



Viar Group Certifications

Updated on July 2026

MANAGEMENT SYSTEM CERTIFICATE

Certificate no.:
10000352751-MSC-ACCREDIA-ITA

Initial certification date:
25 June 2020

Valid:
25 June 2026 – 24 June 2029

This is to certify that the management system of



VIAR S.p.A. - Gruppo

Via del Saliccio, 11/a, Quinzano - 21040 Sumirago (VA) - Italy

and the sites as mentioned in the appendix accompanying this certificate

has been found to conform to the Quality Management System standard:

ISO 9001:2015

This certificate is valid for the following scope:

Design, manufacturing and marketing of integrally reinforced outlet/inlet branch fittings, forged fittings, clamp connectors, special flanges, special components for subsea application, forged pipes and bends clad, forged components. Forging. Machining. Heat Treatment. Bending. Welding and cladding. inspection and testing (IAF 17)

Place and date:
Vimercate (MB), 27 April 2026

For the issuing office:
DNV - Business Assurance
Via Energy Park, 14, - 20871 Vimercate (MB) - Italy



Claudia Baroncini
Management Representative

Appendix to Certificate

VIAR S.p.A. - Gruppo

Locations included in the certification are as follows:

Site Name	Site Address	Site Scope
VIAR S.p.A.	Via del Saliccio, 11/a, Quinzano - 21040 Sumirago (VA) - Italy	Design, manufacturing and marketing of integrally reinforced outlet/inlet branch fittings, forged fittings, clamp connectors, special flanges, special components for subsea application, forged pipes and bends clad, forged components. Forging. Machining. Heat Treatment. Welding and cladding. inspection and testing. (IAF 17)
VIAR S.p.A.	Via del Lavoro, 18 - 21040 Jerago con Orago (VA) - Italy	Machining, inspection and testing of the products referenced in the scope. (IAF 17)
VIAR S.p.A.	Via Puccini, 28 - 21010 Besnate (VA) - Italy	Material warehouse (IAF 17)
VIAR S.p.A.	Via Merla, 3 - 23819 Primaluna (LC) - Italy	Manufacturing of closed-die forgings. (IAF 17)
VIAR S.p.A.	Via I Maggio, 8 - 21048 Solbiate Arno (VA) - Italy	Machining of the products referenced in the scope. (IAF 17)
VIAR S.p.A.	Via Monte Leone, 103 - 21013 Gallarate (VA) - Italy	Machining. Bending of pipes. Welding and cladding. Heat Treatment. Inspection and testing (IAF 17)
Forgiatura Marcora S.r.l.	Via Antonio Gramsci, 36 - 21057 Olgiate Olona (VA) - Italy	Manufacturing of open-die forgings. Machining. Heat Treatment. (IAF 17)
FOMECC S.p.A.	Corso Inghilterra, 40 - 12084 Mondovì (CN) - Italy	Manufacturing of open-die forgings. Machining. Heat Treatment. (IAF 17)

MANAGEMENT SYSTEM CERTIFICATE

Certificate no.:
10000456679-MSC-ACCREDIA-ITA

Initial certification date:
01 June 2021

Valid:
01 June 2024 – 31 May 2027

This is to certify that the management system of

VIAR S.p.A.

Via del Saliccio, 11 A - 21040 Sumirago (VA) - Italy

and the sites as mentioned in the appendix accompanying this certificate

Has been found to conform to the Management System standard:

ISO 3834-2:2021

This certificate is valid for the following scope:

**Forged components, prefabricated piping spools and steel structures
(IAF 17)**

Place and date:
Vimercate (MB), 15 April 2024



For the issuing office:
DNV - Business Assurance
Via Energy Park, 14
20871 Vimercate (MB) - Italy



Claudia Baroncini
Management Representative

Appendix to Certificate

VIAR S.p.A.

Locations included in the certification are as follows:

Site Name	Site Address	Site Scope
VIAR S.p.A.	Via del Saliccio, 11 A 21040 Sumirago (VA) - Italy	Forged components, prefabricated piping spools and steel structures
VIAR S.p.A.	Via del Lavoro, 18 21040 Jerago con Orago (VA) - Italy	Forged components, prefabricated piping spools and steel structures



1. Description type of product

forged components, prefabricated piping spools and steel structures.

2. Standards used alternatives to ISO 3834-5

ASME IX, DNV-OS-F101

3. Product standards used

ASME VIII DIV. 1, EN1090-1

4. Welding process and parent materials groups (according ISO/TR 15608)

Welding process (ISO 4063)	Parent materials groups (ISO/TR 15608)
121	Gruppo 5 – SubGroup 5.2
135	Gruppo 1 – SubGroup 1.1, 1.2, 1.3 Gruppo 43 Gruppo 44
141	Gruppo 1 – SubGroup 1.3 Gruppo 5 – SubGroup 5.2 Gruppo 8 – Sub 8.1, 8.2 Gruppo 9 – Sub 9.2, 9.3 Gruppo 10– Sub 10.1, 10.2 Gruppo 43

5. Responsible Welding Coordinator (according ISO 14731)

Name and Surname	Qualification	Competence level
Repetto Paolo	Approvazione DNV	1C

MANAGEMENT SYSTEM CERTIFICATE

Certificate no.:
10000352752-MSC-DNV-ITA

Initial certification date:
25 June 2020

Valid:
25 June 2026 – 24 June 2029

This is to certify that the management system of



VIAR S.p.A.

Via del Saliccio, 11/a, Quinzano - 21040 Sumirago (VA) - Italy

and the sites as mentioned in the appendix accompanying this certificate

has been found to conform to the Quality Management System standard:

ISO 29001:2020

This certificate is valid for the following scope:

Design, manufacturing and marketing of integrally reinforced outlet/inlet branch fittings, forged fittings, clamp connectors, special flanges, special components for subsea application, forged pipes and bends clad, forged components. Forging. Machining. Heat Treatment. Bending. Welding and cladding. inspection and testing. (IAF 17)

Place and date:
Vimercate (MB), 27 April 2026



For the issuing office:
DNV - Business Assurance
Via Energy Park, 14, - 20871 Vimercate (MB) - Italy



Claudia Baroncini
Management Representative

Appendix to Certificate

VIAR S.p.A.

Locations included in the certification are as follows:

Site Name	Site Address	Site Scope
VIAR S.p.A.	Via del Saliccio, 11/a, Quinzano - 21040 Sumirago (VA) - Italy	Design, manufacturing and marketing of integrally reinforced outlet/inlet branch fittings, forged fittings, clamp connectors, special flanges, special components for subsea application, forged pipes and bends clad, forged components. Forging. Machining. Heat Treatment. Welding and cladding. inspection and testing. (IAF 17)
VIAR S.p.A.	Via del Lavoro, 18 - 21040 Jerago con Orago (VA) - Italy	Machining, inspection and testing of the products referenced in the scope. (IAF 17)
VIAR S.p.A.	Via Puccini, 28 - 21010 Besnate (VA) - Italy	Material warehouse (IAF 17)
VIAR S.p.A.	Via Merla, 3 - 23819 Primaluna (LC) - Italy	Manufacturing of closed-die forgings. Heat Treatment (IAF 17)
VIAR S.p.A.	Via I Maggio, 8 - 21048 Solbiate Arno (VA) - Italy	Machining of the products referenced in the scope. (IAF 17)
VIAR S.p.A.	Via Monte Leone, 103 - 21013 Gallarate (VA) - Italy	Machining. Bending of pipes. Welding and cladding. Heat Treatment. Inspection and testing (IAF 17)
Forgiatura Marcora S.r.l.	Via Antonio Gramsci, 36 - 21057 Olgiate Olona (VA) - Italy	Manufacturing of open-die forgings. Machining. Heat Treatment. (IAF 17)



MANAGEMENT SYSTEM CERTIFICATE

Certificate no.:
10000353012-MSC-ACCREDIA-ITA

Initial certification date:
20 July 2020

Valid:
20 July 2023 – 19 July 2026

This is to certify that the management system of



VIAR S.p.A. – GRUPPO VIAR

Via del Saliccio, 11/a, Quinzano – 21040 Sumirago (VA) – Italy

and the sites as mentioned in the appendix accompanying this certificate

has been found to conform to the Environmental Management System standard:
ISO 14001:2015

This certificate is valid for the following scope:

Design, manufacturing and marketing of integrally reinforced outlet branch fittings, flanges, compact flanges, clamp connectors, forged and special fittings in carbon steel, alloy steel, stainless steel and superalloys, nickel alloys, duplex and super duplex, by heat treatment, final machining, welding/cladding, testing, Non destructive examination and Hydrotest of the products referenced in the scope (IAF 17, 29)

Evaluated according to the requirements of Technical Regulations RT-09

Place and date:
Vimercate (MB), 07 July 2023



For the issuing office:
DNV - Business Assurance
Via Energy Park, 14
20871 Vimercate (MB) - Italy

Claudia Baroncini
Management Representative

Appendix to Certificate

VIAR S.p.A. – GRUPPO VIAR

Locations included in the certification are as follows:

Site Name	Site Address	Site Scope
VIAR S.p.A. Certificate No.: 10000353012-MSC-ACCREDIA-ITA-CC1	Via del Saliccio, 11/a, Quinzano 21040 Sumirago (VA) - Italy	Design, manufacturing and marketing of integrally reinforced outlet branch fittings, flanges, compact flanges, clamp connectors, forged and special fittings in carbon steel, alloy steel, stainless steel and superalloys, nickel alloys, duplex and super duplex, by heat treatment, final machining, welding/cladding, testing, Non destructive examination and Hydrotest (IAF 17, 29)
	Via del Lavoro, 18 21040 Jerago con Orago (VA) - Italy	Machining, welding/cladding, inspection and Non destructive examination, Hydrotest of the products referenced in the scope (IAF 17, 29)
	Via Merla, 3 23819 Primaluna (LC) - Italy	Design and Manufacturing of closed-die forgings in carbon steel, alloy steel, stainless steel, super alloy and nickel alloy, duplex and super duplex by closed-die forging. (IAF 17, 29)
	Via Puccini, 28 21010 Besnate (VA) - Italy	Machining, welding/cladding, inspection and Non destructive examination, of the products referenced in the scope (IAF 17, 29)
Forgiatura Marcora S.r.l. Certificate No.: 10000353012-MSC-ACCREDIA-ITA-CC2	Via Antonio Gramsci, 36 21057 Olgiate Olona (VA) - Italy	Design, Manufacturing and Marketing of open-die forgings in carbon steel, alloy steel, stainless steel, super alloy and nickel alloy, duplex and super duplex by open die forging heat treatment and final machining processes. (IAF 17, 29)

MANAGEMENT SYSTEM CERTIFICATE

Certificate no.:
10000353067-MSC-ACCREDIA-ITA

Initial certification date:
09 October 2020

Valid:
10 October 2023 – 08 October 2026
Expiry date of last certification cycle:
08 October 2023
Date of last re-certification:
29 September 2023

This is to certify that the management system of



VIAR S.p.A. – Gruppo VIAR

Via del Saliccio, 11/a, Quinzano - 21040 Sumirago (VA) - Italy

and the sites as mentioned in the appendix accompanying this certificate

has been found to conform to the Occupational Health and Safety Management System standard:
ISO 45001:2018

This certificate is valid for the following scope:

Design, manufacturing and marketing of integrally reinforced outlet branch fittings, flanges, compact flanges, clamp connectors, forged and special fittings in carbon steel, alloy steel, stainless steel and superalloys, nickel alloys, duplex and super duplex, by heat treatment, final machining, welding/cladding, testing, Non destructive examination and Hydrotest of the products referenced in the scope (IAF 17, 29)

Place and date:
Vimercate (MB), 10 October 2023



For the issuing office:
DNV - Business Assurance
Via Energy Park, 14
20871 Vimercate (MB) - Italy



Claudia Baroncini
Management Representative

Appendix to Certificate

Gruppo VIAR S.p.A.

Locations included in the certification are as follows:

Site Name	Site Address	Site Scope
VIAR S.p.A. Certificato nr.: 10000353067CC1-MSC-ACCREDIA-ITA	Via del Saliccio, 11/a, Quinzano 21040 Sumirago (VA) – Italy Via del Lavoro, 18 21040 Jerago con Orago (VA) – Italy Via Merla, 3 23819 Primaluna (LC) – Italy Via Puccini, 28 21010 Besnate (VA) – Italy Via I Maggio, 8 21048 Solbiate Arno (VA) - Italy	Design, manufacturing and marketing of integrally reinforced outlet branch fittings, flanges, compact flanges, clamp connectors, forged and special fittings in carbon steel, alloy steel, stainless steel and superalloys, nickel alloys, duplex and super duplex, by heat treatment, final machining, welding/cladding, testing, Non destructive examination and Hydrotest. (IAF 17, 29)
Forgiatura Marcora S.r.l. Certificato nr.: 10000353067CC2-MSC-ACCREDIA-ITA	Via Antonio Gramsci, 36 21057 Olgiate Olona (VA) - Italy	Design, Manufacturing and Marketing of open-die forgings in carbon steel, alloy steel, stainless steel, super alloy and nickel alloy, duplex and super duplex by open die forging heat treatment and final machining processes. (IAF 17, 29)



®

**American
Petroleum
Institute**



2018-151 | Digital

Certificate of Authority to use the Official API Monogram

License Number: 6A-0774

ORIGINAL

The American Petroleum Institute hereby grants to

VIAR S.P.A.
Via del Saliccio 11/A
Sumirago, Varese
Italy

the right to use the Official API Monogram® on manufactured products under the conditions in the official publications of the American Petroleum Institute entitled API Spec Q1® and **API-6A** and in accordance with the provisions of the License Agreement.

In all cases where the Official API Monogram is applied, the API Monogram shall be used in conjunction with this certificate number: **6A-0774**

The American Petroleum Institute reserves the right to revoke this authorization to use the Official API Monogram for any reason satisfactory to the Board of Directors of the American Petroleum Institute.

