

## IRON & STEEL SCRAP SPECIFICATIONS

### Type of Scrap: # 1 HMS

ISRI Code: **200/201/202**  
 ISRI name: **No. 1 heavy melting steel**

Gerdau Code: **801**  
 Gerdau name: **# 1 Heavy Melt**

### Specifications

Wrought iron and/or steel scrap 1/4 inch and over in thickness. Individual pieces prepared in a manner to insure compact charging. Minimum density 55 lbs. per cu. ft.

#### Expected Chemistry (%; max)

Copper	0.300
Chrome	0.150
Nickel	0.150
Tin	0.015
Phosphorous	0.040
Sulphur	0.040
Silicon	0.25
Molybdenum	0.030

#### Dimension (inches; max)

Cambridge	36" x 24" x 4"
Whitby	48" x 24" x 4"
Manitoba	60" x 24" x 4"
Perth Amboy	60" x 24" x 4"
Sayreville	60" x 24" x 4"
Knoxville	48" x 18" x 4"
Jackson	60" x 18" x 4"
Charlotte	36" x 18" x 4"
Cartersville	48" x 24" x 4"
Jacksonville	48" x 18" x 4"
Wilton	60" x 18" x 4"
Beaumont	60" x 18" x 4"
St. Paul	60" x 18" x 4"
Sand Springs	48" x 18" x 4"

### Pictures



## IRON & STEEL SCRAP SPECIFICATIONS

### Type of Scrap: # 2 HMS

ISRI Code: **203**  
ISRI name: **No. 2 heavy melting steel**

Gerda Code: **802**  
Gerda name: **# 2 Heavy Melt**

### Specifications

Wrought iron and steel scrap, black and galvanized, 1/8 inch and over in thickness, charging box size to include material not suitable as No. 1 heavy melting steel. Prepared in a manner to insure compact charging. Free of sheet iron or thin gauged material. Minimum density 45 lbs per cu ft. Maximum size per mill spec. Maximum of 20% of rebar allowed.

#### Expected Chemistry (%; max)

Copper	0.400
Chrome	0.180
Nickel	0.140
Tin	0.030
Phosphorous	0.020
Sulphur	0.040
Silicon	0.150
Molybdenum	0.040

#### Dimension (inches; max)

Cambridge	36" x 24" x 4"
Whitby	48" x 24" x 4"
Manitoba	36" x 18" x 4"
Perth Amboy	N/A
Sayreville	N/A
Knoxville	48" x 18" x 4"
Jackson	36" x 36" x 4"
Charlotte	36" x 18" x 4"
Cartersville	48" x 24" x 4"
Jacksonville	48" x 18" x 4"
Wilton	36" x 24" x 4"
St. Paul	36" x 18" x 4"
Beaumont	36" x 24" x 4"
Sand Springs	36" x 24" x 4"

### Pictures





## IRON & STEEL SCRAP SPECIFICATIONS

### Type of Scrap: **Prepared Cast**

ISRI Code: **257**  
ISRI name: **Mixed cast**

Gerdau Code: **803**  
Gerdau name: **Prepared Cast**

### Specifications

May include all grades of clean cast iron except burnt iron. Must be free of lead. Maximum weight of 300 lbs per piece. Must have a minimum of 2.5 carbon.

#### Expected Chemistry (%; max)

Copper	0.250
Chrome	0.020
Nickel	0.020
Tin	0.010
Phosphorous	0.040
Sulphur	0.140
Molybdenum	0.020
Carbon	3.000

#### Dimension

Cambridge	N/A
Whitby	N/A
Manitoba	48" x 24" x 6"
Perth Amboy	48" x 24" x 6"
Sayreville	48" x 24" x 6"
Knoxville	N/A
Jackson	30" x 24" x 6"
Charlotte	N/A
Cartersville	48" x 24" x 6"
Jacksonville	48" x 24" x 6"
Wilton	N/A
St. Paul	N/A
Beaumont	N/A
Sand Springs	24" x 18" x 4"

### Pictures





## IRON & STEEL SCRAP SPECIFICATIONS

### Type of Scrap: **Motor Blocks/Shredder Grade**

ISRI Code: **260**  
ISRI name: **Unstripped motor blocks**

Gerdau Code: **804**  
Gerdau name: **Motor Blocks**

### Specifications

Consists of automobile motor blocks only. Crankcases, if attached, must be drained of oil. Anti-freeze or other liquids also must be drained from engine blocks. Not to include transmissions.

#### Expected Chemistry (%; max)

Copper	0.450
Chrome	0.150
Nickel	0.100
Tin	0.010
Phosphorous	0.050
Sulphur	0.110
Silicon	0.150
Molybdenum	0.050

#### Dimension (inches; max)

Cambridge	N/A
Whitby	N/A
Manitoba	N/A
Perth Amboy	N/A
Sayreville	N/A
Knoxville	N/A
Jackson	N/A
Charlotte	N/A
Cartersville	N/A
Jacksonville	N/A
Wilton	N/A
St. Paul	N/A
Beaumont	N/A
Sand Springs	N/A

### Pictures



## IRON & STEEL SCRAP SPECIFICATIONS

### Type of Scrap: **Plate & Structural**

ISRI Code: **231/232**  
 ISRI name: **Plate and structural steel, 5 feet & under**

Gerda Code: **805**  
 Gerda name: **Plate and Structural**

### Specifications

Cut structural and plate scrap. Clean open hearth steel plates, structural shapes, crop ends and shearings. Thickness not less than ¼ inches. Minimum density 50 lbs per cu. ft. Maximum size per mill spec.

