

DOCUMENT NO.

HI-2595

Hy-Tek (ENGINEERING SERVICES) LTD.TOOLMAKERS—INSTRUMENT MANUFACTURERS AND PRECISION ENGINEERS
MANUFACTURERS OF SPECIAL PURPOSE MACHINERY
WELDING AND FABRICATION

Telephone: (0493) 855345

Fax: (0493) 854907

Registered Office and Works:

MAIN CROSS ROAD

GREAT YARMOUTH

NORFOLK NR30 3PD

CONTRACT NO.:.....9548.....
 CONSIGNEE:.....S.M.D.-HYDROVISION LIMITED.....
 ADDRESS: WINCOMBLEE RD., WALKER, NEWCASTLE-UPON-TYNE..
 ORDER NO.:.....59100.....

Certificate of Conformance

DESCRIPTION	QTY	SPEC/DRG. NUMBER & ISSUE NUMBER	IDENTIFICATION SERIAL Nos.	BATCH No.	CAST No.	TEST REPORT No.
BRACKET GYRO MOUNT.	2	AA7963, ISS. 0.				TT8650
ADAPTOR UMBILICAL GLAND.	1	AA6664. ISS. 0.				TT8845
CONDITIONS OF MATERIALS AS DESPATCHED						
MTL' CERT'S ENCLOSED.						
DETAILED RECOMMENDATIONS FOR SUBSEQUENT HEAT TREATMENT(S) WHERE SUCH IS NOT STIPULATED IN THE RELEVANT SPECIFICATION						
DEVIATIONS (EG. MAJOR CONCESSIONS OR PRODUCTION PERMITS).						

THE ITEMS ON DELIVERY NOTE No. Y34035 HAVE BEEN INSPECTED AND TESTED TO THE DRAWING/PART AND/OR SPECIFICATION NUMBER LISTED ABOVE AND HAVE BEEN FOUND TO CONFORM IN ALL RESPECTS TO THE REQUIREMENTS OF THE ORDER. FURTHERMORE, THE RAW MATERIALS AND/OR PARTS HAVE BEEN OBTAINED FROM THE APPROVED SOURCES SUPPORTED BY RELEASE NOTES/APPROVED CERTIFICATES WHEN REQUIRED.

SIGNED:.....A.V. Smith.....

POSITION: INSPECTOR

FOR & ON BEHALF OF: HY-TEK(ENG. SERVICES) LTD

DISTRIBUTION:—

DATE:31-10-07.....

LiaoNing ZhongWang Group Co., Ltd

Tel: 0086-419-4155592 Fax: 0086-419-4155591
299 Wensheng Road, Liaoyang city, Liaoning Province, P. R. China 111003

Inspection Certificate

3.1 EN 10204

Customer: Metalfast Limited
Order Number: 62392
SOMA Order no.: 2006-20031
ART-NR: SOMA-A000829
Alloy & Temper: 6082-T6
Production Description: Alu Angle with
Dimension: 3*2*0.25
Heat Number: zw06080497
Date: 2006.10.08

CHEMICAL ANALYSIS: % 573-3

Mg	Si	Fe	Cu	Zn	Mn	Cr	Ti	Other		Al
								EACH	TOTAL	
0.80	0.92	0.12	0.02	0.01	0.50	0.01	0.0	< 0.05	< 0.15	REM

TENSILE TEST: EN 755-2

Ultimate Strength R _m MPa	Yield Strength R _{p0.2} MPa	Elongation A % Min.
361	305	12

We hereby certify that the item listed have been checked and tested in accordance with the specifications noted and have been found to meet all the applicable requirements. Certifications are kept on file for 36 months from the date of purchase and are available for review upon request.

Li Yan Song

Li Yan Song, Quality Manager



BATCH 159240
28 NOV 2006
ENTERED *h*
VERIFIED TRUE COPY OF ORIGINAL
TEST CERTIFICATE IN OUR POSSESSION
SIGNED *L. HODDER*
DATED 23/10/10

Despatch No.: 857812 Date: 20/04/07 S/O No.: 340972 Cust Name: HYT003
Cust Ref: Y48493 Parent: 159740 Cast No.: ZW06080497 Pack No.: 1/1
Weight: 10.550 Pieces: 1 Size: 5.000 Supplied by Metalfast Ltd

T18650

A Company
of ThyssenKrupp
Services

Metalfast



Thyssen

Hy-tek (Engineering Services) Limited
Main Cross Road
Great Yarmouth
Norfolk
NR30 3PD

CERTIFICATE OF CONFORMITY

Certificate No.....: 340972 / 11 / 857812
Customer Purchase Order No: Y48493
MetalFast Delivery Note No: 857812
Despatch Date.....: 20/04/07
Description.....: ALUM ALLOY ANGLE 6082T6
Quantity/Size.....: 1 Off 3" X 2" X 1/4" x 5.000 Metres
WRAPPED

