

**DECLARATION OF PERFORMANCE**

n. 10210-01072013-3

1. Unique product-type identification code:

profile	external dimensions	thicknesses	Steel grades:
circular section	∅ 17 ÷ 355,6 mm	from 1,2 ÷ 16 mm	S235JRH – S275J0H – S275J2H – S355J0H – S355J2H – S355K2H – S275NH – S355NH – S420NH – S460NH – S275NLH – S355NLH – S420NLH – S460NLH
square section	90x90 ÷ 300x300 mm	from 3 ÷ 16 mm	
rectangular section	100x80 ÷ 400x200 mm	from 3 ÷ 16 mm	

- 2. Expected use: *Hot-rolled tubes for structural applications*
- 3. Manufacturer: *Arvedi Tubi Acciaio Spa, via Acquaviva, 3 – 26100 CR - Italy*
- 4. Mandatory: *Not applicable*
- 5. AVCP system: *system 2+*
- 6. Harmonized standard: *EN 10210-1:2006 – EN 10210-2:2006*  
Notified body: *Istituto Italiano di Garanzia della Qualità, 1608 CPR P063*  
*UK Certification Authority for Reinforcing Steels, 1244-CPR-1088*

7. Declared performance:

	Circular section	Square / rectangular section	Harmonized technical specification
Essential Feature	Performance		EN 10210-2
External dimensions	+/-1% with min: +/-0.5mm		
Thickness	-10% (+ Limited by weight tolerance)		
Ovality	2%		
Concavity / convexity			
Angle between sides	90° +/-1°		
Radius	R ≤ 3.0 x T		
Twist	2 mm + 0.5 mm/m		
Straightness	2.0 mm / mt on the total length and ≤ 3mm on 1 single meter		
Mass	+/- 6% (On the single tube)		

Steel	Essential Features								Harmonized technical specification		
	Elongation	Yield load	Breaking load T<=3	Breaking load T>3	Resilience KV (10 mm)					Weldability (CEV)	Durability
					-50°C	-20°C	0°C	+20°C			
	%	MPa	MPa	MPa	J				%		
Declared Performance											
S235JRH	26	235	360-510	360-510				27	0,37	If required, galvanized material	EN 10210-1
S275J0H	23	275	430-580	410-560			27		0,41		
S275J2H	23	275	430-580	410-560			27		0,41		
S355J0H	22	355	510-680	470-630			27		0,45		
S355J2H	22	355	510-680	470-630			27		0,45		
S355K2H	22	355	510-680	470-630			40		0,45		
S275NH	24	275	370-500				40		0,40		
S355NH	22	355	470-630				40		0,43		
S420NH	19	420	520-680				40		0,50		
S460NH	17	460	540-720				40		0,53		
S275NLH	24	275	370-500		27				0,40		
S355NLH	22	355	470-630		27				0,43		
S420NLH	19	420	520-680		27				0,50		
S460NLH	17	460	540-720		27				0,53		



**Arvedi Tubi Acciaio S.p.A.**

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R.I. CR 00113630198  
R.E.A. CR 90188  
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C.F. e Part. IVA IT 00113630198

**Arvedi Tubi Acciaio** 

The performance of the product identified above is in conformity with the set of declared performance. This declaration of performance is issued in accordance with Regulation (EU) No. 305/2011, under the sole responsibility of the manufacturer identified above.

*NOTE: this declaration of performance is valid only if accompanied by the material test certificate.*

Signed for and on behalf of the manufacturer by:

Cremona, 01/01/2024

Noris Battocletti

Quality Manager  


NOTE: this DoP is available online at the following link: <https://www.arvedi.it/ata/qualita-e-tecnologia/il-prodotto-lambiente-e-le-persone/>

