



stelco.com



PIG IRON INGOTS

Dual Strand Casted
Basic and Low-Sulfur Grades

Stelco produces pig iron ingots using hot metal produced by the Lake Erie Works' blast furnace. The ingots are designed to exceed the high quality demands for the use in iron foundries along with BOF and EAF processes worldwide. Our product portfolio includes both "basic" and "low-sulfur" grades to meet the different needs of our customers.

To learn more about pig iron ingots, please
contact a Stelco Procurement Representative.



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Pig Iron Production

Stelco's Lake Erie Works' blast furnace is the only smart furnace in North America and its advanced monitoring and control makes it the most efficient way to produce high quality pig iron.

Stelco's pig iron ingots are cast at our onsite facility by directly pouring molten iron onto a dual strand, multi-cavity, continuous caster.

In addition to the "basic" pig iron, Stelco offers a "low-sulfur" option which is produced by a unique desulphurization process performed prior to casting. This procedure produces ingots with sulfur levels less than 0.01 wt%.

Typical Ingot Chemical/Physical Properties

| Pig Iron Type | Fe % | C % | Si % | Mn % | Cr % | P % | Ti % | S % |
|---------------|-------|------|------|------|------|-------|-------|-------------|
| Basic | 94.25 | 4.50 | 0.70 | 0.25 | 0.04 | 0.035 | 0.023 | 0.03 - 0.05 |
| Low-Sulfur | 94.25 | 4.50 | 0.70 | 0.25 | 0.04 | 0.035 | 0.023 | ≤ 0.01 |

— All values are based on wt %

| Shape | Weight | Length | Width | Height |
|---------------------|---------|---------|---------|--------|
| Trapezoidal Pyramid | 25 lbs. | 11.0 in | 4.0 in | 2.5 in |
| | 11.3 kg | 27.9 cm | 10.2 cm | 6.4 cm |

Quality Control

To ensure that the chemistry meets customer's sulfur-level requirements, samples are taken from each casting lot and undergo chemical testing at Stelco's onsite labs.

Pig iron is tested on a monthly basis by an accredited, third party lab for chemical analysis. Lab certificates can be made available to our customers upon request.

Logistic Options/Rail Loading Process

Stelco's central location makes it ideal for supplying pig iron ingots to North American iron foundries, EAF producers and BOF steel making facilities.

Stelco offers three logistical options for pig iron transportation: truck, rail[†] and waterway*. This ensures a convenient and cost competitive transportation mode for all our customers.

Stelco aims to have all rail cars loaded as close to the maximum capacity as possible (track-capacity is 263,000 lbs. max gross weight) to maximize shipping-cost efficiency. To ensure the accuracy of the weight, rail cars are weighed on a certified rail scale before and after loading, eliminating the need for additional weight verification upon receipt at a customers facility.



[†] Stelco currently offers one size of pig iron ingots. The weight and dimensions outlined in the table represent a typical full-size ingot. Ingot sizing is subject to change without notice.

^{*}For rail shipments, Stelco's Lake Erie Works is serviced by Canadian National Railway Company. ^{*} Please inquire about using a barge as a logistic option.