

### DECLARATION OF PERFORMANCE

(according to regulation EU No 305/2011)

Hollow Section S355-J2H

**Cold formed hollow sections  
produced from non-alloy steel  
Grade S355J2H / 1.0576 according EN 10219-1**

For use in structural fabrications in accordance with EN 1090  
when supplied with 3.1 certification to EN 10204 containing  
product identification details

**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

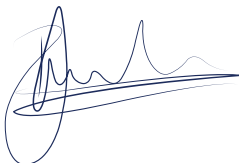
London, SW1A 2ES

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) intial  
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

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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)	
	>   <=		
Tensile strength	-   16	355	
	Nominal thickness (mm)	Values Min (MPa)	
	>   <=	min   max	
Elongation	-   3	510   680	
	3   16	470   630	
	Nominal thickness (mm)	Values Min (%)	
Impact strength (longitudinal)	>   <=	Long	
		20 (18 where Table A.3 Note c applies)	
Weldability CEV	Grade	Nom. Thk.(mm)	Impact Value (J) at Test Temp (°C)
	J2H	<=16	27J at + 20°C
Durability	Nominal thickness (mm)	Values Max (%)	
	>   <=		
Durability	-   16	0.45	
	<=16	C: 0,22	
		Si: 0,55	
		Mn: 1,60	
		P: 0,030	
		S: 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