



# CERTIFICATO DI COLLAUDO

## INSPECTION CERTIFICATE

SECTION 1 ACCORDING TO EN 10204 - 2.2

SECTION 2 ACCORDING TO EN 10204 - 3.1

DATA STAMPA: Date of stamp	<b>20/05/16</b>	CERTIFICATO N°: Certificate number	<b>G03813</b>	VERGELLA: Type	<b>AT-SG3</b>	COLATA: Heat	<b>16038</b>	CLIENTE / CUSTOMER PAWLOWSKI GMBH	051362
DDT N° 16 BO 001852 14,00	Vs.Rif.Ord. IHRE BESTELLUNG VOM 18/04/2016	Ns.Rif.Ord. 16 OC 1821 5,00	Quantità (KG) 1.152,000	OGGENHAUSER HAUPTSTRASSE,77 89522 HEIDENHEIM OGGENHAUSEN					

### CARATTERISTICHE MECCANICHE TIPICHE DEL DEPOSITO / TYPICAL MECHANICAL PROPERTIES OF ALL-WELD METAL

SECTION 1

Rm N/mm <sup>2</sup> Tensile Strength MPa	<b>590</b>	Rs N/mm <sup>2</sup> Yield Strength MPa	<b>500</b>	Al % 5d Elongation Percent	<b>26</b>	KV (J) Impact Test	<b>80(-40°C)</b>	Hardness (HRC)
--	------------	--	------------	-------------------------------	-----------	-----------------------	------------------	----------------

### ANALISI CHIMICA COLATA / CHEMICAL ANALYSIS (HEAT)

SECTION 2

C %:	<b>0,068</b>	Si %:	<b>0,958</b>	Mn %:	<b>1,643</b>	P %:	<b>0,006</b>	S %:	<b>0,019</b>	Cr %:	<b>0,039</b>	Mo %:	<b>0,004</b>
Ni %:	<b>0,024</b>	V %:	<b>0,003</b>	W %:		Ti %:	<b>0,0090</b>	Al %:	<b>0,002</b>	Zr %:	<b>0,0001</b>	Sn %:	
Nb %:		Sb %:		As %:	<b>0,0018</b>	N ppm:	<b>32</b>	O ppm:		Cu* %:	<b>0,134</b>	Fx =	

\* = incluso rivestimento / coating included

 $F_x = (10P + 5 Sb + 4 Sn + As) / 100$  (elements in ppm)

### CARATTERISTICHE FINALI DEL PRODOTTO / FINAL CHARACTERISTICS OF THE PRODUCT

TIPO: Type	<b>AT-SG3</b>	DIAMETRO: Diameter	<b>D.1,00</b>	RIVESTIMENTO: Coating	<b>X</b>	Ramato / Coppered Bronzato / Bronzed Extra / Non ramato / Uncoppered
---------------	---------------	-----------------------	---------------	--------------------------	----------	--

MIG/TIG: **M**

<b>CLASSIFICAZIONI:</b> Classifications	SFA-AWS A5.18 ER70S-6 EN ISO 14341-A- G 46 4 C1/M21 4Si1
--	---

**Articolo Cliente:**  
Customer Code:

Member of CISQ Federation

Certified Quality System  
According to **UNI EN ISO 9001:2008**  
Certificate n° 300/96/S

**ITALFIL S.p.A.**  
Quality Assurance Manager

R.A.Q. R.C.Q.  
P.I. DALLA VECCHIA ANDREA  
*Andrea Dalla Vecchia*



0045

06

DoP n° DM010

DIN EN 13479 + DIN EN ISO 14341

Use in metallic structures or in composite metal and concrete structures



# CERTIFICATO DI COLLAUDO

## INSPECTION CERTIFICATE

SECTION 1 ACCORDING TO EN 10204 - 2.2

SECTION 2 ACCORDING TO EN 10204 - 3.1

DATA STAMPA: Date of stamp	<b>20/05/16</b>	CERTIFICATO N°: Certificate number	<b>G03813</b>	VERGELLA: Type	<b>AT-SG3</b>	COLATA: Heat	<b>16038</b>	CLIENTE / CUSTOMER PAWLOWSKI GMBH	051362
DDT N°		Vs.Rif.Ord.		Ns.Rif.Ord.		Quantità (KG)		OGGENHAUSER HAUPTSTRASSE,77	
16 BO 001852 14,00		IHRE BESTELLUNG VOM 18/04/2016		16 OC 1821 5,00		1.152,000		89522 HEIDENHEIM OGGENHAUSEN	

### CARATTERISTICHE MECCANICHE TIPICHE DEL DEPOSITO / TYPICAL MECHANICAL PROPERTIES OF ALL-WELD METAL

SECTION 1

Rm N/mm <sup>2</sup> Tensile Strength MPa	<b>590</b>	Rs N/mm <sup>2</sup> Yield Strength MPa	<b>500</b>	Al % 5d Elongation Percent	<b>26</b>	KV (J) Impact Test	<b>80(-40°C)</b>	Hardness (HRC)
--	------------	--	------------	-------------------------------	-----------	-----------------------	------------------	----------------

### ANALISI CHIMICA COLATA / CHEMICAL ANALYSIS (HEAT)

SECTION 2

C %:	<b>0,068</b>	Si %:	<b>0,958</b>	Mn %:	<b>1,643</b>	P %:	<b>0,006</b>	S %:	<b>0,019</b>	Cr %:	<b>0,039</b>	Mo %:	<b>0,004</b>
Ni %:	<b>0,024</b>	V %:	<b>0,003</b>	W %:		Ti %:	<b>0,0090</b>	Al %:	<b>0,002</b>	Zr %:	<b>0,0001</b>	Sn %:	
Nb %:		Sb %:		As %:	<b>0,0018</b>	N ppm:	<b>32</b>	O ppm:		Cu* %:	<b>0,134</b>	Fx =	

\* = incluso rivestimento / coating included

 $F_x = (10P + 5 Sb + 4 Sn + As) / 100$  (elements in ppm)

### CARATTERISTICHE FINALI DEL PRODOTTO / FINAL CHARACTERISTICS OF THE PRODUCT

TIPO: Type	<b>AT-SG3</b>	DIAMETRO: Diameter	<b>D.1,00</b>	RIVESTIMENTO: Coating	<b>X</b>	Ramato / Coppered Bronzato / Bronzed Extra / Non ramato / Uncoppered
---------------	---------------	-----------------------	---------------	--------------------------	----------	--

MIG/TIG: **M**

<b>CLASSIFICAZIONI:</b> Classifications	SFA-AWS A5.18 ER70S-6 EN ISO 14341-A- G 46 4 C1/M21 4Si1
--	---

**Articolo Cliente:**  
Customer Code:

Member of CISQ Federation

Certified Quality System  
According to **UNI EN ISO 9001:2008**  
Certificate n° 300/96/S

**ITALFIL S.p.A.**  
Quality Assurance Manager

R.A.Q. R.C.Q.  
P.I. DALLA VECCHIA ANDREA



0045

06

DoP n° DM010

DIN EN 13479 + DIN EN ISO 14341

Use in metallic structures or in composite metal and concrete structures