#### Expected Chemistry (%; max)

Copper	0.200
Chrome	0.120
Nickel	0.100
Tin	0.010
Phosphorous	0.030
Sulphur	0.030
Silicon	0.150
Molybdenum	0.020

#### Dimension (inches; max)

Cambridge	36" x 24" x 4"
Whitby	48" x 24" x 4"
Manitoba	60" x 24" x 4"
Perth Amboy	60" x 24" x 4"
Sayreville	60" x 24" x 4"
Knoxville	36" x 18" x 4"
Jackson	60" x 24" x 4"
Charlotte	36" x 18" x 4"
Cartersville	48" x 24" x 4"
Jacksonville	48" x 18" x 4"
Wilton	60" x 18" x 4"
St. Paul	60" x 18" x 4"
Beaumont	60" x 18" x 4"
Sand Springs	48" x 18" x 4"

### Pictures



## IRON & STEEL SCRAP SPECIFICATIONS

### Type of Scrap: **Oversize Plate & Structural**

ISRI Code: **N/A**  
ISRI name: **N/A**

Gerdau Code: **806**  
Gerdau name: **Oversize P & S**

### Specifications

Alloy free carbon plate steel or structural steel scrap, ¼" (6mm) and over in thickness. Not over 4 ft (1200mm) in width and 20 ft (6000mm) in length. Must be free from cast iron, sheet scrap, reinforcing bar, galvanized material, and any spring or alloy steel (e.g. cable is unacceptable). Springs and rear ends must be removed from truck frames.

#### Expected Chemistry (%; max)

Copper	0.200
Chrome	0.120
Nickel	0.100
Tin	0.010
Phosphorous	0.030
Sulphur	0.030
Silicon	0.150
Molybdenum	0.020

#### Dimension (inches; max)

Cambridge	N/A
Whitby	N/A
Manitoba	N/A
Perth Amboy	N/A
Sayreville	N/A
Knoxville	N/A
Jackson	N/A
Charlotte	N/A
Cartersville	N/A
Jacksonville	N/A
Wilton	N/A
St. Paul	N/A
Beaumont	N/A
Sand Springs	N/A

### Pictures





## IRON & STEEL SCRAP SPECIFICATIONS

### Type of Scrap: **#1 Oversize**

ISRI Code: **N/A**  
ISRI name: **N/A**

Gerdau Code: **807**  
Gerdau name: **#1 Oversize**

### Specifications

Must be free from cast iron, sheet scrap, reinforcing bar, galvanized material, and any spring or alloy steel (e.g. cable is unacceptable). Springs and rear ends must be removed from truck frames. Alloy free carbon steel scrap 1/4" (6mm) and over in thickness. Not over 4 ft (1200mm) in width. Not over 20 ft (6000mm) in length.

#### Expected Chemistry (%; max)

Copper	0.350
Chrome	0.150
Nickel	0.150
Tin	0.015
Phosphorous	0.040
Sulphur	0.040
Silicon	0.250
Molybdenum	0.030

#### Dimension (inches; max)

Cambridge	N/A
Whitby	N/A
Manitoba	N/A
Perth Amboy	N/A
Sayreville	N/A
Knoxville	N/A
Jackson	N/A
Charlotte	N/A
Cartersville	N/A
Jacksonville	N/A
Wilton	N/A
St. Paul	N/A
Beaumont	N/A
Sand Springs	N/A

### Pictures



## IRON & STEEL SCRAP SPECIFICATIONS

### Type of Scrap: **#2 Oversize**

ISRI Code: **N/A**  
ISRI name: **N/A**

Gerda Code: **808**  
Gerda name: **#2 Oversize**

### Specifications

Alloy free carbon steel scrap 1/8" (3mm) and over in thickness. Not over 4 ft (1200mm) in width. Not over 20 ft (6000mm) in length. Must be free from sheet scrap and cable. May include up to 10% galvanized steel by weight. Rear ends of trucks and automobiles must be free of oil.

#### Expected Chemistry (%; max)

Copper	0.400
Chrome	0.150
Nickel	0.100
Tin	0.010
Phosphorous	0.050
Sulphur	0.110
Silicon	0.150
Molybdenum	0.050

#### Dimension (inches; max)

Cambridge	N/A
Whitby	N/A
Manitoba	N/A
Perth Amboy	N/A
Sayreville	N/A
Knoxville	N/A
Jackson	N/A
Charlotte	N/A
Cartersville	N/A
Jacksonville	N/A
Wilton	N/A
St. Paul	N/A
Beaumont	N/A
Sand Springs	N/A

### Pictures





## IRON & STEEL SCRAP SPECIFICATIONS

### Type of Scrap: **Busheling**

ISRI Code: **207**  
ISRI name: **No. 1 busheling**

Gerda Code: **809**  
Gerda name: **Busheling**

### Specifications

Clean steel scrap including new factory busheling (for example, sheet clippings, stampings, etc.). May not include old auto body and fender stock. Free of metal coated, vitreous enameled and electrical sheet containing over 0.5 percent silicon. Minimum density: 50 lbs per cu. Ft.

