



CERTIFICATE OF QUALITY SYSTEM APPROVAL

In accordance with the requirements of the Pressure Equipment (Safety) Regulations 2016, UK Statutory Instrument 2016 No. 1105, as amended.

This is to certify that the Quality Management System of:

**Abbey Forged Products Limited
Sheffield
South Yorkshire
United Kingdom**

has been assessed against the requirements of Schedule 2, Paragraph 31.8 of the Pressure Equipment (Safety) Regulations 2016 and conforms to the requirements for the products shown below:

**Manufacture of Open Die Forgings from 1kg to 1800kg in Steel,
including Carbon, Alloy, Stainless Steel, Duplex Alloys and
Nickel Based Alloys**

Approval is subject to the continued maintenance of the quality system in accordance with the requirements of the above Regulation and the ongoing surveillance. Products are as detailed on the attached schedule.

Certificate No: 0038/UK/PER/PRJ111356950/1

Original Approval: 03 August 2022

Current Certificate: 03 August 2022

Certificate Expiry: 19 January 2024

LRQA Approved Body 0038

S. M. Williams on behalf of LRQA Verification Limited

LRQA Verification Limited (Reg. no. 4929226) is a limited company registered in England and Wales. Registered office: 1 Trinity Park, Bickenhill Lane, Birmingham B37 7ES.

A subsidiary of LRQA Group Limited.

LRQA Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as 'LRQA'. LRQA 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 LRQA 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 SCHEDULE

0038/UK/PER/PRJ111356950/1

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Product(s)

Alloy Steels / Oil and Gas Alloys

INDUSTRY STANDARD	UNS	DIN	SAE/AISI/ASTM	EURONORM	OTHER
070M20	G10200	1.0402	A29 AISI 1020		EN3A
070M55		1.0535	A29 AISI 1055		EN9/C55E
080M40	G10400	1.1186	A29 AISI 1040		EN8/C40E
150M19		1.1160	A29 AISI 1524		EN14A
655M13	G93106	1.5752		14NiCr4	EN36A
665M17			A29 AISI 4617	15NiMo8	EN34
709M40	S41400	1.7225	A29 AISI 4142	42CrMo4	EN19
817M40		1.6528	A29 AISI 4340	34CrNiMo6	EN24
B24			A540 B24 (4340 Mod)		
826M40		1.6745		40NiMoCr10-5	EN26
A105	K03504	1.0482	A105		
A350 LF2	K03011	1.0566	A350 LF2		
A350 LF3	K32025	1.5637	A350 LF3	10Ni14	
A694 F52/F60/F65/F70			A694		
4130	G41300	1.7218	A29 AISI 4130	25CrMo4	
4140	G41400	1.7225	A29 AISI 4140	42CrMo4	EN19
4330	K23080	1.6562	A29 AISI 4330		
4340	G43400	1.6511	A29 AISI 4340	36CrNiMo4	
8630	G86300	1.6545	A29 AISI 8630	30NiCrMo2-2	
F5	K41545	1.7362	A182 F5		
F9	K90941	1.7386	A182 F9		
F11	K11597/K11572	1.7335	A182 F11		
F12	K11562/K11564	1.7335	A182 F12		
F22	K21590	1.7380	A182 F22	10CrMo9-10	
F91	K90901	1.4903	A182 F91		

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Duplex and Super-Duplex Stainless Steels

INDUSTRY STANDARD	UNS	DIN	ASTM	EURONORM	OTHER
Duplex	S31803	1.4462	A182 F51	X2CrNiMoN22-5-3	
Duplex	S32205	1.4462	A182 F60	X2CrNiMoN22-5-3	
Super-Duplex	S32750	1.4410	A182 F53	X2CrNiMoN25-7-4	
Super-Duplex	S32760	1.4501	A182 F55	X2CrNiMoNWN25-7-4	ZERON 100

Stainless Steels

INDUSTRY STANDARD	UNS	DIN	ASTM	EURONORM
304	S30400	1.4301	A182 F304	X5CrNi18-10
304H	S30409	1.4948	A182 F304H	X6CrNi18-10
304L	S30403	1.4307	A182 F304L	X2CrNi18-9
310	S31000	1.4845	A182 F310	X8CrNi25-21
316	S31600	1.4401	A182 F316	X5CrNiMo17-12-2
316H	S31609	1.4919	A182 F316H	X6CrNiMo17-13
316L	S31603	1.4404	A182 F316L	X2CrNiMo17-12-2
316LN	S31653	1.4429	A182 F316LN	X2CrNiMoN17-13-3
316Ti	S31635	1.4571	A182 F316Ti	X6CrNiMoTi17-12-2
317	S31700	1.4449	A182 F317	X5CrNiMo18-15
317L	S31703	1.4438	A182 F317L	X2CrNiMo18-15
321	S32100	1.4941	A182 F321	X6CrNiTiB18-10
321H	S32109	1.4878	A182 F321H	X12CrNiTi18-9
347	S34700	1.4550	A182 F347	X6CrNiNb18-10
347H	S34709	1.4912	A182 F347H	X7CrNiNb18-10
F44	S31254	1.4547	A182 F44	X1CrNiMoCuN20-18-7
410	S41000	1.4006	A182 F6A	X12Cr13
420	S42000	1.4021		X20Cr13
431	S43100	1.4057		X17CrNi16-2
FV 448 (4109)		1.4109		X70CrMo15
F6NM	S41500	1.4313	A182 F6NM	X3CrNiMo13-4
17-4PH	S17400	1.4542	A564 630	X5CrNiCuNb17-4
Alloy 660	S66286	1.4980	A638 UNS S66286	X6NiCrTiMoVB25-15-2
Alloy 904L	N08904	1.4539	A182 F904L	
FV520B	S45000	1.4594	A705	X5CrNiMoCuNb14-5
Jethete M152/M153	S64152	1.4938		X12CrNiMoV12-3

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Nickel Based Alloys

INDUSTRY STANDARD	UNS	DIN	ASTM	OTHER
Alloy 20	N08020	2.4660	A182 N08020	Incoloy 20
Alloy 400	N04400	2.4360	B564 N04400	Monel 400
Alloy 600	N06600	2.4816	B564 N06600	Inconel 600
C22	N06022	2.4602	B564 N06022	Hastelloy C22
C276	N10276	2.4819	B564 N10276	Hastelloy/Inconel C276
625	N06625	2.4856	B564 N06625	Inconel 625
718	N07718	2.4668	B637 N07718	Inconel 718
725	N07725		B637 N07725	Inconel 725
X750	N07750	2.4669	B637 N07750	Inconel X-750
800H	N08810	1.4958	B564 N08810	Incoloy 800H
825	N08825	2.4858	B564 N08825	Incoloy 825
925	N09925		B637 N09925	Incoloy 925
K500	N05500	2.4374		Monel K500

Quality Management Systems

Quality System Approval – ISO9001:2015 – BSI Certificate Number QSC931, valid to 05/02/2023

Schedule Issue: 01

Date of Schedule Issue: 03 August 2022

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