

DECLARATION OF PERFORMANCE

(According to regulation EU No 305/2011)

Hollow Section S235-JRH

**Cold formed hollow sections
produced from non-alloy steel
Grade S235JRH / 1.0039 according EN 10219-1**

Cold formed steel hollow sections for general use.
Supplied with 2.2 certification to EN 10204

Tomrods Limited

Hambleton Steel Works, York Road,
Thirsk, YO7 3BT.

Tel: +44 (0)1845 528200

Website: www.tomrods.co.uk

View DoP: www.tomrods.co.uk/standards/downloads

CE Marking Notified Body (No. 2773)

Steel Construction Certification Scheme
4 Whitehall Court, Westminster
London, SW1A 2ES

Tel: 020 7839 8566

Website: www.steelconstruction.org

System of assessment and verification of constancy of
performance of the product:
System 2+

Steel Construction Certificate Scheme has performed (i)
initial inspection of the manufacturing plant and factory
product control and (ii) continuous surveillance, assessment
and evaluation of factory production control and issued
Factory Production Control certificate 2773-CPR-0141.



| Essential Characteristic | Performance | | Harmonised Technical Specification | |
|--|---|-------------------------------------|------------------------------------|------------------------------------|
| Tolerance on dimensions and shape | Round, square and rectangular hollow sections | In accordance with EN 10219-2: 2006 | EN10219-1 2006 | |
| Yield strength | Nominal thickness (mm) | Values Min (MPa) | | |
| | > <= | 235 | | |
| Tensile strength | Nominal thickness (mm) | Values Min (MPa) | | |
| | <=16 | min max 360 510 | | |
| Elongation (longitudinal) | Nominal thickness (mm) | Values Min (%) | | |
| | <=16 | 22 | | |
| Impact strength (longitudinal) | Grade | Nom. Thk.(mm) | | Impact Value (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) | Values Max (%) | | |
| | | C: 0,18 | | |
| | | Mn: 1,50 | | |
| | | P: 0,030 | | |
| | | S: 0,030 | | |
| | | N: 0,012 | | |
| FF deoxidation* | | | | |
| Durability is also dependent on any method of protection subsequently applied and the type and thickness of the coatings | | | | |
| Note: *FF - Fully killed steel containing nitrogen binding elements | | | | |



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Elongation:
Tensile Strength:
Yield Strength: EN10219-1
Impact Strength:
Weldability:
Durability:
Dangerous Substances: No Performance Determined