#### Expected Chemistry (%; max)

Copper	0.080
Chrome	0.050
Nickel	0.050
Tin	0.005
Phosphorous	0.010
Sulphur	0.010
Molybdenum	0.020

#### Dimension (inches; max)

Cambridge	36" x 12"
Whitby	36" x 12"
Manitoba	N/A
Perth Amboy	60" x 24"
Sayreville	36" x 12"
Knoxville	N/A
Jackson	60" x 24"
Charlotte	N/A
Cartersville	60" x 24"
Jacksonville	60" x 24"
Wilton	N/A
St. Paul	N/A
Beaumont	12" x 12"
Sand Springs	N/A

### Pictures



## IRON & STEEL SCRAP SPECIFICATIONS

### Type of Scrap: **Turnings**

ISRI Code: **221**  
ISRI name: **Shoveling Turnings**

Gerdau Code: **810**  
Gerdau name: **Turnings**

### Specifications

Clean short steel or wrought iron turnings, drillings or screw cuttings. May include any such material whether resulting from crushing, raking or other processes. Free of springy, bushy, tangled or matted material, lumps, iron borings, nonferrous metals in a free state, grindings, or organic liquids.

#### Expected Chemistry (%; max)

Copper	0.250
Chrome	0.150
Nickel	0.100
Tin	0.010
Phosphorous	0.050
Sulphur	0.080
Silicon	0.150
Molybdenum	0.050

#### Dimension (inches; max)

Cambridge	N/A
Whitby	N/A
Manitoba	N/A
Perth Amboy	N/A
Sayreville	N/A
Knoxville	N/A
Jackson	N/A
Charlotte	N/A
Cartersville	N/A
Jacksonville	N/A
Wilton	N/A
St. Paul	N/A
Beaumont	N/A
Sand Springs	N/A

### Pictures



## IRON & STEEL SCRAP SPECIFICATIONS

### Type of Scrap: **Rail Scrap**

ISRI Code: **N/A**  
ISRI name: **N/A**

Gerdau Code: **811**  
Gerdau name: **Rail Scrap**

### Specifications

Standard section tee rails, original weight 50 pounds per yard or heavier, 5 feet long and over.

#### Expected Chemistry (%; max)

Copper	0.150
Chrome	0.100
Nickel	0.100
Tin	0.010
Phosphorous	0.030
Sulphur	0.040
Silicon	0.150
Molybdenum	0.020

#### Dimension (inches; max)

Cambridge	N/A
Whitby	N/A
Manitoba	N/A
Perth Amboy	N/A
Sayreville	N/A
Knoxville	N/A
Jackson	N/A
Charlotte	N/A
Cartersville	N/A
Jacksonville	N/A
Wilton	N/A
St. Paul	N/A
Beaumont	N/A
Sand Springs	N/A

#### Picture





## IRON & STEEL SCRAP SPECIFICATIONS

### Type of Scrap: **Other Track Material**

ISRI Code: **Railroad Ferrous Scrap 4,5,6**  
 ISRI name: **Railroad Ferrous Scrap 4,5,6**

Gerdau Code: **812**  
 Gerdau name: **Other Track Material**

### Specifications

May include spikes, track bolts, nuts, lock washers, rail anchors, tie plates, steel, rail joints, angle and/or splice bars. Max 3 foot dimension.

#### Expected Chemistry (%; max)

Copper	0.150
Chrome	0.100
Nickel	0.100
Tin	0.010
Phosphorous	0.030
Sulphur	0.040
Silicon	0.150
Molybdenum	0.020

#### Dimension (inches; max)

Cambridge	N/A
Whitby	N/A
Manitoba	N/A
Perth Amboy	N/A
Sayreville	N/A
Knoxville	N/A
Jackson	N/A
Charlotte	N/A
Cartersville	N/A
Jacksonville	N/A
Wilton	N/A
St. Paul	N/A
Beaumont	N/A
Sand Springs	N/A

### Pictures



## IRON & STEEL SCRAP SPECIFICATIONS

### Type of Scrap: **Industrial Clips**

ISRI Code: **207A**  
ISRI name: **New Black Sheet Clippings**

Gerda Code: **813**  
Gerda name: **Industrial Clips**

### Specifications

Clean low residual black sheet scrap of industrial origin. Must exclude galvanized, tinplate and terne plate, vitreous enameled and electrical sheet containing over 0.5 percent silicon. Minimum density 50 lbs per cu. ft.

#### Expected Chemistry (%; max)

Copper	0.080
Chrome	0.040
Nickel	0.040
Tin	0.005
Phosphorous	0.020
Sulphur	0.020
Molybdenum	0.020

#### Dimension (inches; max)

Cambridge	24" x 12"
Whitby	24" x 12"
Manitoba	60" x 18"
Perth Amboy	60" x 24"
Sayreville	N/A
Knoxville	N/A
Jackson	
Charlotte	N/A
Cartersville	60" x 24"
Jacksonville	N/A
Wilton	60" x 18" or 48" x 48"
St. Paul	60" x 18"
Beaumont	60" x 18" or 48" x 48"
Sand Springs	48" x 36"

### Pictures



## IRON & STEEL SCRAP SPECIFICATIONS

### Type of Scrap: **Light Sheet/Baler Grade**

ISRI Code: **N/A**  
ISRI name: **N/A**

Gerdau Code: **814**  
Gerdau name: **Light Sheet**

### Specifications

Clean old sheet scrap such as siding, roofing, and appliances. Must exclude automotive mufflers and tail pipes, air conditioners, fluorescent light fixtures, microwave ovens, photocopiers, commercial/industrial refrigerators or freezers, fluorescent light fixtures in stoves, furnace motors and electrical attachments, computers (unless visibly stripped of all electrical components), and all debris such as garbage, paper, rags, wood, cement, dirt, rubber, and excessive insulation. Should produce a #2 bundle.

