

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.

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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

Notified Body
Lloyds Register Verification Limited
71 Fenchurch Street, London, EC3M 4BS
Tel : +44 (0)207 423 2428
Email : ecdirectives@lr.org
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4-7-2013

Date

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

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	EN10219-1 2006	
Yield strength	Nominal thickness (mm)		Values min (MPa)
	> -		355
Tensile strength	Nominal thickness (mm)		Values (MPa)
	> -		min max
	3 -		510 680
	16 -		470 630
Elongation	Nominal thickness (mm)		Values min (%)
	> -		long. 20
Impact strength (longitudinal)	Grade		Impact Value (J) at Test Temp (°C)
	J2H	27J at -20°C	
Weldability (CEV)	Nominal thickness (mm)	Values max (%)	
	> -	0.45	
Durability	Nominal thickness (mm)	Composition (cast) (max. unless otherwise shown)	
	<=16	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

 0038	<p>Tata Steel Tubes Europe PO Box 101, Weldon Road Corby, NN17 5UA, UK</p> <p>13</p> <p>Ref. TST-Hybox355-J2H</p> <p>EN 10219-1: 2006</p> <p>Cold formed structural hollow sections produced from non-alloy steel Grade S355J2H / 1.0576 according EN 10219-1</p> <p>For use in structural fabrications in accordance with EN 1090, when supplied with 3.1 certification to EN 10204 containing product identification details.</p> <p>Information on regulated characteristics in accordance with EN10219 for:</p> <p>Elongation : Tensile Strength : Yield Strength : Impact Strength : Weldability : Durability :</p> <p>Dangerous Substances : No Performance Determined</p>
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