

CERTIFICAT

CERTIFICADO

СЕРТИФИКАТ

認證證書

CERTIFICATE

ZERTIFIKAT



Italia

# CERTIFICATO CERTIFICATE

Qualità per la saldatura per fusione dei materiali metallici in accordo alla  
**UNI EN ISO 3834-2:2021**

*Quality requirements for fusion welding of metallic materials according to  
UNI EN ISO 3834-2:2021*

**Certificato No.: 523-727-2023**

*Certificate No.: 523-727-2023*

**Si certifica che**

*This is to certify that*

**ENTALPIA M G S.R.L**

**Sede legale: Via Passariello, 184 I-80038 Pomigliano D'Arco (NA)**

**Sede operativa: Via Ford, snc I-81025 Marcianise (CE)**

è conforme ai requisiti della norma

*has been found compliant with the requirements of*

**UNI EN ISO 3834-2:2021**

per il seguente campo di applicazione:

*for the following scope of approval:*

**Attività di saldatura di carpenteria metallica e tubazioni per impianti di  
condizionamento, aspirazione e ventilazione di tipo navale e civile**

*Welding activities of metal carpentry and pipes for air conditioning, aspiration and  
ventilation of naval and civil type*

**Campo di validità / Validity range: Vedi Allegato / See Annex**

**Data emissione / Issue date: 24/07/2023**

**Data 1° emissione / First issue date: 24/07/2023**

**Data scadenza / Expiry date: 23/07/2026**

**Auditor / Auditor: Germano Sangermano**

**Coordinatore di Saldatura / Welding Coordinator:**

**Pasquale Imperato**

**Livello di qualifica / Qualification Level: Specialist**

Per l'Organismo di Certificazione

*For the Certification Body*

**TÜV Italia S.r.l.**



PRD N° 081B

Membro degli Accordi di Mutuo Riconoscimento  
EA, IAF e ILAC  
Signatory of EA, IAF and ILAC Mutual  
Recognition Agreements



**Alberto Carelli**

**Industry Service – Real Estate &  
Infrastructure  
Managing Director**

**La validità del presente certificato è subordinata a sorveglianza periodica a 12 mesi e al riesame completo del  
sistema di gestione aziendale con periodicità triennale**

*The validity of the present certificate depends on the annual surveillance every 12 months and on the complete review  
of company's management system after three-years*

PSQW-01\_M017\_r08\_del 30/08/2021





Italia

## Allegato al certificato n°523-727-2023 Annex to certificate n°523-727-2023

Campo di validità / Validity range:				
Processi in accordo alla EN ISO 4063 / Processes according to EN ISO 4063	Materiali in accordo alla CEN ISO/TR 15608 / Materials according to CEN ISO/TR 15608	Spessori (mm) / Thicknesses (mm)	Diametri (mm) / Diameters (mm)	Note / Remarks
135	8.1	BW=1÷4 FW=1.4÷4	≥ 150	Fw - sl
135	8.1	3÷10	≥ 150	Fw - sl
135	8.1	T1=2.1÷6 T2=3÷6	N.A.	Fw - sl
135	8.1	T1= 3÷7.82 T2=3÷8	≥ 30.16	Fw - sl
135	8.1	3.91÷20	≥ 30.16	Fw - ml
135	8.1	5.49÷5.49	≥ 44.45	Bw - ml
135	1.2	BW: t=1÷4 FW: t=1.4÷4	≥ 110	Bw - sl
135	1.2	T1=1.4÷4 T2=3÷30	≥ 110	Fw - sl
135	1.2	BW: t=3÷15.2 FW: t=3÷15.2	≥ 44.45	Bw - ml
135	1.2	T1=3÷12.6 T2=3÷8	≥ 30.15	Fw - sl
135	1.2	T1=3÷12.6 T2=3÷30 T1=3÷12.6 T2=7.5÷30	≥ 30.15	Fw - ml
135	1.2	BW=3÷16 FW=3÷16	≥ 84.15	Bw - ml
135	1.2	T=3÷30 T1=3÷40	N.A.	Fw - ml
135	1.2	BW=10÷40; T1=35÷140 FW= ≥ 5	>500 mm or >150 mm welded in PC, PF rotated position or PA rotated position	Bw - ml T-Joint
135	1.2	BW=20÷80 FW= ≥ 5	>500 mm or >150 mm welded in PC, PF rotated position or PA rotated position	Bw - ml
135	1.2	FW=7,5÷30 T1=10÷40	>500 or >150 welded in Downhand (D) or Horizontal (X) positions	Fw - ml

PSQW-01\_M017\_r08\_del 30/08/2021





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Processi in accordo alla EN ISO 4063 / Processes according to EN ISO 4063	Materiali in accordo alla CEN ISO/TR 15608 / Materials according to CEN ISO/TR 15608	Spessori (mm) / Thicknesses (mm)	Diametri (mm) / Diameters (mm)	Note / Remarks
135	1.2	BW=10÷40 T1=35÷140 FW=10÷40 T1=35÷140	>500 or >150 welded in Downhand (D) or Horizontal (X) positions	Bw - ml T-Joint
135	1.2	BW=20÷80 FW=20÷80	>500 or >150 welded in Downhand (D) or Horizontal (X) positions	Bw - ml T-Joint
136	1.2	T=3÷30 T1=3÷40	N.A.	Fw - ml
136	1.2	BW=10÷40; T1=35÷140 FW≥5.0	>500 mm or >150 mm welded in PC, PF rotated position or PA rotated position	Bw -ml T-Joint
136	1.2	BW=20÷80; FW≥5.0	>500 mm or >150 mm welded in PC, PF rotated position or PA rotated position	Bw - ml
136	1.2	BW=7,5 to 30 T1=10 to 40	>500 or >150 welded in Downhand (D) or Horizontal (X) positions	Fw - ml
136	1.2	BW=10 to 40 T1=35 to 140 FW=10 to 40 T1=35 to 140	>500 or >150 welded in Downhand (D) or Horizontal (X) positions	Bw -ml T-Joint
136	1.2	BW=20÷80 FW=20÷80	>500 or >150 welded in Downhand (D) or Horizontal (X) positions	Bw -ml T-Joint
141	1.2	BW=3÷12.6 FW=3÷12.6	≥ 30.15	Bw - ml
141	1.2	BW=1.3÷5.2 T=1.8÷2.9 FW=1.8÷5.2 T=2.6÷5.2	≥ 16.85	Bw - sl
141	8.1	BW=3÷11.1 FW=3÷11.1	≥ 36.5	Bw - ml
141	8.1	BW=1.4÷5.5 T=1.9÷5.5 FW=1.9÷3.1 T=2.7÷5.5	≥ 16.7	Bw - sl
141	34	BW=0.75÷3 FW=0.75÷3	All Diameters	Bw - ml
141	34	BW=0.75÷3 FW=0.75÷3	All Diameters	Bw - ml

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