

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
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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
Tolerances on dimensions and shape	Round, square, and rectangular hollow sections		In accordance with EN 10219-2: 2006	EN10219-1 2006
Yield strength	Nominal thickness (mm)		Values Min (MPa)	
	>	<=		
	-	16	235	
Tensile strength	Nominal thickness (mm)		Values (MPa)	
	<=16		min max	
			360 510	
Elongation (longitudinal)	Nominal thickness (mm)		Values min (%)	
	<=16		22	
Impact strength (longitudinal)	Grade	Nom. Thk. (mm)	Impact Value (J) at Test Temp (°C)	
	JRH	<=16	27J at +20°C	
Weldability (CEV)	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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0038

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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