



Declaration of Performance
(according Regulation EU No 305/2011)

No. Strip S235JR 002

Strip/CTL S235JR / 1.0038 according to EN 10025-2

Produced by SSAB manufacturing plant Borlänge
To be used in-welded, bolted and riveted structures

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System of assessment and verification of constancy of performance of the product
System 2+

Notified factory production control certification body No. 0045 performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment, and evaluation of factory production control and issued the certificate of conformity of the factory production control.

Charlotta Jansson

2017-09-01
Quality Manager

Essential characteristics		Performance			Harmonised technical specification
Tolerances on dimensions and shape (EN 10051)	Nominal thickness (t)		Nominal width (w)		
			w≤1200	1200<w≤1500	1500<w≤1600
	mm	t ≤ 2.00	± 0.17	± 0.19	± 0.21
	mm	2.00 <t≤ 2.50	± 0.18	± 0.21	± 0.23
	mm	2.5 0<t≤ 3.00	± 0.20	± 0.22	± 0.24
	mm	3.00 <t≤ 4.00	± 0.22	± 0.24	± 0.26
	mm	4.00 <t≤ 5.00	± 0.24	± 0.26	± 0.28
	mm	5.00 <t≤ 6.00	± 0.26	± 0.28	± 0.29
	mm	6.00 <t≤ 8.00	± 0.29	± 0.30	± 0.31
	mm	8.00<t≤10.00	± 0.32	± 0.33	± 0.34
mm	10.00<t≤12.50	± 0.35	± 0.36	± 0.37	
mm	12.50<t≤15.00	± 0.37	± 0.38	± 0.40	
mm	15.00<t≤16.00	± 0.40	± 0.42	± 0.45	
Yield strength	min (MPa)		235		
Tensile strength	(MPa)		360 - 510		
Elongation	Nominal thickness (t)		min (%)		
	mm	1.8 ≤ t ≤ 2	17		
	mm	2 < t ≤ 2.5	18		
	mm	2.5 < t < 3	19		
mm	3 ≤ t ≤ 16	24			
Impact strength	min(J/°C)		27/20		
Weldability CEV	max (%)		0.35		
Durability					
C	max (%)		0.17		
Si	max (%)		NDP		
Mn	max (%)		1.40		
P	max (%)		0.035		
S	max (%)		0.035		
Cu	max (%)		0.55		

EN 10025-1:2004



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