



SSAB introduces new Strenx® 1100 Plus structural steel for lifting and advanced structures

Fleet and equipment owners continue to face the pressure of doing more with less. To this end, SSAB has created a new addition to the 1100 MPa range of Strenx® performance steels. [Strenx® 1100 Plus](#) is a new hot-rolled, high-strength strip steel that possesses unique weld properties and delivers outstanding welding and bending performance. And thanks to its improved weld seam strength, it contributes to lighter, stronger and more environmentally friendly equipment with better performance in the transportation and lifting industries.

Weld weaknesses virtually eliminated

As the “Plus” in its name suggests, [Strenx® 1100 Plus](#) offers customers something a bit extra. Traditionally, weld seams can represent weak links in the highest grades of structural steels. But with [Strenx® 1100 Plus](#), such weld weaknesses are virtually eliminated because the strength, elongation and impact toughness properties of the welded area meet the minimum guarantees of the parent material. The optimal combination of strength and toughness of the welded and heat-affected area offers a major benefit to the design engineering process: the design can be based on the same minimum static strength for the entire application, depending on the design rules.

Reaching higher and farther with Strenx performance steel

[Strenx® 1100 Plus](#) is ideal for lifting equipment, such as cranes, as well as lighter transportation solutions and advanced structures that require matching strength in the welds. It actually has higher strength than in the Strenx® 1100 parent material. This translates into cranes that reach higher, trailers that carry more payload, and trucks that use less fuel and emit less CO₂.

The product will be offered in thicknesses of 4.0-8.0 mm, widths up to 1,600 mm, and lengths up to 13,000 mm.

Added benefits in the workshop

- An exceptionally clean steel and a precisely controlled production process mean consistently high quality and predictable results
- Guaranteed flatness, thickness and bendability properties
- Tight tolerances, guaranteed
- Welding can be done at room temperature (based on CTS tests according to ISO 17642-2:2005)
- Optimal combination of strength and toughness in welded area and heat affected zone

See Strenx® 1100 Plus at Bauma Munich 2019

[Strenx® 1100 Plus](#) is making its official debut in April 2019 at Bauma Munich, the must-attend event for the construction and mining industries.

“We’re thrilled to be introducing Strenx 1100 Plus at Bauma,” says Magnus Carlsson, Strenx® product manager at SSAB. “We believe this product simply can’t be beat on the market today for any high-performance applications that can benefit from matching strength in the welds. We look forward to continuing to serve markets that quickly develop in advanced designs and technology and to apply SSAB’s innovations in steel technology to the challenges facing the lifting and transportation sectors.”

Come and meet SSAB at Hall A6, Stand 439 on April 8-14 to experience the beauty of Strenx® performance steel. Visitors will be able to view product samples, discuss the results of our tests and analyses, get advice on upgrading, discover the benefits of innovations in high-strength steel technology and more.

For further information, please contact:

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SSAB is a Nordic and US-based steel company. SSAB offers value added products and services developed in close cooperation with its customers to create a stronger, lighter and more sustainable world. SSAB has employees in over 50 countries. SSAB has production facilities in Sweden, Finland and the US. SSAB is listed on Nasdaq Stockholm and has a secondary listing on Nasdaq Helsinki. www.ssab.com. Join us also on social media: [Facebook](#), [Instagram](#), [LinkedIn](#), [Twitter](#) and [YouTube](#).