

## **DECLARATION OF PERFORMANCE (DoP)**

**No. DoP/EN10219/19/A**

### **1. Identification code of the product-type:**

Steel hollow sections, cold formed.

CFSHS – EN 10219-1

### **2. Type, batch or serial number:**

S235JRH / 1.0039 according to EN 10219-1

### **3. Intended use:**

To be used in metal structures or in composite metal and concrete structures.

### **4. Name and contact address of the manufacturer:**

ALESSIO TUBI S.p.A.  
S.S. 20 Km. 4  
10040 La Loggia (TO)  
Tel. 39 011 9659111  
Fax 39 011 9659378

### **5. Name and contact address of the authorized representative:**

Not applicable

### **6. System of assessment and verification of constancy of performance:**

System 2+

### **7. Notified body:**

Italian Institute of Quality Assurance (IGQ) No. 1608, certified the factory production control on the basis of initial inspection of factory and factory production control system and of continuous surveillance, assessment and approval of factory production control system, and issued the certificate of conformity (FPC) No. 1608 CPR P062 first issue on date 16/04/2008, current issue on date 14/07/2014 .

### **8. Technical assessment body:**

Not applicable

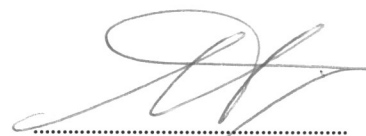
## 9. Declared performance:

Essential characteristics	Performance		Harmonized technical specification
Tolerances on dimensions and shapes	According to EN 10219-2:2006 section 6		EN 10219-2:2006
Yield strength (ReH)	Thickness (mm)	Minimum value Mpa	EN 10219-1:2006
	≤ 16	235	
	>16 e ≤ 40	225	
Tensile strength (Rm)	Thickness (mm)	Unit value Mpa	
	< 3	360 – 510	
	≥ 3 e ≤ 40	360 – 510	
Elongation (A)	Thickness (mm)	Minimum value %	
	≤ 40	24 (a)	
	(a) For thicknesses > 3mm and section sizes D/T < 15 (circular) and (B+H)/2T < 12,5 (square and rectangular), the minimum elongation is reduced by 2. For thicknesses ≤ 3mm, the minimum value for elongation is 17%.		
Impact strength (KV)	Test temperature °C	Minimum value J	
	20 °C	27 (b)	
	0 °C	-	
	-20 °C	-	
	(b) The impact properties are verified only when Option 1.3 is specified. Impact tests are not required for specified thicknesses < 6mm. In case of use of reduced section test piece, the minimum value shall be reduced in direct proportion of the actual width of the test piece compared to that of the standard test piece.		
Weldability (CEV)	Thickness (mm)	CEV max %	
	≤ 40	0,35	
Durability	Section 6.8.2 – option 1.4		

## 10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9.

**This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.**

La Loggia, 18/09/2014



The President  
 Dott. Michele Amenduni



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N° DoP/EN10219/19/A

CFSHS - EN 10219/1

S235JRH / 1.0039

Cold formed steel products, used in metal structures or in  
composite metal and concrete structures

Dimensional tolerances :

Yield strenght:

Tensile strenght:

Elongation:

Impact energy:

Weldability:

Durability:

Expressed as indicated in the DoP

Regulated substances: no determinated perfomance