

Acciaierie Valbruna s.p.A.



QUALITY MANAGEMENT SYSTEM
CERTIFIED BY LOTOS REGISTER

CERTIFICATO DI COLLAUDO ABNAHMEPRUEFZEUGNIS INSPECTION CERTIFICATE CERTIFICAT DE RECEPTION EN 10204 (2005) , 3.1

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

Cliente / Basestor/Purchaser/Cliet
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-VI11027037
Lieferanzzeit/Packing Est.B.L.

Ordine nr: 29818 STOCK CHINO
Bestell./Your order/Commande

Tipo di Elaborazione: E+AOD
Erzeugungsgang/Meining process/Mode d'elaboration

Certificato nr: MEST094041/2011/
Prüfung/Test/Essai

Confirma ordine nr: E111002637
Werkz./Our Order/Ref. nr.

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

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



Stato di fornitura: - Annealed FORGED
Lieferzustand/Delivery state/Etat de livraison

Specifiche:
Anforderungen / Requirements / Edgenoes

VSI 0 304/304L A
AMS-QQ-S-763 B 304/304L A
ASME SA276 2010 S30400/03 A (2)
ASTM A182 2010A S30400/03 A (5)
ASTM A276 2010 S30400/03 A
ASTM A370 2011
MIL-S-862 B/1 304/304L

AMS 5839 H S30400 A
ASME SA182 2010 S30400/03 A (0)
ASME SA320 2010 B8 CLASS1 (3)
ASTM A193 2011 B8 CLASS1
ASTM A314 2008 S30400/03
ASTM A473 2001 S30400/03 (6)
NACE MR0175* 2003 S30400/03 A (7)

AMS 5647 H S30403 A
ASME SA193 2010 B8 CLASS1 (1)
ASME SA479 2010 S30400/03 A (4)
ASTM A262 2010 PRACTICE E
ASTM A320 2011 B8 CLASS1
ASTM A479 2011 S30400/03 A
QQ-S-763 F 304/304L A

- (0) SEC.II PT.A 2010 EDITION
- (1) SEC.II PT.A 2010 EDITION
- (3) SEC.II PT.A 2010 EDITION
- (5) For products machined directly from bar refer to ASTM A479.
- (7) * ISO 15156-3, Tec. corrigendum 1 2005/02/16 & 2 2005/09/01

- (0) For products machined directly from bar refer to ASME SA479.
- (2) SEC.II PT.A 2010 EDITION
- (4) SEC.II PT.A 2010 EDITION
- (5) Chemical analysis only.

Qualità: 304/304L
Werkstoff/Grade/Alliance

Marca: AISI
Markenbezeichnung/Brand/Alliance

Punzonatura: 304/304L
Kennzeichnung/Marking/Marqueage

Pos. nr. Pos. nr. Nm. de poste	Oggetto Gegenstand Item nr. Description Déscription du produit	Dimensioni - in Abmessungen Dimension Dimension	Tolleranza Tolerance Allowance Tolerance	Lunghezza - in Länge Length Longueur	Colata Schmelze Heat Cauté	Pezzi Stückzahl Pieces Pièces	Peso - LB Gewicht Weight Poids	Lotto nr. Lotnr. Lot nr. Lot nr.
0100	Round	18,1874	ASREQ	91 / 95	255571		20.759	107507440

TEST ALLO STATO DI FORNITURA

Test on delivery condition Prüfung auf lieferbarem produkt test a l'etat de fourniture Prueba sobre el material así como entregado

TEST	Provetta/ Specimen/Epruvette Long. diam. Spool, Gross Diam. Thick Wall Clam. Thicknes Lap. diam. epite mm	° F	Posiz. Boglio Position Lieu 1)	Snarramento Strength Yield Stress Limite élastique Rp 0,2% k.s.l.	Snarramento Strength Yield Stress Limite élastique	Resistenza Zugfestigkeit Tensile strength Résistance à traction Rm k.s.l.	Allungamento Bruchdehnung Elongation Allongement E 4d %	Strizione Bruchdehnung Reduction of area Etriction RA %	Resilienza Kerbschlagarbeit Impact Value Resilience	Durezza Härte Hardness Dureté HB
	Valori richiesti 1 Anforderungen/Requisit values Valeurs demandées	min max		30	-	75 115	- 40	- 50	-	140 223
A	12,5	68 L		37		82	60	76		165

TEST	min	max
A	Grain size for ASTM E112	4

1) L=longitudinale/länge, T=transversale/quer, O=Tangenziale/tangentiel

Mechanical properties according to ASTM A370.

Analisi chimica

Chemische Zusammensetzung/Chemical Analyse/Analyse chimique

Colata / Heat Schmelze/Cauté	min - max 0,030	1,00	2,00	18,00 20,00	1,00	1,00	8,00 10,50	-	0,040	0,020 0,050	0,100	-	-	-	-
	C %	Si %	Mn %	Cr %	Mo %	Cu %	Ni %	Co %	P %	S %	N %				
255571	0,017	0,56	1,73	18,25	0,50	0,52	8,18	0,105	0,035	0,025	0,080				

Produced without class I-II Ozone depleting substances.
Solution heat treated free from continuous carbide network.
Annealing temperature: 1940 °F for 12 h/water.
Micro and macro etch test: OK
Reduction ratio > 4 : 1
Intergranular corrosion test per ASTM A262 pract. E: ok.

Vicenza, 06/09/11 vcc008 (Mod. MCE2)	Il collaudatore di stabilimento / der Werkssachverständige / Works Inspector / L'agent d'usine M. Rizzotto	Pagina - 1 di 2
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Acciaierie Valbruna S.p.A.



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VALBRUNA STAINLESS INC.
2400 TAYLOR STREET WEST
46801-FORT WAYNE, IN 46801-US

Produttore: **ACCIAIERIE VALBRUNA S.P.A.**
Hersteller/Manufacturer

Stato di fornitura: - Annealed FORGED
Lieferzustand/Delivery state/Etat de livraison

Avviso di Spedizione: D-VI11027037
Lieferanzeige/Packing list/B.L.

Ordine nr: 29818 STOCK CHINO
Bestell/Your order/Commande

Tipo di Elaborazione: E+AOD
Ernechtelungsart/Manufact process/Mode of elaboration

Certificato nr: MEST094041/2011/
Prüfung/Test/Essai

Conferma ordine nr: EI11002637
Werk's/Our Order/Ref. nr.

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



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

Material is DFARS Compliant

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 trouvé conforme aux exigences

Controllo antimiscelanza: OK
Verwechslungsprüfung: spezialanalytisch durchgeführt
Antimixing testing performed: OK
Contrôle antimélange fait: r.s.s.

Controllo visivo e dimensionale: soddisfa le esigenze
Besichtigung und Ausmessung: ohne Beanstandung
Visual inspection and dimensional check: 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 TÜEV 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, 06/09/11
VCO005
(Mod. MCE2)

Il collaudatore di stabilimento / der Werkssachverständige / Works Inspector / L' agent d' usine
M. Rizzotto

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