Quantity	Stock No	Our Ref.	Test Cert No	Cast Number	App
1	159740	2006-12093	SOMA-A000829	ZW06080497	

Certified that the whole of the supplies detailed hereon, unless otherwise stated, are covered by the source's Certificate of Conformity or Test Certificate referenced hereon and has been subject to Metalfast's approved quality management system.
Metalfast has been registered by SGS Yarsley ICS against ISO 9001, certificate number Q13341

Metalfast
A Division of ThyssenKrupp Materials (UK) Ltd.
Blackworth Industrial Estate
Highworth, Swindon, Wiltshire SN6 7RF
Phone: +44 1793 767676, Fax+44 1793 767654
Internet: www.metalfast.co.uk
Registered Office: ThyssenKrupp Materials (UK) Ltd.
Cox's Lane, Cradley Heath, B64 5QU
Registered in England No. 645702, VAT Reg. No: GB 695967844

Swindon sales Tel: 01793 767676 Fax: 01793 767654
Midlands sales Tel: 0121 521 1111 Fax: 0121 521 113
North West sales Tel: 0161 494 3636 Fax: 0161 494 36
Yorkshire sales Tel: 0113 2012400 Fax: 0113 2012409
Anglia sales Tel: 01480 451144 Fax: 01480 420910
Accounts Tel: 01793 767670 Fax: 01793 767650
Email: sales@metalfast.co.uk

T18650

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Stoch 1/07
3 3/4 die

Austraße 4
D-58452 Witten
Telefon: (02302)29-0
Telefax: (02302)29-4000
Postanschrift: D-58449 Witten
http://www.edelstahl-witten-krefeld.de

EDELSTAHL WITTEN-KREFELD GMBH

Datum/Date: 16.11.06

Seite/Page: 1 / 2

Zertifiziert nach:	AD2000 W 0 TRD 100	Werkstofflieferant gemäß Druckgeräterichtlinie 97 / 23 EG
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Abnahmeprüfzeugnis nach DIN EN 10204 3.1/01.05
Inspection Certificate acc.to/Certificat de réception selon DIN EN 10204 3.1B/08.95
Zeugnis-Nr./Certificate No./No.de Certificat 1204094/793115/bit

Herstellerzeichen/Supplier's Mark/Marque d'usine	
Prüfstempel/Inspector's stamp/Poinçon de l'expert	

Ihre Auftr.-Nr. vom Your order No. date /No.de votre commande du	Unsere Material-Nr. Our material No./No.de notre matériel
208644 / 19.05.06	2147023
Unsere Auftr.-Nr. Our order No./No.de notre Commande	Telefon/Telephone/Téléphone
371052 / 3	02302/294990
Unsere Abteilung/Our department/Notre département	
VBR4	

Produkt/Product/Produit

STAEBE AUS NICHTTOSTENDEM STAHL
BS TYPE 316S11/316S31, TYPE 316L,
GEWALZT, ABGESCHRECKT, GERICHTET,
GESCHAEALT
BS 970 PART 1/96, PART 3/91, BS 1502/87,
TYP 316 S11/316 S31, NACE MR 01/75,
ASTM A 182,276,479, ASME SA 182,479,
IN ANLEHNUNG AN DIN 17440, EN 10088/3,
STAEBE WURDEN NICHT REPARATURGESCHWEISST

STAINLESS STEEL BARS, REMANIT SUPER IM
BS TYPE 316S11/316S31, TYPE 316L,
HOT ROLLED, QUENCHED, STRAIGHTENED,
PEELED
BS 970 PART 1/96, PART 3/91, BS 1502/87,
TYP 316 S11/316 S31, NACE MR 01/75,
ASTM A 182,276,479, ASME SA 182,479,
FOLLOWING DIN 17440, EN 10088-3,
BARS HAVE NOT BEEN REPAIRED BY WELDING

Fertigungsauftr.-Nr./Production lot-No./Lot de fabrication No.	: 47146
Lieferschein-Nr./Delivery note/No. de l'avis de livraison	: 4307311
Schmelzen-Nr./Heat No./No.de coulée	: 607550
Stückzahl/Piece No./Nombre des pièces	: 13
Gewicht/Weight/Masse	: 4565 [kg]
Zeichnungs-Nr./Drawing No./No.du dessin	:
Format/Shape/Profil	: rund / round / rond
Durchm./Breite/Diameter/width/Diamètre/largeur	: 95.250 [mm] + 1.000/- 0.000 [mm]
Dicke/Thickness/Epaisseur	:
Länge/Length/Longueur	: 6000 - 6200 [mm]

