

### DECLARATION OF PERFORMANCE

(According to regulation EU No 305/2011)

Section/Bars S355J0

#### Sections/Bars S355J0 / 1.0553 according EN 10025-2

To be used in-welded, bolted and riveted structures

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. 2773)

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 2773-CPR-0141.



John Thompson  
Managing Director  
Tomrods Limited

Date:  
4th May 2014

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	275	
	16	40	265	
	40	63	255	
	63	80	245	
	80	100	235	
100	140	225		
Tensile strength	Nominal thickness (mm)		Values Min (MPa)	
	>	≤	min	max
	=3	100	410	560
	100	140	400	540
	Nominal thickness (mm)		Values Min (%)	
>	≤			
=3	40	23		
40	63	22		
63	100	21		
100	140	19		
Impact strength (longitudinal)	J0		27J @ 0°C	
Weldability	Nominal thickness (mm)		Values Max (%)	
	>	≤		
	-	30	0,40	
	30	40	0,40	
	40	140	0,42	
Durability	Nominal thickness (mm)		Values Max (%)	
	>	≤	C*: 0,20	
		140	Mn:	1,60
			P:	0,035
			S:	0,035
			N**:	0,012
			Cu:	0,55
*For nominal thickness > 40mm C: 0,22. 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



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Sections/Bars S355J0

EN 10025-1 - 2004  
Sections/Bars S355J0 / 1.0553

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