The scope of this license includes the following: Blind and Test Flanges, Adapter Spools and Spacer Spools at PSL 1, PSL 2, PSL 3

QMS Exclusions: Servicing

Effective Date: NOVEMBER 10, 2023

Expiration Date: NOVEMBER 10, 2026

To verify the authenticity of this license, go to www.api.org/compositelist.

Senior Vice President of Global Industry Services

Certificate of Authority to use the Official API Monogram

License Number: 20B-0091

ORIGINAL

The American Petroleum Institute hereby grants to

FORGIATURA MARCORA SRL

Via Antonio Gramsci 36

Olgiate Olona, Varese
Italy

the right to use the Official API Monogram® on manufactured products under the conditions in the official publications of the American Petroleum Institute entitled API Spec Q1® and **API-20B** and in accordance with the provisions of the License Agreement.

**American
Petroleum
Institute**

®

In all cases where the Official API Monogram is applied, the API Monogram shall be used in conjunction with this certificate number: **20B-0091**

The American Petroleum Institute reserves the right to revoke this authorization to use the Official API Monogram for any reason satisfactory to the Board of Directors of the American Petroleum Institute.

The scope of this license includes the following: Group 1: Carbon and Microalloyed Steels, Group 2: Low Alloy Steels at <2500 As-Forge Weight Class (lb) FSL 1, FSL 2, FSL 3, at >=2500 and <10000 As-Forge Weight Class (lb) FSL 1, FSL 2, FSL 3

QMS Exclusions: Design

Effective Date: AUGUST 27, 2024

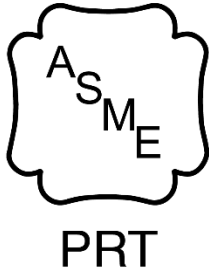
Expiration Date: AUGUST 27, 2027

Anchal Liddar

2018-151 | Digital

To verify the authenticity of this license, go to www.api.org/compositelist.

Senior Vice President of Global Industry Services



The American Society of Mechanical Engineers

CERTIFICATE OF AUTHORIZATION

The named company is authorized by The American Society of Mechanical Engineers (ASME) for the scope of activity shown below in accordance with the applicable rules of the ASME Boiler and Pressure Vessel Code. The use of the ASME Single Certification Mark and the authority granted by this Certificate of Authorization are subject to the provisions of the agreement set forth in the application. Any construction stamped with the ASME Single Certification Mark shall have been built strictly in accordance with the provisions of the ASME Boiler and Pressure Vessel Code.

COMPANY:

**VIAR S.P.A.
VIA DEL SALICCIO, 11/A
SUMIRAGO (VARESE) 21040
Italy**

SCOPE:

**Fabrication of parts without design responsibility for
ASME Section VIII, Div. 1 at the above location only**

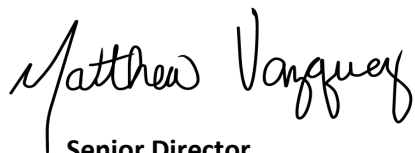
AUTHORIZED: February 15, 2025

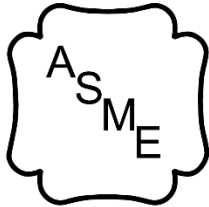
EXPIRES: February 15, 2028

CERTIFICATE NUMBER: 59974


**Board Chair,
Conformity Assessment**




**Senior Director,
Engineering Operations**



PRT

The American Society of Mechanical Engineers

CERTIFICATE OF AUTHORIZATION

The named company is authorized by The American Society of Mechanical Engineers (ASME) for the scope of activity shown below in accordance with the applicable rules of the ASME Boiler and Pressure Vessel Code. The use of the ASME Single Certification Mark and the authority granted by this Certificate of Authorization are subject to the provisions of the agreement set forth in the application. Any construction stamped with the ASME Single Certification Mark shall have been built strictly in accordance with the provisions of the ASME Boiler and Pressure Vessel Code.

COMPANY:

VIAR S.P.A.
VIA DEL SALICCIO, 11/A
SUMIRAGO (VARESE) 21040
Italy

SCOPE:

**Fabrication of parts without design responsibility for
ASME Section VIII, Div. 2 at the above location only**

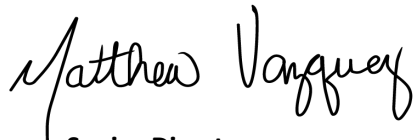
AUTHORIZED: **February 15, 2025**

EXPIRES: **February 15, 2028**

CERTIFICATE NUMBER: **59975**


Board Chair,
Conformity Assessment




Senior Director,
Engineering Operations



CERTIFICATE NUMBER
FOR-T2293200

ISSUING OFFICE
Singapore Materials

CERTIFICATE OF FORGING FACILITY AND PROCESS APPROVAL

This is to certify that a representative of ABS did, at the request of

FORGIATURA MARCORA SRL

VIA 36, OLGiate OLONA (VA), Italy, 21057

attend its facilities as indicated in the ABS Genoa Port port office survey report number 5291995 dated 11 August 2022 in order to carry out a survey of the facilities and associated quality procedures. The facility is considered capable of manufacturing

Stainless Steel Forging and Steel Forging components for marine applications

in accordance with the ABS Approval letter (Reference T2293200), ABS Rules, designated standards and ABS approved drawings. The approval is valid till 20 September 2027 subject to adherence to relevant ABS Rules, Survey requirements and annual endorsement by an ABS representative.

Marcus Cridland
Chief Metallurgist, ABS

ISSUE DATE: 11 August 2022

EXPIRY DATE: 20 September 2027

FIRST ANNUAL
ENDORSEMENT: (7)

SECOND ANNUAL
ENDORSEMENT:

THIRD ANNUAL
ENDORSEMENT:

FOURTH ANNUAL
ENDORSEMENT:





Marine & Offshore

Certificate number: SMS.W.II./97670/02/B.0

www.veristar.com

RECOGNITION FOR BV MODE II SCHEME

VIAR SPA
SUMIRAGO (VA) - ITALY

Summary of the range of the recognition which is detailed in the subsequent page(s):

Design and manufacture of integrally reinforced outlet branch fittings, flanges, compact flanges, clamp connectors, forged and special fittings in carbon steel, alloy steel, stainless steel and exotic alloy.

This certificate is issued to attest that Bureau Veritas Marine & Offshore has performed, at the above company's request and in compliance with the requirements of NR320, a satisfactory assessment of the manufacturing facilities and associated quality procedures related to the range of the recognition.

This certificate will expire on: 27 May 2026

For BUREAU VERITAS,
At BV VENEZIA, on 05 Jun 2022,
Sandro BRUSEGAN

This certificate was created electronically and is valid without signature



This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with. This certificate is issued within the scope of the General Conditions of Bureau Veritas Marine & Offshore available on the internet site www.veristar.com. Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against Bureau Veritas Marine & Offshore for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.

The electronic version is available at: <https://www.veristarnb.com/veristarnb/jsp/viewPublicPdfRecognition.jsp?id=fynnsoiqin>

BV Mod. Ad.E 697 June 2017

This certificate consists of 2 page(s)

THE SCHEDULE OF RECOGNITION

1. RANGE OF THE RECOGNITION

The products corresponding to the categories listed in the table below are to be certified individually or per batch by Bureau Veritas Marine & Offshore in compliance with the applicable requirements (IBV products as defined in NR320).

Generic product	Description
FLANGE	
PIPE / TUBE AND FITTINGS	Design and manufacture of integrally reinforced outlet branch fittings, flanges, compact flanges, clamp connectors, forged and special fittings in carbon steel, alloy steel, stainless steel and exotic alloy

2. LIMITATIONS

The certificates listed in the range of recognition are to be valid, as applicable.

Bureau Veritas Marine & Offshore is to be informed immediately of any modification to manufacturing facilities and associated quality procedures in order to agree on appropriate actions.

VIAR SPA has to apply for the periodical audits as agreed with Bureau Veritas Marine & Offshore.

3. PERIMETER OF CERTIFICATION

Quality system of following site(s) has been assessed:

VIAR SPA - SUMIRAGO (VA) - ITALY

4. REMARKS

Next audit due at expiry date of this certificate

***** END OF CERTIFICATE *****



Marine & Offshore

Certificate number: SMS.W.II./13672/03/B.0

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RECOGNITION FOR BV MODE II SCHEME

FORGIATURA MARCORA SRL
Olgiate Olona (VA) - ITALY

Summary of the range of the recognition which is detailed in the subsequent page(s):

Manufacturing of forgings in carbon, carbon-manganese, alloy, low alloy & stainless (austenitic and ferritic-austenitic) steel forgings.

This certificate is issued to attest that Bureau Veritas Marine & Offshore has performed, at the above company's request and in compliance with the requirements of NR320, a satisfactory assessment of the manufacturing facilities and associated quality procedures related to the range of the recognition.

This certificate will expire on: 29 May 2027

For BUREAU VERITAS,
At BV NAPOLI, on 08 Jun 2023,
Sandro BRUSEGAN

This certificate was created electronically and is valid without signature



This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with. This certificate is issued within the scope of the General Conditions of Bureau Veritas Marine & Offshore available on the internet site www.veristar.com. Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against Bureau Veritas Marine & Offshore for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.

THE SCHEDULE OF RECOGNITION

1. RANGE OF THE RECOGNITION

The products listed in the table below are to be certified individually or per batch by Bureau Veritas Marine & Offshore in compliance with the applicable requirements (IBV products as defined in NR320).

App. number	Validity date	Item designation	Trade name
42200/B0 BV	03 Dec 2025	STEEL FORGINGS - 8153I	Carbon, carbon-manganese, alloy, low alloy & stainless (austenitic and ferritic-austenitic) steels forgings

The products corresponding to the categories listed in the table below are to be certified individually or per batch by Bureau Veritas Marine & Offshore in compliance with the applicable requirements (IBV products as defined in NR320).

Generic product	Description
FORGING	Manufacturing of forgings in carbon, carbon-manganese, alloy, low alloy & stainless (austenitic and ferritic-austenitic) steel forgings.

2. LIMITATIONS

The certificates listed in the range of recognition are to be valid, as applicable.

Bureau Veritas Marine & Offshore is to be informed immediately of any modification to manufacturing facilities and associated quality procedures in order to agree on appropriate actions.

FORGIATURA MARCORA SRL has to apply for the periodical audits as agreed with Bureau Veritas Marine & Offshore.

3. PERIMETER OF CERTIFICATION

Quality system of following site(s) has been assessed:

FORGIATURA MARCORA SRL - Olgiate Olona (VA) - ITALY

4. REMARKS

Next audit at expiry date of this certificate.

*** END OF CERTIFICATE ***



Certificate number: 42200/C0 BV

File number: MAT 13672-2015

Product code: 8153I

This certificate is not valid when presented without the full attached schedule composed of 7 sections

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APPROVAL CERTIFICATE for MATERIALS

This certificate is issued to

FORGIATURA MARCORA SRL

Olgiate Olona (VA) - ITALY

for the type of product

STEEL FORGINGS

Carbon, carbon-manganese, alloy, low alloy & stainless (austenitic and ferritic-austenitic) steels forgings

Requirements:

Bureau Veritas Rules on Materials and Welding for the Classification of Marine Units

This certificate is issued to attest that Bureau Veritas Marine & Offshore did undertake the relevant approval procedures for the product identified above which was found to comply with the relevant requirements mentioned above.

This certificate is a renewal of certificate N° 42200/B0 BV expiring on 03/12/2025

This certificate will expire on: 03 Dec 2030

For Bureau Veritas Marine & Offshore,

At BV NAPOLI, on 17 Nov 2025,

Alessandro Asborno

This certificate was created electronically and is valid without signature



This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with Bureau Veritas Marine & Offshore. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply. This certificate is issued within the scope of the General Conditions of Bureau Veritas Marine & Offshore available on the internet site www.veristar.com. Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against Bureau Veritas Marine & Offshore for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.

THE SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION :

Forgings for marine applications such as bonnet, raw body, etc.

Type of steel	Typical tested grades	Max. Weight
Carbon steels Carbon-manganese steels	FC560 according to BV NR 216 (500 kg) LF2 according to ASTM A350M - Modified	Weight up to 12000 kg
Alloy & Low-alloy steels	AISI 8630 80K according to MS-206 Rev.07 F60 Mod. based on ASTM A694	Weight up to 12000 kg
Austenitic stainless steel	F304L according to ASTM A182	Weight up to 3200 kg
Austenitic-ferritic stainless steel	F55 according to ASTM A182 F51 according to UNS S31803	Weight up to 1000 kg

Forgings are made from blooms, billets and ingots. Open die forging by press; heat treatment as applicable.

2. DOCUMENTS AND DRAWINGS :

2.1 - Documents issued by Forgiatura Marcora S.R.L.:

- Manufacturing process specifications Ref.MPS Fm 05/15 Rev.01 dated 09/02/2015 for grade LF2; Ref.MPS Fm 152/14 Rev.04 dated 23/01/2015 for grade F60; Ref.MPS Fm 10/15 Rev.01 dated 03/04/2015 for grade FC560;
- Certificates for grade AISI 8630 80K: Ref.1400346-AC & 1400346-AC dated 07/06/2014; Ref.1400346-TT & 1400347-TT, Ref.1400346-DUR & 1400346-DUR, Ref.1400346-UT & Ref.1400347-UT, Ref.1400346-MT & 1400347-MT dated 07/06/2014; Ref.1400347-PM dated 30/05/2014; Ref.14/1440RP03 dated 23/06/2014; Ref.N.AB58 dated 22/06/2015.
- "Manufacturer information" dated Sept. 2020.
- "NDT procedures" dated Sept.2020.

