

## Declaration of Performance

(according to Regulation EU No 305/2011)

Ref. TST-LCHS-HF355-J2H

**Hot finished circular hollow sections  
In submerged arc welded tube  $\geq 406.4$ mm OD  
produced from non-alloy steel  
Grade S355J2H / 1.0576 according EN 10210-1**

For use in structural fabrications in accordance with EN 1090,  
when supplied with 3.1 certification to EN 10204 containing  
product identification details.

Tata Steel UK Limited  
Tubes Europe  
PO Box 101, Weldon Road  
Corby, NN17 5UA  
Tel: +44 (0)1536 402121  
Website : www.tatasteeleurope.com

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

Notified factory production control certification body No. 0120  
performed the initial inspection of the manufacturing plant and of  
factory production control and the continuous surveillance,  
assessment and issued the certificate of conformity of the factory  
production control

Notified Body:

**SGS United Kingdom Limited**  
Unit 202B, Worle Parkway,  
Weston-super-Mare, Somerset, BS22 6WA  
Country : United Kingdom  
Phone : +44 (0)1934 522917  
Email : sgsprodcert@sgs.com  
Website : www.uk.sgs.com



Remco Blaauw – Director Operations, Tubes Europe  
Tata Steel UK Limited

Date 22-8-2013



Essential characteristic	Performance			Harmonised technical specification
	Performance		Values	
Tolerances on dimensions and shape	Round, square, rectangular and elliptical hollow sections		In accordance with EN 10210-2: 2006	EN10210-1 2006
Yield strength	Nominal thickness (mm)		Values min (MPa)	
	>	<=		
	-	16	355	
	16	40	345	
Tensile strength	Nominal thickness (mm)		Values (MPa)	
	>	<=	min   max	
	-	3	510   680	
	3	100	470   630	
Elongation	Nominal thickness (mm)		Values min (%)	
	>	<=	long.   trans	
	-	40	22   20	
	40	63	21   19	
Impact strength (longitudinal)	Grade	Nom. Thk. (mm)	Impact Value (J) at Test Temp (°C)	
	J2H	<=120	27J at -20°C	
Weldability (CEV)	Nominal thickness (mm)		Values max (%)	
	>	<=		
	-	16	0.45	
	16	40	0.47	
Durability	Nominal thickness (mm)		Composition (cast) (max. unless otherwise shown)	
	<=40	C: 0.22 Si: 0.55 Mn: 1.60 P: 0.030 S: 0.030		
		FF deoxidation*		
		Durability is also dependent on any method of protection subsequently applied and the type and thickness of the coating		

Notes: \*FF – Fully killed steel containing nitrogen binding elements



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EN 10210-1: 2006

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Information on regulated characteristics in accordance with  
EN10210 for:

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

Dangerous Substances : No Performance Determined