#### Expected Chemistry (%; max)

Copper	0.400
Chrome	0.150
Nickel	0.100
Tin	0.010
Phosphorous	0.050
Sulphur	0.110
Silicon	0.150
Molybdenum	0.050

#### Dimension (inches; max)

Cambridge	N/A
Whitby	N/A
Manitoba	N/A
Perth Amboy	N/A
Sayreville	N/A
Knoxville	N/A
Jackson	N/A
Charlotte	N/A
Cartersville	N/A
Jacksonville	N/A
Wilton	N/A
St. Paul	N/A
Beaumont	N/A
Sand Springs	N/A

### Pictures





## IRON & STEEL SCRAP SPECIFICATIONS

### Type of Scrap: # 1 Bundles

ISRI Code: **208**  
ISRI name: **No. 1 bundles**

Gerdau Code: **815**  
Gerdau name: **# 1 Bundles**

### Specifications

New black steel sheet scrap, clippings or skeleton scrap, compressed, to charging box size. May include skeleton reels, tightly secured. May not include old auto body or fender stock. Free of metal coated, vitreous enameled, and electrical sheet containing over 0.5 percent silicon. Minimum density: 75 lbs per cu. ft.

#### Expected Chemistry (%; max)

Copper	0.100
Chrome	0.050
Nickel	0.050
Tin	0.005
Phosphorous	0.010
Sulphur	0.010
Silicon	0.150
Molybdenum	0.015

#### Dimension (inches; max)

Cambridge	24" x 24" x 36"
Whitby	24" x 24" x 36"
Manitoba	24" x 24" x 36"
Perth Amboy	24" x 24" x 36"
Sayreville	N/A
Knoxville	N/A
Jackson	24" x 24" x 36"
Charlotte	N/A
Cartersville	24" x 24" x 36"
Jacksonville	24" x 24" x 36"
Wilton	24" x 24" x 36"
St. Paul	24" x 24" x 36"
Beaumont	24" x 24" x 36"
Sand Springs	24" x 24" x 36"

### Pictures



## IRON & STEEL SCRAP SPECIFICATIONS

### Type of Scrap: # 2 Bundles

ISRI Code: **209**  
ISRI name: **No. 2 bundles**

Gerda Code: **816**  
Gerda name: **# 2 Bundles**

### Specifications

Old black and galvanized steel sheet scrap, hydraulically compressed to charging box size. May not include tin or lead-coated material or vitreous enameled material. Minimum density: 50 lbs per cu. ft.

#### Expected Chemistry (%; max)

Copper	0.400
Chrome	0.250
Nickel	0.250
Tin	0.035
Phosphorous	0.020
Sulphur	0.040
Silicon	0.250
Molybdenum	0.040

#### Dimension (inches; max)

Cambridge	24" x 24" x 36"
Whitby	24" x 24" x 36"
Manitoba	24" x 24" x 36"
Perth Amboy	N/A
Sayreville	N/A
Knoxville	N/A
Jackson	24" x 24" x 36"
Charlotte	N/A
Cartersville	24" x 24" x 36"
Jacksonville	24" x 24" x 36"
Wilton	24" x 24" x 36"
St. Paul	24" x 24" x 36"
Beaumont	N/A
Sand Springs	N/A

### Pictures



## IRON & STEEL SCRAP SPECIFICATIONS

### Type of Scrap: **Shredder Log**

ISRI Code: **N/A**  
ISRI name: **N/A**

Gerdau Code: **817**  
Gerdau name: **Shredder Log**

### Specifications

Mixed oversized steel clips and automobile bodies that are baled for freight rate reduction purposes. Bales containing clean steel automobile bodies must be free of fuel tanks (gas, diesel, natural gas, or propane), batteries, all rubber tires, and air bag canisters. Mercury switches must be removed pursuant to an EPA approved program (USA) or "Switch Out" (Canada). Car bodies must not be stuffed with heavy steel scrap, cable, or wire. The bales must not include any hazardous material or heavy steel. Density and dimension varies by location. Please contact your local representative for more information.

#### Expected Chemistry (%; max)

Copper	0.400
Chrome	0.150
Nickel	0.100
Tin	0.010
Phosphorous	0.050
Sulphur	0.110
Silicon	0.150
Molybdenum	0.050

#### Dimension (inches; max)

Cambridge	N/A
Whitby	N/A
Manitoba	N/A
Perth Amboy	N/A
Sayreville	N/A
Knoxville	N/A
Jackson	N/A
Charlotte	N/A
Cartersville	N/A
Jacksonville	N/A
Wilton	N/A
St. Paul	N/A
Beaumont	N/A
Sand Springs	N/A

### Pictures





## IRON & STEEL SCRAP SPECIFICATIONS

### Type of Scrap: **Car Towed/Shredder Grade**

ISRI Code: **N/A**  
ISRI name: **N/A**

Gerdau Code: **818**  
Gerdau name: **Car Towed**

### Specifications

Cars towed in with gas tanks and batteries removed, all fluids must be drained. Ownership required to purchase. Mercury switches removed pursuant to an EPA approved program (USA) or "Switch Out" (Canada). Car bodies must not be stuffed with heavy steel scrap, cable, or wire. Sheet scrap, such as appliances, and siding, placed in automobile bodies cannot be accepted. All debris (paper, garbage etc) must be removed prior to delivery to the shredder.

