

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

No. LPE Section S235J2

Section S235J2 / 1.0117 according EN 10025-2

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)	
>	<=			
	-	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
	5	100	360	510
	100	150	350	500
Elongation (transverse)	Nominal thickness (mm)	Values min (%; 5.65√s ₀)		
		>	<=	
	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 (%)		
		>	<=	
	-	40	0.35	
	40	150	0.38	
Durability	Nominal thickness (mm)	Values max (%)		
		-	150	C:0,17 Mn: 1,40 P: 0,025 S: 0,025 Cu: 0,55



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13

LPE Section S235J2

EN 10025-1 – 2004

Section S235J2 / 1.0117

To be used in-welded, bolted and riveted structures

Elongation :
Tensile Strength :
Yield Strength : EN10025-2
Impact Strength :
Weldability :
Durability :

Dangerous Substances : No Performance Determined