3. TEST REPORTS :

3.1 - Documents issued by Forgiatura Marcora S.R.L.:

- Inspection certificates attached to Conformity certificates: Ref.1500081-CC dated 05/05/2015 for grade LF2; Ref.1401485-CC dated 16/02/2015 for grade F60; Ref.1500142-CC dated 08/05/2015 for grade FC560; Ref.1400346-CC, Ref.1400346-TT, Ref.1400346-DUR, Ref.1400347-CC, Ref.1400346-UT, Ref.1400347-UT, Ref.1400347-MT dated 07/06/2014, Ref.1400347-PM dated 30/05/2014, Ref.14/1440RP03 dated 23/06/2014 issued by Quality control S.r.l.
- "Stainless steels F304L - TEST REPORTS", "Stainless steels F51-TEST REPORTS", "Stainless steels F55 - TEST REPORTS", "Report 2201476 - 304L", dated 24 April 2020
- "Alloy&LowAlloySteels AISI 8630 - TEST REPORTS", "Carbon-Carbon Manganese Steels LF2 - TEST REPORTS", "Alloy&LowAlloySteels F60-TEST REPORTS", "Alloy&LowAlloySteels F60- upper weight - TEST REPORTS", dated 29 May 2020.

4. APPLICATION / LIMITATION :

- 4.1 - As per Bureau Veritas Rules on Materials and Welding for the Classification of Marine Units.
- 4.2 - Chemical composition and mechanical properties requirements are to be as per Bureau Veritas Rules on Materials and Welding for the Classification of Marine Units, and/or alternative specification mentioned on reviewed drawings, as applicable.
- 4.3 - Semi-finished products are to be supplied by Rubiera Special Steel S.P.A. or other steelmakers approved by the Society.

5. PRODUCTION SURVEY REQUIREMENTS :

- 5.1 - The steel forgings are to be supplied by Forgiatura Marcora S.R.L. in compliance with the type and the requirements described in this certificate.
- 5.2 - This type of product is within the category IBV of Bureau Veritas Rule Note NR320.
- 5.3 - BV product certificate is required.
- 5.4 - Semi-finished products used to manufacture forgings are to be supplied with works certificates (W).
- 5.5 - For information, Forgiatura Marcora S.R.L. has declared to Bureau Veritas the following production site:

Forgiatura Marcora S.R.L.
Via A. Gramsci, 36
21057 Olgiate Olona (VA)
ITALY

6. MARKING OF PRODUCT :

- 6.1 - Each steel forging that has been tested with satisfactory results are to be marked with the following information:
- Manufacturer's name or trademark
- Bureau Veritas' Mark
- Identification marking enabling traceability, such as cast number, heat number, or batch number

- Material grade and classification
 - Additional markings where applicable, such as test pressure or specific inspection references
- Additional marking requirements specific to steel forgings shall be in accordance with the “Marking” article in the relevant section of Bureau Veritas NR216 Rules on Materials and Welding for the Classification of Marine Units.

7. OTHERS :

7.1 - It is Forgiatura Marcora S.R.L.'s responsibility to inform shipbuilders or their sub-contractors of the proper methods of fitting, use and general maintenance of the approved equipment and the conditions of this approval.

7.2 - This certificate supersedes the Type Approval Certificate N° 42200/B0 BV issued by the Society.

***** END OF CERTIFICATE *****



中国船级社
CHINA CLASSIFICATION SOCIETY
工厂认可证书

证书编号/Certificate No.
ML23PWA00004

CERTIFICATE OF WORKS APPROVAL

兹证明本证书所述制造厂具备按照下列标准的要求生产本证书所列产品的能力和条件。

This is to certify that the manufacturer stated in the certificate meets the requirements of the standards listed below and is available with the ability and conditions to produce the products described in the certificate.

制造厂/Manufacturer

VIAR S.p.A.

地址/Address

Via del Saliccio, 11/A 21040 - Sumirago (VA) Italy

产品名称/Product

锻钢件
Steel Forgings

认可标准/Approval Standard

1. 中国船级社《材料与焊接规范》（2023）及其变更通告第1篇第5章
Chapter 5, Part One of China Classification Society Rules for Materials and Welding 2023 and its Change Notices

用于/Intended for

船舶/Ships

产品明细/Product Description

锻钢件/Steel Forgings (M0001)

名称/Name	属性（值）/Value	单位/Unit
产品名称/Product Name	详见附页 See additional page	
表面状态/Surface Machining	详见附页 See additional page	
热处理/Heat Treatment	详见附页 See additional page	
最大重量/Maximum Weight	详见附页 See additional page	
锻造方式/Forging Method	详见附页 See additional page	
最大尺寸/Max. Size	详见附页 See additional page	
钢材种类/Steel Type	详见附页 See additional page	

批准的图纸/Approved Drawings

图纸批准号/ Drawings Approval No. : ML23PWA00004

产品认可试验报告/ Approval Test Report

证书有效期至/This Certificate is valid until 2027年12月27日/ Dec. 27,2027

发证机构 中国船级社 办事处
Issued by CCS WAFR Office

签发日期 2023年12月28日
Date Dec. 28,2023

本证书根据中国船级社规范和相关规定签发。所有证书页为一个整体，必须同时使用。纸质证书每页均须由本社盖章方为有效，电子证书含数字签名方为有效，本证书复印件无效。任何单位和个人均不应摘录或节选本证书的部分内容。有关方对所持证书的真实性有疑问时，可以向本社检验机构咨询。This Certificate is issued pursuant to the Rules of the Society and related regulation. All pages of the certificate are taken as a whole and are used simultaneously. No paper certificate page is valid without bearing the stamp of the Society, no electronic certificates is valid without the digital signature, and no copied form of the certificate is regarded as valid. Any part of the certificate is not to be extracted or abridged by any unit or individual in any form. Related parties who are doubted about the authenticity of the certificate may inquire of the Society or its offices.

Form No: W01.

联系方式/Contact Us, 见本社官方网站/See official web site of the Society (<http://www.ccs.org.cn>)



UTN:P023-62755810

试验报告编号/ Test Report No. : 4500828503 MRB 002
试验报告日期/ Test Report Date : 2018-08-08

试验报告编号/ Test Report No. : 1500081-CC
试验报告日期/ Test Report Date : 2015-05-05

试验报告编号/ Test Report No. : PO 001.33005.002009
试验报告日期/ Test Report Date : 2018-06-27

试验报告编号/ Test Report No. : 1401485-CC
试验报告日期/ Test Report Date : 2015-02-16

试验报告编号/ Test Report No. : 1500142 AC
试验报告日期/ Test Report Date : 2015-04-20

试验报告编号/ Test Report No. : 0013-CC AC
试验报告日期/ Test Report Date : 2012-03-02

试验报告编号/ Test Report No. : MRB-013-16-00
试验报告日期/ Test Report Date : 2017-08-09

试验报告编号/ Test Report No. : MPQR 17-706-1 (MPQ09-17)
试验报告日期/ Test Report Date : 2018-07-03

试验报告编号/ Test Report No. : DV 1143-43-V
试验报告日期/ Test Report Date : 2023-04-14

试验报告编号/ Test Report No. : 19-516-1 CC
试验报告日期/ Test Report Date : 2020-02-04

试验报告编号/ Test Report No. : 20-108-6 CC
试验报告日期/ Test Report Date : 2020-09-08

试验报告编号/ Test Report No. : PO 68096 ITEM10
试验报告日期/ Test Report Date : 2018-05-24

试验报告编号/ Test Report No. : 20-011-2 CC
试验报告日期/ Test Report Date : 2020-04-24

认可后的产品检验方式/Method of Product Inspection after Approval

按规范认可后应进行产品检验的产品/The product should be inspected in term of the rules:

认可后的产品检验应由本社验船师根据本社规范规定按批准的产品检验计划进行检验, 经检验合格后由本社颁发船用产品证书。

After approval, product inspection should be carried out by the Surveyor of the Society in accordance with the approved product inspection scheme, and the Marine Product Certificate will be issued by the Society upon satisfactory inspection.

认可保持条件/Maintenance Requirements of Approval

1. 工厂认可后, 如果图纸、技术文件、工艺规程有较大改变, 应征得本社同意。若改变涉及或影响到产品的设计、主要制造材料、关键工艺或产品的特性、特征, 则与特性有关的图纸和技术文件应经过本社审批, 并在检验机构认为必要时, 经本社检验人员到厂进行检查和见证有关试验, 其结果应能证实仍符合认可条件。

After works approval, if there are any major changes to the drawings, technical documents, specifications, prior consent should be obtained from the survey office of the Society. If the changes involve or affect product design, major construction materials, key workmanship or product characteristics and properties, drawings and technical documents related to properties are to be examined and approved by the Society and, where deemed necessary by the survey office, the surveyor to the Society will go to the manufacturer to inspect or witness relevant tests and the results of the tests should be able to demonstrate compliance with the approval conditions

2. 工厂的质量管理体系应保持有效运行, 并且与认可时一致。如果质量管理体系发生改变, 应经原体系认证机构审核并报本社批准。

The quality management system of the factory shall be ensure effective operation, and shall be the same as the situation of approval. If there are any changes to the quality management system, auditing of

the original certification organization for quality management system and the society's approval shall be obtained.

3. 工厂认可证书获得者应接受本社每年一次的定期审核，定期审核日为认可证书期满之日对应的每一周年日，检查工作应在定期审核日的前后三个月内进行。Those who have obtained the certificate of works approval shall receive periodical audit done by the Society on an annual basis. The date of periodical audit shall be each anniversary date which corresponds to the date of expiry of the relevant certificate and the periodical audit shall be done within a time span of three months before and after the annual surveillance date.

4. 在认可证书有效期内，本社检验人员可在未经事先通知的情况下对工厂的产品制造过程进行审核，以验证产品的生产是否符合业经本社批准的图纸和文件。工厂应予以配合。

Within the validity of the approval certificate, the surveyor to the Society may pay unannounced audit to the manufacturing process of the product in order to confirm whether it is in compliance with the drawings and documents approved by the Society. The factory should provide an active cooperation and necessary for the surveyor.

5. 认可证书有效期内，如果出现可能导致本社暂停或撤消认可的情况，工厂应及时采取有效的纠正措施。

Within the validity of the approval certificate, if cases occur that may cause the Society to suspend or withdraw the certificate, the manufacturer should take corrective actions in a prompt and effective manner.

中国船级社米兰办事处

CCS Milan Office

注：本证书含有附页，共1页

Note: The certificate is attached with additional 1 page(s)

产品明细/ Product Description

产品类别 Type of product	钢材种类 Steel type	最大尺寸 Maximum size	最大重量 Max. weight (kg)	锻造方式 Forging method	交货状态 delivery state	热处理 Heat treatment
船体结构用锻钢件 FORGINGS FOR HULL STRUCTURES 轴系与机械结构用锻 钢件FORGINGS FOR SHAFTING AND MACHINERY STRUCTURES 齿轮锻钢件FORGINGS FOR GEARING 锅炉压力容器与管系 FORGINGS FOR BOILERS, PRESSURE VESSELS AND PIPINGSYSTEMS 低温韧性锻钢件 STEEL FORGINGS FOR LOW TEMPERATURE SERVICE	碳钢和碳锰钢 Carbon steel and Carbon- Manganese steel	Parts Max diameter/thickness: 1300mm; max length 11 m	11000	自由锻造 Free Forging	毛坯，粗加工 ，精加工 Black, rough machined, final machined	正火 Normalized 正火+回火 Normalized+ Tempered 调质 Quenched and Tempered
	合金钢 Alloy steel		11000			
	Typical grade ASTM A182 F316/F316L, F304/F304L, F51, F53, F55, 17. 4PH		8000			固溶处理 Solution treated

CERTIFICATE OF QUALIFICATION

Certificate No:
COQ000000W
Revision No:
1

This is to certify:

That

Viar S.p.a.
Sumirago, VA, Italy

is a qualified manufacturer of:

Steel forgings for subsea applications

in accordance with

DNV-RP-B202 and DNV-SE-0241 Module A

and the following particulars:

Reference documents:

Assessment report no.:	448616 rev. 0
Audit report no.:	559308 rev. 1
Reassessment report no.:	2024-3147 rev. 0

Manufacturing procedure qualification in accordance with DNV-RP-B202 sec. 4 is required for steel forging class 2 and 3.

Issued at **Høvik** on **2025-01-27**

This Certificate is valid until **2029-11-07**

Material specialist: **Fredrik Rosenqvist**



for DNV

This document has been digitally signed and will
therefore not have handwritten signature

Sondre Løken
Head of Section – Materials Advisory

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.

CERTIFICATE OF QUALIFICATION

This is to certify:

That

Viar S.p.a.

Sumirago, VA, Italy

is a qualified manufacturer of:

Steel forgings for subsea applications

in accordance with

DNVGL-RP-B202 and DNVGL-SE-0241 Module B

and the following particulars:

Steel forging class	3
Material grade	ASTM A694 F65
Specified minimum yield strength	450 MPa
Critical thickness	61 mm
Charpy V-Notch impact test temperature	-30 °C

Reference documents:

Manufacturing procedure qualification record no.: 1 rev. 01 and 2 rev. 01.

Qualification of manufacturer in accordance with DNVGL-RP-B202 sec. 3 is required in addition to this certificate.

Issued at **Høvik** on **2020-04-21**

for **DNV GL**

Material specialist: **Morten Ro Helsem**

Hanne Anita Hjerpetjønn
Head of Section





APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:
AMMM00002J3
Revision No:
1

This is to certify:

That

Forgiatura Marcora S.r.l.

**Via A. Gramsci, 36, 21057 Olgiate Olona, VA,
Italy**

is an approved manufacturer of
Steel Forgings

in accordance with

DNV rules for classification – Ships
DNV-OS-B101 – Metallic materials

and the following particulars:

Application area	Forgings for hull structures and equipment Forgings for shafting and machinery Forgings for boilers, pressure vessels and piping systems Stainless steel forgings
Steel type	Carbon and carbon-manganese, Alloy, Austenitic stainless
Forging method	Open die forging
Max. weight	See page 2
Heat treatment condition	See page 2
Additional approval conditions	See page 2

Manufacturer(s) approved by this certificate is/are accepted to deliver according to DNV GL, DNV and GL rules.
Materials to be applied to DNV classed object shall fulfill the material requirements in the applicable DNV class rules.

