



CERTIFICATE OF APPROVAL

Quality Assurance System for Material Manufacturer

Name and Address of
Manufacturer: **Steel Industries Inc**
12600 Beech Daly Road
Redford Township, MI 48239
USA

We hereby certify that the above named material manufacturer has established and applies a Quality Management System and has undergone a Specific Assessment for Materials according to:

**The European Pressure Equipment Directive 97/23/EC;
Annex 1 § 4.3.**

for:

Custom Open Die Press and Seamless Rolled Ring Forgings of Ferrous (Carbon, Alloy, Tool & Stainless Steels) Non-Ferrous (Aluminium, Titanium, Nickel and Copper Alloys) and other Aerospace Alloys including associated heat treatments.

For scope of materials covered by this certificate see attached page(s).

This certificate is valid until the expiry date indicated below subject to satisfactory surveillance by Bureau Veritas authorised personnel.

Audit No: 2025-HST-08

Certificate No: CE /0041/PED-MM-SII-001-08-USA

Date Issued: 16 August 2008

Expiry date: 15 August 2011

Issued at: Manchester, United Kingdom

Signed by:

Technical Manager

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Notified Body Reference No. 0041



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Materials covered by this certificate:

Designation of Product	Reference Standard	Comments
Carbon Steels	ASTM, API, AMS, Customer	
Alloy Steels	ASTM, API, AMS, Customer	
40XX, 41XX, 43XX, 86XX, 87XX, 93XX, 52100		
Tool Steels	ASTM, Customer	
A, D, H, L, S, & M		
Stainless Steels	ASTM, AMS, Customer	
Austenitic, Martensitic, Duplex, Precipitation Hardening, Ferritic		
Aluminium	ASTM, AMS, Customer	
6XXX, 2XXX, 7XXX in the F, O, O1, T4, T6, T8, T73, T74, TX51, TX52 tempers		
Nickel & other super alloys	ASTM, AMS, Customer	
Titanium	ASTM, AMS, Customer	
Customer conversion of various grades of commercially pure		
Copper	ASTM, AMS, Customer	
Various		
SEE ATTACHED FORGING INVENTORY LISTING FOR SPECIFIC GRADES		

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Bureau Veritas UK Limited, Parklands, Wilmslow Road, Didsbury, Manchester, M20 2RE, United Kingdom

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Forging Inventory

Carbon & Alloy Steels	Stainless	Tools Steels
1018	13Cr-8Ni VIM/VAR	A-2
1020	15Cr-5Ni VAR	A-6
1030	17Cr-4Ni	A-9
1045	303	A-10
3310	304 / 304H / 304L	D-2
4130	310	D-3
4130 AQ	316 / 316H / 316L	D-5
4140 / 4140H	317 / 317L	H-13
4140 AQ	321 / 321H	L-6 (4370)
4150	330	S-7
4150 AQ	347 / 347H	
4320	403	High Speed
4330 MOD	405	M-2
4330 MOD VAR	409	
4340 / 4340H	410 (A182F6A)	Nickel / High Temp
4340 AQ	416	625 ESR
4340 VAR	420 / 420VAR	718 / 718T
300M VAR	422 / 422ESR /	825
52100 / 52100-2	422VAR	ALLOY 800
8620	430	
8620 AQ	431	Aluminum
8630 / 8630H	440C / 440C VAR	2014 / 2214
8640 / 8640H	904L	2024 / 2224
9310 VAR	A182F44 (254SMO)	2219 / 2419
A105	A182F51 / F60 (2205)	5083
A182F11 /	A182F53	6061
A182F12	A182F55	7050
A182F22	A182F6NM	7075 / 7175
A182F5 /	NITRONIC 50	
A182F5A	NITRONIC 60	Special Grades
A182F9		1008 VAR (C.E.I.)
A182F91		ALLROLL HC
A266CL2 /		AHT28 (EN30B)
A266CL4		
A350LF2		
A350LF6		
A694		
NIT135 MOD		

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