



Declaration of Performance

(according to Regulation EU No 305/2011)

Unique ID code TSNT 235JRH [Grade S235JRH / 1.0039]
(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

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 |
| | Tensile strength | | |
| Tensile strength | Nominal thickness (mm) | 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 | Impact Value min. average (J) at Test Temp (°C) | |
| | JRH | ≤ 16 27J at +20°C | |
| 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 | Round, square, and rectangular hollow sections | In accordance with EN 10219-2:2006 | |

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



0343

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

24

TSNT 235JRH [Grade S235JRH / 1.0039]
(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: 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)

DocuSigned by:

BBAC84320D6F4EC...

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

Date 01/04/2024



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] (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)

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: 0038/CPR/RQA20070001/A)

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

Table 1 – Essential characteristics and declared performances

| Essential characteristic | Performance | | Harmonised technical specification |
|------------------------------------|--|--|------------------------------------|
| Yield strength | Nominal thickness (mm) | Values Min (MPa) | EN 10219-1:2006 |
| | ≤ 16 | 235 | |
| Tensile strength | Nominal thickness (mm) | Values (MPa) | |
| | ≤ 16 | min | |
| | | max | |
| Elongation (longitudinal) | Nominal thickness (mm) | Values min (%) | |
| | ≤ 16 | 24 (22 or 17 where Table A.3 Note b applies) | |
| Impact strength (longitudinal) | Grade | Impact Value min. average (J) at Test Temp (°C) | |
| | JRH | ≤ 16 27J at +20°C | |
| 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) | |
| 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 NEDERLAND TUBES BV
Registered in Netherlands No. 20022812
Registered office: Souvereinstraat 35, Oosterhout, 4903 RH, Netherlands

24

TSNT 235JRH [Grade S235JRH / 1.0039] (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: 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)

DocuSigned by:

BBAC84320D6F4EC...

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

Date 01/04/2024