Lieferzustand/Condition as supplied/Etat de livraison: 1050 °CLUFT-B
1920 DEGREES F SOLUTION ANNEALED AND QUENCHED, 1050 GRAD C
LOESUNGSGEGLUEHT UND ABGESCHRECKT, NO WELDING HAS BEEN PERFORMED,
AM MATERIAL WURDE NICHT GESCHWEISST

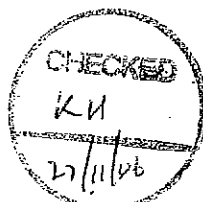
5247/1-2110
2-2105
3-350

Die Prüfergebnisse zu Ihrer Lieferung finden Sie auf der Rückseite bzw. den nächsten Seiten
As for test results of your delivery see overleaf. / Vous trouverez les resultats d'essais de votre livraison aux pages suivantes.

EDELSTAHL WITTEN-KREFELD GMBH
Abnahmetechnik/Inspection department/Département de Réception

Krause

Abnahmebeauftragter/Der Werkssachverständige
Test House Manager/Works' inspector/Resousable Reception/L'Agent Réceptionnaire de l'usine



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<http://www.edelstahl-witten-krefeld.de>

EDELSTAHL WITTEN-KREFELD GMBH

Datum/Date: 16.11.06

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Zeugnis-Nr. Certificate No./No.de Certificat	Unsere Auftr.-Nr. Our order No./No.de notre Commande	Ihre Auftr.-Nr. vom Your order No. date /No.de votre commande du	Fertigungsauftr.-Nr. Production lot-No./Lot de fabrication No.
1204094/793115/bit	371052 / 3	208644	47146

Schmelzen-Nr. Heat No./No.de coulée	Erschmelzungsart Steelmaking process/Procédé d'élaboration	Sekundärmetallurgie Secondary metallurgy/Metallurgie secondaire
607550	E	VOD

Chemische Zusammensetzung/ Chemical Composition/ Composition chimique

	C	Si	Mn	P	S	Cr	Mo	Ni	Cu	V	Al	N	B	
Ist/Actual/Actuel	0.020	0.40	1.65	0.028	0.023	16.51	2.06	11.09	0.26	0.02	0.003	0.057	0.0040	[%]
Nb														
Ist/Actual/Actuel	< 0.005													[%]

Härte/ Hardness/ Dureté

Lieferzustand/Condition as supplied/Etat de livraison

Proben-Nr./Specimen-No./No.d'éprouvette	
87844	
Ist/Actual/Actuel	155 [HB]

Zugversuch/ Tensile test/ Essai de traction

Lieferzustand/Condition as supplied/Etat de livraison

Probenabm./Specimen dimension/Dimension d'éprouvette		Probenrichtung/Specimen direction/Sens de Prélèvement		Prüftemp./Test temperature/Température d'essai		
Zugprobe: 12,5 mm rd		längs/longitudinal/longueur		23 [°C]		
Proben-Nr./Specimen-No./No.d'éprouvette	Rp0.2 [MPa (N/mm²)]	Rp1.0 [MPa (N/mm²)]	Rm [MPa (N/mm²)]	A5 [%]	A2'' [%]	Z [%]
87845	281	321	583	54.3	56.1	76

Interkristalline Korrosion/ Intergranular corrosion/ Corrosion intercrystalline

Beständig gemäß/Resistant according to/Résistant selon: ASTM A 262 Practice E

JS-Prüfung/ Ultrasonic testing/ Contrôle par ultrasons

Die Lieferung wurde US-geprüft nach/Delivery US-checked acc.to: ASTM A 388

Die Lieferung wurde auf Identität geprüft (Spectro.) / Identity has been checked (Spectro.)

Die Lieferung wurde besichtigt und auf Maß kontrolliert / Visual inspection and control of dimensional accuracy have been performed

Das Material ist frei von Radioaktivität. / The Product is free from radioactive. / Le matériel n'est pas radioactif.
El material es libre de radioactividad.

Erläuterung/ Explanations/ Explications

E = Erschmelzungsart / Steelmaking process / Procédé d'élaboration:

E = Elektrostahl / Electric-arc-furnace steel / Acier électrique

S = Sekundärmetallurgie / Secondary metallurgy / Metallurgie secondaire:

VOD = Vakuum-Sauerstoff-Entkohlungs-Verfahren / Vacuum-Oxygen-Decarburization / Vacuum-Oxygène-Décarburation

Es wird bestätigt, daß die Lieferung geprüft wurde und den Vereinbarungen bei der Bestellungsannahme entspricht.

We hereby certify that the material described above has been tested and complies with the terms of the order.

Nous certifions que la livraison été vérifiée et est conforme aux stipulations de l'acceptation de la commande.

T18845