

hot-rolled Q FOR THE AUTOMOTIVE INDUSTRY

Hot rolled steel strip—next level



Factsheet hot-rolled Q | Stand 11/2022

hot rolled STEEL STRIP—NEXT LEVEL

The quality of hot-rolled steel strip made by voestalpine is convincing. With hot-rolled Q, voestalpine offers quality properties at an even higher level. Thanks to advanced plant operation, hot-rolled steel strip can now be customized to an even greater extent and can be geared to specific quality requirements.

The high customizability of hot-rolled Q enables customers to achieve the best material properties the respective application. This ensures that the automotive industry is another step ahead in terms of quality because hot-rolled Q can be used to precisely highlight the desired properties.



- + Q Lowest thickness tolerance
- + Q Perfect section profile
- + Q Minimum sulfur content
- + Q Perfect surface
- + Q Lowest grain boundary oxidation
- + Q Low decarbonization
- + Q High degree of spheroidization



PREMIUM QUALITY
WITH REDUCED
CARBON FOOTPRINT



A NEW SIGN OF HIGH QUALITY

Q for lowest thickness tolerance

A high level of expertise is required when it comes to narrowest thickness tolerances. A fact that more than pays off in many respects. Fewer rejects in production, fewer repairs to the equipment, while at the same time enjoying increased production reliability and a decreased number of production steps. Doesn't that sound tempting?

Q for a perfect profile

A perfect profile enables the material to be processed without any problems in the long term. Higher production reliability and fewer rejects are the foundation for increased productivity that always pays off in the end.

Q for lowest grain boundary oxidation

Narrowest radii and best deep-drawing properties with maximum resistance to cracking. Low grain boundary oxidation results in a reduced need for post-treatment and enormous savings in production.

Q for a perfect surface

A perfect surface for each application increases the value and quality of each product. When the starting material features a perfect surface, the result is less scrap and reworking steps can be eliminated.

Q for minimum sulfur content

Less is more. Lower sulfur content means better formability of the material and a perfect edge in the punching process. The higher hole expansion capacity allows for larger throughputs and narrower radii. Better weldability is also achieved in the area of sharp-edged radii.

Q for low decarbonization

Minimized decarbonization in the edge area results in optimized surface hardenability. This leads to higher production reliability, thus making production processes efficient and perfectly plannable.

Q for a high degree of spheroidization

The high degree of spheroidization makes it possible to achieve the best forming and punching properties. The result is the elimination of a time-consuming production step. The material is supplied in full compliance with customer specifications.

OUR PATH TO A GREENER FUTURE

Premium products in the greentec steel Edition

With greentec steel, voestalpine is pursuing an ambitious step-by-step plan in the long-term decarbonization of steel production. The declared objective is to achieve carbon-neutral production by 2050, and the initial steps have already been taken. Process-optimized production operations already prevent up to 10% of the direct CO₂ emissions at the Linz site. The material and processing properties of the steel are not affected in any way in this production route. Each voestalpine steel strip product is available in premium quality in the greentec steel Edition with a reduced carbon footprint and unique benefits.



Premium quality with reduced carbon footprint

Hot-rolled steel strip – greentec steel Edition

Max. carbon footprint 2.10 kg CO₂e per kg of steel ¹⁾

Hot-dip galvanized steel strip – greentec steel Edition

Max. carbon footprint 2.30 kg CO₂e per kg of steel ¹⁾

¹⁾ per EN 15804+A2 (EPD methodology) cradle to gate

All products, dimensions and steel grades listed in each voestalpine supply range are available as greentec steel Edition.

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hot-rolled Q on our home page at
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