

Declaration of Performance (according to Regulation EU No 305/2011)

Unique ID code TST CDC235JRH [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)

Intended use 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.

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 Mark Derys – Quality Director
Tata Steel
Wenkebachstrat 1
Velsen Noord 1951 JZ NL
PO Box 10.000
Ijmuiden
1970 CA NL

System of AVCP System of assessment and verification of constancy of performance of the product
System 2+ (FPC Certificate No: 2814/CPRL/R00840080/B)

Notified body Notified body No. 2814
Lloyd's Register Verification B.V.
K.P. van der Mandelelaan 41A
Rotterdam
Netherlands

John Collingham
Director Operations, Tubes
Souvereinstraat 35, Oosterhout, 4903 RH
Netherlands

Date 12/07/2021

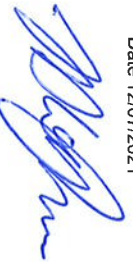



Table 1 – Essential characteristics and declared performances

Essential characteristic	Performance		Harmonised technical specification
	Nominal thickness (mm)	Values Min (MPa)	
Yield strength	≤ 16	235	EN 10219-1:2006
	Nominal thickness (mm)	Values (MPa)	
Tensile strength	≤ 16	min 360 max 510	EN 10219-1:2006
	Nominal thickness (mm)	Values min (%)	
Elongation (longitudinal)	≤ 16	24	EN 10219-1:2006
	Grade	Impact Value min, average (J) at Test Temp (°C)	
Impact strength (longitudinal)	JRH	27J at +20°C	EN 10219-1:2006
	Nominal thickness (mm)	Values max (%)	
Weldability (CEV)	≤ 16	0.35	EN 10219-1:2006
	Nominal thickness (mm)	Composition (cast) max.	
Durability	≤ 16	C: 0.17 Mn: 1.40 P: 0.040 S: 0.040 N 0.009	EN 10219-1:2006
		FF deoxidation (a)	
Tolerances on dimensions and shape		In accordance with EN 10219-2: 2006	

Notes: (a) FF – Fully killed steel containing nitrogen binding elements

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TATA STEEL UK LIMITED Registered in England No. 2280000 Registered office: 18 Grosvenor Place, London, SW1X 7HS, UK 21 TST InflowCDC235JRH [Grade S235JRH / 1.0039]

EN 10219-1:2006
<p>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.</p> <p>Performance declared for the following essential characteristics:</p> <p>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): 0.35%</p> <p>Durability: See Declaration of Performance</p> <p>Tolerances on dimensions and shape: In accordance with EN 10219-2: 2006</p> <p>Dangerous Substances: No Performance Determined (NPD)</p>

Declaration of Performance

(according to The Construction Products (Amendment etc.) (EU Exit) Regulations 2019 No 465)

Unique ID code: TST CDC235JRH [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 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.

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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/CPRL/RQ0840080/B)

Approved body: Approved body No. 0038
Lloyds Register Verification Ltd
71 Fenchurch Street, London
EC3M 4BS




John Collingham
Director Operations, Tubes
Souvereinstraat 35, Oosterhout, 4903 RH
Netherlands

Date 20/09/2021

Table 1 – Essential characteristics and declared performances

Essential characteristic	Performance		Harmonised technical specification
	Nominal thickness (mm)	Values Min (MPa)	
Yield strength	≤ 16	235	EN 10219-1:2006
	Nominal thickness (mm)	Values (MPa)	
Tensile strength	≤ 16	min 360 max 510	
	Nominal thickness (mm)	Values min (%) 24	
Elongation (longitudinal)	≤ 16	(22 or 17 where Table A.3 Note b applies)	
	Grade	Impact Value min. average (J) at Test Temp (°C)	
Impact strength (longitudinal)	JRH	27J at +20°C	
	Nominal thickness (mm)	Values max (%) 0.35	
Weldability (CEV)	≤ 16	Composition (cast) max.	
	Nominal thickness (mm)	C: 0.17 Mn: 1.40 P: 0.040 S: 0.040 N: 0.009	
Durability	≤ 16	FF deacidulation (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	Round, square, and rectangular hollow sections	In accordance with EN 10219-2: 2006	

Notes: (a) FF – Fully killed steel containing nitrogen binding elements

 0038	TATA STEEL UK LIMITED Registered in England No. 2280000 Registered office: 18 Grosvenor Place, London, SW1X 7HS, UK 21
TST InflowCDC235JRH [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: Tensile strength: 360 – 510 MPa Yield strength: 235 MPa Elongation: 24% (22% 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)	