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MARKET INTELLIGENCE

SHOT OF IRON OR STEEL
(EXCEEDING 9.5 MM IN DIAMETER)

Pub. No.: 92064-IP

December 1992



Canada



ID. 92-0371

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REFERENCE SOURCES

Industry, Science and Technology Canada
Statistics Canada, Tel.: (613) 951-9647
Revenue Canada, Tel.: (613) 954-6931
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

KG - Kilograms
TNE - Tonne
N.E.S. - Not Elsewhere Specified

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SHOT 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 for the following Harmonized System (H.S.) commodity code:

<u>Description</u>	<u>H.S. Commodity Code Analyzed</u>
Granules and powders, of pig iron, spiegeleisen, iron or steel. (72.05)	
-Granules (7205.10)	
---Shot:	
----Of steel, of a diameter not exceeding 9.5 mm, for burnishing (7205.10.11.00)	
----Other	7205.10.19.00

Note: This report only refers to shot of iron or steel exceeding 9.5 mm in diameter.

SHOT OF IRON OR STEEL
CANADIAN IMPORT TRENDS
BY MAJOR COUNTRY OF ORIGIN

<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					
Quantity (TNE)	13 070	12 616	8 769	4 069	-18.1
Value (\$000)	6 132	5 816	3 850	1 798	-20.8
United Kingdom					
Quantity (TNE)	16	-	235	-	283.2
Value (\$000)	8	-	90	-	226.8
Fed. Rep. of Germany					
Quantity (TNE)	430	248	112	173	-49.0
Value (\$000)	223	212	87	115	-37.6
Other					
Quantity (TNE)	4 071	1	1	-	-98.4
Value (\$000)	<u>501</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>0.0</u>
TOTAL					
Quantity (TNE)	17 587	12 865	9 117	4 242	-28.0
Value (\$000)	6 864	6 027	4 027	1 912	-23.4

MARKET SHARES BY MAJOR COUNTRY OF ORIGIN

<u>Country of Origin</u>	<u>1989</u> %	<u>1990</u> %	<u>1991</u> %	<u>1992*</u> %
United States				
Quantity	74.3	98.1	96.2	95.9
Value	89.3	96.5	95.6	94.0
United Kingdom				
Quantity	0.1	-	2.6	-
Value	0.1	-	2.2	-
Fed. Rep. of Germany				
Quantity	2.4	1.9	1.2	4.1
Value	3.2	3.5	2.2	6.0
Other				
Quantity	23.1	0.0	0.0	0.0
Value	<u>7.3</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
TOTAL				
Quantity	100.0	100.0	100.0	100.0
Value	100.0	100.0	100.0	100.0

NOTES : Ranked in descending order by 1991 value.

* The latest year is cumulative to the second quarter.

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SHOT OF IRON OR STEEL

CANADIAN IMPORT TRENDS (Cont'd)

AVERAGE UNIT PRICES BY MAJOR COUNTRY OF ORIGIN (\$ Per TNE)

<u>Country of Origin</u>	<u>1989</u>	<u>1990</u>	<u>1991</u>	<u>1992*</u>
United States	469	461	439	442
United Kingdom	527	-	384	-
Fed. Rep. of Germany	518	853	775	662
Other	<u>123</u>	<u>-</u>	<u>-</u>	<u>-</u>
All Countries	390	469	442	451

NOTES : Ranked in descending order by 1991 value.

* The latest year is cumulative to the second quarter.

SHOT OF IRON OR STEEL
CANADIAN IMPORT TRENDS (Cont'd)
BY PROVINCE OF CLEARANCE

<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					
Quantity (TNE)	12 243	11 486	7 892	3 707	-19.7
Value (\$000)	5 806	5 400	3 490	1 666	-22.5
British Columbia					
Quantity (TNE)	391	463	432	204	5.1
Value (\$000)	161	213	186	98	7.4
Manitoba					
Quantity (TNE)	322	399	413	190	13.3
Value (\$000)	150	185	181	85	9.6
Alberta					
Quantity (TNE)	151	265	204	80	16.2
Value (\$000)	53	122	86	36	27.6
Québec					
Quantity (TNE)	4 314	100	139	61	-82.0
Value (\$000)	604	44	69	27	-66.3
Saskatchewan					
Quantity (TNE)	80	66	20	-	-50.0
Value (\$000)	37	30	9	-	-50.5
New Brunswick					
Quantity (TNE)	-	84	17	-	-79.8
Value (\$000)	-	33	7	-	-79.2
Nova Scotia					
Quantity (TNE)	85	3	-	-	-96.5
Value (\$000)	<u>53</u>	<u>1</u>	<u>-</u>	<u>-</u>	<u>-98.4</u>
TOTAL					
Quantity (TNE)	17 587	12 865	9 117	4 242	-28.0
Value (\$000)	6 864	6 027	4 027	1 912	-23.4

