street**

**Industrie, Sciences et
Technologie Canada
Direction générale des services à l'entreprise
Service des renseignements commerciaux
et des possibilités technologiques
235, rue Queen**

**Ottawa, Canada
K1A 9Z9**

**Afin de nous aider à mieux vous servir auriez-vous l'obligeance
de compléter la carte ci-dessous, et nous la retourner.**

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



**Industrie, Sciences et
Technologie Canada** **Industry, Science and
Technology Canada**

Pub. N° Titre Ce rapport a été
 excellent moyen pas requis

Ce rapport nous a aidé à
 planifier développer des produits découvrir de nouveaux marchés découvrir de nouveaux acheteurs
 autre (préciser)

Observations

J'aimerais obtenir des renseignements sur

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

Nom/Titre/Employeur/Adresse/N° de tél./FAX

Domaine d'activité

ISTC 2188 (6/92)