#### Expected Chemistry (%; max)

Copper	0.400
Chrome	0.150
Nickel	0.100
Tin	0.010
Phosphorous	0.050
Sulphur	0.110
Silicon	0.150
Molybdenum	0.050

#### Dimension (inches; max)

Cambridge	N/A
Whitby	N/A
Manitoba	N/A
Perth Amboy	N/A
Sayreville	N/A
Knoxville	N/A
Jackson	N/A
Charlotte	N/A
Cartersville	N/A
Jacksonville	N/A
Wilton	N/A
St. Paul	N/A
Beaumont	N/A
Sand Springs	N/A

### Pictures



## IRON & STEEL SCRAP SPECIFICATIONS

### Type of Scrap: **Car Bodies/Shredder Grade**

ISRI Code: **N/A**  
ISRI name: **N/A**

Gerdau Code: **819**  
Gerdau name: **Car Bodies**

### Specifications

Clean steel automobile bodies free of fuel tanks (gas, diesel, natural gas, or propane), batteries, all rubber tires, and air bag canisters. Mercury switches removed pursuant to an EPA approved program (USA) or "Switch Out" (Canada). Car bodies must not be stuffed with heavy steel scrap, cable, or wire. Sheet scrap, such as appliances, and siding, placed in automobile bodies cannot be accepted. All debris (paper, garbage etc) must be removed prior to delivery to the shredder.

#### Expected Chemistry (%; max)

Copper	0.400
Chrome	0.150
Nickel	0.100
Tin	0.010
Phosphorous	0.050
Sulphur	0.110
Silicon	0.150
Molybdenum	0.050

#### Dimension (inches; max)

Cambridge	N/A
Whitby	N/A
Manitoba	N/A
Perth Amboy	N/A
Sayreville	N/A
Knoxville	N/A
Jackson	N/A
Charlotte	N/A
Cartersville	N/A
Jacksonville	N/A
Wilton	N/A
St. Paul	N/A
Beaumont	N/A
Sand Springs	N/A

### Pictures



## IRON & STEEL SCRAP SPECIFICATIONS

### Type of Scrap: **Mixed Oversize Clips**

ISRI Code: **N/A**  
ISRI name: **N/A**

Gerda Code: **820**  
Gerda name: **Mixed Oversize Clips**

### Specifications

For shredding purposes. It must be 15' in length or shorter. 5' in width or less. 1/4" or less in thickness. Must not include more than 25% clean tin, 25% #2 heavy melt, 50% #2 oversize. Must not include any white goods, any drums or pails, any gas tanks, any hazardous or explosive material, or any unshreddables.

#### Expected Chemistry (%; max)

Copper	0.200
Chrome	0.150
Nickel	0.100
Tin	0.010
Phosphorous	0.050
Sulphur	0.110
Silicon	0.150
Molybdenum	0.050

#### Dimension (inches; max)

Cambridge	N/A
Whitby	N/A
Manitoba	N/A
Perth Amboy	N/A
Sayreville	N/A
Knoxville	N/A
Jackson	N/A
Charlotte	N/A
Cartersville	N/A
Jacksonville	N/A
Wilton	N/A
St. Paul	N/A
Beaumont	N/A
Sand Springs	N/A

### Pictures





## IRON & STEEL SCRAP SPECIFICATIONS

### Type of Scrap: **Shredded**

ISRI Code: **210/211**  
ISRI name: **Shredded scrap**

Gerdau Code: **821**  
Gerdau name: **Shred**

### Specifications

Homogeneous iron and steel scrap, magnetically separated, originating from automobiles, unprepared No. 1 and No. 2 steel, miscellaneous baling and sheet scrap. Minimum density: 70 lbs per cu. ft. [Mercury switches must be removed prior to shredding pursuant to an EPA approved program (USA) or "Switch Out" (Canada) ].

#### Expected Chemistry (%; max)

Copper	0.300
Chrome	0.100
Nickel	0.110
Tin	0.010
Phosphorous	0.020
Sulphur	0.040
Silicon	0.200
Molybdenum	0.040

#### Dimension (inches; max)

Cambridge	N/A
Whitby	N/A
Manitoba	N/A
Perth Amboy	N/A
Sayreville	N/A
Knoxville	N/A
Jackson	N/A
Charlotte	N/A
Cartersville	N/A
Jacksonville	N/A
Wilton	N/A
St. Paul	N/A
Beaumont	N/A
Sand Springs	N/A

### Pictures



## IRON & STEEL SCRAP SPECIFICATIONS

### Type of Scrap: **Clean Auto Cast**

ISRI Code: **259**  
ISRI name: **Clean Auto Cast**

Gerdau Code: **823**  
Gerdau name: **Clean Auto Cast**

### Specifications

Clean auto blocks, free of all steel parts except camshafts, valves, springs and studs.  
Free of nonferrous and non-metallic parts.