Issued at **Hamburg** on **2022-06-15**

for **DNV**

This Certificate is valid until **2025-06-30**.

DNV local station: **Italy/Malta CMC**

Approval Engineer: **Andreas Koch**

.....
Thorsten Lohmann
Head of Section

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.



Form code: AM 311

Revision: 2021-03

www.dnv.com

Page 1 of 2

Particulars of the approval

Forgings for hull structures and equipment

Steel type	Grade ³⁾	Forging method ¹⁾	Max. weight [kg]	Heat treatment condition ²⁾
C and C-Mn	NV F400UW, NV F440UW, NV F480UW, NV F520UW, NV F560UW, NV F600UW	OD	7 000	N, NT, QT
Alloy	NV F550AW, NV F600AW, NV F650AW	OD	7 000	QT

Forgings for shafting and machinery

Steel type	Grade ³⁾	Forging method ¹⁾	Max. weight [kg]	Heat treatment condition ²⁾
C and C-Mn	NV F400U, NV F440U, NV F480U, NV F520U, NV F560U, NV F600U, NV F640U, NV F680U, NV F720U, NV F760U	OD	7 000	N, NT, QT
Alloy	NV F600A, NV F700A, NV F800A, NV F900A, NV F1000A, NV F1100A	OD	7 000	QT

Forgings for boilers, pressure vessels and piping systems

Steel type	Grade ³⁾	Forging method ¹⁾	Max. weight [kg]	Heat treatment condition ²⁾
C and C-Mn	NV F450H, NV F490H	OD	7 000	N, NT, QT
Alloy	NV F0.5Mo, NV F1Cr0.5Mo	OD	7 000	N, NT, QT
	NV F2.25Cr1Mo	OD	7 000	N, QT

Stainless steel forgings

Steel type / grade ⁴⁾	Forging method ¹⁾	Max. weight [kg]	Heat treatment condition ²⁾
Austenitic stainless	OD	3 000	SHT

Remarks:

- ¹⁾ OD: Open die forging
- ²⁾ QT: Quenched and tempered; N: Normalized; NT: Normalized and tempered; SHT: Solution Heat Treated (Solution Annealing)
- ³⁾ Incl. equivalent grades in acc. to other standards
- ⁴⁾ Stainless steel forgings shall be in accordance with recognized standards, e.g. EN 10222, ASTM A473/A965/A1049 and JIS G 3214, provided that supplementary requirements contained herein are also met. Recognition of other standards is subject to submission to the Society for evaluation.

Additional approval conditions:

Including austenitic stainless grades for approved low-temperature applications

Heat treatment is subcontracted to VIAR Spa, Via Del Salicchio, 11/A, 21040 Sumirago (VA) Italy, Italy



ЕВРАЗИЙСКИЙ ЭКОНОМИЧЕСКИЙ СОЮЗ ДЕКЛАРАЦИЯ О СООТВЕТСТВИИ



Заявитель, ОБЩЕСТВО С ОГРАНИЧЕННОЙ ОТВЕТСТВЕННОСТЬЮ "РУСТАНДАРТ",
ОГРН: 1117746640736

Место нахождения: РОССИЯ, 127322, город Москва, ул. Милашенкова, дом 1, кв. 68

Адрес места осуществления деятельности: РОССИЯ, 124482, г. Москва, г. Зеленоград,
Савелкинский пр-д, д.4, оф. 2612, **телефон:** +74956100925, **E-mail:** info@rustandard.com

в лице генерального директора Малунцева Романа Викторовича

заявляет, что Элементы и комплектующие оборудования 1-й и 2-й категории для рабочих сред 1 и 2 группы (газы, пары и жидкости): ответвления (бобышки, врезки, штуцеры) стальные приварные марки «VIAR-ITALY» для технологических трубопроводов высокого давления по ASME B31.1, ASME B31.3, ASME B31.4, ASME B31.8, согласно приложению № 1 на 3 листах. Расшифровка условного обозначения изделий приведена в дополнительной информации.

изготовитель VIAR S.P.A.

Место нахождения: ИТАЛИЯ, via Del Saliccio, 11/A - 21040 Sumirago (VA)

Продукция выпускается в соответствии с нормативной документацией согласно приложению № 1 на 3 листах.

Код ТН ВЭД ЕАЭС 7307

Серийный выпуск

соответствует требованиям

ТР ТС 032/2013 "О безопасности оборудования, работающего под избыточным давлением"

Декларация о соответствии принята на основании

Протоколы испытаний №№ 94, 95, 97, 99 от 01.02.2016, выданы ИЦ ПК "Сертис-М" (KZ.И.05.0172), договор об обеспечении соответствия продукции № М-49 от 06.07.2018.

Схема декларирования: 3д

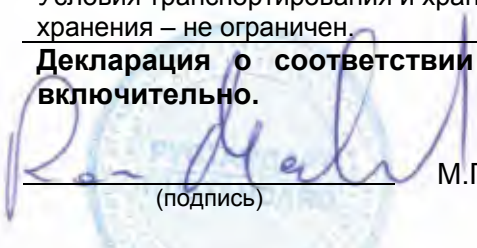
Дополнительная информация

Соответствие ответвлений обеспечивается путем непосредственного выполнения требований ТР ТС 032/2013 «О безопасности оборудования, работающего под избыточным давлением». Для определения категории оборудования, в составе которого используются ответвления, руководствоваться таблицами, приведенными в приложении № 1 к ТР ТС 032/2013.

Расшифровка условного обозначения: VIAR ITALY 10"x1" STD SA/A105N H.XXXXXX SP97, где - VIAR ITALY - товарный знак предприятия-изготовителя, 10"x1" - условный диаметр основной трубы и ответвления, STD/XS/160 & XXS - типоразмер толщины стенки и/или 150/300/600/900/1500/2500 - класс давления ответвления, SA/A105N - обозначение материала, H.XXXXXX - номер плавки, SP97, ASME, ANSI и т.п. - НД на изделие, при наличии.

Условия транспортирования и хранения согласно рекомендациям предприятия-изготовителя. Срок хранения – не ограничен.

Декларация о соответствии действительна с даты регистрации по 31.10.2026 включительно.


(подпись) М.П.

Малунцев Роман Викторович
(Ф.И.О. заявителя)

Регистрационный номер декларации о соответствии: ЕАЭС N RU Д-ИТ.РА02.В.23853/21

Дата регистрации декларации о соответствии: 01.11.2021

ЕВРАЗИЙСКИЙ ЭКОНОМИЧЕСКИЙ СОЮЗ

ПРИЛОЖЕНИЕ № 1 лист 1

К ДЕКЛАРАЦИИ О СООТВЕТСТВИИ № ЕАЭС N RU Д-ИТ.РА02.В.23853/21



Перечень продукции, на которую распространяется действие декларации о соответствии

Код ТН ВЭД ЕАЭС	Наименование, типы, марки, модели однородной продукции, составные части изделия или комплекса	Обозначение документации, по которой выпускается продукция
7307	Врезка/бобышка VIAR WELD (под приварку встык ASME B16.25, NPS > 1"..."24", STD/XS/160 & XXS), пример условного обозначения: VIAR ITALY 10"x1" STD SA/A105N H.XXXXXX SP97	MSS-SP 97 Integrally Reinforced Forged Branch Outlet Fittings – Socket Welding, Threaded, and Buttwelding Ends (Стандартная спецификация для цельно усиленных кованых ответвительных фитингов под приварку встык, внахлест или с резьбой)
7307	Врезка/бобышка VIAR SOCK (под приварку внахлест ASME B16.11, NPS > 1"..."4", CLASS 3000/6000/9000), пример условного обозначения: VIAR ITALY 10"x1" 3000 SA/A182 F316/F316L H.XXXXXX SP97	
7307	Врезка/бобышка VIAR THREAD (с внутренней резьбой по ASME B1.20.1, NPS > 1"..."4", CLASS 3000/6000/9000), пример условного обозначения: VIAR ITALY 10"x1"3000 SA/A182 F91 H.XXXXXX SP97	
7307	Врезка/бобышка VIAR ELB (90 град., под приварку встык ASME B16.25, внахлест ASME B16.11 или с внутренней резьбой по ASME B1.20.1, NPS > 1"..."2", BW: STD/XS/160 & XXS, SW & NPT: 3000/6000/9000), пример условного обозначения: VIAR ITALY 10"x1" STD SA/A350 LF2 CL.1 H.XXXXXX SP97	
7307	Врезка/бобышка VIAR LAT (45 град., под приварку встык ASME B16.25, внахлест ASME B16.11 или с внутренней резьбой по ASME B1.20.1, NPS > 1"..."2", BW: STD/XS/160 & XXS, SW & NPT: 3000/6000/9000), пример условного обозначения: VIAR ITALY 10"x1" 3000 SA/A105N H.XXXXXX SP97	
7307	Врезка/бобышка VIAR NIP (удлиненная, под приварку встык ASME B16.25, внахлест ASME B16.11, с наружной резьбой по ASME B1.20.1 или без разделки кромки, NPS > 1"..."2" SW, PE & NPT: 3000/6000/9000, BW: STD/XS/160 & XXS), пример условного обозначения: VIAR ITALY 10"x1"160	по КД изготовителя

М.П.

Заявитель

подпись

Р.В. Малунцев

инициалы, фамилия

ЕВРАЗИЙСКИЙ ЭКОНОМИЧЕСКИЙ СОЮЗ

ПРИЛОЖЕНИЕ № 1 лист 2



К ДЕКЛАРАЦИИ О СООТВЕТСТВИИ № ЕАЭС N RU Д-ИТ.РА02.В.23853/21

Перечень продукции, на которую распространяется действие декларации о соответствии

Код ТН ВЭД ЕАЭС	Наименование, типы, марки, модели однородной продукции, составные части изделия или комплекса	Обозначение документации, по которой выпускается продукция
	SA/A105N H.XXXXXX	
7307	Врезка/штуцер VIAR NIP-FLANGED (под приварку встык ASME B16.25 с резьбовым фланцем по ASME B16.5, NPS > 1"...2", CLASS 150/300/600/900/1500/2500; STD/XS/160 & XXS), пример условного обозначения: VIAR ITALY 10"x1" 160/900 SA/A182 F304/F304L H.XXXXXX	по КД изготовителя
7307	Врезка/штуцер VIAR WELD-FLANGED (под приварку встык ASME B16.25 с приварным фланцем по ASME B16.5, NPS > 1"...12", CLASS 150/300/600/900/1500/2500; STD/XS/160 & XXS), пример условного обозначения: VIAR ITALY 10"x1" 160/600 SA/A105N H.XXXXXX	по КД изготовителя
7307	Врезка/штуцер VIAR ELB-FLANGED (90 град., под приварку встык ASME B16.25 с приварным фланцем по ASME B16.5, NPS > 1"...2", CLASS 150/300/600/900/1500/2500; STD/XS/160 & XXS), пример условного обозначения: VIAR ITALY 10"x1" 160/600 SA/A105N H.XXXXXX	по КД изготовителя
7307	Врезка/штуцер VIAR LAT-FLANGED (45 град., под приварку встык ASME B16.25 с приварным фланцем по ASME B16.5, NPS > 1"...2", CLASS 150/300/600/900/1500/2500; STD/XS/160 & XXS), пример условного обозначения: VIAR ITALY 10"x1" 160/600 SA/A105N H.XXXXXX	по КД изготовителя
7307	Врезка/бобышка VIAR SWEEP (усиленная накладкой, под приварку встык ASME B16.25, NPS > 1"...60", STD/XS/160 & XXS), пример условного обозначения: VIAR ITALY 10"x1" XXS SA/A105N H.XXXXXX	по КД изготовителя
7307	Врезка/бобышка VIAR VESS 90° (усиленная накладкой, под приварку встык ASME B16.25, NPS > 1"...60", STD/XS/160 & XXS), пример условного обозначения: VIAR ITALY 10"x1" XXS	по КД изготовителя

М.П.

Заявитель

подпись

Р.В. Малунцев

инициалы, фамилия

ЕВРАЗИЙСКИЙ ЭКОНОМИЧЕСКИЙ СОЮЗ

ПРИЛОЖЕНИЕ № 1 лист 3



К ДЕКЛАРАЦИИ О СООТВЕТСТВИИ № ЕАЭС N RU Д-ИТ.РА02.В.23853/21

Перечень продукции, на которую распространяется действие декларации о соответствии

Код ТН ВЭД ЕАЭС	Наименование, типы, марки, модели однородной продукции, составные части изделия или комплекса	Обозначение документации, по которой выпускается продукция
	SA/A105N H.XXXXXX	
7307	Врезка/бобышка VIAR VESS 45° (усиленная накладкой, под приварку встык ASME B16.25, NPS > 1"...60", STD/XS/160 & XXS), пример условного обозначения: VIAR ITALY 10"x1" XXS SA/A105N H.XXXXXX	по КД изготовителя
7307	Врезка/штуцер VIAR SWEEP-FLANGED (усиленная накладкой, под приварку встык ASME B16.25 с приварным фланцем по ASME B16.5, NPS > 1"...60", CLASS 150/300/600/900/1500/2500; STD/XS/160 & XXS), пример условного обозначения: VIAR ITALY 10"x1" XXS/1500 SA/A105N H.XXXXXX	по КД изготовителя

М.П.

Заявитель

подпись

Р.В. Малунцев

инициалы, фамилия

Approval Certificate for Manufacturing Process

[Steel Forgings]



Initial Approval 12th October, 2021

Manufacturer VIAR S.p.A.

