

Arvedi Tubi Acciaio S.p.A.

26100 Cremona - Italia
Via Acquaviva, 3 - Zona Porto Canale
Tel. +39 0372 4091
Fax +39 0372 413170

<http://www.arvedi.it/>

Cap.Soc. 24.000.000 EUR i.v.
Società interamente controllata
da Finarvedi S.p.A.
R.I. CR 00113630198
R.E.A. CR 90188
Mecc. Est. CR 000296
C.F. e Part. IVA IT 00113630198

Arvedi Tubi Acciaio**DECLARATION OF PERFORMANCE**

n. 10219-01072013-3

1. Unique product-type identification code:

profile	external dimensions	thicknesses	Steel grades:
Circular section	ø 19 ÷ 355,6 mm	from 1,2 ÷ 16 mm	S235JRH-S275J0H-S275J2H-S355J0H-S355J2H-S355K2H-S275NH-S355NLH-S460NH-S275NLH-S355NLH-S460NLH-S275MH-S355MH-S420MH-S460MH-S275MLH-S355MLH-S420MLH-S460MLH
Square section	90x90 ÷ 300x300 mm	from 3 ÷ 16 mm	
Rectangular section	100x80 ÷ 400x200 mm	from 3 ÷ 16 mm	

2. Expected Uses: *Cold profiled tubes of unalloyed steels and fine grain for welded structures*3. Manufacturer: *Arvedi Tubi Acciaio Spa, via Acquaviva, 3 – 26100 CR - Italy*4. Authorized representative: *Not applicable*5. AVCP system: *system 2+*6. Harmonized standard: *EN 10219-1:2006 – EN 10219-2:2006*
Notified body: *Istituto Italiano di Garanzia della Qualità, 1608 CPR P064*

7. Declared performance:

	Circular section	Square / rectangular section		Harmonized technical specification		
Essential Feature	Declared performance					
External dimensions	+/-1% with min: +/-0.5mm	H,B<100 mm	+/-1% with min: +/-0.5mm	EN 10219-2		
		100≤ H,B ≤ 200 mm	+/- 0.8%			
		H,B>200 mm	+/- 0.6%			
Thickness	+/- 10% with a maximum di +/- 0,5mm					
Ovality	2%					
Concavity / convexity	+/- 0,8%					
Angle between sides	90° +/-1°					
Edge radius						
					T≤ 6 mm	1.6xT<r≤2.4xT
					6<T≤10mm	2.0xT<r≤3.0xT
	T>10 mm	2.4xT<r≤3.6xT				
Twist	2mm + 0.5mm/mt					
Straightness	2.0mm/m on total length and loc. ≤ 3mm/m	1,5 mm/m on total length and loc. ≤ 3mm/m				
Mass	+/- 6% (on the single tube)					

	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				%		
Steel	Declared Performance										
S235JRH	24	235	360-510	360-510				27	0,35	If required, galvanized material	EN 10219-1
S275J0H	20	275	430-580	410-560			27		0,4		
S275J2H	20	275	430-580	410-560		27			0,4		
S355J0H	20	355	510-680	470-630			27		0,45		
S355J2H	20	355	510-680	470-630		27			0,45		
S355K2H	20	355	510-680	470-630		40			0,45		
S275NH	24	275	370-510			40			0,4		
S355NH	22	355	470-630			40			0,43		
S460NH	17	460	540-720			40			0,53		
S275NLH	24	275	370-510		27				0,4		
S355NLH	22	355	470-630		27				0,43		
S460NLH	17	460	540-720		27				0,53		
S275MH	24	275	360-510			40			0,34		
S355MH	22	355	450-610			40			0,39		
S420MH	19	420	500-660			40			0,43		
S460MH	17	460	530-720			40			0,46		
S275MLH	24	275	360-510		27				0,34		
S355MLH	22	355	450-610		27				0,39		
S420MLH	19	420	500-660		27				0,43		
S460MLH	17	460	530-720		27				0,46		



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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, 07/06/2017

Noris Battocletti
Quality Manager


NOTE: this DoP is available online at the following link: <http://www.arvedi.it/ata/it/2100/Ilprodotto%2CI%92ambiente%2Clepersone.htm>

