

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

**Head Office: ParkerSteel Limited
Vauxhall Road, Canterbury
Kent CT1 1HD**

Tel: 01227 783333

Website: www.parkersteel.co.uk

View DOP: www.parkersteel.co.uk/dop

UKCA Marking Notified Body (No. 2273)

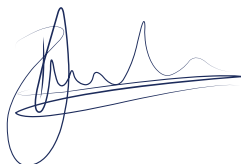
Steel Construction Certification Scheme
4 Whitehall Court, Westminster
London, SW1A 2ES

Tel: 020 7839 8566

Website: www.steelconstruction.org

System of assesment 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-0025 and Welding Certificate 2273-CPR-0025-WC.



Dylan Alexander
Managing Director
ParkerSteel Limited

Date:
December 2023

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 (%)		
		C: 0,17		
	<=16	Mn: 1,40		
		P: 0,045		
		S: 0,045		
		N: 0,009		
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