NOTES : Ranked in descending order by 1991 value.

* The latest year is cumulative to the second quarter.

SHOT OF IRON OR STEEL
CANADIAN IMPORT TRENDS (Cont'd)

MARKET SHARES BY PROVINCE OF CLEARANCE

<u>Province of Clearance</u>	<u>1989</u> %	<u>1990</u> %	<u>1991</u> %	<u>1992*</u> %
Ontario				
Quantity	69.6	89.3	86.6	87.4
Value	84.6	89.6	86.7	87.1
British Columbia				
Quantity	2.2	3.6	4.7	4.8
Value	2.4	3.5	4.6	5.1
Manitoba				
Quantity	1.8	3.1	4.5	4.5
Value	2.2	3.1	4.5	4.4
Alberta				
Quantity	0.9	2.1	2.2	1.9
Value	0.8	2.0	2.1	1.9
Québec				
Quantity	24.5	0.8	1.5	1.4
Value	8.8	0.7	1.7	1.4
Saskatchewan				
Quantity	0.5	0.5	0.2	-
Value	0.5	0.5	0.2	-
New Brunswick				
Quantity	-	0.7	0.2	-
Value	-	0.6	0.2	-
Nova Scotia				
Quantity	0.5	0.0	-	-
Value	<u>0.8</u>	<u>0.0</u>	<u>-</u>	<u>-</u>
TOTAL				
Quantity	100.0	100.0	100.0	100.0
Value	100.0	100.0	100.0	100.0

NOTES : Ranked in descending order by 1991 value.

* The latest year is cumulative to the second quarter.

SHOT OF IRON OR STEEL

CANADIAN IMPORT TRENDS (Cont'd)

AVERAGE UNIT PRICES BY PROVINCE OF CLEARANCE (\$ Per TNE)

<u>Province of Clearance</u>	<u>1989</u>	<u>1990</u>	<u>1991</u>	<u>1992*</u>
Ontario	474	470	442	450
British Columbia	413	461	431	480
Manitoba	467	463	437	446
Alberta	351	462	422	449
Québec	140	437	493	447
Saskatchewan	458	452	449	-
New Brunswick	-	397	409	-
Nova Scotia	<u>619</u>	<u>286</u>	<u>-</u>	<u>-</u>
All Provinces	390	469	442	451

NOTES : Ranked in descending order by 1991 value.

* The latest year is cumulative to the second quarter.

SHOT OF IRON OR STEEL

CANADIAN IMPORTERS

There were 55 known importers in 1991. The principal 15 importers accounted for 84 per cent of the total import value.

<u>Principal Importers</u> (No.)	<u>Cumulative Value</u> (\$000)	<u>Cumulative % of Total Value</u>
3	1 419	35
6	2 342	58
10	2 950	73
15	3 391	84
25	3 785	94
All Importers (55)	4 027	100

