

SSAB Form Tube Plus – new precision steel tubes with superior properties

SSAB Form Tube Plus is a completely new family of precision steel tubes that provides a unique combination of bendability, dimensional accuracy and superior surface quality suitable for high-gloss painting and chrome plating. The tubes can be used for example in furniture manufacturing and demanding light engineering applications. The tubes are protected with thin plates to help to prevent transportation and handling damage, thus providing a scratch-free surface for the user.

The biggest benefit of SSAB Form Tube Plus tubes is in applications where tight fitting and very high surface quality are required, as in furniture manufacture. Also automated manufacturing and bending operations benefit when choosing SSAB Form Tube Plus.

“Dimensional accuracy ensures cost-effective automatic manufacturing and telescoping solutions. In some cases it could even substitute cold drawn tubes. Furthermore, chrome plating and high quality painting can be directly applied to the surface. And this comes together with bendability and formability. The product is unique due to the fact that all three characteristics are offered in one product,” explains Product Manager **Anders Klang** at SSAB Europe.

“For the customer, use of the new product means optimization and more cost-efficient manufacturing in processes requiring high surface quality, bendability and dimensional accuracy. With the new product, there is no need for grinding before painting, etc. and neither is a thick coating required. Also there is less scrap,” continues Anders Klang.

SSAB Form Tube Plus comes in two steel grades, E220 and E420, the number stands for yield strength. By choosing high-strength SSAB Form Tube Plus 420 significant weight savings can be achieved without compromising the usability of the tube. The products meet, and in many ways exceed, all the requirements of EN 10305-3/5. They are always delivered with a cold-rolled (S3) surface and +CR2 delivery condition.

Customer’s benefit and business value:

- Cost-efficient manufacturing process
- Better surface quality
- Larger design features

SSAB Form Tube 220 Plus provides superior bendability and formability, thus enabling the use of very small bending radius. Guaranteed elongation 28% instead of 23% given in EN 10305.

SSAB Form Tube 420 Plus provides a combination of high strength and formability enabling weight savings without compromising the usability. Guaranteed elongation 14% instead of 12% given in EN 10305.

The new product family will be rolled out at The Subcontracting Trade Fair (Alihankinta) in September in Finland and after that gradually in other countries.

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.

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