

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

No. LPE Section S275JR

Section S275JR / 1.0044 according 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. 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	I & H Sections Equal Flange Tee Equal Angle Unequal Angle Tapered Flange I Bulb Flats	EN 10034 EN 10055 EN 10056-1 EN10056-2 EN 10024 EN 10067	EN10025-1 2004			
Yield strength (transverse)	Nominal thickness (mm)	Values Min (MPa)				
	>	<=				
	-	16			275	
	16	40			265	
	40	63			255	
	63	80			245	
	80	100			235	
100	150	225				
Tensile strength (transverse)	Nominal thickness (mm)	Values (MPa)			min	max
	>	<=				
	5	100	410	560		
	100	150	400	540		
Elongation (transverse)	Nominal thickness (mm)	Values min (%; 5.65\so)				
	>	<=				
	5	40	21			
	40	63	20			
	63	100	19			
100	150	19				
Impact strength (longitudinal)	JR	27J at + 20°C				
Weldability CEV	Nominal thickness (mm)	Values max (%)				
	>	<=				
	-	40	0.40			
40	150	0.42				
Durability	Nominal thickness (mm)	Values max (%)				
	-	<=40	C:0,21 Mn: 1,50 P: 0,035 S: 0,035 N: 0,012 Cu: 0,55			
	>40	150	C:0,20 Mn: 1,40 P: 0,035 S: 0,035 N: 0,012 Cu: 0,55			



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LPE Section S275JR

EN 10025-1 – 2004

Section S275JR / 1.0044

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Elongation :
Tensile Strength :
Yield Strength : EN10025-2
Impact Strength :
Weldability :
Durability :

Dangerous Substances : No Performance Determined