



Declaration of Performance

(according to Regulation EU No 305/2011)

Unique ID code	TSNT 275J0H [Grade S275J0H / 1.0149]
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.tatasteelnederland.com
System of AVCP	System of assessment and verification of constancy of performance of the product System 2+ (FPC Certificate No: 0343/CPR/RQA2007001/A)
Notified body	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	
	Nominal thickness (mm)	Values min (MPa)		
Yield strength	≤ 16	275	EN 10219-1:2006	
	> 16 ≤ 40	265		
Tensile strength	Nominal thickness (mm)	Values (MPa)		
		min		max
	< 3	430		580
	≥ 3 ≤ 40	410		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)	
	J0H	≤ 40	27J at 0°C (a)	
Weldability (CEV)	Nominal thickness (mm)	Values max (%)		
		0.40		
Durability	Nominal thickness (mm)	Composition (cast) (max. unless otherwise shown)		
		C: 0.20 Si: - Mn: 1.50 P: 0.035 S: 0.030 N: -		
	≤ 40	FF deoxidation (b)		
		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) 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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EN 10219-1:2006

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Performance declared for the following essential characteristics:

Yield strength: 275 MPa (≤ 16 mm)

Tensile strength: 410 – 560 (≥ 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)

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

Date 09/01/2025

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

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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)

Approved body Approved body No. 0038
LRQA Verification Ltd.
1 Trinity Park, Bickenhill Lane
Solithull, West Midlands
Birmingham
B37 7ES
United Kingdom

Table 1 – Essential characteristics and declared performances

Essential characteristic	Performance		Harmonised technical specification
	Nominal thickness (mm)	Values min (MPa)	
Yield strength	≤ 16	275	EN 10219-1:2006
	> 16 ≤ 40	265	
	Values (MPa)		
Tensile strength	Nominal thickness (mm)	min max	
	< 3	430 580	
	≥ 3 ≤ 40	410 560	
Elongation	Nominal thickness (mm)	Values min (%)	
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	≤ 40	20 (18 where Table A.3 Note c applies)	
Impact strength (longitudinal)	Grade	Impact Value min. average (J) at Test Temp (°C)	
	J0H	≤ 40 27J at 0°C (a)	
Weldability (CEV)	Nominal thickness (mm)	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)	
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:
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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)

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