

Acciaierie Valbruna S.p.A.



QUALITY MANAGEMENT SYSTEM
CERTIFIED BY Lloyd's Register

255992

Avviso di Spedizione: D-BZ12004921
Lieferungsgepäckung 120/BL

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

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

Clients / Baselle/Furchaser/Clients
VALBRUNA STAINLESS INC.
2400 TAYLOR STREET WEST
46801-FORT WAYNE, IN 46801-US

Produttore: **STABILIMENTO DI BOLZANO**
Hersteller/Werks/Usine productrice

Ordine nr: 33759 STOCK CHINO
Bestell/Your order/Commande

Certificato nr: MEST237276/2012/
Prüfung/Test/Essai

Conferma ordine nr: EI12006432
Werkz/Our Order/Plat nr.

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



Stato di fornitura: Polished Annealed Peeled
Lieferzustand/Lieferungszustand/État de livraison

Tipo di Elaborazione: E+AOD
Erschließungsart/Meining process/Mode de fabrication

Punzione del Collaudatore:
Stempel des Werkstättenverständigen
Inspector's stamp/Ponpon de l'essayeur

Specifiche:
Anforderungen / Requirements / Exigences

ISI 0 316/316L A
AMS 5653 F S31603 A
ASME SA193 2010 B8M CLASS1 (1)
ASME SA479 2010 S31600/03 A (4)
ASTM A262 2010 PRACTICE E
ASTM A320 2011A B8M CLASS1
ASTM A479 2011 S31600/03 A
QQ-S-763 F 316/316L A

AISI 316/316L
AMS-QQ-S-763 B 316/316L A
ASME SA278 2010 S31600/03 A (2)
ASTM A182 2011A S31600/03 A (5)
ASTM A278 2010 S31600/03 A
ASTM A370 2011A
MIL-S-862 B/1 316/316L

AMS 5648 L S31600 A
ASME SA182 2010 S31600/03 A (0)
ASME SA320 2010 B8M CLASS1 (3)
ASTM A193 2011A B8M CLASS1
ASTM A314 2008 S31600/03
ASTM A473 2001 S31600/03 (6)
NACE MR0175 2009 S31600/03 A (7)

- (0) SEC.II PT.A 2010 EDITION ADD. 2011a
- (1) SEC.II PT.A 2010 EDITION ADD. 2011a
- (3) SEC.II PT.A 2010 EDITION ADD. 2011a
- (5) For products machined directly from bar refer to ASTM A479.
- (7) ANS/NACE MR0175/ISO 15166-3, second edition 2009-10-15

- (0) For products machined directly from bar refer to ASME SA479.
- (2) SEC.II PT.A 2010 EDITION ADD. 2011a
- (4) SEC.II PT.A 2010 EDITION ADD. 2011a
- (5) Chemical analysis only.
- (7) Technical circular 1:2011 Published 2011-06-14

Qualità: 316/316L / S31603
Werkstoff/Grade/Vuance

Marca: **MVAPML
MAXIVAL**

Tolleranza: **ASTM A484-11**
Toleranz/Abwancung/Tolerance

Punzonatura: 316/316L
Kennzeichnung/Marking/Markage

Pos. nr. Item nr. Nr. de poste	Objetto Object Product description Descr. du produit	Dimensioni - in Abmessungen Dimension Dimension	Lunghezza - in Länge Length Longueur	Colata Schmelze Heat Coulée	Pezzi Stückzahl Pieces Pièces	Peso - LB Gewicht Weight Poids	Lotto nr. Losnr. Lot nr. Lot nr.
0030	Round	2,1250	137 / 155	255992		2.822	113805110