#### Expected Chemistry (%; max)

Copper	0.250
Chrome	0.150
Nickel	0.100
Tin	0.010
Phosphorous	0.050
Sulphur	0.110
Silicon	0.150
Molybdenum	0.050
Carbon	3.000

#### Dimension (inches; max)

Cambridge	N/A
Whitby	N/A
Manitoba	N/A
Perth Amboy	N/A
Sayreville	N/A
Knoxville	N/A
Jackson	N/A
Charlotte	N/A
Cartersville	N/A
Jacksonville	N/A
Wilton	N/A
St. Paul	N/A
Beaumont	N/A
Sand Springs	N/A

### Pictures



## IRON & STEEL SCRAP SPECIFICATIONS

### Type of Scrap: **Drum Bundles**

ISRI Code: **N/A**  
ISRI name: **N/A**

Gerda Code: **826**  
Gerda name: **Drum Bundles**

### Specifications

Material must be triple-washed, incinerated or otherwise handled according to all environmental regulations.

#### Expected Chemistry (%; max)

Copper	0.080
Chrome	0.050
Nickel	0.050
Tin	0.005
Phosphorous	0.010
Sulphur	0.010
Molybdenum	0.020

#### Dimension (inches; max)

Cambridge	24" x 24" x 36"
Whitby	24" x 24" x 36"
Manitoba	24" x 24" x 36"
Perth Amboy	24" x 24" x 36"
Sayreville	N/A
Knoxville	N/A
Jackson	24" x 24" x 36"
Charlotte	N/A
Cartersville	24" x 24" x 36"
Jacksonville	24" x 24" x 36"
Wilton	24" x 24" x 36"
St. Paul	N/A
Beaumont	N/A
Sand Springs	N/A

### Pictures





## IRON & STEEL SCRAP SPECIFICATIONS

### Type of Scrap: **Borings**

ISRI Code: **223**  
ISRI name: **Iron borings**

Gerdau Code: **827**  
Gerdau name: **Borings**

### Specifications

Clean cast iron or malleable iron borings and drillings, free of steel turnings, scale, lumps and organic liquids.

#### Expected Chemistry (%; max)

Copper	0.250
Chrome	0.150
Nickel	0.100
Tin	0.010
Phosphorous	0.050
Sulphur	0.110
Silicon	0.150
Molybdenum	0.050
Carbon	4.000

#### Dimension (inches; max)

Cambridge	N/A
Whitby	N/A
Manitoba	N/A
Perth Amboy	N/A
Sayreville	N/A
Knoxville	N/A
Jackson	N/A
Charlotte	N/A
Cartersville	N/A
Jacksonville	N/A
Wilton	N/A
St. Paul	N/A
Beaumont	N/A
Sand Springs	N/A

### Pictures



## IRON & STEEL SCRAP SPECIFICATIONS

### Type of Scrap: **Pig Iron**

ISRI Code: **N/A**  
ISRI name: **N/A**

Gerda Code: **828**  
Gerda name: **Pig Iron**

### Specifications

Unless otherwise specified, all grades shall be free of non-ferrous metals and non-metallic of any kind, including excessive dirt, loose turnings, cast iron, swarf, grinding dust, scale, oil, grease, excessive rust, terne plate, tin plate, detinned material, babbitt, resulfurized metal, stainless steel, chrome, and vitreous enamel coatings. 94% Fe minimum. 150 pounds per cu. ft. minimum density.

#### Expected Chemistry (%; max)

Copper	0.020
Chrome	0.020
Nickel	0.010
Tin	0.002
Phosphorous	0.070
Sulphur	0.030
Molybdenum	0.001
Carbon	4.000

#### Dimension

Cambridge	N/A
Whitby	N/A
Manitoba	N/A
Perth Amboy	N/A
Sayreville	N/A
Knoxville	N/A
Jackson	N/A
Charlotte	N/A
Cartersville	N/A
Jacksonville	N/A
Wilton	N/A
St. Paul	N/A
Beaumont	N/A
Sand Springs	N/A

### Pictures



## IRON & STEEL SCRAP SPECIFICATIONS

### Type of Scrap: # 1 1/2 Bundles

ISRI Code: **N/A**  
ISRI name: **N/A**

Gerda Code: **831**  
Gerda name: **# 1 1/2 Bundles**

### Specifications

Wrought iron or steel scrap, black or galvanized, 1/64 inch and over in thickness, compressed to charging box size. Auto body and fender stock, burnt or hand stripped, may constitute a maximum of 60 percent by weight. (This percent based on makeup of auto body, chassis, drive shafts, and bumpers.) Free of all coated material, except as found on automobiles. Free (to the extent practicable) of chlorinate plastics, lead and organic liquids. Minimum density: 65 lbs per cu. ft.

#### Expected Chemistry (%; max)

Copper	0.300
Chrome	0.150
Nickel	0.150
Tin	0.015
Phosphorous	0.040
Sulphur	0.040
Silicon	0.250
Molybdenum	0.030

#### Dimension (inches; max)

Cambridge	24" x 24" x 36"
Whitby	24" x 24" x 36"
Manitoba	N/A
Perth Amboy	24" x 24" x 36"
Sayreville	N/A
Knoxville	N/A
Jackson	24" x 24" x 36"
Charlotte	N/A
Cartersville	24" x 24" x 36"
Jacksonville	24" x 24" x 36"
Wilton	N/A
St. Paul	24" x 24" x 36"
Beaumont	N/A
Sand Springs	N/A

### Pictures





## IRON & STEEL SCRAP SPECIFICATIONS

### Type of Scrap: **Mandrel Bundles**

ISRI Code: **N/A**  
ISRI name: **N/A**

Gerda Code: **831**  
Gerda name: **Mandrel Bundles**

### Specifications

Bundles originating from a wire drawing or commercial slitting plant. Banded in at least four places to ensure ease of handling.

