QATAR STEEL
INDUSTRIES FACTORY (W.L.L)
مصنع قطر للصناعات الحديدية

QATAR
HOT ROLLED (HR) COIL

Hot rolled coil is steel that has been rolled-pressed at high temperatures of 900° degrees. This makes the steel easier to mould and results in products that are easier to work with.

To create hot rolled steel, manufacturers begin the process with a large rectangular piece of metal called a billet. The billet is heated and flattened into a large roll from there its state is maintained at high temperatures and run through a series of rollers to achieve the initial shape.

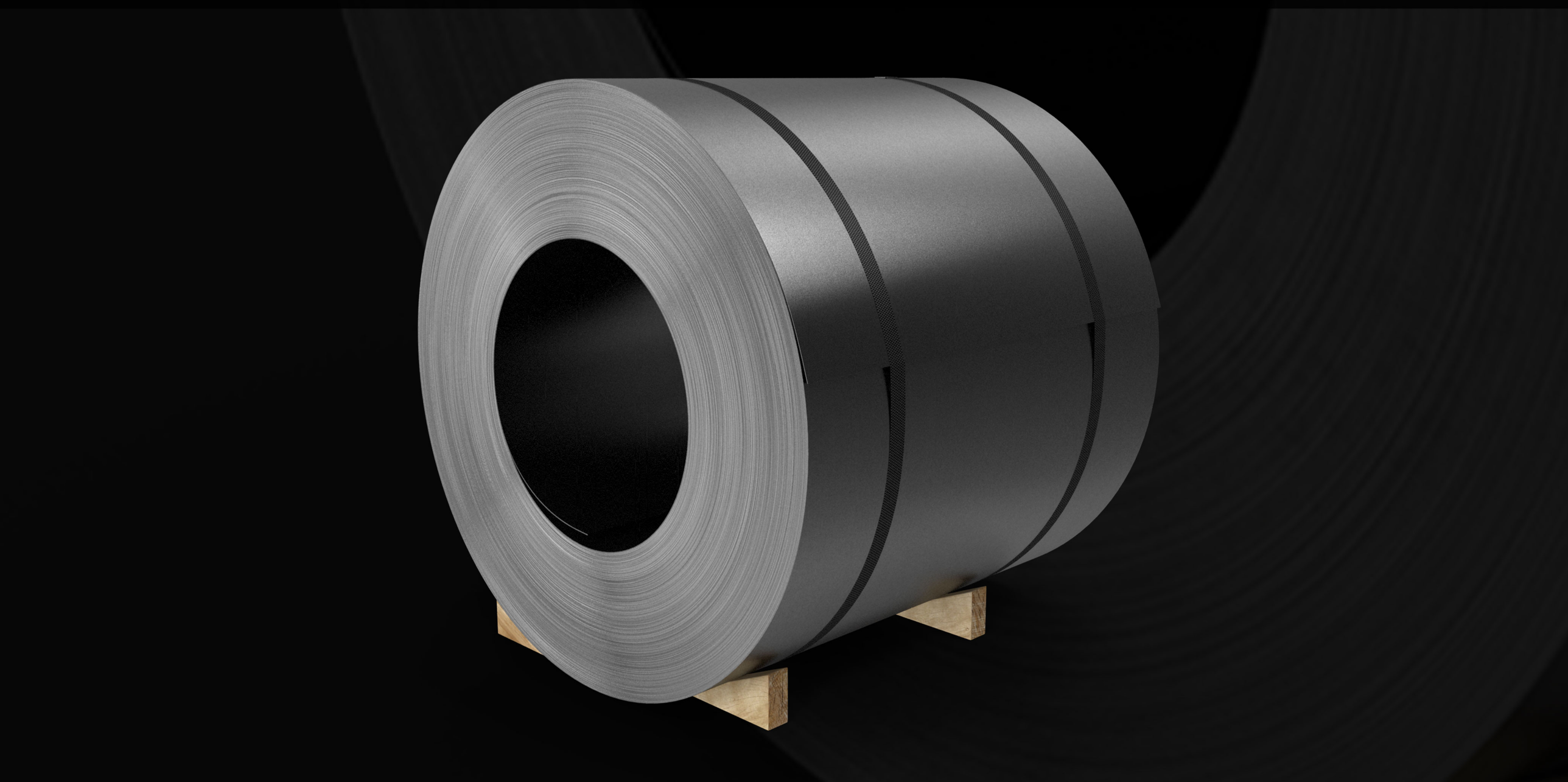
The white-hot strands of steel are run through the rollers at high speeds to create sheet metal. Hot rolled steel is spun into coils and left to cool to create plates, bars, and other products.

Once the sheet has cooled down it shrinks. However, in this method of manufacturing, it is allowed to do so without controlling the final shape. This makes the resulting steel less suitable for precision applications. The hot rolled steel coil is often used in applications where minutely specific dimensions are not crucial such as railroad tracks and construction projects. Hot-rolled coils require comparatively less processing than cold rolled coils, which makes it cheaper. The hot-rolled coils are cooled to room temperature, which normalises the metal.

Hot rolled steel coils are ideal where accurate dimensions, shapes, or surface finishing is not as important compared to material strength. However, if surface finishing is required it can be done with sandblasting, grinding, or acid bath pickling. To neutralise surface oxides the hot rolled steel coils are passed through an acidic solution and subsequently oiling the surface to make it corrosion-resistant.

Some of the hot rolled coil's features include:

- Choice of customization as per the customers' requirements.
- Finding use in the fabrication of container vessels, boiler, vehicle, building materials, and factory structures.
- Available in all lengths and sizes according to customer requirements.
- QSIF provides Most of the common Grades and which are CE-approved and internationally approved standards, which meet the European and Middle Eastern Markets.
- Material Thickness from 1.20 to 16.00 mm and width from 1000 to 1500 mm.



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TECHNICAL DATA SHEET

HOT ROLLED COIL

THICKNESS	1.00 mm - 12.00 mm
MATERIALS SURFACE TREATMENT	Hot Rolled (HR)
WIDTH	1000 mm - 1250 mm - 1500 mm
APPLICATION	Electronic Machines, Manufacturing Containers, Architectural Windows and Automobile Industry.
GRADES AVAILABLE	ASTM, EN, JIS, BIS
COATING AVAILABILITY	N/A