

Declaration of Performance

(according to Regulation EU No 305/2011)

Ref. TST-Strongbox275-J0H

**Cold formed hollow sections
produced from non-alloy steel
Grade S275J0H / 1.0149 according EN 10219-1**

Cold formed steel hollow sections for general use
supplied with 2.2 certification to EN 10204

Tata Steel UK Limited
Tubes Europe
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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

Notified Body
Lloyds Register Verification Limited
71 Fenchurch Street, London, EC3M 4BS
Tel :+44 (0)207 423 2428
Email : ecdirectives@lr.org
Website : www.lr.org



Essential characteristic	Performance		Harmonised technical specification
Tolerances on dimensions and shape	Round, square, and rectangular hollow sections		In accordance with EN 10219-2: 2006
Yield strength	Nominal thickness (mm)	Values Min (MPa)	EN10219-1 2006
	> <=	275	
Tensile strength	Nominal thickness (mm)	Values (MPa)	
	>= <	min max	
	- 3 16	430 580	
	3 16	410 560	
Elongation (longitudinal)	Nominal thickness (mm)	Values min (%)	
	<=40	18	
Impact strength (longitudinal)	Grade	Impact Value (J) at Test Temp (°C)	
	J0H <=16	27J at 0°C	
Weldability (CEV)	Nominal thickness (mm)	Values max (%)	
	<=16	0.40	
Durability	Nominal thickness (mm)	Composition (cast) max.	
	<=16	C: 0.20 Mn: 1.50 P: 0.035 S: 0.035 N 0.009 FF deoxidation*	

Notes: *FF – Fully killed steel containing nitrogen binding elements



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Tata Steel
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Ref. TST-Strongbox275-J0H

EN 10219-1: 2006

**Cold formed hollow sections
produced from non-alloy steel
Grade S235JRH / 1.0039 according EN 10219-1**

Cold formed steel hollow sections for general use
supplied with 2.2 certification to EN 10204

Information on regulated characteristics in accordance with
EN10219 for:

Elongation :
Tensile Strength :
Yield Strength :
Impact Strength :
Weldability :
Durability :

Dangerous Substances : No Performance Determined