TATA STEEL

Declaration of Performance

(according to Regulation EU No 305/2011)

Unique ID code TSNT 275J0H [Grade S275J0H / 1.0149]

(with specific inspection)

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 specific inspection document 3.1 (according to EN 10204) that includes the full length non-destructive testing of the weld (as required in table 2 of EN 10219-1). This product is suitable for being used as constituent product of a steel structure according to EN 1090. Table 1 of EN 1090-2:2018 requires a 3.1 inspection document for

structural steel above S275.

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 Notified body No. 0343

LRQA Nederland B.V. George Hintzenweg 77 3068 AX Rotterdam

Netherlands

DocuSigned by:

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

Date 01/04/2024

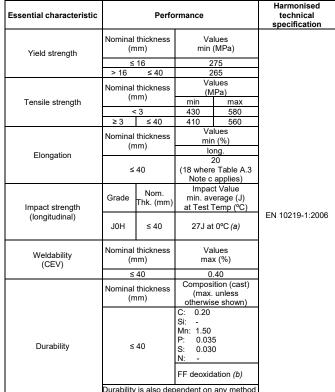
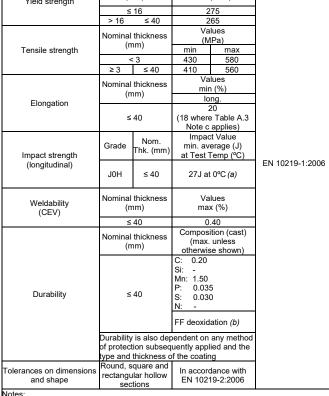


Table 1 – Essential characteristics and declared performances





(a) Value for 10 x 10mm specimen; 10 x 7.5mm specimen = 19J; 10 x 5mm specimen = 13.5J (b) FF – Fully killed steel containing nitrogen binding elements





TATA STEEL NEDERLAND TUBES BV Registered in Netherlands No. 20022812 Registered office: Souvereinstraat 35, Oosterhout, 4903 RH, Netherlands

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TSNT 275J0H [Grade S275J0H / 1.0149] (with specific inspection)

EN 10219-1:2006

To be used in metal structures or in composite metal and concrete structures. This product is supplied with a specific inspection document 3.1 (according to EN 10204) that includes the full length non-destructive testing of the weld (as required in table 2 of EN 10219-1). This product is suitable for being used as constituent product of a steel structure according to EN 1090. Table 1 of EN 1090-2:2018 requires a 3.1 inspection document for structural steel above S275.

Performance declared for the following essential characteristics:

Yield strength: 275 MPa (≤ 16 mm) Tensile strength: $410 - 560 (\ge 3 \text{ mm})$ **Elongation:** 20% (18% where Table A.3.c applies)

Impact strength: 27J at 0°C Weldability (CEV): 0.40%

Durability: See Declaration of Performance **Tolerances on dimensions and shape:** In accordance with

EN 10219-2:2006

Dangerous Substances: No Performance Determined (NPD)

TATA STEEL

Declaration of Performance

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

Unique ID code TSNT 275J0H [Grade S275J0H / 1.0149]

(with specific inspection)

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)

metal and concrete structures. This product is supplied with a specific inspection document 3.1 (according to EN 10204) that includes the full length non-destructive testing of the weld (as required in table 2 of EN 10219-1). This product is suitable for being used as constituent product of a steel structure according to EN 1090. Table 1 of EN

1090-2:2018 requires a 3.1 inspection document for structural steel above S275.

Manufacturer TATA STEEL NEDERLAND TUBES BV

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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/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

DocuSigned by:

Jacob Gerkema Managing Director Tata Steel Nederland Tubes B.V. Souvereinstraat 35, Oosterhout, 4903 RH Netherlands Table 1 – Essential characteristics and declared performances

Harmonicod

Essential characteristic	Performance				Harmonised technical specification
Yield strength	Nominal thickness (mm)		Values min (MPa)		
	≤ 16 > 16 ≤ 40		275 265		
Tensile strength	Nominal thickness (mm)		Values (MPa)		
			min max		
	< 3 ≥ 3 ≤ 40		430 410	580 560	
Elongation	Nominal thickness (mm)		Values min (%)		
			long.		
	≤ 40		20 (18 where Table A.3 Note c applies)		
Impact strength (longitudinal)	Grade	Nom. Thk. (mm)	Impact Value min. average (J) at Test Temp (°C)		EN 10219-1:2006
	J0H	≤ 40	27J at 0°C <i>(a)</i>		
Weldability (CEV)			Values max (%)		
. ,	≤ 40		0.40		
Durability	Nominal thickness (mm)		Composition (cast) (max. unless otherwise shown)		
	≤ 40		C: 0.20 Si: - Mn: 1.50 P: 0.035 S: 0.030 N: -		
			FF deoxidation (b)		
			endent on any method uently applied and the f the coating		
Tolerances on dimensions and shape	Round, square and rectangular hollow sections		In accordance with EN 10219-2:2006		

(a) Value for 10 x 10mm specimen; 10 x 7.5mm specimen = 19J; 10 x 5mm specimen = 13.5J (b) FF – Fully killed steel containing nitrogen binding elements





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Performance declared for the following essential characteristics:

Yield strength: 275 MPa (≤ 16 mm)
Tensile strength: 410 – 560 MPa (≥ 3 mm)
Elongation: 20% (18% where Table A.3.c applies)

Impact strength: 27J at 0°C
Weldability (CEV): 0.40%
Durability: See Declaration of Performance

Tolerances on dimensions and shape: In accordance with

EN 10219-2:2006

Dangerous Substances: No Performance Determined (NPD)