

Date: 2/17/2014 To: CMI, INC. SO#: A598796 Ln#: 1 PO#: 33935 Part: NI4006.5HF Heat#: 258178 Tag: V3187317B

# Acciaierie Valbruna S.p.A.



QUALITY MANAGEMENT SYSTEM CERTIFIED BY LLOYD'S REGISTER

258178  
6.5 in

**CERTIFICATO DI COLLAUDO**  
**ABNAHMEPRUEFZEUGNIS**  
**INSPECTION CERTIFICATE**  
**CERTIFICAT DE RECEPTION**  
EN 10204 (2004) , 3.1

Heat #  
258178  
Trace #  
T0776144

36100 VICENZA (Italia) - Viale della scienza, 25 z.i.  
Stab.: 39100 BOLZANO (Italia) - Via A. Volta, 4

Clienti / Customer/Purchase/Client  
VALBRUNA STAINLESS INC.  
2400 TAYLOR STREET WEST  
46801-FORT WAYNE, IN 46801-US

Produttore: ACCIAIERIE VALBRUNA S.P.A.  
Hersteller/Item/Usine producer

Avviso di Spedizione: D-VI12026728  
Lieferanzzeit/Packing list/B.L.

Ordine nr: 31873 ALLOY 400 HF-HF  
Bestell/Your order/Commande

Tipo di Elaborazione: E+AOD  
Erwärmungszeit/Annealing process/Mode d'elaboration

Certificato nr: MEST245049/2012/  
Prüfung/Test/Essai

Conferma ordine nr: SP12000088  
Werkz/Our Order/Ref nr.

Marchio di Fabbrica:  
Zeichen des Lieferwerkes  
Trade mark  
Sigle de l'usine productrice



Punzone del Collaudatore:  
Stempel des Werkssachverständigen  
Inspector's stamp/Pointon de l'essayeur



Stato di fornitura: - Untreated Peeled  
Lieferzustand/Delivery state/Etat de livraison

Specifiche:  
Anforderungen / Requirements / Exigences

VSSI 1 400 RD HF  
ASTM B164 RD 2003 N04400 HW  
QQ-N-281 RD D/2 CLASS A HF

ASME SB164 RD 2010 N04400 HW (0)  
ASTM B564 2010 N04400 (2)

ASME SB564 2010 N04400 (1)  
NACE MR0175 2009 N04400 (3)

- (0) SEC.II PT.B 2010 EDITION ADD. 2011a
- (1) Chemical analysis only.
- (3) ANSNACE MR0175/ISO 15156-3, second edition 2009-10-15

- (1) SEC.II PT.B 2010 EDITION ADD. 2011a
- (2) Chemical analysis only.
- (3) Technical circular 1:2011 Published 2011-06-14

Qualità: 400  
Werkstoff/Grade/Nuance

Pos. nr. Item nr. Nr. de poste	Objetto Product description Descrip. du produit	Dimensioni - In Abmessungen Dimension Dimension	Lunghezza - Ft Länge Length Longueur	Colata Schmelze Heat Coulée	Pezzi Stückzahl Pieces Pièces	Peso - LB Gewicht Weight Poids	Lotto nr. Losnr. Lot nr. Lot nr.
0170	Round	6,5000	14 / 14	258178		5.291	201204141

TEST ALLO STATO DI FORNITURA										
Test on delivery condition Prüfung auf Lieferbereitem produkt test a l'état de fourniture Prueba sobre el material así como entregado										
TEST	Provetta/Pretest Bendprobe/Vorprobe Längs-Diam. Dicke Welle Diam. Thickness Läng. diam. épaisseur	°F	Post. Saggio Probenlage Position	Sneramento Biegeprobe Yield Stress Limite élastique Rp 0,2% k.s.l.	Sneramento Biegeprobe Yield Stress Limite élastique	Resistenza Zugfestigkeit Tensile strength Résistance à traction Rm k.s.l.	Allungamento Biegeprüfung Elongation Allongement E 4d %	Strizione Biegeprüfung Reduction of area Striction RA %	Resilienza Hartungsprüfung Impact Value Resilience	Durezza Härte Hardness Dureté HB
Valori richiesti 1 Anforderungen/required values Valeurs demandées		min		41	-	81	30	-	-	325
A	12,5	68	L	46	-	85	48	79	151	

