

## Declaration of Performance

(according to Regulation EU No 305/2011)

Ref. TST-Strongbox235-JRH

**Cold formed hollow sections  
produced from non-alloy steel  
Grade S235JRH / 1.0039 according EN 10219-1**

Cold formed steel hollow sections for general use.  
Supplied with 2.2 certification to EN 10204

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. 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 : ecdirectives@lr.org  
Website : www.lr.org

Essential characteristic	Performance		Harmonised technical specification
	Performance		
Tolerances on dimensions and shape	Round, square, and rectangular hollow sections		EN10219-1 2006
Yield strength	In accordance with EN 10219-2: 2006		
	Nominal thickness (mm)	Values Min (MPa)	
Tensile strength	>	<=	
	-	16	
Elongation (longitudinal)	Nominal thickness (mm)		
	<=16		
Impact strength (longitudinal)	Nominal thickness (mm)		
	<=16		
Weldability (CEV)	Grade	Nom. Thk. (mm)	
	JRH	<=16	27J at +20°C
Durability	Nominal thickness (mm)		Values max (%)
	<=16		0.35
Durability	Nominal thickness (mm)		Composition (cast) max.
	<=16		C: 0.17 Mn: 1.40 P: 0.040 S: 0.040 N 0.009 FF deoxidation*
Durability is also dependent on any method of protection subsequently applied and the type and thickness of the coating			

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