The principal importers during 1991 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>
Abrasicorp & Equipment Ltd.	Dorval, Qué.
Associated Spring Barnes Group of Canada Ltd.	Burlington, Ont.
Barmin Inc.	Waterdown, Ont.
Basf Canada Inc.	Etobicoke, Ont.
Bell & Mackenzie Co. Ltd.	Hamilton, Ont.
Benn Iron Foundry Ltd.	Wallaceburg, Ont.
Blast Cleaning Products Ltd.	Oakville, Ont.
Canadair Ltd.	Montréal, Qué.
Consumers Glass Ltd.	Etobicoke, Ont.
D B Services - Division 380627 Ontario Limited	Campbellville, Ont.
Eaton Yale Ltd. Suspension Div.	Wallaceburg, Ont.
Ervin Industries Inc.	Chatham, Ont.
Ford Motor Company of Canada Ltd.	Ann Arbor, MI, U.S.*
General Motors of Canada Limited	Oakville, Ont.
General Printing Ink Corp. of Canada Ltd.	Oshawa, Ont.
George F Pettinos (Canada) Ltd.	Mississauga, Ont.
George O Hill Supply Ltd.	Hamilton, Ont.
Griffin Canada Inc.	Thunder Bay, Ont.
Hendrickson Canada Ltd.	St-Hyacinthe, Qué.
Hickman Williams Canada Inc.	Stratford, Ont.
Inproheat Industries Ltd.	Preston, Ont.
J I Case Canada A Div of Tenneco Canada Ltd.	Vancouver, B.C.
Karrich Industries Inc.	Brampton, Ont.
	Winnipeg, Man.

* Non resident importer.

SHOT OF IRON OR STEEL
CANADIAN IMPORTERS (Cont'd)

<u>Name</u>	<u>Location</u>
Metal Improvement Co. Inc.	Brampton, Ont.
Neelon Casting Ltd.	Sudbury, Ont.
O C L Indust Materials Ltd.	Surrey, B.C.
Panabrasive Inc.	Welland, Ont.
Peterson Spring of Canada Ltd.	Windsor, Ont.
Pratt and Whitney Canada Inc.	Longueuil, Qué.
Ritchey Supply Ltd.	Mississauga, Ont.
Rockwell International Suspension Systems Company	Milton, Ont.
	Lasolle, Qué.
	Chatham, Ont.
Sky Mount Inc.	Hamilton, Ont.
Standard Induction Castings Limited	Windsor, Ont.
Standens Limited	Calgary, Alta.
Stelco Inc.	Hamilton, Ont.
Strongarm Inc.	Mississauga, Ont.
Target Products Ltd.	Burnaby, B.C.
Technologies Abrasives Abratech Inc., Les	Boucherville, Qué.
Vme Equipment of Canada Ltd.	St Thomas, Ont.
Volkswagen Canada Inc.	Scarborough, Ont.
Wheelabrator Canada Inc.	Milton, Ont.
Whytek Marketing Inc.	Burlington, Ont.
William R Barnes Co. Western Limited	Waterdown, Ont.
Williams Machines Div.	
Havlik Technologies Inc.	Preston, Ont.

SHOT OF IRON OR STEEL
FOREIGN EXPORTERS TO CANADA

Major exporters to Canada are listed in descending order of dollar value. These exporters accounted for 88 per cent of the total value of Canadian imports during 1991.

<u>Country of Origin</u>	<u>Name of Foreign Exporter</u>	<u>1991 Value of Exports to Canada (\$000)</u>
United States	Ervin Industries Inc.	2 531
United States	National Metal Abrasive Inc.	479
United States	Metaltec Steel Abrasives Co.	331
United Kingdom	Metabrasive Ltd.) 150*
United States	Hoover Precision Products	
United States	Pellets Inc.	50
TOTAL		<hr/> 3 541

* Aggregated to preserve confidentiality of Canadian importers.

SHOT OF IRON OR STEEL

CANADIAN SHIPMENTS

According to Statistics Canada, Abrasive Metal Shot in this report are made in Canada. However, for reasons of confidentiality, separate 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) 951-9497

Source: Catalogue #31-211, annual, "Products shipped by Canadian manufacturers"

SHOT OF IRON OR STEEL
CANADIAN EXPORTS BY MAJOR COUNTRY OF DESTINATION
(H.S. 7205.10)

Canadian exports of abrasive metal shot are included in commodity class H.S. 7205.10 granules of pig iron or spiegeleisen.

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.	2 877	U.S.	3 489	U.S.	2 288
France	1 025	France	950	Argentina	22
Italy	193	Italy	316	Philippines	1
S. Arabia	37	Philippines	1		
U.K.	20				
Switzerland	<u>5</u>		<u> </u>		<u> </u>
TOTAL	4 158		4 756		2 311

NOTES : Major countries in descending order based upon value.
 See note on page two concerning Canada - U.S. Reconciliation.
 * The latest year is cumulative to the second quarter.

SHOT 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.

Metal Shot, N.E.S.