## Analisi chimica

Chemische Zusammensetzung/Chemical Analyse/Analyse chimique

Colata Heat Schmelze/Coulée	min max	0,20 0,50	2,00	26,00 34,00	63,00	-	0,50	0,020	0,015	0,0080	2,50	0,0080	0,020	-	-
	C %	Si %	Mn %	Cu %	Ni %	Co %	Al %	P %	S %	Pb %	Fe %	Sn %	Zn %		
258178	0,11	0,18	0,87	32,10	64,37	0,02	0,02	0,002	0,001	0,0010	1,98	0,0008	0,004		
Colata Heat Schmelze/Coulée	min 63,00 max 70,00														
258178	Ni+Co % 64,39														

Each lot of material has been sampled, tested and inspected according to the QQ-N-281 and meets all specification requirements.  
Material is DFARS Compliant

ALLEGATI Anlagen Enclosure P.i. :  
UT12004812

Sono state soddisfatte tutte le condizioni richieste  
Die gestellten Anforderungen sind in Anlage erfüllt  
The material has been furnished in accordance with the requirements  
Le matériel a été fourni conforme aux exigences

Controllo antimiscelazione: OK  
Verwechslungsprüfung: spezimantalytisch durchgeführt  
Antimixing testing performed: OK  
Contrôle antimélange fait: r.a.a.

Controllo visivo e dimensionale: soddisfa le esigenze  
Beisichtigung und Ausmessung: ohne Beanstandung  
Visual inspection and dimensional check satisfactory  
Contrôle visuel et dimensionnel satisfaisant

Vicenza, 18/09/12 VONCA (Mod. MCE2)	Il collaudatore di stabilimento / der Werkssachverständige / Works Inspector / L'agent d'usine M. Rizzotto	Pagina - 1 di 2
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QUALITY MANAGEMENT SYSTEM  
CERTIFIED BY LLOYD'S REGISTER

## CERTIFICATO DI COLLAUDO ABNAHMEPRUEFZEUGNIS INSPECTION CERTIFICATE CERTIFICAT DE RECEPTION EN 10204 (2004) , 3.1



36100 VICENZA (Italia) - Viale della scienza, 25 z.i.  
Stab.: 39100 BOLZANO (Italia) - Via A. Volta, 4

Cilente / Besetler/Purchaser/Client  
VALBRUNA STAINLESS INC.  
2400 TAYLOR STREET WEST  
46801-FORT WAYNE, IN 46801-US

Produttore: **ACCIAIERIE VALBRUNA S.P.A.**  
Hersteller/Item/Usine production

Stato di fornitura: - Untreated Peeled  
Lieferzustand/Delivery state/Etat de livraison

Avviso di Spedizione: D-VI12026726  
Lieferanzugs/Packing list/B.L.

Ordine nr: 31873 ALLOY 400 HF-HF  
Bestell/Your order/Commande

Tipo di Elaborazione: E+AOD  
Ernechtungsart/Melting process/Mode of elaboration

Certificato nr: MEST245049/2012/  
Prüfung/Teil/Essai

Conferma ordine nr: SP12000068  
Werkz/Our Order/Ref nr.

Marchio di Fabbrica:  
Zeichen des Lieferwerkes  
Trade mark  
Sigle de l'usine production



Punzone del Collaudatore:  
Stempel des Werksachverständigen  
Inspector's stamp/Poinçon de l'essayeur



Melted and manufactured in Italy No welding or weld repair Material free from Mercury contamination  
We declare that the finished product is checked for radioactive contamination through Portal System when it leaves the production plant.  
The Quality Management System is Certified acc. Pressure Equipment Directive [97/23/EC] Annex 1, s., 4.3 by TUEV and LLOYD'S  
Any act of tampering, modification, alteration, counterfeiting and/or falsification and/or any other action which modifies the contents of this test certificate shall constitute a violation of applicable civil and criminal laws. Acciaierie Valbruna shall protect its rights and interests before any competent court, authority and jurisdiction.  
The supplied product conforms to requirements expressly requested by the purchaser and conforms to requirements specified by certified norms and standards. Should the product be used for more severe, critical and/or in any case different applications than those the material is generally intended for, any different and/or supplementary requirements shall be specifically demanded, at least, upon order of the Product by the Purchaser. Acciaierie Valbruna SpA shall not be responsible for any improper use of the Products.

Vicenza, 18/09/12

VCC008  
(Mod. MCE2)

Il collaudatore di stabilimento / der Werksachverständigen / Works inspector / L'agent d'usine

M. Rizzotto *[Signature]*

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