



Lloyd's Register
LRQA

CERTIFICATE OF APPROVAL

This is to certify that the Quality Management System of:

FORGIATURA A. VIENNA di Antonio Vienna e C. s.a.s.
Via Ospiate, 46/48
20017 Rho (Milano) – Italia

has been approved by Lloyd's Register Quality Assurance to the following
Quality Management System Standards:

ISO 9001:2008

The Quality Management System is applicable to:

Production of open die forgings, hot rolled rings and shell rings, pre machined and finish machined items, with various shapes, for various applications, with the single piece weight up to 200 tons, such as: valve bodies, balls for ball valves, closures, pinions, seat rings, tubesheet plates, reactor shell rings, forged plates, forged tubes, elbows, flanges, nozzles, shipbuilding shafts, turbogenerators shafts, press cylinder bodies, elliptical heads, spherical heads, channel heads, bars, nuclear plant forged components, oil&gas forged components; forged components for chemical and petrochemical plants, components for gas turbines and compressors; all in steel material grades; carbon steel, low, medium/high alloyed steel, stainless, titanium grades and superalloys.

Production of ingot with Electroslag Remelting Process (ESR) in inert atmosphere with the single piece weight up to 250 tons, in following steel grades: carbon steel, low, medium/high alloyed steel, stainless steel and superalloys.

Further information related to the products are detailed in the attachment bearing the same number.

This certificate is valid only in association with the certificate schedule bearing the same number on which the locations applicable to this approval are listed.

Certificate Approval
No: LRC 0160177/QMS/U/EN

Original Approval: 12th November 1993

Current Certificate: 27th May 2015

Certificate Expiry: 11th November 2017

Issued by: Lloyd's Register Quality Assurance Italy Srl
for and on behalf of Lloyd's Register Quality Assurance Limited



001

This document is subject to the provision below
Via Cadorna, 69 20090 Vimodrone (MI)

For and on behalf of 1 Trinity Park, Bickenhill Lane, Birmingham, B37 7ES, - United Kingdom
This approval is carried out in accordance with the LRQA assessment and certification procedures and monitored by LRQA.

The use of the UKAS Accreditation Mark indicates Accreditation in respect of those activities covered by the Accreditation Certificate Number 001

ATTACHMENT

to ISO 9001:2008 certificate of approval No LRC 0160177/QMS/U/EN dated 27th May 2015, expiring on 11th November 2017 issued to:

FORGIATURA A. VIENNA di Antonio Vienna e C. s.a.s.
Via Ospiate, 46/48
20017 Rho (Milano) – Italia

The Quality Management System supports the requirements of Annex I, chapt. 4.3 of Pressure Equipment Directive (PED) 97/23/EC.

The application of the requirements of 97/23/EC directive, attachment I, chapt 4.3 (Pressure Equipment Directive) in the quality management system is exclusively referred to the manufacturing of

open die forgings, hot rolled rings and shell rings, pre machined and finish machined items, such as: valve bodies, balls for ball valves, closures, pinions, seat rings, tubesheet plates, reactor shell rings, forged plates, forged tubes, elbows, flanges, nozzles, shipbuilding shafts, turbogenerators shafts, press cylinder bodies, elliptical heads, channel heads, spherical heads, bars, nuclear plant forged components, oil&gas forged components; forged components for chemical and petrochemical plants, components for gas turbines and compressors;

made in

MATERIALS	MATERIAL SPECIFICATION	DIMENSIONS
Ferritic and martensitic steels with specific requirements at elevated or low temperatures	EN 10025, EN 10222-2, EN 10222-3, EN 10222-4, EN 10222-5, EN 10250-2, EN 10250-3, EN 10273 DIN 17100, DIN 17103, DIN 17243, DIN 17280	With product weights up to 200 tons.
Stainless steel	EN 10222-5, DIN 17440	With product weights up to 60 tons.
Stainless steel	ITER_D_2DX6KS v1.4 ITER_D_2EFZGP v1.3 and RCC-R edition 2007 sect. RM3321	With product weights up to 60 tons.
Forgings, carbon steel for piping components	ASTM A105/A 105 M	With product weights up to 200 tons.
Forged or rolled alloy steel pipe flanges, forged fittings and valves and parts for high temperatures	ASTM A182/A182M	With product weights up to 200 tons.



ATTACHMENT

to ISO 9001:2008 certificate of approval No LRC 0160177/QMS/U/EN dated 27th May 2015, expiring on 11th November 2017 issued to:

MATERIALS	MATERIAL SPECIFICATION	DIMENSIONS
Carbon and low-alloy steel forgings, requiring notch toughness testing for piping components	ASTM A350/A350M	With product weights up to 200 tons.
Carbon steel forgings for pressure vessel components	ASTM A266/A266M	With product weights up to 200 tons.
Alloy steel forgings for pressure and high temperature parts	ASTM A336/A336M	With product weights up to 200 tons.
Quenched and tempered carbon and alloy steel forgings for pressure vessels	ASTM A508/A508M	With product weights up to 230 tons.
Carbon and low alloy steel forging with mandatory toughness requirements	ASTM A765/A765M	With product weights up to 230 tons.
Carbon and alloy steel forgings for pipe, flanges, fittings, valves and parts	ASTM A694/A694M	With product weights up to 200 tons.
Hot rolled and cold finished steel age hardening stainless bars and shapes	ASTM B564/B564M	With product weights up to 5 tons.
Alloy steel forging	ASTM B625/B625M	With product weights up to 5 tons.

Attachment No LRC 0160177/QMS/U/EN Rev. 0
Date: 27th May 2015


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