

# TATA STEEL



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

Ref: TST-Hybox355-J2H

**Cold formed structural hollow sections  
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  
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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 issued the certificate of conformity of the factory  
production control

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

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

Date 22-8-2013

Essential characteristic	Performance	Harmonised technical specification
Tolerances on dimensions and shape	Round, square, rectangular and elliptical hollow sections	In accordance with EN 10219-2:2006
	Nominal thickness (mm)	
Yield strength	Values min (MPa)	EN 10219-1 2006
	Values max (MPa)	
Tensile strength	Nominal thickness (mm)	EN 10219-1 2006
	Values min (MPa)	
	Values max (MPa)	
	Nominal thickness (mm)	
Elongation	Values min (%)	EN 10219-1 2006
	Values max (%)	
Impact strength (longitudinal)	Grade	EN 10219-1 2006
	Nom. Tpk (mm)	
Weldability (CEV)	Values max (%)	EN 10219-1 2006
	Values min (%)	
Durability	Composition (cast) (max. unless otherwise shown)	EN 10219-1 2006
	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

C: 0.22  
Si: 0.55  
Mn: 1.60  
P: 0.030  
S: 0.030

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EN 10219-1: 2006

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Information on regulated characteristics in accordance with  
EN 10219 for:

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

Dangerous Substances : No Performance Determined