

Declaration of Performance

(according to Regulation EU No 305/2011)

Ref. TST-LCHS-CF355-J2H

**Cold formed circular hollow sections
In submerged arc welded tube $\geq 406.4\text{mm OD}$
produced from non-alloy steel
Grade S355J2H / 1.0576 according EN 10219-1**

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



Essential characteristic	Performance			Harmonised technical specification	
	Round, square, rectangular and elliptical hollow sections		In accordance with EN 10219-2: 2006		
Tolerances on dimensions and shape	Nominal thickness (mm)		Values min (MPa)	EN10219-1 2006	
	>	<=			
Yield strength	-	16	355		
	16	40	345		
Tensile strength	Nominal thickness (mm)		Values (MPa)		
	>=	<			min
	-	3	510		680
	3	40	470		630
Elongation	Nominal thickness (mm)		Values min (%)		
	>	<=			long.
Impact strength (longitudinal)	Grade	Nom. Thk. (mm)	Impact Value (J) at Test Temp (°C)		
	J2H	<=40		27J at -20°C	
Weldability (CEV)	Nominal thickness (mm)		Values max (%)		
	>	<=			
Durability	-	40	0.45		
	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			
	Durability is also dependent on any method of protection subsequently applied and the type and thickness of the coating		FF deoxidation*		

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



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EN 10219-1: 2006

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Information on regulated characteristics in accordance with
EN10219 for:

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

Dangerous Substances : No Performance Determined