#### Expected Chemistry (%; max)

Copper	0.100
Chrome	0.050
Nickel	0.050
Tin	0.005
Phosphorous	0.010
Sulphur	0.010
Silicon	0.150
Molybdenum	0.015

#### Dimension (inches; max)

Cambridge	N/A
Whitby	N/A
Manitoba	N/A
Perth Amboy	24" x 36"
Sayreville	N/A
Knoxville	N/A
Jackson	N/A
Charlotte	N/A
Cartersville	N/A
Jacksonville	24" x 36"
Wilton	N/A
St. Paul	N/A
Beaumont	N/A
Sand Springs	N/A

### Pictures



## IRON & STEEL SCRAP SPECIFICATIONS

### Type of Scrap: **Unprepared Cast**

ISRI Code: **254**  
ISRI name: **Heavy Breakable Cast**

Gerdau Code: **833**  
Gerdau name: **Unprepared Cast**

### Specifications

Cast iron scrap over charging box size. May include cylinders and driving wheel centers. May include steel which does not exceed 10 percent of the casting by weight.

#### Expected Chemistry (%; max)

Copper	0.250
Chrome	0.020
Nickel	0.020
Tin	0.010
Phosphorous	0.040
Sulphur	0.140
Molybdenum	0.020
Carbon	3.000

#### Dimension (inches; max)

Cambridge	N/A
Whitby	N/A
Manitoba	N/A
Perth Amboy	N/A
Sayreville	N/A
Knoxville	N/A
Jackson	N/A
Charlotte	N/A
Cartersville	N/A
Jacksonville	N/A
Wilton	N/A
St. Paul	N/A
Beaumont	N/A
Sand Springs	N/A

### Pictures



## IRON & STEEL SCRAP SPECIFICATIONS

### Type of Scrap: **Mixed # 1 and # 2**

ISRI Code: **N/A**  
ISRI name: **N/A**

Gerda Code: **837**  
Gerda name: **Mixed # 1 and # 2**

### Specifications

Must conform to requirements of # 2 steel grade with sufficient # 1 steel (minimum 40%) included to qualify for price adjustment. Minimum density: 50 lbs per cu. ft.

#### Expected Chemistry (%; max)

Copper	0.350
Chrome	0.180
Nickel	0.140
Tin	0.030
Phosphorous	0.020
Sulphur	0.040
Silicon	0.150
Molybdenum	0.040

#### Dimension (inches; max)

Cambridge	36" x 24"
Whitby	48" x 24"
Manitoba	N/A
Perth Amboy	N/A
Sayreville	N/A
Knoxville	48" x 18"
Jackson	36" x 36"
Charlotte	36" x 18"
Cartersville	48" x 24"
Jacksonville	48" x 18"
Wilton	N/A
St. Paul	N/A
Beaumont	N/A
Sand Springs	N/A

### Pictures





## IRON & STEEL SCRAP SPECIFICATIONS

### Type of Scrap: **Flashings**

ISRI Code: **N/A**  
ISRI name: **N/A**

Gerdau Code: **840**  
Gerdau name: **Flashings**

### Specifications

New production material from a forging operation. Must be free of lime and coated material.

#### Expected Chemistry (%; max)

Copper	0.150
Chrome	0.350
Nickel	0.350
Tin	0.015
Phosphorous	0.040
Sulphur	0.040
Silicon	0.250
Molybdenum	0.150

#### Dimension (inches; max)

Cambridge	36"
Whitby	N/A
Manitoba	N/A
Perth Amboy	36"
Sayreville	36"
Knoxville	36"
Jackson	36"
Charlotte	36"
Cartersville	N/A
Jacksonville	N/A
Wilton	N/A
St. Paul	N/A
Beaumont	N/A
Sand Springs	N/A

### Pictures



## IRON & STEEL SCRAP SPECIFICATIONS

### Type of Scrap: **Tire wire**

ISRI Code: **278**  
ISRI name: **Processed tire wire**

Gerdau Code: **842**  
Gerdau name: **Tire Wire**

### Specifications

Items not covered in the specifications, and any variations in the specification, are subject to special arrangement between buyer and seller. Chopped. Less than two percent (<2%) rubber/fibre. Minimum density 20 lbs per cu ft.

#### Expected Chemistry (%; max)

Copper	0.080
Chrome	0.100
Nickel	0.100
Tin	0.010
Phosphorous	0.015
Sulphur	0.015
Molybdenum	0.010

#### Dimension

Cambridge	Loose/Baled
Whitby	Loose/Baled
Manitoba	Loose/Baled
Perth Amboy	Loose/Baled
Sayreville	Loose/Baled
Knoxville	Loose/Baled
Jackson	Loose/Baled
Charlotte	Loose/Baled
Cartersville	Loose/Baled
Jacksonville	Loose/Baled
Wilton	Loose/Baled
St. Paul	Loose/Baled
Beaumont	Loose/Baled
Sand Springs	Loose/Bales

### Pictures





## IRON & STEEL SCRAP SPECIFICATIONS

### Type of Scrap: **Municipal Scrap**

ISRI Code: **N/A**  
ISRI name: **N/A**

Gerdau Code: **846**  
Gerdau name: **Muni Scrap**

### Specifications

Scrap derived from incinerator of a municipal waste stream, magnetically separated. Must be free of ash material. May not contain any medical wastes (i.e. syringes, etc.). May not originate from a hazardous waste incinerator. Minimum density 45 lbs per cu ft.

