

hot-rolled Q FOR THE TUBE AND SECTION INDUSTRY

Hot-rolled steel strip
Next Level



Fact sheet hot-rolled Q | 10/2021

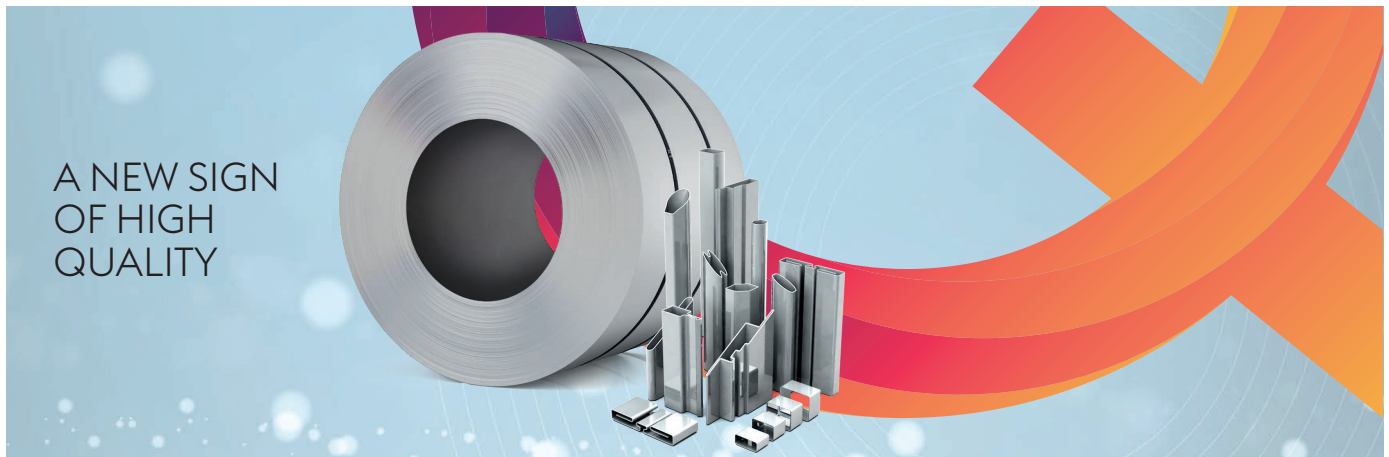
hot-rolled Q – STEEL STRIP NEXT LEVEL

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 for their applications. This puts you one step ahead, especially in the tube and profile industry. Q for best quality. Q for narrowest thickness tolerances. Q for the perfect profiled sections. These and many other properties can be highlighted by hot-rolled Q at a high level of precision.



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



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 section 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 a high degree of purity

A clean solution through and through. The high degree of purity goes hand in hand with perfect formability. Narrowest forming radii and best deep-drawing properties with high resistance to cracking are the result.

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. Greater hole expansion capacity allows for larger throughputs and narrower radii. The pipe industry in particular benefits enormously from improved welding in the radius area of sharp edges.

Q for maximum homogeneity

Low segregation is the basis for optimum formability, which especially has a positive effect in the bending and stamping processes. Lowest reject rates have a very positive effect on productivity.

Q for low 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 maximum flatness

It is not just a question of perfect evenness, but also of the associated ideal processability of the material and the resulting high level of processing reliability, which in turn leads to the lowest possible reject rates.

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 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.

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Are you interested in learning more?
www.voestalpine.com/stahl/en/hot-rolled-Q



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