

**DECLARATION OF PERFORMANCE**

(according to regulation EU No 305/2011)

Section/Bars S355JR

**Sections/Bars S355JR / 1.0045 according EN 10025-2**

To be used in-welded, bolted and riveted structures

**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

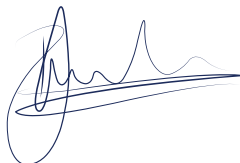
London, SW1A 2ES

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



**Dylan Alexander**  
Managing Director  
ParkerSteel Limited

December 2022

Essential Characteristic	Performance		Harmonised Technical Specification	
Tolerance on dimensions and shape	Angles		EN10056-2	
	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	
Tensile strength	Nominal thickness (mm)		Values Min (MPa)	
	>	≤	min	max
	=3	100	470	630
	100	140	450	600
	Nominal thickness (mm)		Values Min (%)	
	>	≤		
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	0,44	
	30	40	0,47	
	40	140	0,47	
Durability	Nominal thickness (mm)		Values Max (%)	
	>	≤		
		140	C*: 0,24	
			Mn: 1,60	
			P: 0,040	
			S: 0,040	
			N**: 0,012	
		Cu: 0,55		
*For nominal thickness >100mm: C content upon agreement				
** The max value for nitrogen does not apply if the chemical composition shows a minimum total AL content of 0.020% or if sufficient other N binding elements are present				

EN10025-1 2004

**UK  
CA**

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Kent  
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EN 10025-1 - 2004  
Sections/Bars S355JR / 1.0045

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