



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

No. Strip S235JR 002

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

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.

  
Jessika Schelin

2014-11-01  
Quality Manager Sales, SSAB Europe

Essential characteristics		Performance			Harmonised technical specification	
Tolerances on dimensions and shape (EN 10051)	Nominal thickness (t)		Nominal width (w)			EN 10025-1:2004
	mm	t ≤ 2.00	w ≤ 1200	1200 < w ≤ 1500	1500 < w ≤ 1600	
	mm	2.00 < t ≤ 2.50	± 0.17	± 0.19	± 0.21	
	mm	2.50 < t ≤ 3.00	± 0.18	± 0.21	± 0.23	
	mm	3.00 < t ≤ 4.00	± 0.20	± 0.22	± 0.24	
	mm	4.00 < t ≤ 5.00	± 0.22	± 0.24	± 0.26	
	mm	5.00 < t ≤ 6.00	± 0.24	± 0.26	± 0.28	
	mm	6.00 < t ≤ 8.00	± 0.26	± 0.28	± 0.29	
	mm	8.00 < t ≤ 10.00	± 0.29	± 0.30	± 0.31	
	mm	10.00 < t ≤ 12.50	± 0.32	± 0.33	± 0.34	
mm	12.50 < t ≤ 15.00	± 0.35	± 0.36	± 0.37		
mm	15.00 < t ≤ 16.00	± 0.37	± 0.38	± 0.40		
mm		± 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			



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