

## CERTIFICATE OF APPROVAL

This is to certify that the Quality Management System of:

**H.ZOBEL SAS**  
**Zone Artisanale du Bois**  
**62840 FLEURBAIX, France**

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:

**Manufacture and sales of special fasteners  
for industry in compliance with Annex I paragraph 4.3  
of the Pressure Equipment Directive 97/23/EC  
(As listed on attached schedule).**

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.

Approval  
Certificate No: FQA 4002447/B

Original Approval: 12 November 2013

Current Certificate: 12 November 2013

Certificate Expiry: 17 February 2016



Issued by: Lloyd's Register Quality Assurance France SAS  
For and on behalf of LRQA Limited



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This document is subject to the provision on the reverse

1, boulevard Vivier Merle, 69443 Lyon cedex 03 France

For and on behalf of 71 Fenchurch Street, London EC3M 4BS 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

## CERTIFICATE SCHEDULE

### **H.ZOBEL SAS** **Zone Artisanale du Bois** **62840 FLEURBAIX, France**

PED 97/23/EC Annex I paragraph 4.3 compliance

Products: Special bolting

Material Grades and Standards:

Standard	Grade
ASTM A182	F51, F52, F55.
ASTM A193	B5, B6, B7, B7M, B16, B8, B8M, B8T, B8C, B8S, B8R, B8CL2, B8MCL2, B8M2CL2B, B8CL2B, B8A, B8MA, B8TA.
ASTM A194	2H, 2HM, GR2, GR3, GR4, GR6, GR7, GR7L, GR7M, GR7ML, GR8, GR8M, GR8C, GR8T, GR8A, GR8MA, GR8CA, GR8TA, GR8S, GR8R, GR8SA, GR8RA, GR8F.
ASTM A276	904L, 304, 304L, 304N, 310, 310S, 316, 316L, 316Ti, 316N, 316LN, 321, 410, S31803, S32750, S32760.
ASTM A320	L7, L7M, L43, L70, B8, B8M, B8C, B8T, B8CL2, B8MCL2, B8A, B8MA, B8T, B8TA.
ASTM A350	LF1, LF2, LF3, LF5, LF6, LF9, LF787.
ASTM A453	660A, 660B, 660C, 660D, 651A, 651B, 662A, 662B, 665A, 665B, 668A, 668B.
ASTM A479	304, 304L, 304N, 310S, 316, 316L, 316Ti, 316N, 316LN, 321, 410.

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Macro Revision 13

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Standard	Grade
ASTM A564	630A, 630H900, 630H925, 630H1025, 630H1075, 630H1100, 630H1150, 630H1150M, 630H1150D, 632RH950, 632TH1050.
ASTM B164	N04400, N04405.
ASTM B166	N06600
ASTM B408	N08800, N08810, N08811.
ASTM B446	N06625, N06625 GR1, N06650.
ASTM F468	N07080
ASTM B574	N06022
ASTM F467	613, 614, 630, 710, 715, 276, 400, 500, 59, 625, 686, 2, 5, 23.
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Standard	Grade
ISO 898-1	CL4.6, CL4.8, CL5.6, CL5.8, CL6.8, CL8.8, CL9.8, CL10.9, CL12.9.
ISO 898-2	CL5, CL6, CL8, CL9, CL10, CL12.
ISO 3506-1	A1, A2, A3, A4, A5.
NF EN10269	25CrMo4, 42CrMo4, 40CrMoV4-6, 21CrMoV5-7, 34CrNiMo6, 30CrNiMo8, X19CrMoNbVN11-1, X2CrNi18-9, X5CrNi18-10, X2CrNiMo17-12-2, X5CrNiMo17-12-2,
NF EN10083-2	C35, C40, C45, C55, C60.
NF EN10088-3	25CrMo4, 25CrMoS4, 42CrMo4, 42CrMoS4, 34CrNiMo6, 30CrNiMo8.
NF EN10272	X12Cr13, X2CrNi18-9, X5CrNi18-10, X1NiCrMoCu25-20-5.
NF EN10088-3	X12Cr13, X30Cr13, X17CrNi16-2, X4CrNiMo16-5-1, X5CrNiCuNb16-4, X2CrNi18-9, X5CrNi18-10, X8CrNiS18-9, X6CrNiTi18-10, X1NiCrMoCu25- 20-5, X2CrNiMoN22-5-3.

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