



Industrie Service

CERTIFICATO

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L'Ente di Certificazione TÜV Italia Srl
The Certification Body of TÜV Italia Srl

certifica che
certifies that

Bertoloni & Botturi S.r.l.
Via Emblegna 24/26
I-25085 GAVARDO (BS)

ha realizzato, gestisce e mantiene un sistema qualità come descritto nella Pressure Equipment Directive 2014/68/UE Allegato I Par. 4.3
has implemented, operates and maintains a quality system as described in the Pressure Equipment Directive 2014/68/EU Annex I Par. 4.3

come produttore di materiali per il seguente campo di applicazione
as material manufacturer for the scope of approval

Hot press forgings and precision machining of ferritic steel, martensitic, austenitic, ferritic stainless steel, duplex and nickel alloys.

FOR THE SCOPE APPROVAL MATERIAL : Vedi Allegato / See Annex 1

Il produttore è pertanto autorizzato ad emettere certificati di controllo specifico sul prodotto, nell'ambito del suddetto campo di applicazione del sistema qualità e in accordo con la Direttiva Attrezzature a Pressione 2014/68/UE e specifiche tecniche applicate:
The manufacturer is, therefore, authorized to issue certificates of specific product control within the scope of the assessed quality system and in accordance with the Pressure Equipment Directive 2014/68/EU and applied technical specifications:

Certificato No. / Certificate No.: PED-QS4.3-508-17 Rev. 1

Data emissione / Issue date: 10/06/2020

Data 1° emissione / First issue date: 31/05/2017

Data scadenza / Expiry date: 30/05/2023

TÜV ITALIA Srl



Alberto Carelli
Industry Service Division Manager



Allegato al Certificato n° PED-QS4.3-508-17 Rev. 1 Industrie Service
Annex to Certificate n° PED-QS4.3-508-17 Rev. 1

| ANNEX TO CERTIFICATE TUV n° PED-QS4.3-508-17 Rev. 1 (the material ASTM/ASME is permitted use for PED 2014/68/EU with supported of PMA - Particular Material Appraisal) | | | | | | |
|---|---|--|--|--|--|--|
| 1 | 2 | 3 | 5 | 6 | 7 | |
| P o s. N o. | Tipo di Designazione (Requirements in accordance with standard) | Dimensioni e/o Peso (Maximum dimension and/or weight)s | Norma di fornitura del Materiale Material in accordance with (ad es. DIN EN, EMDS) | Stato di Fornitura (Delivery condition) | Metodo di produzione (Production processes) | |
| 1.1 | ASTM A105 (FERRITIC) | 300 KG MAX | ASTM A105 | Normalized | Forging | |
| 1.2* | ASTM A350 LF2 (FERRITIC) | 300 KG MAX | ASTM A350 | Normalized Quenching and tempering | Forging | |
| 2.1* | ASTM A182 F22- F11- F91 (LOW ALLOY) | 300 KG MAX | ASTM A182 | Normalized and tempering | Forging | |
| 3.1* | ASTM A564 GR.630 (MARTENSITIC) | 300 KG MAX | ASTM A630 | Annealed – Aging | Forging | |
| 4.1* | ASTM A182 F316L- F304-F321-F310-F347 (AUSTENITIC) | 300 KG MAX | ASTM A182 | Solution annealing | Forging | |
| 5.1* | ASTM A182 F51-F53- F60 (DUPLEX ALLOY) | 300 KG MAX | ASTM A182 | Solution annealing | Forging | |
| 6.1* | ASTM B425 – B466- B564-B637 UNS 08825 – UNS 06625 – UNS N07718 – N04400 (NICKEL ALLOYS) | 300 KG MAX | ASTM B425 – B466- B564-B637 | Annealed - Solution annealing | Forging | |
| 6.2* | ASTM A 276 UNS S42000 | 300 KG MAX | ASTM A 276 UNS S42000 | Quenched and tempered | Forging | |

* For use under the directive 2014/68/EU a Particular Material Appraisal (PMA) is required