

## Declaration of Performance

**N° 0101/001 rel.5**

Identification code of the product-type	Welded tube made of non-alloy structural steel S235JRH/1.0039 in accordance with EN10219:2006.
Identification of the construction product	In accordance with the information included in the identification label with barcode and/or bundle number and in the inspection certificate.
Intended use of the construction product	Cold formed welded structural hollow sections of circular, square, or rectangular shape formed cold without subsequent heat treatment.
Manufacturer (registered office)	<b>Marcegaglia Carbon Steel</b> Via Bresciani, 16 – 46040 Gazoldo degli Ippoliti (MN) – Italia
Production plant	<b>Gazoldo Degli Ippoliti</b> Via Bresciani, 16 – 46040 Gazoldo Degli Ippoliti (MN) - Italia
System of assessment and verification of constancy of performance of the construction product	<b>2+</b>
Name and identification number the notified body	RINA Service S.p.A. – Via Corsica, 12 – 16128 Genova - Italia <b>0474</b>
Notified Body and ID No (UKCA mark)	CARES - Pembroke House, 21 Pembroke Road Sevenoaks, Kent, TN13 1XR <b>1244</b>

Notified factory production control certification body performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment, and issued the certificate of conformity of the factory production control.

### Declared performance

Essential Characteristic		Performance		Harmonised Technical specification
<b>Tolerances on dimensions and shape</b>	Round, square and rectangular section	In accordance with EN10219:2019		EN10219-1:2006
<b>Durability (chemical composition)</b>	<b>Nominal thickness (mm)</b>	<b>Values</b>		
	>      ≤	-	max (%)	
-	16	C: 0,17 Si: - Mn: 1,40	P: 0,040 S: 0,040 N: -	
<b>Yield strength</b>	<b>Nominal thickness (mm)</b>	<b>Values</b>		
	>      ≤	min (MPa)	max (MPa)	
-	16	235	-	
<b>Tensile strength</b>	<b>Nominal thickness (mm)</b>	<b>Values</b>		
	>      ≤	min (MPa)	max (MPa)	
	-      3      16	360	510	
3      16	360	510		
<b>Elongation (b,c)</b>	<b>Nominal thickness (mm)</b>	<b>Values</b>		
	>      ≤	min (%)	max (%)	
-	16	24	-	
<b>Impact strength (a,d)</b>	<b>Nominal thickness (mm)</b>	<b>Values</b>		
	>      ≤	min (J)		
-	16	27 at 20°C	-	
<b>Weldability CEV</b>	<b>Nominal thickness (mm)</b>	<b>Values</b>		
	>      ≤		max (%)	
-	16	-	0,35	
a. Impact properties are verified only when option 1.3 is specified. b. See derogations here below: <input type="checkbox"/> For thicknesses > 3 mm and section sizes D/T < 15 (round) e (B+H)/2T < 12,5 (square and rectangular) the minimum elongation is reduced by 2. <input type="checkbox"/> For thicknesses ≤ 3,0 mm the minimum value for elongation is 17% c. For thicknesses < 3,0 mm the percentage elongation may be reported for a gauge length of 80 mm or 50 mm d. Impact test, when applicable or required, shall be carried out in accordance with EN10219-1. Impact test is not required for specified thicknesses < 6 mm.				

The performance of the above mentioned product complies with the set of declared performances.

This responsibility statement is issued in accordance with Regulation (EU) No. 305/2011, under the sole responsibility of the manufacturer identified above.

This responsibility statement is issued in accordance with Construction Products Regulation 2011 (retained EU law EUR 305/2011) as amended by the Construction Products (Amendment etc.) (EU Exit) Regulations 2019 and the Construction Products (Amendment etc.) (EU Exit) Regulations 2020, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of Marcegaglia  
Carbon Steel by:



*Dall'Acqua Stefano*  
*Direttore dello Stabilimento di Gazoldo Degli Ippoliti*  
*Gazoldo Degli Ippoliti 21/10/2022*

*This declaration of performance is valid only in presence of the material identification label and the waybill or the inspection certificate issued after delivery.*