TATA STEEL

Declaration of Performance

(according to Regulation EU No 305/2011)

Unique ID code TSNT 355J0H [Grade S355J0H / 1.0547]

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 defined 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.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		Perfo	technical specification		
Yield strength	Nominal thickness (mm)		Value min (MPa)		
	≤ 16		355		
Tensile strength	Nominal thickness (mm)		Values (MPa)		
			min	max	
	< 3		510	680 630	
Elongation	≥ 3 ≤ 16 Nominal thickness		470 630 Value min (%)		
	(mm)		long.		
	≤ 16		(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	≤ 16	27J at 0°C		
Weldability			Value max (%)		EN 10219-1:2006
(CEV)	≤ 16		0.45		
Durability	Nominal thickness (mm)		Composition (cast) (max. unless otherwise shown)		
	≤ 16		C: 0.22 Si: 0.55 Mn: 1.60 P: 0.035 S: 0.035		
			FF deoxidation (a)		
	Durability is also dependent on any method of protection subsequently applied to the hollow section and the type and thickness of the coating employed.				
Tolerances on dimensions and shape	Round, s rectangu	quare and lar hollow tions	In accordance with EN 10219-2:2006		





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EN 10219-1:2006

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Performance declared for the following essential characteristics:

Yield strength: 355 MPa Tensile strength: 470 – 630 MPa (≥ 3 mm) Elongation: 20% (18% where Table A.3.c applies)

Impact strength: 27J at 0°C
Weldability (CEV): 0.45%
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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TATA STEEL

Declaration of Performance

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

Unique ID code TSNT 355J0H [Grade S355J0H / 1.0547]

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 defined 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

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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)

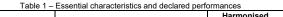
Approved body Approved body No. 0038

LRQA Verification Ltd.

1 Trinity Park, Bickenhill Lane

Solihull, West Midlands

Birmingham B37 7ES United Kingdom



Essential characteristic		Perfo	Harmonised technical specification		
	Nominal thickness		Value		
Yield strength	(mm)		min (MPa)		
	≤ 16		355		
Tensile strength	Nominal thickness (mm)		Values (MPa)		
			min	max	
	< 3		510	680	
	≥3 ≤16		470	630	
	Nominal thickness		Value min (%)		Í
	(m	(mm)		(70) ng.	
Elongation			2		
	<	≤ 16		-	
	_	10	(18 where Table A.3, Note c applies)		
Impact strength (longitudinal)		Nom.	Impact Value		
	Grade	Thk.	min. average (J)		
		(mm)	at Test T		
	JOH	≤ 16	27J at 0°C		
Weldability (CEV)	Nominal thickness		Value		EN 10219-1:2006
	(mm)		max (%)		
	≤ 16		0.45		
Durability	Nominal thickness (mm)		Composition (cast) (max. unless otherwise shown)		
	≤ 16		C: 0.22 Si: 0.55 Mn: 1.60 P: 0.035 S: 0.035		
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Tolerances on		quare and			
dimensions and shape		lar hollow tions	In accordance with EN 10219-2:2006		





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Jacob Gerkema

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