<u>Name</u>	<u>Location</u>
Aciers Technifab Inc.	St-Jérôme, Qué.
*Dolymer Inc.	St-Bruno, Qué.
*Panabrasive Inc.	Welland, 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

CANADIAN TRADE INDEX

Companies are arranged in alphabetical order.

Abrasive Shot and Grit

<u>Name</u>	<u>Location</u>
*Panabrasive Inc.	Welland, Ont.

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.

SHOT OF IRON OR STEEL

UNITED STATES IMPORTS

BY MAJOR COUNTRY OF ORIGIN

United States imports of abrasive metal shot are included in the commodity class H.S. 7205.10 and are not identified separately. Imports into the United States for granules of iron or steel are as follows:

<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>
Canada					
Quantity (000 KG)	2 458	5 987	6 235	4 271	59.3
Value (\$000)	1 242	2 819	3 318	2 156	63.4
Italy					
Quantity (000 KG)	929	1 139	1 381	584	21.9
Value (\$000)	1 810	2 563	2 550	1 531	18.7
Netherlands					
Quantity (000 KG)	1	20	548	83	1 944.5
Value (\$000)	10	50	1 740	276	1 196.0
Fed. Rep. of Germany					
Quantity (000 KG)	93	130	621	390	157.9
Value (\$000)	261	379	1 051	974	100.7
Japan					
Quantity (000 KG)	396	57	128	52	-43.2
Value (\$000)	481	69	125	69	-48.9
United Kingdom					
Quantity (000 KG)	-	-	219	150	0.0
Value (\$000)	-	-	83	52	0.0
Belgium					
Quantity (000 KG)	-	-	19	-	0.0
Value (\$000)	-	-	43	-	0.0
Brazil					
Quantity (000 KG)	-	4	31	-	636.8
Value (\$000)	-	6	21	-	278.7
Switzerland					
Quantity (000 KG)	-	-	2	-	0.0
Value (\$000)	-	-	1	-	0.0
Other					
Quantity (000 KG)	291	9	24	20	-71.3
Value (\$000)	255	13	27	14	-67.5
TOTAL					
Quantity (000 KG)	4 168	7 346	9 207	5 550	48.6
Value (\$000)	4 060	5 900	8 960	5 073	48.6

NOTES : Ranked in descending order by 1991 value.

Canada ranked 1 overall.

Source: U.S. Department of Commerce.

* The latest year is cumulative to the second quarter.

SHOT OF IRON OR STEEL

UNITED STATES IMPORTS (Cont'd)

MARKET SHARES BY MAJOR COUNTRY OF ORIGIN (H.S. 7205.10)

<u>Country of Origin</u>	<u>1989</u>	<u>1990</u>	<u>1991</u>	<u>1992*</u>
Canada				
Quantity	59.0	81.5	67.7	77.0
Value	30.6	47.8	37.0	42.5
Italy				
Quantity	22.3	15.5	15.0	10.5
Value	44.6	43.4	28.5	30.2
Netherlands				
Quantity	0.0	0.3	6.0	1.5
Value	0.3	0.8	19.4	5.4
Fed. Rep. of Germany				
Quantity	2.2	1.8	6.7	7.0
Value	6.4	6.4	11.7	19.2
Japan				
Quantity	9.5	0.8	1.4	0.9
Value	11.9	1.2	1.4	1.4
United Kingdom				
Quantity	-	-	2.4	2.7
Value	-	-	0.9	1.0
Belgium				
Quantity	-	-	0.2	-
Value	-	-	0.5	-
Brazil				
Quantity	-	0.1	0.3	-
Value	-	0.1	0.2	-
Switzerland				
Quantity	-	-	0.0	-
Value	-	-	0.0	-
Other				
Quantity	7.0	0.1	0.3	0.4
Value	6.3	0.2	0.3	0.3
TOTAL				
Quantity	100.0	100.0	100.0	100.0
Value	100.0	100.0	100.0	100.0

NOTES : Ranked in descending order by 1991 value.

Canada ranked 1 overall.

* The latest year is cumulative to the second quarter.

