

Declaration of Performance
(according to regulation EU No 305/2011)

No. LPE Plate S460N

Plate S460N / 1.8901 according EN 10025-3

To be used in-welded, bolted and riveted structures

Tata Steel UK Limited
Long Products Europe
PO Box 1, Brigg Road
Scunthorpe, DN16 1BP
Tel: +44 (0)1724 404040
Website : www.tatasteeleurope.com

CE Marking Notified Body
Lloyds Register Verification Limited
71 Fenchurch Street, London, EC3M 4BS
Tel :+44 (0)207 423 2428
Email : ecdirectives@lr.org
Website : www.lr.org

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

Notified factory production control certification body No. 0038
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



Jon Bolton – Director, Long Products Europe
Tata Steel UK Limited

1st July 2013
Date

Essential characteristic	Performance		Harmonised technical specification		
	Tolerances on dimensions and shape	Thickness	EN 10029		EN10025-1 2004
Yield strength (transverse)	Flatness	EN 10029			
	Nominal thickness (mm)	Values Min (Mpa)			
	>	<=			
	-	16	460		
	16	40	440		
	40	63	430		
	63	80	410		
	80	100	400		
Tensile strength (transverse)	100	150	380		
	>	<=	min	max	
	5	100	540	720	
Elongation (transverse)	100	150	530	710	
	Nominal thickness (mm)	Values min (% , 5.65√so)			
	>	<=			
	5	40	17		
	40	63	17		
	63	80	17		
Impact strength (longitudinal)	80	150	17		
			40J at - 20°C		
Weldability CEV	Nominal thickness (mm)	Values max (%)			
	>	<=			
	-	63	0.53		
	63	100	0.54		
	100	150	0.55		
Durability	Nominal thickness (mm)	Values max (%)			
	-	150	C:0,22 Si: 0,65 Mn: 0,95 - 1,80 P: 0,035 S: 0,030 Nb: 0,060 V: 0,22 Al: 0,015 Ti: 0,060 Cr: 0,35 Ni: 0,85 Mo: 0,13 Cu: 0,60 N: 0,027		



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LPE Plate S460N

EN 10025-1 – 2004

Plate S460N / 1.8901

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Tolerances on dimensions : Plate EN10029

Elongation :
Tensile Strength :
Yield Strength :
Impact Strength :
Weldability :
Durability :

EN10025-3

Dangerous Substances : No Performance Determined