



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

No. Plate S690QL 005

Plate S690QL / 1.8928 according to EN 10025-6

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.

Elisabeth Abrahamsson

2014-10-22

Quality Manager, Special steel

Essential characteristics			Performance		Harmonised technical specification
Tolerances on dimensions and shape (EN 10029)	Nominal thickness (t)		Lower	Upper	
	mm	3 ≤ t < 5	-0.3	+0.7	
	mm	5 ≤ t < 8	-0.4	+0.8	
	mm	8 ≤ t < 15	-0.5	+0.9	
	mm	15 ≤ t < 25	-0.6	+1.0	
	mm	25 ≤ t < 40	-0.7	+1.3	
	mm	40 ≤ t < 50	-0.9	+1.7	
Yield strength	Nominal thickness (t)		min (Mpa)		
	mm	≤ 50	690		
	mm	50 < t ≤ 100	650		
	mm	100 < t ≤ 150	630		
Tensile strength	Nominal thickness (t)		(Mpa)		
	mm	≤ 50	770 - 940		
	mm	50 < t ≤ 100	760 - 930		
	mm	100 < t ≤ 150	710 - 900		
Elongation	min (%)		14		
Impact strength	min (J/°C)		30/40		
Weldability CEV	Nominal thickness (t)		max (%)		
	mm	≤ 50	0.65		
	mm	50 < t ≤ 100	0.77		
	mm	100 < t ≤ 150	0.83		
Durability					
	C	max (%)	0.20		
	Si	max (%)	0.80		
	Mn	max (%)	1.70		
	P	max (%)	0.020		
	S	max (%)	0.010		
	Cu	max (%)	0.50		



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