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SHOT OF IRON OR STEEL

UNITED STATES IMPORTS (Cont'd)

AVERAGE UNIT PRICES BY MAJOR COUNTRY OF ORIGIN (\$ per KG)

(H.S. 7205.10)

<u>Country of Origin</u>	<u>1989</u>	<u>1990</u>	<u>1991</u>	<u>1992*</u>
Canada	1	0	1	1
Italy	2	2	2	3
Netherlands	8	3	3	3
Fed. Rep. of Germany	3	3	2	2
Japan	1	1	1	1
United Kingdom	-	-	0	0
Belgium	-	-	2	-
Brazil	-	1	1	-
Switzerland	-	-	1	-
Other	1	1	1	1
	<hr/>	<hr/>	<hr/>	<hr/>
All Countries	1	1	1	1

NOTES : Ranked in descending order by 1991 value.

Canada ranked 1 overall.

* The latest year is cumulative to the second quarter.

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SHOT OF IRON OR STEEL
UNITED STATES IMPORTS (Cont'd)
BY CUSTOMS DISTRICT OF ENTRY
(H.S. 7205.10)

<u>Customs District of Entry</u>	<u>1989</u>	<u>1990</u>	<u>1991</u>	<u>1992*</u>	<u>Average Annual Growth Rate 1989-91 (%)</u>
New York City, New York					
Quantity (000 KG)	1	71	1 777	650	3 912.5
Value (\$000)	15	166	3 714	1 801	1 473.2
Buffalo, New York					
Quantity (000 KG)	2 625	6 527	5 695	2 442	47.3
Value (\$000)	2 624	4 995	3 464	1 392	14.9
Detroit, Michigan					
Quantity (000 KG)	765	537	972	2 002	12.8
Value (\$000)	490	396	665	1 103	16.5
Cleveland, Ohio					
Quantity (000 KG)	56	74	241	300	107.3
Value (\$000)	153	188	612	663	100.1
Baltimore, Maryland					
Quantity (000 KG)	286	9	129	20	-32.8
Value (\$000)	252	13	238	11	-2.8
Los Angeles, California					
Quantity (000 KG)	395	51	102	-	-49.2
Value (\$000)	468	55	107	-	-52.3
Norfolk, Virginia					
Quantity (000 KG)	-	-	168	2	0.0
Value (\$000)	-	-	64	4	0.0
Great Falls, Montana					
Quantity (000 KG)	-	-	24	0	0.0
Value (\$000)	-	-	27	3	0.0
Chicago, Illinois					
Quantity (000 KG)	16	7	28	-	31.2
Value (\$000)	41	23	24	-	-22.5
Boston, Massachusetts					
Quantity (000 KG)	0	-	51	117	1 322.1
Value (\$000)	4	-	19	72	105.3
Other					
Quantity (000 KG)	23	69	20	18	-8.4
Value (\$000)	13	63	24	24	38.2
TOTAL					
Quantity (000 KG)	4 168	7 346	9 207	5 550	48.6
Value (\$000)	4 060	5 900	8 960	5 073	48.6

NOTES : Ranked in descending order by 1991 value.

* The latest year is cumulative to the second quarter.

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SHOT OF IRON OR STEEL

UNITED STATES IMPORTS (Cont'd)

MARKET SHARES BY CUSTOMS DISTRICT OF ENTRY

(H.S. 7205.10)

<u>Customs District of Entry</u>	<u>1989</u>	<u>1990</u>	<u>1991</u>	<u>1992*</u>
New York City, New York				
Quantity	0.0	1.0	19.3	11.7
Value	0.4	2.8	41.5	35.5
Buffalo, New York				
Quantity	63.0	88.9	61.9	44.0
Value	64.6	84.7	38.7	27.4
Detroit, Michigan				
Quantity	18.3	7.3	10.6	36.1
Value	12.1	6.7	7.4	21.7
Cleveland, Ohio				
Quantity	1.3	1.0	2.6	5.4
Value	3.8	3.2	6.8	13.1
Baltimore, Maryland				
Quantity	6.9	0.1	1.4	0.4
Value	6.2	0.2	2.7	0.2
Los Angeles, California				
Quantity	9.5	0.7	1.1	-
Value	11.5	0.9	1.2	-
Norfolk, Virginia				
Quantity	-	-	1.8	0.0
Value	-	-	0.7	0.1
Great Falls, Montana				
Quantity	-	-	0.3	0.0
Value	-	-	0.3	0.1
Chicago, Illinois				
Quantity	0.4	0.1	0.3	-
Value	1.0	0.4	0.3	-
Boston, Massachusetts				
Quantity	0.0	-	0.5	2.1
Value	0.1	-	0.2	1.4
Other				
Quantity	0.6	0.9	0.2	0.3
Value	0.3	1.1	0.3	0.5
TOTAL				
Quantity	100.0	100.0	100.0	100.0
Value	100.0	100.0	100.0	100.0

NOTES : Ranked in descending order by 1991 value.

