

**DECLARATION OF PERFORMANCE**

(According to regulation EU No 305/2011)

Hollow Section S235-JRH

**Hot formed hollow sections  
produced from non-alloy steel  
Grade S235JRH / 1.0039 according EN 10210-1**

Hot 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. 2273)**

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 2273-CPR-0141.



Essential Characteristic	Performance		Harmonised Technical Specification	
Tolerance on dimensions and shape	Round, square and rectangular hollow sections	In accordance with EN 10210-1: 2006	EN10210-1 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 (%)		
	<=40	26		
Impact strength (longitudinal)	Grade	Nom. Thk.(mm)		Impact Value (J) at Test Temp (°C)
	JRH	<=120		27J at + 20°C
Weldability CEV	Nominal thickness (mm)	Values Max (%)		
	<=16	0.37		
Durability	Nominal thickness (mm)	Values Max (%)		
	<=16	C:	0,17	
		Mn:	1,40	
		P:	0,035	
		S:	0,035	
		N:	0,012	
		Cu:	0,55	
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: EN10210-1  
Impact Strength:  
Weldability:  
Durability:  
Dangerous Substances: No Performance Determined