

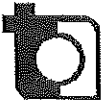
**Arvedi Tubi Acciaio S.p.A.**  
 26100 Cremona - Italia  
 Via Acquaviva, 3 - Zona Porto Canale  
 Tel. +39 0372 4091  
 Fax +39 0372 413170

www.arvedi.it

A01  
 Cap.Soc. 4.000.000 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

A04

**Arvedi Tubi Acciaio**



**Inspection certificate EN 10204/3.1**

A02

<b>Number</b> A03	<b>412574</b>	<b>date</b> Z02	<b>08/07/2015</b>
Our order A08	<b>0211178968</b>	<b>/ 30</b>	
Customer order A07	<b>4500298476</b>		
date A10	<b>17/04/2015</b>		
Consegna	<b>0221274737</b>		
delivery A10	<b>0000216036</b>	date	<b>08/07/2015</b>

Messrs A06	<b>LEMVIGH-MUELLER A/S</b>
	<b>NORDAGER 1 LEV 100478</b>
<b>6000</b>	<b>KOLDING</b>
	<b>DK</b>

Description B01	<b>TUBE</b>	Steel grade B02	<b>S355J2H</b>				
Standard B01	<b>EN 10219-1 T&gt;= 3 MM</b>	Tubes B08	<b>15</b>	MT B14	<b>180,00</b>	KG B13	<b>2.923,00</b>
Dimensions B04;B9-B11	<b>SGM 160x80x5x12000 S355J2H EN 10219</b>						

**Chemical analysis**  
C71-C92

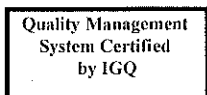
	C	Mn	Si	P	S	Al	Cr	Ni	Mo	Cu	Sn	V	Nb	Ti	B	N	
min						0,0200											
max	0,2500	1,7000	0,6000	0,0400	0,0400		0,3000	0,5000	0,1000	0,3500		0,1200	0,0500	0,0300		0,0110	
B07	<b>1058162A</b>	0,1573	1,4184	0,0160	0,0169	0,0100	0,0252	0,0392	0,0244	0,0051	0,0344		0,0029	0,0014	0,0010		0,0005
	<b>1058162A</b>	C+MN/6+(CR+MO+V)/5+(NI+CU)/15						<=0,45		0,4071							

**Mechanical and technological tests**  
C10-C29

Works Nr. B07	Heat B07	Lot B07	Tubes B07	R (MPa)		REH (MPa)		A(%)	Rs/R	Fm (N)
				>= 470	<= 630	>= 355		>= 20,0		
<b>11058162</b>	<b>1058162A</b>		<b>15</b>	540		449		23,95		

Test B06;D1-D6;D51-D60	Standard	Required	-	Result
Non destructive test	EN ISO 10893-2		% 100	<b>POSITIVE</b>
Dimensional inspection	EN 10219-2		LOT 1	<b>POSITIVE</b>
Flattening test	EN ISO 8492		LOT 1	<b>POSITIVE</b>
Visual	EN 10219-1		% 100	<b>POSITIVE</b>

Remarks  
D51



Germanischer Lloyd  
WZ 844 HH 2



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<sup>A03</sup> Number	<b>412574</b>	<sup>Z02</sup> date	<b>08/07/2015</b>
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<sup>A07</sup> date	<b>17/04/2015</b>		
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<sup>A10</sup>			

Messrs	<sup>A06</sup>
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<b>NORDAGER 1 LEV 100478</b>	
<b>6000 KOLDING</b>	
	<b>DK</b>

<sup>Z04</sup>	<b>CE</b>
	1608
	Arvedi Tubi Acciaio S.p.A. via Acquaviva 3, I-26100 Cremona
	15
	1608 CPR P064
	EN 10219-1:2006
	Cold formed welded structural hollow sections of non-alloy structural steels <i>Profilati cavi formati a freddo di acciai non legati e a grano fine per strutture saldate</i>
Product designation ( <i>Designazione prodotto</i> ):	S355J2H
Dimensional Tolerances ( <i>Tolleranze dimensionali</i> ):	EN 10219-2
Elongation ( <i>Allungamento</i> ):	EN 10219-1
Tensile and Yield strength ( <i>Carico di snervamento a rottura</i> ):	EN 10219-1
Impact energy ( <i>Resilienza</i> ):	EN 10219-1
Weldability ( <i>Saldabilità</i> ):	EN 10219-1

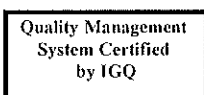
<sup>A05</sup> **QUALITY DEPARTMENT**

Tel. +39 0372 4091

Fax +39 0372 409349

e-mail: controllo.qualita@ata.arvedi.it

<sup>Z01</sup> We hereby certify, that the material described above has been tested and complies with the terms of the order contract. This certificate has been created by a data processing system and does not contain a personal signature but the name and the official address of the appointed department.





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	<b>DK</b>

**DECLARATION OF PERFORMANCE**

n. 10219-01072013-1

1. Unique identification code of the product-type:

<i>Cold formed welded structural hollow sections in following dimensions: thickness 1,2 ÷ 16 mm</i>	
<i>Circular hollow section</i>	<i>ø 17,2 ÷ 323,9 mm</i>
<i>Square hollow section</i>	<i>90x90 ÷ 260x260 mm</i>
<i>Rectangular hollow section</i>	<i>100x80 ÷ 300x200 mm</i>

2. Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4):  
*in agreement with the number indicated on the label on the material*

000001058162

3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

*Cold formed welded Structural Hollow Section for steel building or concrete/steel building*

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5):

*Arvedi Tubi Acciaio Spa, via Acquaviva, 2 - 26100 CR - Italy*

5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2):

*Not applicable*

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V:

*system 2+*

7. In case of the declaration of performance concerning a construction product covered by a harmonised standard:

*IGQ, 1608*

performed *initial inspection of the manufacturing plant and of factory production control*

*continuous surveillance, assessment and evaluation of factory production control*

under system *2+*

and issued *certificate of conformity of the factory production control n° P064*

8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:

*Not applicable*

9. Declared performance

Caratteristiche essenziali Essential Characteristics	Prestazioni Performance	Specifica tecnica armonizzata Harmonised technical specification
<i>Tolleranze dimensionali - Dimensional Tolerances</i>	<i>EN 10219-2, 6</i>	<i>EN 10219-1:2006</i>
<i>Allungamento - Elongation</i>	<i>EN 10219-2, 6.7.1</i>	
<i>Carico di snervamento e rottura - Tensile and Yield strength</i>	<i>EN 10219-2, 6.7.2</i>	
<i>Resilienza - Impact energy</i>	<i>EN 10219-1, 6.6.1 e 6.8.1</i>	
<i>Saldabilità - Weldability</i>	<i>EN 10219-1, 6.8.2</i>	

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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.

Cremona, 01/07/2013

  
 Noris Battocletti  
 Quality Manager



Germanischer Lloyd  
 WZ 844 HH 2

