

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

No. LPE Section S275J2

**Section S275J2 / 1.0145 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)	Values Min (MPa)					
	>	<=					
	-	16			275		
	16	40			265		
	40	63			255		
	63	80			245		
Tensile strength (transverse)	Nominal thickness (mm)	Values (MPa)			min	max	
	>	<=			410	560	
	5	100			400	540	
	100	150					
Elongation (transverse)	Nominal thickness (mm)	Values min (%; 5.65√s <sub>0</sub> )					
	>	<=					
	5	40	21				
	40	63	20				
	63	100	19				
Impact strength (longitudinal)	J2	27J at - 20°C					
Weldability CEV	Nominal thickness (mm)	Values max (%)					
	>	<=					
	-	40	0.40				
Durability	Nominal thickness (mm)	Values max (%)					
	-	150	C: 0,18 Mn: 1,50 P: 0,030 S: 0,030 Cu: 0,55				



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LPE Section S275J2

EN 10025-1 – 2004

Section S275J2 / 1.0145

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

