

STRENX™
PERFORMANCE STEEL

STRENX™ HOLLOW SECTIONS

Think thinner, get stronger



Why settle for anything less than world-class steel to make world-class steel tube? Strenx™ high-strength hollow sections are made of a high-strength steel grade with improved properties, such as excellent weldability, dimensional accuracy and surface quality.

Strenx™, we work with customers to make their business run smoother, faster and more energy-efficient. Supported by our local service, strong commitment and accurate deliveries, you can demand more from your high-strength hollow sections.

SSAB

High-strength hollow sections for weight reduction

The benefits of Strenx™ high-strength hollow sections are evident in applications where reduced weight increases payload capacity. By using high-strength Strenx™ Tube 700 MLH and Strenx™ Tube 900 MH hollow sections, up to 40 percent weight reduction when we compare to S355 hollow section can be achieved. Additionally, fuel consumption and the overall environmental impact will decrease. Strenx™ hollow sections enable you to manufacture better products for your customers.

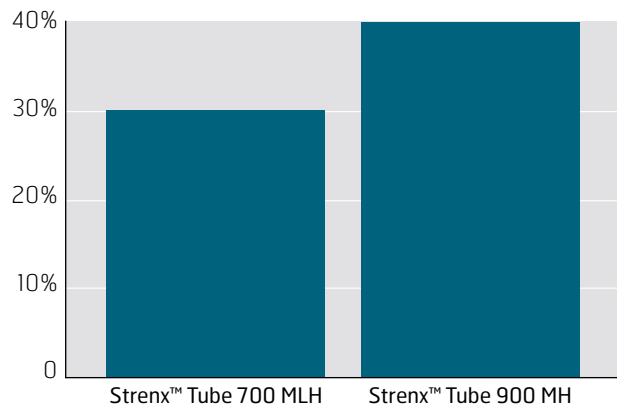
High-strength in all forms

Strenx™ hollow sections have the widest selection of products in the market and include circular, square and rectangular shapes. Also customized shapes can be manufactured on request.

Unbeatable properties of Strenx™ hollow sections

Strenx™ high-strength hollow sections are ranging from 700 MPa to 900 MPa yield strengths but we can also offer standards grades in hollow sections. The chemical composition has been developed by SSAB for excellent weldability using all normal welding methods. The manufacturing method (cold forming) makes the dimensional accuracy and surface quality of hollow sections unbeatable. In addition, low temperature testing ensures high safety in demanding conditions.

Weight reduction compared to S355



Applications for Strenx™ Tube hollow sections

- Trucks, trailers and other transportation equipment
- Agriculture machines
- Lattice cranes and mobile crane booms
- Steel construction
- Mining equipment

Strenx™ Tube Properties				
Name	Yield strength $R_{p0.2}$, min [MPa]	Elongation A_5 , min %	CET/CEV _{Typical}	Impact toughness [J] at -50°C
Strenx™ Tube 700 MLH	700	10	0.24/0.38	27
Strenx™ Tube 900 MH	900	7	0.25/0.50	40*

*40 [J] at -20° C

Strenx™ Tube Dimensional range			
Name	Shape	External dimensions [mm]	Wall thickness [mm]
Strenx™ Tube 700 MLH	Circular	33.7 - 323.9	2.0 - 10.0
	Square	30 x 30 - 300 x 300	2.0 - 10.0
	Rectangular	50 x 30 - 400 x 200	2.0 - 10.0
Strenx™ Tube 900 MH	Circular	114.3 - 244.5	4.0 - 6.0
	Square	100x100 - 200x200	4.0 - 6.0
	Rectangular	120x80 - 250x150	4.0 - 6.0

Strenx properties are covered by Strenx guarantees. For information about individual grades, please refer to the documentation available at ssab.com or from your SSAB sales contact. SSAB reserves the right to change specifications without prior notice. The tables are for reference only. The product data sheet assigned to a specific product holds all valid and guaranteed properties.

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