Via del Saliccio, 11/A 21040 - Sumirago (VA) Italy

Product Description Steel Forgings

- Types : Stainless steel
- Forging process : Open die forging by Forgiatura Marcora S.r.l. (*)
- Forging weight : Max. 8 000 kg

(*) Via Antonio Gramsci, 36 21057 Olgiate Olona (VA), Italy

- Approval Condition**
1. Raw Materials are to be supplied by the approved manufacturers of this Society or to be satisfactory to the Surveyor.
 2. Individual Product Certification is required.

THIS IS TO CERTIFY that the manufacturing process for the above mentioned product has been approved in accordance with the relevant requirement of this Society's Rules and / or of the recognized standards as

Pt 2, Ch 1, Art 602 of the Rules for Classification of Steel Ships.

This Certificate is valid until 11th October, 2026

Issued at Busan, Korea on 12th October, 2021



This certificate is signed electronically in accordance with IMO FAL.5/Circ.39/Rev.2. Validation and authentication of the certificate can be confirmed from "<http://e-cert.krs.co.kr>" by using the tracking No(ME21025106216) and certificate No.(MIL45048-SF001).



KOREAN REGISTER

*General Manager of
Marine & Ocean Equipment Team*

Note : 1. This certificate will be valid subject to complying with the approval conditions described on the certificate and/or on the Rules of this Society.
2. This certificate will be invalid from the expiry date aforementioned unless the extension or renewal has been granted to the applicant or the manufacturer.
3. Any significant modifications or changes in design or construction to the above product without approval from this Society will render this certificate invalid.
4. Should the specified rules, regulations or standards be amended during the validity of this certificate, the product is to be re-approved by this Society in accordance with the requirements as amended.



Approved Manufacturer of Steel Forgings

Manufacturer **Forgiatura Marcora Srl**

Address Via Gramsci 36 - Fraz. Buon Gesu', Olgiate Olona Va, 21057, Italy

Type Steel Forgings

This approval is subject to compliance with the Rules for the Manufacture, Testing and Certification of Materials. The full details of the processes and grades to which this approval applies are given on subsequent pages of this certificate.

This certificate is issued to the named manufacturer, and is valid until the expiry date specified. Lloyd's Register is to be notified of any change that may affect the validity of this certificate, and reserves the right to cancel or withdraw this certificate.



71 Fenchurch Street, London, EC3M 4BS, United Kingdom

Li Xu

Metallurgy Team - Lead Specialist to Lloyd's Register EMEA
A member of the Lloyd's Register group

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.



Approved Manufacturer of Steel Forgings

Steel Forgings	Forgings	Grades	Maximum Weight	Units
-	-	Alloy	8.00	Tonnes
-	-	austenitic stainless	8.00	Tonnes
-	-	Carbon	8.00	Tonnes
-	-	Carbon-manganese	8.00	Tonnes

Additional Remarks

Heat treatment is performed at VIAR SpA or in house



71 Fenchurch Street, London, EC3M 4BS, United Kingdom

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.



**CERTIFICATE OF APPROVAL OF MANUFACTURERS OF
MATERIALS**

No. FAB079925MI/001

This is to certify that the manufacture of the product identified below is in compliance with the applicable requirements of the RINA Rules for the Approval of Manufacturers of Materials.

<i>Description</i>	Forged fittings and flanges
<i>Type</i>	Austenitic and Ferritic Austenitic Stainless Steel Carbon and Low Alloy Steel (according to recognized Standard)
<i>Manufacturer</i>	VIAR SPA
<i>Place of manufacture</i>	Via del Saliccio, 11a 21040 Sumirago (VA) ITALY
<i>Reference standards</i>	RINA Rules for the approval of manufacturers of materials

Issued in **RINA Milan Marine** on **November 11, 2025**. *This Certificate is valid until* **November 8, 2030**

RINA Services S.p.A.
Giovanni Carratino

This certificate consists of this page and 1 enclosure

Firmato digitalmente da: Giovanni Carratino
Organizzazione:
RINASERVICISSPA/03487840104
Data: 11/11/2025 16:36:15

CERTIFICATE OF APPROVAL OF MANUFACTURERS OF MATERIALS

No. FAB079925MI/001

Enclosure - Page 1 of 1

**Austenitic and Ferritic Austenitic Stainless Steel
Carbon and Low Alloy Steel (according to recognized Standard)**

APPROVAL CONDITIONS

Production Range:

Forged Fittings size up to 6".

Forged Flanges size up to 24".

Heat Treatment:

Normalizing; Normalizing and Tempering; Quenching and Tempering; Stress Relieving, Annealing Solution.

Delivery Conditions:

Raw-rough final machining; Sandblasting.

Fittings and Flanges intended for construction of RINA classed ships, testings in compliance with RINA Rules Requirements recognized Standards.

General conditions for the approval

-The approval is granted on condition that the RINA Rules for the approval, manufacture, testing and certification of materials are complied with in all respects.

-RINA is to be notified of any change of materials, manufacturing process, quality control routines that may affect the validity of this certificate.

**RINA Milan Marine November 11,
2025**



**CERTIFICATE OF APPROVAL OF MANUFACTURERS OF
MATERIALS**
No. FAB011923MI/001

This is to certify that the manufacture of the product identified below is in compliance with the applicable requirements of the RINA Rules for the Approval of Manufacturers of Materials.

<i>Description</i>	Steel forgings - Max Weight 8000 Kgs
<i>Type</i>	Carbon, Carbon-Manganese Steels
<i>Manufacturer</i>	FORGIATURA MARCORA SRL
<i>Place of manufacture</i>	VIA GRAMSCI, 36 21057 Olgiate Olona (VA) ITALY
<i>Reference standards</i>	RINA Rules for the approval of manufacturers of materials

Issued in **Milano** *on* **February 24, 2023.** *This Certificate is valid until* **February 18, 2028**

RINA Services S.p.A.
Daniele Mangini

This certificate consists of this page and 1 enclosure

CERTIFICATE OF APPROVAL OF MANUFACTURERS OF MATERIALS

No. FAB011923MI/001

Enclosure - Page 1 of 1

Carbon, Carbon-Manganese Steels

APPROVAL CONDITIONS

Heat Treatment: Full annealing; Normalizing; Normalizing and Tempering; Quenching and Tempering.

Survey Condition:

all forgings to be used for construction of ship classed with RINA shall meet the requirements of the RINA Rules and shall be tested accordingly.

General conditions for the approval

-The approval is granted on condition that the RINA Rules for the approval, manufacture, testing and certification of materials are complied with in all respects.

-RINA is to be notified of any change of materials, manufacturing process, quality control routines that may affect the validity of this certificate.

Milano February 24, 2023



**CERTIFICATE OF APPROVAL OF MANUFACTURERS OF
MATERIALS**
No. **FAB011923MI/002**

This is to certify that the manufacture of the product identified below is in compliance with the applicable requirements of the RINA Rules for the Approval of Manufacturers of Materials.

<i>Description</i>	Alloy Steel Forgings - Max Weight 1100 Kgs
<i>Type</i>	Alloy Steel
<i>Manufacturer</i>	FORGIATURA MARCORA SRL
<i>Place of manufacture</i>	VIA GRAMSCI, 36 21057 Olgiate Olona (VA) ITALY
<i>Reference standards</i>	RINA Rules for the approval of manufacturers of materials

Issued in **Milano** *on* **February 24, 2023.** *This Certificate is valid until* **February 18, 2028**

RINA Services S.p.A.
Daniele Mangini

This certificate consists of this page and 1 enclosure

CERTIFICATE OF APPROVAL OF MANUFACTURERS OF MATERIALS

No. FAB011923MI/002

Enclosure - Page 1 of 1

Alloy Steel

APPROVAL CONDITIONS

Heat Treatment: Full Annealing; Normalizing; Normalizing and Tempering; Quenching and Tempering.

Survey Condition:

all forgings to be used for construction of ship classed with RINA shall meet the requirements of the RINA Rules and shall be tested accordingly.

General conditions for the approval

-The approval is granted on condition that the RINA Rules for the approval, manufacture, testing and certification of materials are complied with in all respects.

-RINA is to be notified of any change of materials, manufacturing process, quality control routines that may affect the validity of this certificate.

Milano February 24, 2023



**CERTIFICATE OF APPROVAL OF MANUFACTURERS OF
MATERIALS**
No. FAB011923MI/003

This is to certify that the manufacture of the product identified below is in compliance with the applicable requirements of the RINA Rules for the Approval of Manufacturers of Materials.

<i>Description</i>	Steel forgings
<i>Type</i>	Stainless Steel (austenitic and ferritic-austenitic)
<i>Manufacturer</i>	FORGIATURA MARCORA SRL
<i>Place of manufacture</i>	VIA GRAMSCI, 36 21057 Olgiate Olona (VA) ITALY
<i>Reference standards</i>	RINA Rules for the approval of manufacturers of materials

Issued in **Genoa** *on* **February 24, 2023.** *This Certificate is valid until* **February 18, 2028**

RINA Services S.p.A.
Daniele Mangini

This certificate consists of this page and 1 enclosure

CERTIFICATE OF APPROVAL OF MANUFACTURERS OF MATERIALS
No. FAB011923MI/003
Enclosure - Page 1 of 1
Alloy, Low Alloy & Stainless Steel (austenitic and ferritic-austenitic)

APPROVAL CONDITIONS

Austenitic Stainless Steels: max 3200 kgs

Austenitic-Ferritic Stainless Steels: max 1000 kgs

Heat Treatments: as applicable

Survey Condition:

all forgings to be used for construction of ship classed with RINA shall meet the requirements of the RINA Rules and shall be tested accordingly.

General conditions for the approval

-The approval is granted on condition that the RINA Rules for the approval, manufacture, testing and certification of materials are complied with in all respects.

-RINA is to be notified of any change of materials, manufacturing process, quality control routines that may affect the validity of this certificate.

Genoa February 24, 2023

CERTIFICATE

**The Notified Body - 0036 -
of TÜV SÜD Industrie Service GmbH**

certifies that

VIAR S.p.A.
Via del Saliccio, 11/A
IT-21040 Quinzano di Sumirago (VA)

und

FORGIATURA MARCORA S.r.l.
Via Antonio Gramsci, 36
IT-21057 Olgate Olona (VA)

has implemented, operates and maintains a

**Quality Assurance System in accordance with the
Pressure Equipment Directive 2014/68/EU, Annex I, Section 4.3,
AD 2000-Merkblatt W 0 as well as EN 764-5, Para. 4.2**

as a material manufacturer for the scope of

Design, manufacturing and marketing of derivations for pipes with integral reinforcement, flanges, compact flanges, clamped connections, forged fittings and special forged pieces in carbon steel, alloys, stainless steel and superalloys, nickel alloys, duplex and super duplex by open-die or closed-die forging, heat treatment, final machining, welding/cladding processes.

The scope of the approval is described in the annex to this certificate.
Further details are mentioned in report no. C-722325935-23.

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. Possible additional requirements - specific to applied technical specifications to meet PED Annex I - are not affected.

This certificate is valid through 2026-11-30.

In order to adhere the validity an annual surveillance audit is required.

Certificate No.: DGR-0036-QS-W 975/2021/MUC-02
Munich, January 3rd, 2024

Notified Body, Nr. 0036




(M. Strobel)



EQ3074905

TÜV SÜD Industrie Service GmbH, Westendstr. 199, 80686 Munich, Germany

ZERTIFIKAT

Die Notifizierte Stelle - Kennnummer 0036 -
der TÜV SÜD Industrie Service GmbH

bescheinigt, dass die Firmen

VIAR S.p.A.

Via del Saliccio, 11/A

IT-21040 Quinzano di Sumirago (VA)

und

FORGIATURA MARCORA S.r.l.

Via Antonio Gramsci, 36

IT-21057 Olgiate Olona (VA)

als Werkstoffhersteller für

Entwicklung und Fertigung von Zweiganschlüssen, Flanschen, Rohrverbindungen und Stutzen, geschmiedete Armaturen und Schmiedestücke aus un-, niedrig und hochlegierten Stählen, Nickellegierungen, Duplex und Sonderlegierungen als Freiform und im Gesenk geschmiedet, Wärmebehandelt, geschweißt/plattiert

**über ein zertifiziertes Qualitätsmanagementsystem
entsprechend Anhang I, Absatz 4.3 der Druckgeräte-richtlinie 2014/68/EU,
AD 2000-Merkblatt W 0 sowie EN 764-5, Absatz 4.2**

verfügt und dieses anwendet.

Der Geltungsbereich ist aus der Anlage ersichtlich.
Weitere Einzelheiten sind im Bericht Nr. C-722325935-23 genannt.

Das Unternehmen ist daher berechtigt, in Übereinstimmung mit der Druckgeräterichtlinie 2014/68/EU Bescheinigungen über spezifische Prüfungen an den Werkstoffen im o.g. Geltungsbereich auszustellen. Eventuell weitergehende Anforderungen aus den angewandten technischen Spezifikationen zur Erfüllung des Anhanges I bleiben unberührt.

Das Zertifikat ist gültig bis 30.11.2026.

Zur Aufrechterhaltung der Gültigkeit ist ein jährliches Überwachungsaudit erforderlich.

