

# S650MC — EN 10149-2 (2013) - Technical Data sheet

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## 1. Chemical & Mechanical Properties

C (%)	Mn (%)	Si (%)	P (%)	S (%)	Yield (MPa)	UTS (MPa)	Elong (%)
0.12	2.00	0.60	0.025	0.015	≥650	700-880	10 / 12

## 2. Equivalent / Alternative Grades

Grade	Standard	YS	UTS	C max (%)
<b>Strenx 700MC</b>	SSAB	700	950	0.12
<b>ASTM A1018 HSLAS-F Grade 70</b>	ASTM A1018	485	595	0.20

## 3. Common Applications

- Heavy crane booms
- Bridge sections
- High-strength machine frames

## 4. Standard Conformance

EN 10149-2 : 2013 — High-strength, thermomechanically rolled steels for cold forming

## 5. Disclaimer

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