TATA STEEL

Declaration of Performance

(according to Regulation EU No 305/2011)

Unique ID code TSNT 235JRH [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 NEDERLAND TUBES BV

Registered in Netherlands No. 20022812

Registered office: Souvereinstraat 35, Oosterhout,

4903 RH, Netherlands

Website: www.tatasteeleurope.com

System of AVCP System of assessment and verification of constancy

of performance of the product System 2+ (FPC Certificate No: 2814/CPR/RQA2007001/A)

Notified body No. 0343

LRQA Nederland B.V. George Hintzenweg 77 3068 AX Rotterdam Netherlands Table 1 - Essential characteristics and declared performances

Essential characteristic	Performance				Harmonised technical specification
Yield strength	Nominal thickness (mm)		Values Min (MPa)		
Tensile strength	≤ 16 Nominal thickness (mm)		235 Values (MPa)		
	≤ 16		min 360	max 510	
Elongation (longitudinal)	Nominal thickness (mm)		Values min (%)		
	≤ 16		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 red	square, tangular sections	In accordance with EN 10219-2:2006		
Notes: (a) FF – Fully killed steel containing nitrogen binding elements					





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EN 10219-1:2006

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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): 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)

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Jacob Gerkema Managing Director Tata Steel Nederland Tubes B.V. Souvereinstraat 35, Oosterhout, 4903 RH Netherlands Date 01/04/2024

TATA STEEL

Declaration of Performance

(according to The Construction Products (Amendment etc.) (EU Exit) Regulations SI 2020-1359)

Unique ID code TSNT 235JRH [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

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Manufacturer

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4903 RH, Netherlands

Website: www.tatasteeleurope.com

System of AVCP

System of assessment and verification of constancy of performance of the product System 2+ (FPC Certificate No: 0038/CPR/RQA20070001/A)

Date 01/04/2024

Approved body

Approved body No. 0038 LRQA Verification Ltd. 1 Trinity Park, Bickenhill Lane Solihull, West Midlands

Birmingham B37 7ES United Kingdom

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Jacob Gerkema Managing Director Tata Steel Nederland Tubes B.V. Souvereinstraat 35, Oosterhout, 4903 RH Netherlands

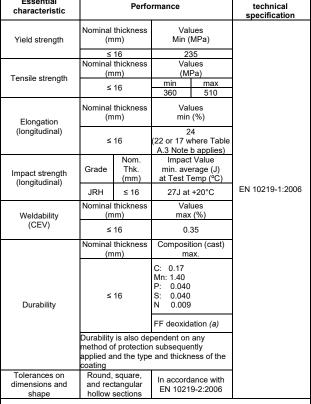


Table 1 – Essential characteristics and declared performances

Essential

Harmonised

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





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Netherlands

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EN 10219-1:2006

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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)