



# CERTIFICATO DI COLLAUDO

## INSPECTION CERTIFICATE

SECTION 1 ACCORDING TO EN 10204 - 2.2  
SECTION 2 ACCORDING TO EN 10204 - 3.1

|                   |          |                                 |        |                 |        |               |       |                    |        |
|-------------------|----------|---------------------------------|--------|-----------------|--------|---------------|-------|--------------------|--------|
| DATA STAMPA:      | 21/10/15 | CERTIFICATO N°:                 | F18707 | VERGELLA:       | AT-SG2 | COLATA:       | 15187 | CLIENTE / CUSTOMER | 051656 |
| Date of stamp     |          | Certificate number              |        | Type            |        | Heat          |       | JOH.BENNING GMBH   |        |
| DDI N°            |          | Vs. Ril.Ord.                    |        | Ns. Ril.Ord.    |        | Quantità (KG) |       | SCHWEISSTECHNIK    |        |
| 15 BO 003772 2.00 |          | BEST.NR.2015-10683 VOM 22/09/15 |        | 15 OC 3921 1.00 |        | 1.152.000     |       | DAIMLERSTRASSE 3   |        |
|                   |          |                                 |        |                 |        | 73054         |       | EISLINGEN          |        |

| CARATTERISTICHE MECCANICHE TIPICHE DEL DEPOSITO / TYPICAL MECHANICAL PROPERTIES OF ALL-WELD METAL |     |                    |                | SECTION 1  |
|---------------------------------------------------------------------------------------------------|-----|--------------------|----------------|------------|
| Rm N/mm²                                                                                          | 550 | Rs N/mm²           | 450            |            |
| Tensile Strength MPa                                                                              |     | Yield Strength MPa |                |            |
|                                                                                                   |     | Elongation Percent | Al % 5d        | >24        |
|                                                                                                   |     |                    | KV (J)         | >80(-40°C) |
|                                                                                                   |     |                    | Impact Test    |            |
|                                                                                                   |     |                    | Hardness (HRC) |            |

| ANALISI CHIMICA COLATA / CHEMICAL ANALYSIS (HEAT) |       |       |       |       |        |        |        |        |       |        |        |       | SECTION 2                                             |
|---------------------------------------------------|-------|-------|-------|-------|--------|--------|--------|--------|-------|--------|--------|-------|-------------------------------------------------------|
| C %:                                              | 0,071 | Si %: | 0,860 | Mn %: | 1,460  | P %:   | 0,009  | S %:   | 0,015 | Cr %:  | 0,031  | Mo %: | 0,003                                                 |
| Ni %:                                             | 0,014 | V %:  | 0,001 | W %:  |        | Ti %:  | 0,0010 | Al %:  | 0,001 | Zr %:  | 0,0030 | Sn %: |                                                       |
| Nb %:                                             |       | Sb %: |       | As %: | 0,0020 | N ppm: | 40     | O ppm: |       | Cu* %: | 0,120  | Fx =  |                                                       |
| * = incluso rivestimento / coating included       |       |       |       |       |        |        |        |        |       |        |        |       | Fx = (10P + 5 Sb + 4 Sn + As) / 100 (elements in ppm) |

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

|          |        |           |        |               |   |                                 |
|----------|--------|-----------|--------|---------------|---|---------------------------------|
| TIPO:    | AT-SG2 | DIAMETRO: | D.1,00 | RIVESTIMENTO: | X | Ramato / Coppered               |
| Type     |        | Diameter  |        | Coating       |   | Bronzato / Bronzed              |
| MIG/TIG: | M      |           |        |               |   | Extra / Non ramato / Uncoppered |

CLASSIFICAZIONI: SFA-AWS A5.18 ERT05-6  
Classifications EN ISO 14341-A-G 42 4 C1M21 3Si1

Articolo Cliente:  
Customer Code:

Member of CISO Federation  
Certified Quality System  
According to UNI EN ISO 9001:2008  
Certificate n° 300/96/S

ITALFIL S.p.A.  
Quality Assurance Manager



0045

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DoP n° D1009

DIN EN 13479 \* DIN EN ISO 14341  
Use in metallic structures or in composite  
metal and concrete structures

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