#### Expected Chemistry (%; max)

Copper	0.500
Chrome	0.200
Nickel	0.200
Tin	0.030
Phosphorous	0.040
Sulphur	0.040
Molybdenum	0.020

#### Dimension

Cambridge	12" x 24"
Whitby	12" x 24"
Manitoba	12" x 24"
Perth Amboy	12" x 24"
Sayreville	12" x 24"
Knoxville	12" x 24"
Jackson	12" x 24"
Charlotte	12" x 24"
Cartersville	12" x 24"
Jacksonville	12" x 24"
Wilton	12" x 24"
St. Paul	12" x 24"
Beaumont	12" x 24"

### Pictures





## IRON & STEEL SCRAP SPECIFICATIONS

### Type of Scrap: **White Goods**

ISRI Code: **N/A**  
ISRI name: **N/A**

Gerdau Code: **864**  
Gerdau name: **White Goods**

### Specifications

Material must be free from capacitors, mercury switches, ballasts and Freon. Material includes household appliances such as refrigerators, stoves, hot water heaters, washers, dryers. Acceptance is subject to applicable federal, state/provincial and local environmental standards.

#### Expected Chemistry (%; max)

Copper	0.400
Chrome	0.250
Nickel	0.250
Tin	0.035
Phosphorous	0.020
Sulphur	0.040
Silicon	0.250
Molybdenum	0.040

#### Dimension (inches; max)

Cambridge	N/A
Whitby	N/A
Manitoba	N/A
Perth Amboy	N/A
Sayreville	N/A
Knoxville	N/A
Jackson	N/A
Charlotte	N/A
Cartersville	N/A
Jacksonville	N/A
Wilton	N/A
St. Paul	N/A
Beaumont	N/A
Sand Springs	N/A

### Pictures



## IRON & STEEL SCRAP SPECIFICATIONS

### Type of Scrap: **B Scrap**

ISRI Code: **N/A**  
ISRI name: **N/A**

Gerda Code: **893**  
Gerda name: **B Scrap**

### Specifications

Clean material recovered from slag reclamation process. 75% Fe minimum.

#### Expected Chemistry (%; max)

Copper	N/A
Chrome	N/A
Nickel	N/A
Tin	N/A
Phosphorous	N/A
Sulphur	N/A
Molybdenum	N/A

#### Dimension

Cambridge	N/A
Whitby	N/A
Manitoba	3/4" to 1 1/2"
Perth Amboy	3" to 8"
Sayreville	3" to 8"
Knoxville	N/A
Jackson	N/A
Charlotte	1" to 4"
Cartersville	N/A
Jacksonville	1" to 3"
Wilton	N/A
St. Paul	N/A
Beaumont	N/A
Sand Springs	N/A

#### Pictures



## IRON & STEEL SCRAP SPECIFICATIONS

### Type of Scrap: **Tin Plate**

ISRI Code: **N/A**  
ISRI name: **N/A**

Gerda Code: **N/A**  
Gerda name: **Tin Plate**

### Specifications

Tin plated sheet clips sized 4' maximum x 18" maximum. Must be no more than 25% tin bearing material. If more than 25%, cars must be special noticed and price negotiated.

#### Expected Chemistry (%; max)

Copper	0.080
Chrome	0.040
Nickel	0.040
Tin	0.300
Phosphorous	0.020
Sulphur	0.020
Molybdenum	0.020

#### Dimension (inches; max)

Cambridge	24" x 12"
Whitby	24" x 12"
Manitoba	N/A
Perth Amboy	N/A
Sayreville	N/A
Knoxville	N/A
Jackson	N/A
Charlotte	N/A
Cartersville	60" x 24"
Jacksonville	N/A
Wilton	N/A
St. Paul	N/A
Beaumont	N/A
Sand Springs	N/A

### Pictures





## IRON & STEEL SCRAP SPECIFICATIONS

### Type of Scrap: **Mixed Clips**

ISRI Code: **N/A**  
ISRI name: **N/A**

Gerdau Code: **N/A**  
Gerdau name: **Mixed Clips**

### Specifications

Painted, galvanized and black sheets clips. Minimum density 45 lbs per cu ft.

#### Expected Chemistry (%; max)

Copper	0.120
Chrome	0.100
Nickel	0.100
Tin	0.020
Phosphorous	0.030
Sulphur	0.030
Molybdenum	0.020

#### Dimension (inches; max)

Cambridge	N/A
Whitby	N/A
Manitoba	60" x 18"
Perth Amboy	N/A
Sayreville	N/A
Knoxville	N/A
Jackson	60" x 24"
Charlotte	N/A
Cartersville	60" x 24"
Jacksonville	N/A
Wilton	60" x 18" or 48" x 48"
St. Paul	N/A
Beaumont	60" x 18" or 48" x 48"
Sand Springs	N/A

### Pictures

