

Declaration of Performance

(according to Regulation EU No 305/2011)

Ref. TST-Celsius355-J2H

**Hot finished structural hollow sections
produced from non-alloy steel
Grade S355J2H / 1.0576 according EN 10210-1**

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

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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 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
Website : www.lr.org



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

Date 27-6-2013

Essential characteristic	Performance		Harmonised technical specification	
Tolerances on dimensions and shape	Round, square, rectangular and elliptical hollow sections		In accordance with EN 10210-2: 2006	
Yield strength	Nominal thickness (mm)		Values min (MPa)	
	>	<=		
	-	16	355	
Tensile strength	Nominal thickness (mm)		Values (MPa)	
	>	<=	min	max
	-	3	510	680
Elongation	Nominal thickness (mm)		Values min (%)	
	>	<=	long.	trans
	-	40	22	20
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	
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*	

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