TEST ALLO STATO DI FORNITURA									
Test on delivery condition Prüfung auf lieferbarem produkt test à l'état de fourniture Prueba sobre el material así como entregado									
TEST	Provetta/Probena Specimen/Especimen Längs-Querschnitt Dreh-Querschnitt Wahl-Form, Dicke Längs-Querschnitt mm	Temperatura Temperatur Temperature Température °F	Sneramento Biegeversuch Tensile Rp 0,2% k.s.l.	Sneramento Zugversuch Tensile Yield stress Upper elastic	Resistenza Zugfestigkeit Tensile strength Resistance à traction Rm k.s.i.	Allungamento Bruchdehnung Elongation Allongement E 4d %	Strizione Reduction of area Striction RA %	Resistenza Kerbschlagversuch Impact Value Resilience	Durezza Härte Hardness Dureté HB
TEST	Valori richiesti Anforderungen/Requisits Valeurs demandées	min max	30	-	75 115	40	50	-	140 223
A	12,5	68	L 47		91	51	70		182
TEST	Grain size for ASTM E112	min	max						6

Mechanical properties according to ASTM A370.

1)-Längs- und quer, 2)-Trennschlagversuch, 3)-Tangentialversuch

Analisi chimica

Chemische Zusammensetzung/Chemical Analysis/Analyse chimique

Colata/Heat Schmelze/Coulée	min - max 0,030	1,00	1,25 2,00	16,50 18,00	2,00 3,00	1,00	10,00 14,00	-	0,040	0,020 0,030	0,100	-	-	-
255992	C %	Si %	Mn %	Cr %	Mo %	Cu %	Ni %	Co %	P %	S %	N %	-	-	-
	0,015	0,54	1,55	16,75	2,05	0,70	10,07	0,108	0,031	0,030	0,060			

Produced without class I-II Ozone depleting substances.
Solution heat treated free from continuous carbide network.
Annealing temperature: 1940°F for 1.5 h/water.
Micro and macro etch test: OK
Intergranular corrosion test per ASTM A262 pract. E: ok.
Material is DFARS Compliant

Bolzano, 12/09/12 DOL611 (Mod. MCE8)	Il collaudatore di stabilimento / der Werkstättenverständige / Works Inspector / L'agent d'usine <i>M. Rizzotto</i>	Pagina - 1 di 2
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From: Copper and Brass Sales CA

Cust. ATLANTIS INDUSTRIES Del.: 2402339559
CstAr CstOr Bozo
Wgt.: 473.000 LB Date 02/28/2013

John L. Zambetti

Acciaierie Valbruna S.p.A.



QUALITY MANAGEMENT SYSTEM
CERTIFIED BY LLOYD'S REGISTER

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

38100 VICENZA (Italia) - Viale della scienza, 25 z.i.
Stab.: 39100 BOLZANO (Italia) - Via A. Volta, 4

Cliente / Destinatario/Purchaser/Cliant
VALBRUNA STAINLESS INC.
2400 TAYLOR STREET WEST
46801-FORT WAYNE, IN 46801-US

Produttore: **STABILIMENTO DI BOLZANO**
Hersteller/Item/Usine producer

Stato di fornitura: Polished Annealed Peeled
Lieferzustand/Delivery state/État de livraison

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

Avviso di Spedizione: D-BZ12004921
Lieferanzigabe/Packing list/D.L.

Ordine nr: 33759 STOCK CHINO
Bestell/Your order/Commande

Tipo di Elaborazione: E+AOD
Erschmelzungsart/Melting process/Mode d'elaboration

Controllo antimiscelanza: OK
Verunreinigungsprüfung: spezialanalytisch durchgeführt
Antimixing testing performed: OK
Contrôle antimélange fait: r.t.t.e.

Certificato nr: MEST237276/2012/
Prüfung/Test/Essai

Conferma ordine nr: EI12006432
Werk's/Our Order/Rei nr.

Marchio di Fabbrica:
Zeichen des Lieferanten
Trade mark
Sigle de l'usine producer



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



Controllo visivo e dimensionale: soddisfa le esigenze
Beobachtung und Ausmessung: ohne Beanstandung
Visual inspection and dimensional checks: satisfactory
Contrôle visuel et dimension: satisfaisant

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.
Maximal and/or Valplus grades/products are manufactured with ladle techniques to control composition, distribution, size and shape of non-metallic inclusions for improved machinability.
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.

Bolzano, 12/09/12 BBL011 (Mod. MCE2)	Il collaudatore di stabilimento / der Werkssachverständige / Works Inspector / L' agent d' usine M. Rizzotto	Pag. 1a - 2 di 2
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