TATA STEEL

Declaration of Performance

(according to Regulation EU No 305/2011)

Unique ID code TST Strongbox235JRH [Grade S235JRH / 1.0039]

Harmonised standard EN 10219-1:2006 - Cold formed welded structural

hollow sections of non-alloy and fine grain steels -Part 1: Technical delivery conditions (issued on the

Official Journal of the European Union on

01/02/2007)

metal and concrete structures. This product is supplied with a non-specific inspection document 2.2 (according to EN 10204) that does not include the full length non-destructive testing of the weld (as defined in table 2 of EN 10219-1). This product is only suitable for intended uses for which the non-

specific inspection 2.2 is sufficient.

Manufacturer TATA STEEL UK LIMITED

Registered in England No. 2280000

Registered office: 18 Grosvenor Place, London,

SW1X 7HS, UK

Website: www.tatasteeleurope.com

Authorised

representative Simon Edwards – Technical Director (acting)

Tata Steel

Wenckebachstraat 1 Velsen Noord 1951 JZ NL

PO Box 10.000 ljmuiden 1970 CA NL

System of AVCP System of assessment and verification of constancy

of performance of the product System 2+ (FPC Certificate No: 2814/CPR/LRQ0840080/B)

Notified body No. 2814

LRQA Verification B.V. George Hintzenweg 77 3068 AX Rotterdam The Netherlands Table 1 – Essential characteristics and declared performances

Essential characteristic		Perfo	Harmonised technical specification		
Yield strength	Nominal thickness Values Min (MPa)			•	
	≤ 16		235		
Tensile strength	Nominal thickness (mm)		Values (MPa)		
	≤ 16		min 360	max 510	
Elongation (longitudinal)	Nominal thickness (mm)		Values min (%)		
			24 (22 or 17 where Table A.3 Note b applies)		
Impact strength (longitudinal)	Grade Nom. Thk. (mm)		Impact Value min. average (J) at Test Temp (°C)		
	JRH	<=16	27J at +20°C		EN 10219-1:2006
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 (a)		
	Durability is also dependent on any method of protection subsequently applied and the type and thickness of the coating				
Tolerances on dimensions and shape	and rec	square, tangular sections	In accordance with EN 10219-2:2006		







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UK

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TST Strongbox235JRH [Grade S235JRH / 1.0039]

EN 10219-1:2006

To be used in metal structures or in composite metal and concrete structures. This product is supplied with a non-specific inspection document 2.2 (according to EN 10204) that does not include the full length non-destructive testing of the weld (as defined in table 2 of EN 10219-1). This product is only suitable for intended uses for which the non-specific inspection 2.2 is sufficient.

Performance declared for the following essential characteristics:

Yield strength: 235 MPa Tensile strength: 360 – 510 MPa

Elongation: 24% (22% or 17% where Table A.3.b applies)

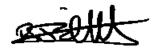
Impact strength: 27J at +20°C Weldability (CEV): 035%

Durability: See Declaration of Performance

Tolerances on dimensions and shape: In accordance with

EN 10219-2:2006

Dangerous Substances: No Performance Determined (NPD)



Richard Sidebottom
Director Mills, DSO & Technical

TATA STEEL

Declaration of Performance

(according to The Construction Products (Amendment etc.) (EU Exit) Regulations 2020 No 1359)

Unique ID code TST Strongbox235JRH [Grade S235JRH / 1.0039]

Designated standard EN 10219-1:2006 - Cold formed welded structural

hollow sections of non-alloy and fine grain steels - Part 1: Technical delivery conditions (issued on the

Official Journal of the European Union on

01/02/2007)

Intended use To be used in metal structures or in composite metal and concrete structures. This product is

metal and concrete structures. This product is supplied with a non-specific inspection document 2.2 (according to EN 10204) that does not include the full length non-destructive testing of the weld (as defined in table 2 of EN 10219-1). This product is only suitable for intended uses for which the non-

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System of AVCP System of assessment and verification of constancy

of performance of the product System 2+ (FPC Certificate No: 0038/CPR/LRQ0840080/B)

Approved body Approved body No. 0038

LRQA Verification Limited 1 Trinity Park, Bickenhill Birmingham, B37 7ES

UK



Essential characteristic		Perfo	Harmonised technical specification		
Yield strength				ues MPa)	
	≤ 16		235		
Tensile strength	Nominal thickness (mm)		Values (MPa)		
	≤ 16		min 360	max 510	
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			FF deoxidation (a)		
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EN 10219-1:2006

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Elongation: 24% (20% or 17% where Table A.3.b applies)

Impact strength: 27J at +20°C Weldability (CEV): 0.35%

Durability: See Declaration of Performance

Tolerances on dimensions and shape: In accordance with

EN 10219-2:2006

Dangerous Substances: No Performance Determined (NPD)