Zertifikat-Nr.: DGR-0036-QS-W 975/2021/MUC-02
München, 3. Januar 2024

Notified Body, Nr. 0036



(M. Strobel)



EQ3074905

TÜV SÜD Industrie Service GmbH, Westendstraße 199, 80 686 München, Deutschland



Industrie Service

Geltungsbereich der Überprüfung als Hersteller von Werkstoffen nach AD 2000-Merkblatt W 0
Scope of the approval - Manufacturer of material in accordance with AD 2000-Merkblatt W 0

Anlage zum Zertifikat Nr. / Annex to certificate no.
DGR-0036-QS-W 975/2021/MUC-02 von / dated 2024-01-03

Hersteller / Manufacturer:	Name: Straße/Street: Ort/City:	VIAR S.p.A. Via Del Saliccio, 11/A IT-21040 Quinzano di Sumirago (VA)	Werk / plant: Quinzano di Sumirago (VA)	Land:/ Country: IT	Datum:/ Date: rev. 0 2024-01-03	Blatt-Nr./: Page No.: 1 v. / of 5	Zertifizierungsstelle für Druckgeräte / Certification Body for pressure equipment Notifizierte Stelle, Nr. / Notified Body, No. 0036
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lfd. Nr. / No.	Werkstoffbezeichnung Werkstoff-Nr. / Material Designation Material Grade	Werkstoff- Spezifikation / Material Specification		Liefer- zustand / Delivery Conditio n Kürzel / Code	Prüfgegenstand Erzeugnisform / Description Product	Abmessungen / Dimensions				Gewicht / Weight		Prüfgrundlagen Technische Regeln / Requirements Technical Rules		Bericht Nr. / report no. C-722325935-23 vom / dated 2023-09-21-22	
		Art / Spec.	Nr. / No.			Dicke / Thickness [mm]		Durchm. / Diameter [mm]		1=t 2=kg	Wert value ↓	Art / Spec.	Nr. / No.		
						von / from	bis / to	von / from	bis / to						
1	2	3a	3b	4	5	6a	6b	7a	7b	8a	8b	9a	9b	10	
01	unlegierte Stähle / unalloyed steels	DIN DIN EN	1629 1630 10216-1	N	Zweiganschluß / branch connection		60		660			AD-2000 AD-2000	W4 W12		
	warmfeste Stähle / heat resistance steels	DIN EN	17175 10216-2	NT/QT			60		660			AD-2000 TRD AD-2000 AD-2000 AD-2000	W4 102 W12 W2 W10 W12		
	Austenite / stainless steel	DIN EN	17458 10216-5	AT			60		660						
02	unlegierte Stähle / unalloyed steels	DIN DIN EN	1629 1630 10216-1	N	innerer Zweiganschluß / insert branch connection		80		1066			AD-2000 AD-2000	W4 W12		
	Fernleitungsstähle / pipeline steel	DIN EN	17172 10208-2	N			80		1066			TRbF 301 DIN AD-2000 TRD AD-2000	TRbF 302 2470 W4 102 W12		
	warmfeste Stähle / heat resistance steels	DIN EN	17175 10216-2	N/QT			80		1066						
	Austenite / stainless steel	DIN EN	17458 10216-5	AT			80		1066			AD-2000 AD-2000 AD-2000	W2 W10 W12		

Explanation: AT = Lösungsgeglüht / solution annealed NT = Normalgeglüht und angelassen / normalized and tempererd N = Normalgeglüht / normalized S = Spannungsarmgeglüht / stress relieved TM = Thermomech. behandelt / thermo-mech. treated U = ungeglüht / not annealed
QT = vergütet / quenched and tempered CR = Temperaturgeregelt warmumgeformt / temperature controlled hot formed (controlled rolled) A = weichgeglüht / annealed AR = wie gewalzt / as rolled
a = Werkstoffbezeichnung in Spalte 10 / material designation in column 10 b = Lieferzustand in Spalte 10 / delivery condition in column 10 c = Prüfgegenstand in Spalte 10 / object in column 10
d = Abmessungen in den Techn. Regeln / dimensions acc. to technical rules e = Gewicht in den Techn. Regeln / weight acc. to technical rules f = Nr. der Techn. Regeln in Spalte 10 / technical rules reference column 10



Industrie Service

Geltungsbereich der Überprüfung als Hersteller von Werkstoffen nach AD 2000-Merkblatt W 0
Scope of the approval - Manufacturer of material in accordance with AD 2000-Merkblatt W 0

Anlage zum Zertifikat Nr. / Annex to certificate no.
DGR-0036-QS-W 975/2021/MUC-02 von / dated 2024-01-03

Hersteller / Manufacturer:	Name: Strasse/Street: Ort/City:	VIAR S.p.A. Via Del Saliccio, 11/A IT-21040 Quinzano di Sumirago (VA)	Werk / plant: Quinzano di Sumirago (VA)	Land:/ Country: IT	Datum:/ Date: rev. 0 2024-01-03	Blatt-Nr.:/ Page No.: 2 v. / of 5	Zertifizierungsstelle für Druckgeräte / Certification Body for pressure equipment Notifizierte Stelle, Nr. / Notified Body, No. 0036
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lfd. Nr. / No.	Werkstoffbezeichnung Werkstoff-Nr. / Material Designation Material Grade	Werkstoff- Spezifikation / Material Specification		Liefer- zustand / Delivery Conditio n Kürzel / Code	Prüfgegenstand Erzeugnisform / Description Product	Abmessungen / Dimensions				Gewicht / Weight		Prüfgrundlagen Technische Regeln / Requirements Technical Rules		Bericht Nr. / report no. C-722325935-23 vom / dated 2023-09-21-22
		Art / Spec.	Nr. / No.			von / from	bis / to	von / from	bis / to	1=t 2=kg ↓ Wert value		Art / Spec.	Nr. / No.	
1	2	3a	3b	4	5	6a	6b	7a	7b	8a	8b	9a	9b	Bemerkungen / Remarks 10
03	allgemeine Baustähle / unalloyed steels warmfeste Stähle ohne / heat resistance steels without 14MoV6-3 und / and X20CrMoV11-1 W, S, TStE 285	DIN EN EN	17100 10250-2 10222-2	N NT/QT	Zweiganschluß / branch connection innerer Zweiganschluß / insert branch connection Flansch / flange		60		660			AD-2000 AD-2000 AD-2000 TRD AD-2000	W13 W12 W13 107 W12	
	W, S, TStE 355	VdTÜV	352/1	N			60		660			AD-2000 TRD AD-2000 AD-2000 TRD	W13 107 W12 W13 107	
	W, S, TStE 420	VdTÜV	356/1	N			60		660			AD-2000 AD-2000 TRD AD-2000 AD-2000 TRD	W12 W13 107 W12 W13 107	
	W, S, TStE 460	VdTÜV	357/1	N			60		660			AD-2000 AD-2000 TRD AD-2000 AD-2000 AD-2000	W12 W13 107 W12 W13 W12	
	Austenite / stainless steel	DIN EN	17440 10222-5	AT			60		660			AD-2000 AD-2000 AD-2000 AD-2000	W2 W10 W12	

Explanation: AT = Lösungsgeglüht / solution annealed NT = Normalgeglüht und angelassen / normalized and tempererd N = Normalgeglüht / normalized S = Spannungsarmgeglüht / stress relieved TM = Thermomech. behandelt / thermo-mech. treated U = ungeglüht / not annealed
QT = vergütet / quenched and tempered CR = Temperaturgeregelt warmumgeformt / temperature controlled hot formed (controlled rolled) A = weichgeglüht / annealed AR = wie gewalzt / as rolled
a = Werkstoffbezeichnung in Spalte 10 / material designation in column 10 b = Lieferzustand in Spalte 10 / delivery condition in column 10 c = Prüfgegenstand in Spalte 10 / object in column 10
d = Abmessungen in den Techn. Regeln / dimensions acc. to technical rules e = Gewicht in den Techn. Regeln / weight acc. to technical rules f = Nr. der Techn. Regeln in Spalte 10 / technical rules reference column 10



Industrie Service

Geltungsbereich der Überprüfung als Hersteller von Werkstoffen nach DGRL 2014/68/EU, Anhang I, Abschnitt 4.3
Scope of the approval – Manufacturer of material in accordance with PED 2014/68/EU, Annex I, Section 4.3

Anlage zum Zertifikat Nr. / Annex to certificate no.
DGR-0036-QS-W 975/2021/MUC-02 von / dated 2024-01-03

Hersteller / Manufacturer:					Name: VIAR S.p.A. Straße/Street: Via Del Saliccio, 11/A Ort/City: IT-21040 Quinzano di Sumirago (VA)					Werk / plant: Quinzano di Sumirago (VA)					Land:/ Country: IT		Datum:/ Date: rev. 0 2024-01-03		Blatt-Nr./ Page No.: 3 v. / of 5		Zertifizierungsstelle für Druckgeräte / Certification Body for pressure equipment Notifizierte Stelle, Nr. / Notified Body, No. 0036	
lfd. Nr. / No.	Werkstoffbezeichnung / Werkstoff-Nr. / Material Designation Material Grade	Werkstoff- Spezifikation / Material Specification		Liefer- zustand / Delivery Conditio n Kürzel / Code	Prüfgegenstand Erzeugnisform / Description Product	Abmessungen / Dimensions				Gewicht / Weight		Prüfgrundlagen Technische Regeln / Requirements Technical Rules		Bericht Nr. / report no. C-722325935-23 vom / dated 2023-09-21-22								
		Art / Spec.	Nr. / No.			Dicke / Thickness [mm]		Durchm. / Diameter [mm]		1=t 2=kg ↓ Wert value	Art / Spec.	Nr. / No.	Bemerkungen / Remarks									
1	2	3a	3b	4	5	6a	6b	7a	7b	8a	8b	9a	9b	10								
01	unlegierte Stähle / unalloyed steels warmfeste Stähle / heat resistance steels Austenite / stainless steel	DIN DIN EN DIN EN	1629 1630 10216-1 17175 10216-2	N NT/QT AT	Zweiganschluß / branch connection		60 60 60		660 660 660					*) To fulfil essential safety requirements of PED Annex I, for each material acc. to non harmonised standards a Particular Material Appraisal (PMA) is mandatory.								
02	unlegierte Stähle / unalloyed steels Fernleitungsstähle / pipeline steel warmfeste Stähle / heat resistance steels Austenite / stainless steel	DIN DIN EN DIN EN DIN EN	1629 1630 10216-1 17172 10208-2 17175 10216-2	N N NT/QT AT	innerer Zweiganschluß / insert branch connection		80 80 80 80		1066 1066 1066 1066					Bei Verwendung der Werkstoffe in Spalte 2 bis 4 sind die Festlegungen und Grenzen des jeweiligen Regelwerkes zu beachten Für die spezifischen Einsatzbedingungen der Werkstoffe ist die Zustimmung des Druckgeräteherstellers bzw. der zuständigen Notifizierten Stelle erforderlich. / For the use of materials acc. to column 2 till 4 the regulations and limits of the respective standards have to be observed. The specific material operating conditions have to be approved by the pressure equipment manufacturer or respectively by the Notified Body in charge.								
Explanation: AT = Lösungsgeglüht / solution annealed NT = Normalgeglüht und angelassen / normalized and tempererd N = Normalgeglüht / normalized S = Spannungsarmgeglüht / stress relieved TM = Thermomech. behandelt / thermo-mech. treated U = ungeglüht / not annealed QT = vergütet / quenched and tempered CR = Temperaturgeregelt warmumgeformt / temperature controlled hot formed (controlled rolled) A = weichgeglüht / annealed AR = wie gewalzt / as rolled a = Werkstoffbezeichnung in Spalte 10 / material designation in column 10 b = Lieferzustand in Spalte 10 / delivery condition in column 10 c = Prüfgegenstand in Spalte 10 / object in column 10 d = Abmessungen in den Techn. Regeln / dimensions acc. to technical rules e = Gewicht in den Techn. Regeln / weight acc. to technical rules f = Nr. der Techn. Regeln in Spalte 10 / technical rules reference column 10																						
Created / revised: 2021-10-28					Approved: 2021-11-24 W. Schock					Page 3 of 5												
File: IS-PED-M-9_Scope of approval					Revision: V 0					Printed copies are not subject to change service! Copyright TÜV SÜD Industrie Service GmbH												



Industrie Service

Geltungsbereich der Überprüfung als Hersteller von Werkstoffen nach DGRL 2014/68/EU, Anhang I, Abschnitt 4.3
Scope of the approval – Manufacturer of material in accordance with PED 2014/68/EU, Annex I, Section 4.3

Anlage zum Zertifikat Nr. / Annex to certificate no.
DGR-0036-QS-W 975/2021/MUC-02 von / dated 2024-01-03