* The latest year is cumulative to the second quarter.

92064-IP

SHOT 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>Year</u>	<u>Tariff Treatment - 1991-1992</u>		
			<u>Most Favoured Nation Tariff</u>	<u>General Preferential Tariff</u>	<u>United States Tariff</u>
	Granules and powders of pig iron, spiegeleisen, iron or steel. (72.05)				
	-Granules (7205.10)				
7205.10.19	----Other	1991	10.2%	6.5%	7.1%
		1992	10.2%	6.5%	Free

All exporting countries shown in this report (except the United States) qualify for the Most Favoured Nation tariff treatment.

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) 954-6931
Fax.: (613) 954-2509

SHOT OF IRON OR STEEL

TARIFFS (Cont'd)

UNITED STATES

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

Tariff Item	Description of Goods	Rates of Duty - 1992		
		General	1	2
7205.10.00	Granules and powders of pig iron, spiegeleisen, iron or steel. (72.05) Granules	1%	Free (A,CA, E,IL,J)	3%

- 1 Generalized System of Preferences
United States-Canada Free-Trade Agreement
Caribbean Basin Economic Recovery Act
United States-Israel Free Trade Area
Andean Trade Preference Act

A
CA
E
IL
J

- 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
Albania
Bulgaria
Cuba
Czechoslovakia
Estonia

German Democratic
Republic (former)
Kampuchea
Laos
Latvia
Lithuania

Mongolia
North Korea
Romania
Union of Soviet Socialist
Republics (former)
Vietnam

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

SHOT OF IRON OR STEEL

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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.

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

- 1- Shot Blasting Technology
- 2- Stainless Steel Shot Production Process
- 3- Low Carbon Steel Shot Production Process

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.



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Industry, Science and Technology Canada
235 Queen Street
Ottawa, Ontario
K1A 0H5
Tel.: (613) 954-4970
Fax.: (613) 954-2340

OR Fabricated Materials and Construction
Products Directorate
Materials Branch
Industry, Science and Technology Canada
235 Queen Street
Ottawa, Ontario
K1A 0H5
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Fax.: (709) 772-5093

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Fax.: (416) 973-8714

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Calgary, Alta. T2P 3S2
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Fax.: (403) 292-4578

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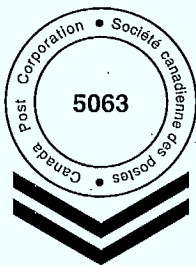
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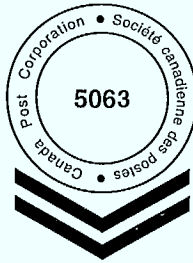


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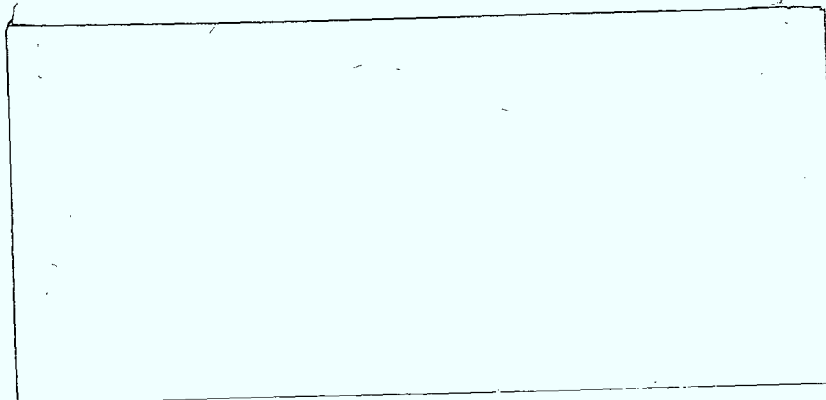
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