

# TATA STEEL



## 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




Ramoo Blaruw – Director Operations, Tubes Europe  
 Tata Steel UK Limited

Date 22-8-2013

Essential characteristics	Performance	Harmonised technical specifications
Tolerances on dimensions and shape	Round, square, rectangular and elliptical hollow sections In accordance with EN 10219-2: 2006	EN10219-1:2006
Yield strength	Nominal thickness (mm) > 16 ≤ 16 Values min (MPa) 345 max 355	
Tensile strength	Nominal thickness (mm) >= 40 < 40 Values min (MPa) 510 max 570 Nominal thickness (mm) 3 470 40 630 Values min (%) max	
Elongation	> 40 ≤ 40 Values min (%) max 20 (18 for D/T < 15) long.	
Impact strength (longitudinal)	Grade J2H Nom. TTK. (J) at Test Temp (°C) Impact Value (J) at Test Temp (°C) ZT1 at -20°C	
Weldability (CEV)	Nominal thickness (mm) > 40 ≤ 40 Values max (%) 0.45	
Durability	Nominal thickness (mm) <=40 Composition (cast) (max. unless otherwise shown) C: 0.22 Si: 0.55 Mn: 1.60 P: 0.030 S: 0.030 FF deoxidation*	

Notes: \*FF – Fully killed steel containing nitrogen binding elements  
 Durability is also dependent on any method of protection subsequently applied and the type and thickness of the coating



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13

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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