

Declaration of Performance
(according to regulation EU No 305/2011)

No. LPE Section S235J2W

Section S235J2W / 1.8961 according EN 10025-5

To be used in-welded, bolted and riveted structures

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System of assessment and verification of constancy of performance of the product
System 2+

Notified factory production control certification body No. 0038 performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment, and evaluation of factory production control and issued the certificate of conformity of the factory production control

Essential characteristic	Performance		Harmonised technical specification				
Tolerances on dimensions and shape	I & H Sections Equal Flange Tee Equal Angle Unequal Angle Tapered Flange I Bulb Flats	EN 10034 EN 10055 EN 10056-1 EN10056-2 EN 10024 EN 10067	EN10025-1 2004				
Yield strength (transverse)	Nominal thickness (mm)	Values Min (MPa)					
	>	<=					
	-	16			235		
	16	40			225		
	40	63			215		
	63	80			215		
	80	100			215		
100	150	195					
Tensile strength (transverse)	Nominal thickness (mm)	Values (MPa)			min	max	
	>	<=					
	5	100	360	510			
	100	150	350	500			
	Elongation (transverse)	Nominal thickness (mm)	Values min (%)				
>		<=					
5		40	24				
40		63	23				
63		100	22				
100	150	22					
Impact strength (longitudinal)	J2	27J at - 20°C					
Weldability CEV	Nominal thickness (mm)	Values max (%)					
	>	<=					
-	150	0.44					
Durability	Nominal thickness (mm)						
	-	<=40	C:0,13 Si: 0,40 Mn: 0,20 - 0,60 P: 0,035 S: 0,030 N: 0,009 Cr: 0,40 - 0,80 Cu: 0,25 - 0,55				



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13

LPE Section S235J2W

EN 10025-1 – 2004

Section S235J2W / 1.8961

Intended to be used in metal structures or in composite metal and concrete structures

Elongation :
Tensile Strength :
Yield Strength : EN10025-5
Impact Strength :
Weldability :
Durability :

Dangerous Substances : No Performance Determined

