ParkerSteel

www.parkersteel.co.uk

DECLARATION OF PERFORMANCE

(according to regulation EU No 305/2011)

Section/Bars S355J2

Sections/Bars S355J2 / 1.0577 according EN 10025-2

To be used in-welded, bolted and riveted structures

John Parker & Son Limited
Vauxhall Road, Canterbury
Kent, CT1 1HD

Tel: 01227 783333
Website: www.parkersteel.co.uk
View DOP: www.parkersteel.co.uk/dop

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

Steel Construction Certficate 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.

Guy Parker
Managing Director
John Parker & Son Ltd - T/A ParkerSteel

Date:
9th April 2014

Essential Characteristic	Performance				Harmonised Technical Specification
Tolerance on dimensions and shape	Angles		EN10056-2		EN10025-1 2004
	I and H sections		EN 10034		
	Tapered Flange I		EN 10024		
	UPE, UPN		EN 10279		
	Flat / Square / Round /T bars		EN 10058 / EN 10059 EN 10060 / EN 10055		
Yield strength	Nominal thickness (mm)		Values Min (MPa)		
	>	≤			
	-	16	355		
	16	40	345		
	40	63	335		
	63	80	325		
	80	100	315		
	100	140	295		
Tensile strength	Nominal thickness (mm)		Values Min (MPa)		
	>	≤	min	max	
	=3	100	470	630	
	100	140	450	600	
Elongation	Nominal thickness (mm)		Values Min (%)		
	>	≤			
	=3	40	22		
	40	63	21		
	63	100	20		
	100	140	18		
Impact strength	Nominal thickness (mm)		Values (J)		
	>	≤	min		
		140	27J @ -20°C		
Weldability	Nominal thickness (mm)		Values Max (%)		
	>	≤			
	-	30	0,45		
	30	40	0,47		
	40	140	0,47		
Durability	Nominal thickness (mm)		Values Max (%)		
	>	≤	C*:	0,20	
		140	Si:	0,55	
			Mn:	1,60	
			P:	0,030	
			S:	0,030	
			Cu:	0,55	
	*For nominal thickness >100mm: C content upon agreement				
	Fully killed steel containing nitrogen binding element in amounts sufficient to bind the available nitrogen (for example min. 0,02% Al)				

CE

2273

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Sections/Bars S355J2

EN 10025-1 - 2004
Sections/Bars S355J2 / 1.0577

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Elongation:	
Tensile Strength:	
Yield Strength:	EN10025-2
Impact Strength:	
Weldability:	
Durability:	
Dangerous Substances:	No Performance Determined