Hersteller / Manufacturer:					Name: VIAR S.p.A. Straße/Street: Via Del Saliccio, 11/A Ort/City: IT-21040 Quinzano di Sumirago (VA)					Werk / plant: Quinzano di Sumirago (VA)					Land:/ Country: IT		Datum:/ Date: rev. 0 2024-01-03		Blatt-Nr./: Page No.: 4 v. / of 5		Zertifizierungsstelle für Druckgeräte / Certification Body for pressure equipment Notifizierte Stelle, Nr. / Notified Body, No. 0036	
lfd. Nr. / No.	Werkstoffbezeichnung / Werkstoff-Nr. / Material Designation Material Grade	Werkstoff- Spezifikation / Material Specification		Liefer- zustand / Delivery Conditio n Kürzel / Code	Prüfgegenstand Erzeugnisform / Description Product	Abmessungen / Dimensions				Gewicht / Weight		Prüfgrundlagen Technische Regeln / Requirements Technical Rules		Bericht Nr. / report no. C-722325935-23 vom / dated 2023-09-21-22								
		Art / Spec.	Nr. / No.			Dicke / Thickness [mm]		Durchm. / Diameter [mm]		1=t 2=kg ↓ Wert value	Art / Spec.	Nr. / No.	Bemerkungen / Remarks									
1	2	3a	3b	4	5	6a	6b	7a	7b	8a	8b	9a	9b	10								
03	allgemeine Baustähle / unalloyed steels warmfeste Stähle ohne / heat resistance steels without 14MoV6-3 und / and X20CrMoV11-1 W, S, TSiE 285	DIN EN EN	17100 10250-2 10222-2	N NT/QT	Zweiganschluß / branch connection innerer Zweiganschluß / insert branch connection Flansch / flange		60 60		660 660					*) To fulfil essential safety requirements of PED Annex I, for each material acc. to non harmonised standards a Particular Material Appraisal (PMA) is mandatory.								
	W, S, TSiE 355	VdTÜV	352/1	N			60		660													
	W, S, TSiE 420	VdTÜV	354/1	N			60		660													
	W, S, TSiE 460	VdTÜV	356/1	N			60		660													
	Austenite / stainless steel	VdTÜV	357/1	N			60		660													
		DIN EN	17440 10222-5	AT			60		660													
04*)	WPB, WP91, WP11 CL.1 A 105 N F11 CL.2, F1, F12, F5/F5A, F6A, F9, F11 CL.1, F22 CL.1/2 F5, F11, F22, F44, F51, F53, F55, F60, F91, F92	ASME ASTM	SA/A 234 SA/A 105 SA/A 182	b	Zweiganschluß/ branch connection Innerer/äußerer Zweiganschluß/ Insert/outlet branch connection Flansch / flange Geschm. Rohr, forged pipe		80		1066					Bei Verwendung der Werkstoffe in Spalte 2 bis 4 sind die Festlegungen und Grenzen des jeweiligen Regelwerkes zu beachten Für die spezifischen Einsatzbedingungen der Werkstoffe ist die Zustimmung des Druckgeräteherstellers bzw. der zuständigen Notifizierten Stelle erforderlich. / For the use of materials acc. to column 2 till 4 the regulations and limits of the respective standards have to be observed. The specific material operating conditions the Notified Body in charge.								
Explanation: AT = Lösungsgeglüht / solution annealed NT = Normalgeglüht und angelassen / normalized and tempered N = Normalgeglüht / normalized S = Spannungsarmgeglüht / stress relieved TM = Thermomech. behandelt / thermo-mech. treated U = ungeglüht / not annealed QT = vergütet / quenched and tempered CR = Temperaturregelt warmumgeformt / temperature controlled hot formed (controlled rolled) A = weichgeglüht / annealed AR = wie gewalzt / as rolled a = Werkstoffbezeichnung in Spalte 10 / material designation in column 10 b = Lieferzustand in Spalte 10 / delivery condition in column 10 c = Prüfgegenstand in Spalte 10 / object in column 10 d = Abmessungen in den Techn. Regeln / dimensions acc. to technical rules e = Gewicht in den Techn. Regeln / weight acc. to technical rules f = Nr. der Techn. Regeln in Spalte 10 / technical rules reference column 10																						
Created / revised: 2021-10-28						Approved: 2021-11-24 W. Schock						Page 4 of 5										
File: IS-PED-M-9 Scope of approval						Revision: V 0						Printed copies are not subject to change service! Copyright TÜV SÜD Industrie Service GmbH										



Industrie Service

Geltungsbereich der Überprüfung als Hersteller von Werkstoffen nach DGRL 2014/68/EU, Anhang I, Abschnitt 4.3
Scope of the approval – Manufacturer of material in accordance with PED 2014/68/EU, Annex I, Section 4.3

Anlage zum Zertifikat Nr. / Annex to certificate no.
DGR-0036-QS-W 975/2021/MUC-02 von / dated 2024-01-03

Hersteller / Manufacturer:					Name: Via Del Saliccio, 11/A Ort/City: IT-21040 Quinzano di Sumirago (VA)					Werk / plant: Quinzano di Sumirago (VA)					Land:/ Country: IT		Datum:/ Date: rev. 0 2024-01-03		Blatt-Nr./: Page No.: 5 v. / of 5		Zertifizierungsstelle für Druckgeräte / Certification Body for pressure equipment Notifizierte Stelle, Nr. / Notified Body, No. 0036	
lfd. Nr. / No.	Werkstoffbezeichnung Werkstoff-Nr. / Material Designation Material Grade	Werkstoff- Spezifikation / Material Specification		Liefer- zustand / Delivery Conditio n Kürzel / Code	Prüfgegenstand Erzeugnisform / Description Product	Abmessungen / Dimensions				Gewicht / Weight		Prüfgrundlagen Technische Regeln / Requirements Technical Rules		Bericht Nr. / report no. C-722325935-23 vom / dated 2023-09-21-22								
		Art / Spec.	Nr. / No.			Dicke / Thickness [mm]		Durchm. / Diameter [mm]		1=t 2=kg ↓ Wert value	Art / Spec.	Nr. / No.	Bemerkungen / Remarks									
1	2	3a	3b	4	5	6a	6b	7a	7b	8a	8b	9a	9b	10								
04*)	F304, F 304 L, F304H, F 316 L, F316H, F316L, F310, F 321, A 106 B TP304, TP304H, TP304L, TP316H, TP316L, TP321, TP321H, TP347, TP347H, P1, P11, P22, P5, P9, P91 LF2 CL.1, LF2, LF3 Gr 347 WPL 6 F42, F46, F52, F56, F60, F65 F70 5LB, 5LX65, 5LX52	ASME ASTM	SA/A 182 SA/A 106 SA/A 312 SA/A 335 SA/A 350 SA/A 358 SA/A 420 A 694 A 694	b	Zweiganschluß/ branch connection Innerer/äußerer Zweiganschluß/ Insert/outlet branch connection Flansch / flange Geschm. Rohr, forged pipe		80		1066					*) To fulfil essential safety requirements of PED Annex I, for each material acc. to non harmonised standards a Particular Material Appraisal (PMA) is mandatory. b: acc. to requirements of technical standard Bei Verwendung der Werkstoffe in Spalte 2 bis 4 sind die Festlegungen und Grenzen des jeweiligen Regelwerkes zu beachten Für die spezifischen Einsatzbedingungen der Werkstoffe ist die Zustimmung des Druckgeräteherstellers bzw. der zuständigen Notifizierten Stelle erforderlich. / For the use of materials acc. to column 2 till 4 the regulations and limits of the respective standards have to be observed. The specific material operating conditions have to be approved by the pressure equipment manufacturer or respectively by the Notified Body in charge.								
05*)	N06625 Gr1	ASME ASTM	SB/B 444	b	Zweiganschluß/ branch connection innerer Zweiganschluß/ insert branch connection		60		1249													
Explanation: AT = Lösungsgeglüht / solution annealed NT = Normalgeglüht und angelassen / normalized and tempererd N = Normalgeglüht / normalized S = Spannungsarmgeglüht / stress relieved TM = Thermomech. behandelt / thermo-mech. treated U = ungeglüht / not annealed QT = vergütet / quenched and tempered CR = Temperaturgeregelt warmumgeformt / temperature controlled hot formed (controlled rolled) A = weichgeglüht / annealed AR = wie gewalzt / as rolled a = Werkstoffbezeichnung in Spalte 10 / material designation in column 10 b = Lieferzustand in Spalte 10 / delivery condition in column 10 c = Prüfgegenstand in Spalte 10 / object in column 10 d = Abmessungen in den Techn. Regeln / dimensions acc. to technical rules e = Gewicht in den Techn. Regeln / weight acc. to technical rules f = Nr. der Techn. Regeln in Spalte 10 / technical rules reference column 10																						
Created / revised: 2021-10-28					Approved: 2021-11-24 W. Schock					Page 5 of 5												
File: IS-PED-M-9_Scope of approval					Revision: V 0					Printed copies are not subject to change service! Copyright TÜV SÜD Industrie Service GmbH												



Industrie Service

Geltungsbereich der Überprüfung als Hersteller von Werkstoffen nach AD 2000-Merkblatt W 0
Scope of the approval - Manufacturer of material in accordance with AD 2000-Merkblatt W 0

Anlage zum Zertifikat Nr. / Annex to certificate no.
DGR-0036-QS-W 975/2021/MUC-02 von / dated 2024-01-03

Hersteller / Manufacturer:	Name: Straße/Street: Ort/City:	Forgiatura Marcora S.r.l. Via Gramsci, 36 IT-21057 Olgiate Olona (VA)	Werk / plant: Olgiate Olona (VA)	Land:/ Country: IT	Datum:/ Date: rev. 1 2024-03-04	Blatt-Nr./ Page No.: 1 v. / of 4	Zertifizierungsstelle für Druckgeräte / Certification Body for pressure equipment Notifizierte Stelle, Nr. / Notified Body, No. 0036
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lfd. Nr. / No.	Werkstoffbezeichnung Werkstoff-Nr. / Material Designation Material Grade	Werkstoff- Spezifikation / Material Specification		Liefer- zustand / Delivery Condition	Prüfgegenstand Erzeugnisform / Description Product	Abmessungen / Dimensions				Gewicht / Weight		Prüfgrundlagen Technische Regeln / Requirements Technical Rules		Bericht Nr. / report no. C-722325935-23 vom / dated 2023-09-22
		Art / Spec.	Nr. / No.			Dicke / Thickness [mm]		Durchm. / Diameter [mm]		1=t 2=kg ↓	Wert value	Art / Spec.	Nr. / No.	
1	2	3a	3b	4	5	6a	6b	7a	7b	8a	8b	9a	9b	10
01	P280GH (1.0426) P305GH (1.0436)	EN	10222-2	N, NT, QT	Forging		160					AD2000	W9, W13 W10	Inspection certificate 3.2
02	13CrMo4-5 (1.7335)	EN	10222-2	NT, QT	Forging		250					AD2000	W9, W13	Inspection certificate 3.2
03	X6CrNiTi18-10 (1.4541) X2CrNiMo17-12-2 (1.4404) X2CrNiMoN25-7-4 (1.4410)	EN	10222-5	AT	Forging		450 250 160					AD2000	W2, W10	Inspection certificate 3.2 for wall thickness > 250 mm Inspection certificate 3.2
04	S355J2G3 (1.0570)	EN	10250-2	N	Forging		150					AD2000	W9, W13, W10	Inspection certificate 3.2
05	10CrMo9-10 (1.7380)	EN	10273	NT, QT	Bar		150					AD2000	W9, W13, W10	
06	X2CrNi18-9 (1.4307)	EN	10272	AT	Bar		250					AD2000	W2, W10	

Explanation: **AT** = Lösungsgeglüht / solution annealed **NT** = Normalgeglüht und angelassen / normalized and tempered **N** = Normalgeglüht / normalized **S** = Spannungsarmgeglüht / stress relieved **TM** = Thermomech. behandelt / thermo-mech. treated **U** = ungeglüht / not annealed
QT = vergütet / quenched and tempered **CR** = Temperaturregelt warmumgeformt / temperature controlled hot formed (controlled rolled) **A** = weichgeglüht / annealed **AR** = wie gewalzt / as rolled
a = Werkstoffbezeichnung in Spalte 10 / material designation in column 10 **b** = Lieferzustand in Spalte 10 / delivery condition in column 10 **c** = Prüfgegenstand in Spalte 10 / object in column 10
d = Abmessungen in den Techn. Regeln / dimensions acc. to technical rules **e** = Gewicht in den Techn. Regeln / weight acc. to technical rules **f** = Nr. der Techn. Regeln in Spalte 10 / technical rules reference column 10

Created / revised: 2021-10-28

Approved: 2021-11-24 W. Schock

Page 1 of 4

File: IS-PED-M-9_Scope of approval

Revision: V 0

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Industrie Service

Geltungsbereich der Überprüfung als Hersteller von Werkstoffen nach DGRL 2014/68/EU, Anhang I, Abschnitt 4.3
Scope of the approval – Manufacturer of material in accordance with PED 2014/68/EU, Annex I, Section 4.3

Anlage zum Zertifikat Nr. / Annex to certificate no.
DGR-0036-QS-W 975/2021/MUC-02 von / dated 2024-01-03

Hersteller / Manufacturer: Name: Forgiatura Marcora S.r.l. Straße/Street: Via Gramsci, 36 Ort/City: IT-21057 Olgiate Olona (VA)						Land:/ Country: IT		Datum:/ Date: rev. 1 2024-03-04		Blatt-Nr./ Page No.: 4 v. / of 4		Zertifizierungsstelle für Druckgeräte / Certification Body for pressure equipment Notifizierte Stelle, Nr. / Notified Body, No. 0036		
lfd. Nr. / No.	Werkstoffbezeichnung Werkstoff-Nr. / Material Designation Material Grade	Werkstoff- Spezifikation / Material Specification		Liefer- zustand / Delivery Condition	Prüfgegenstand Erzeugnisform / Description Product	Abmessungen / Dimensions				Gewicht / Weight		Prüfgrundlagen Technische Regeln / Requirements Technical Rules		Bericht Nr. / report no. C-722325935-23 vom / dated 2023-09-22
		Art / Spec.	Nr. / No.			Kürzel / Code	Dicke / Thickness [mm]		Durchm. / Diameter [mm]		1=t 2=kg ↓ Wert value	Art / Spec.	Nr. / No.	
1	2	3a	3b	4	5	6a	6b	7a	7b	8a	8b	9a	9b	10
15*)	Gr. L5 class 3	ASTM	A707	b	Forging		350							*) To fulfil essential safety requirements of PED Annex I, for each material acc. to non harmonised standards a Particular Material Appraisal (PMA) is mandatory. b) acc. to the requirements of the applicable Standard Bei Verwendung der Werkstoffe in Spalte 2 bis 4 sind die Festlegungen und Grenzen des jeweiligen Regelwerkes zu beachten Für die spezifischen Einsatzbedingungen der Werkstoffe ist die Zustimmung des Druckgeräteherstellers bzw. der zuständigen Notifizierten Stelle erforderlich. / For the use of materials acc. to column 2 till 4 the regulations and limits of the respective standards have to be observed. The specific material operating conditions have to be approved by the pressure equipment manufacturer or respectively by the Notified Body in charge.
16*)	F51, F53, F55 F304, F304L, F316, F316L, F321 F22 F6NM, F91, F92	ASTM	A182	b	Forging		200 250 500 300							
17*)	Inconel 625	ASTM	B564	b	Forging		150							
18*)	AISI 630 X5CrNiCuNb16-4 (1.4542)	ASTM EN	A564 10088	b	Forging		300							
Explanation: AT = Lösungsgeglüht / solution annealed NT = Normalgeglüht und angelassen / normalized and tempered N = Normalgeglüht / normalized S = Spannungsarmgeglüht / stress relieved TM = Thermomech. behandelt / thermo-mech. treated U = ungeglüht / not annealed QT = vergütet / quenched and tempered CR = Temperaturgeglüht warmumgeformt / temperature controlled hot formed (controlled rolled) A = weichgeglüht / annealed AR = wie gewalzt / as rolled a = Werkstoffbezeichnung in Spalte 10 / material designation in column 10 b = Lieferzustand in Spalte 10 / delivery condition in column 10 c = Prüfgegenstand in Spalte 10 / object in column 10 d = Abmessungen in den Techn. Regeln / dimensions acc. to technical rules e = Gewicht in den Techn. Regeln / weight acc. to technical rules f = Nr. der Techn. Regeln in Spalte 10 / technical rules reference column 10														
Created / revised: 2021-10-28						Approved: 2021-11-24 W. Schock						Page 4 of 4		
File: IS-PED-M-9_Scope of approval						Revision: V 0						Printed copies are not subject to change service! Copyright TÜV SÜD Industrie Service GmbH		



CERTIFICATE

TUV SUD BABT Unlimited

certifies that

VIAR S.p.A.
Via del Saliccio, 11/A
IT-21040 Quinzano di Sumirago (VA)

and

FORGIATURA MARCORA S.r.l.
Via Antonio Gramsci, 36
IT-21057 Olgiate Olona – VA

has implemented, operates and maintains a

Quality Assurance System in accordance with the
Pressure Equipment (Safety) Regulation 2016/1105, Schedule 2, Part. 4,
Para. 31 (8) as well as EN 764-5, Para. 4.2

as a material manufacturer for the scope of

Design, manufacturing and marketing of derivations for pipes with integral reinforcement, flanges, compact flanges, clamped connections, forged fittings and special forged pieces in carbon steel, alloys, stainless steel and superalloys, nickel alloys, duplex and super duplex by open-die or closed-die forging, heat treatment, final machining, welding/cladding processes.

The scope of the approval is described in the annex to this certificate.
Further details are mentioned in report no. C-722302598-22.

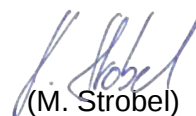
The manufacturer is therefore authorized to issue certificates of specific product control within the scope of the assessed quality system and in accordance with the Pressure Equipment (Safety) Regulation 2016/1105. Possible additional requirements - specific to applied technical specifications to meet PER 2016/1105, Schedule 2 - are not affected.

This certificate is valid through 2026-01-22.

In order to adhere the validity an annual surveillance audit is required.

Certificate No.: PER-0168-QS-M 3257597/2023/MUC-01
Fareham, January 23rd, 2023

TUV SUD BABT Unlimited


(M. Strobel)

Certification Body
Materials and Permanent Joining

TUV SUD BABT Unlimited
Octagon House, Concorde Way Segensworth North,
Fareham, Hampshire, PO 15 5RL, United Kingdom



EQ3257597

6243

23.01.2023

CERTIFICAT

CERTIFICADO

CERTИФИКАТ

認證證書

CERTIFICATE

ZERTIFIKAT

Scope of the approval – Manufacturer of material in accordance with PER 2016/1105, Schedule 2, Part 4, Para. 31 (8)										Annex to certificate no. PER-0168-QS-M 3257597/2023/MUC-01 von / dated 2023-01-23				
Name: Forgiatura Marcora S.r.l. Manufacturer: Street: Via Gramsci, 36 City: IT-21057 Olgiate Olona (VA)						Country: IT		Date: rev. 1 2024-03-04		Page 2 of 4		Competent Body of TUV SUD BABT Unlimited		
No.	Material Designation Material Grade	Material Specification		Delivery Condition Code	Description Product	Dimensions				Weight		Requirements Technical Rules		Report no. C-722302598-22 dated 2022-10-13
		Spec.	No.			Thickness [mm]		Diameter [mm]		1=t 2=kg ↓	value	Spec.	No.	Remarks
1	2	3a	3b	4	5	6a	6b	7a	7b	8a	8b	9a	9b	10
09*)	Nickel Alloy UNS N07718 (Alloy 718)	ASTM	B637	b	Forging / Bar	-	b							*) To fulfil essential safety requirements of PER Schedule 2, for each material acc. to non designated standards a Particular Material Appraisal (PMA) is mandatory. b) acc. to requirements of the applicable Standard
10*)	Nickel Alloy UNS N06625 (Alloy 625)	ASTM	B446 B564	b	Forging / Bar	-	b							
11*)	NiCr22Mo9Nb (2.4856)	EN	10095	b	Forging / Bar	-	b							
12*)	LF2	ASTM	A350	b	Forging	-	350							
13*)	A105	ASTM ASME	A105 SA105	b	Forging	-	350							
14*)	F60, F65 F70	ASTM	A694	b	Forging	-	350 150							
15*)	Gr.L5 class 3	ASTM	A707	b	Forging	-	350							
16*)	F51, F53, F55 F304, F304L, F316, F316L, F321 F22 F6NM, F91, F92	ASTM	A182	b	Forging	-	200 250 500 300							
17*)	Inconel 625	ASTM	B564	b	Forging	-	150							
18*)	AISI 630 X5CrNiCuNB16-4 (1.4542)	ASTM EN	A564 10088	b	Forging	-	300							
For the use of materials acc. to column 2 till 4 the regulations and limits of the respective standards have to be observed. The specific material operating conditions have to be approved by the pressure equipment manufacturer or respectively by the Approved Body in charge.														

Explanation: AT = solution annealed NT = normalized and tempererd N = normalized S = stress relieved TM = thermo-mech. treated U = not annealed
 QT = quenched and tempered CR = temperature controlled hot formed (controlled rolled) A = annealed AR = as rolled
 a = material designation in column 10 b = condition in column 10 c = object in column 10
 d = dimensions acc. to technical rules e = weight acc. to technical rules f = technical rules reference column 10

Created / revised: 2022-02-21					Approved: 2022-02-21 W. Schock					Page 2 of 4				
File: TS-BABT-M-10 Scope of approval					Revision: V 2					Printed copies are not subject to change service! Copyright TUV SUD BABT Unlimited				

**Scope of the approval – Manufacturer of material in accordance with
PER 2016/1105, Schedule 2, Part 4, Para. 31 (8)**

**Annex to certificate no.
PER-0168-QS-M 3257597/2023/MUC-01 von / dated 2023-01-23**

Name: VIAR S.p.A. Manufacturer: Street: Via del Saliccio, 11/A City: IT-21040 Quinzanodi Sumirago (VA)					Country: IT	Date: rev. 1 2024-03-04	Page 3 of 4	Competent Body of TUV SUD BABT Unlimited	
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No.	Material Designation Material Grade	Material Specification		Delivery Condition Code	Description Product	Dimensions				Weight		Requirements Technical Rules		Report no. C-722302598-22 dated 2022-10-13 Remarks
		Spec.	No.			Thickness [mm]		Diameter [mm]		1=t 2=kg ↓ value		Spec.	No.	
1	2	3a	3b	4	5	6a	6b	7a	7b	8a	8b	9a	9b	10
01	Unalloyed steel	EN	10216-1 1629*)	N	Branch connection	-	60	-	660					*) To fulfil essential safety requirements of PER Schedule 2, for each material acc. to non designated standards a Particular Material Appraisal (PMA) is mandatory.
	Heat resistance steel	DIN	1630*)	NT, QT		-	60	-	660					
	Austenitic steel	EN	10216-2 17175*)	AT		-	60	-	660					
02	Unalloyed steel	EN	10216-5 17458*)											b) acc. to requirements of the applicable Standard
		DIN		N	Insert branch connection	-	80	-	1066					
	Pipeline steel	EN	10208-2 17172*)	N		-	80	-	1066					
	Heat resistance steel	DIN		NT, QT		-	80	-	1066					
	Austenitic steel	EN	10216-5 17458*)	AT		-	80	-	1066					
03	Unalloyed steel	EN	10222-2 17100*)	N	Branch connection/ Innerer branch connection	-	60	-	660					
	Heat resistance steel without: 14MoV6-3	DIN	10250-2*)	NT/QT	/flange	-	60	-	660					
	X20CrMoV11-1	EN				-	60	-	660					
	W, S, TstE285	VdTUV	352/1*)	N		-	60	-	660					
	W, S, TstE355	VdTUV	354/1*)	N		-	60	-	660					
	W, S, TstE460	VdTUV	357/1*)	N		-	60	-	660					
04*)	Austenitic Steel	EN	10222-5 17440*)	AT										For the use of materials acc. to column 2 till 4 the regulations and limits of the respective standards have to be observed. The specific material operating conditions have to be approved by the pressure equipment manufacturer or respectively by the Approved Body in charge.
	WPB, WP91, WP11 Cl.1	ASME	SA234	b	Branch connection/ Insert/outlet brach connection/ Flange/ forged pipe	-	80	-	1066					
	A105N	ASTM	A234											
	F11 Cl.2, F1, F12, F5/F5A F6A, F9, F11 Cl.1, F22 Cl.1/2 F5, F11, F22, F44, F51, F53 F55, F60, F91, F92	ASME ASTM ASME ASTM	SA105 A105 SA182 A182											

Explanation: AT = solution annealed NT = normalized and tempererd N = normalized S = stress relieved TM = thermo-mech. treated U = not annealed
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Scope of the approval – Manufacturer of material in accordance with PER 2016/1105, Schedule 2, Part 4, Para. 31 (8)										Annex to certificate no. PER-0168-QS-M 3257597/2023/MUC-01 von / dated 2023-01-23				
Name: VIAR S.p.A. Manufacturer: Street: Via del Saliccio, 11/A City: IT–21040 Quinzanodi Sumirago (VA)										Country: IT	Date: rev. 1 2024-03-04	Page 4 of 4	Competent Body of TUV SUD BABT Unlimited	
No.	Material Designation Material Grade	Material Specification		Delivery Condition Code	Description Product	Dimensions				Weight		Requirements Technical Rules		Report no. C-722302598-22 dated 2022-10-13
		Spec.	No.			Thickness [mm]		Diameter [mm]		1=t 2=kg ↓ value	Spec.	No.	Remarks	
1	2	3a	3b	4	5	6a	6b	7a	7b	8a	8b	9a	9b	10
05*)	F304, F304L, F304H, F316L, F316H F310, F321 Gr.B TP304, TP304H, TP304L, TP 316H TP316L, TP321, TP321H, TP347 TP347H P1, P11, P22, P5, P9, P91 LF2 Cl.1, LF2, LF3 Gr.347 F42, F46, F52, F56, F60, F65, F70 Gr.B, X65, X52	ASME ASTM	SA182 A182	b	Branch connection/ Insert/outlet brach connection/ Flange/ forged pipe	-	80	-	1066					*) To fulfil essential safety requirements of PER Schedule 2, for each material acc. to non designated standards a Particular Material Appraisal (PMA) is mandatory. b) acc. to requirements of the applicable Standard
06*)	N06625 Gr.1	ASME ASTM	SB444 B444	b	Branch connection/ Insert branch connection	-	60	-	1249					For the use of materials acc. to column 2 till 4 the regulations and limits of the respective standards have to be observed. The specific material operating conditions have to be approved by the pressure equipment manufacturer or respectively by the Approved Body in charge.

Explanation: AT = solution annealed NT = normalized and tempererd N = normalized S = stress relieved TM = thermo-mech. treated U = not annealed
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APPROVALS



**POLITECNICO DI MILANO
DIPARTIMENTO DI MECCANICA**

COMMITTENTE

VIAR Meccanica Srl
Via del Saliccio, 11/A
21040 Quinzano San Pietro di
Sumirago (VA)



**RELAZIONE
CONTRATTO DI RICERCA
N° 57/2009**

Prof. M. Giglio

**Validazione del metodo di calcolo da
normativa TRD 301 applicato a
tubazioni a Y (Validation of Y-shaped
pipe component design method
according to TRD 301 standard)**

20 settembre 2010

**REDATTO DA:
Prof. Marco Giglio**

**RESPONSABILE DEL CONTRATTO
Prof. Marco Giglio**

**DIRETTORE DEL DIPARTIMENTO
Prof. Ferruccio Resta**

Dipartimento di Meccanica, Politecnico di Milano, Via la Masa 1, 20156 Milano



APPROVALS

Canadian Registration Numbers of Canadian Provinces

Forged Fittings/ Outlets

ALBERTA	0A00325.92
BRITISH COLOMBIA	0A00325.951
MANITOBA	0A0325.96 R1
NEW BRUNSWICK	0A0325.97 REV
NEWFOUNDLAND & LABRADOR	0A0325.90 REV
NORTHWEST TERRITORIES	0A0325.9T REV
NOVA SCOTIA	0A0325.98 REV
NUNAVUT	0A0325.9N REV
ONTARIO	0A0325.95 R1
PRINCE EDWARD ISLAND	0A0325.9 REV
QUEBEC	0A0325.96 R1
SASKATCHEWAN	0A0325.96 R1
YUKON	0A0325.9Y REV





APPROVALS

Canadian Registration Numbers of Canadian Provinces

Flanges

ALBERTA	OB1143.92
BRITISH COLOMBIA	OB01143.951
MANITOBA	OB1143.96
NEW BRUNSWICK	OB1143.97
NEWFOUNDLAND & LABRADOR	OB1143.90
NORTHWEST TERRITORIES	OB1143.9T
NOVA SCOTIA	OB1143.98
NUNAVUT	OB1143.9N
ONTARIO	OB1143.95
PRINCE EDWARD ISLAND	OB1143.9
QUEBEC	OB1143.96
SASKATCHEWAN	OB1143.96
YUKON	OB1143.9Y