

LOAD NUMBER

соисвиние тин опри ALL COMMENCE OMBENCE PLEASE GUOTE THIS HUMBER ON

RELEASE NOTE NUMBER

D000117568

CUSTOMER ACCOUNT NUMBER

2306-001

2,625 2,625

VILLIAMID

ALTERNATE PART NUMBER DRAWING ISSUE NUMBER

dan5-8-6x

Management

Miami FL 33172 9835 NW 14 St

Miami FL 33172 10000 NW 15th Terrace

Prepaid

CODE/AMOUNT

USA

21/7/2014

SCHEDULE DATE Ground

REQUEST DATE

19/3/2014

FEDEX

United States PART NUMBER

United States

LINE COLINE CATALOGUE NUMBER

1 6185578

HL110VF8-6

B/E Acrospace Consumables

B/E Aerospace, Inc Consumables Management

INVOICE ADDRESS

PO# 0WYE35

T30

NET 30 DAYS

Z000031062 TERMS CODE DESCRIPTION

CARRIER TYPE/CODE/DESCRIPTION

CARRIER NUMBER 19/3/2014

ADD ON CHARGE

ORDER DATE

DELIVERY ADDRESS

SPS Technologies Ltd. T. J. Brooks

BATCHILOT NUMBER

2,500

EA

A000044156-0000

CENT AC

HS305

SU MAICONA

45300

REMARKS:

CERTIFICATE OF CONFORMITY
BSI ISO 9001/AS9190 CERTIFICATE No. FM 286

These parts are shipped from TJ Brooks in compilence with all applicable U.K. export

Carified that the supplies debaled hereon have been manufactured, leated and impediad in accordance with the conditions and replanements of the contract or purchase order and unless otherwise noted conform in all respects to the specification(s), drawing(s) relevant thereto.

MTE : 29 8 114

wspectors

Test Certificate

Caw Material Certificate

Manufacturer's C of C (factored only)

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Não

Page 1 of 1

Documents Enclosed

324

SPIRE license ref:

WEIGHT 8.50

TOTAL QTY. DELIVERED

KCS

2,625

contrary to U.K. law is prohibited

SIGNED :

29/08/2014 - 4:57:08PM

GOODS OF UK ORIGIN
CHEMICAL AND PHYSICAL CERTS REQUIRED

RAW MATERIAL CERT REQUIRED

PROCESS CERT

INDIVIDUAL BOXES/ CARTONS MUST NOT EXCEED 40 LBS IN WEIGHT

BARCODE TO HONEYWELL REQUIREMENTS

SPOC 164 Compliant Product DFARS 252.225-7009 compliant SHIPPING TOLERANCE +5%/-10% FEDEX INTL ECON, AC #0331-0149-0



191 Barkby Road · Troon Industrial Area Leicester · LE4 9HX · England. Tel: 0116 276 8261 Fax: 0116 274 4946 E-Mail: jfowler@spstech.com www.spstech.com







TEST CERTIFICATE

B.S.I Registered to ISO 9001 : 2008 / AS9100 Cert No. FM 266

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BOLT CERTIFICATE

PART NUMBER:	HL110VF8-6	(ISS 25)	dan5-8-6x		ВАТ	CH NUMBER:		A000044	156-0000	
FORGING NUMBE	R: X20228		QUANTITY:	8310			DATE:		29/08/2014	
								IILL HEAT		
DOCKET NO:	AMS 4967	9920	PROC SPEC:	HS342	2		NO:	IILL HEAT	8R34559	
MATERIAL SPEC:	4V,TA2		MATERIAL SU	IPPLIER	: DY	NAMET	RELEAS	SE NO:	503357	
MICRO EXAMINATION as per LI20 and Procurement Specification: HS342										
SPS SAMPLE PACKET NUMBER: 11290814 NUMBER OF SAMPLES: 5 Metallographic examination conforms to procurement specification requirements in all respects.										
CHEMICAL ANALYSIS (%)										
The chemic	al analysis results	have bee	n taken from th	e origina	l mill	7 e) certificate and	are not l l	KAS accre	dited	
AI: 6.18	C: 0.018		Fe:	0.20	H ₂ :	or and and	0.0045		0.011	
O ₂ : 0.15	Ti: BAL		V:	4.06	Y:		<0.005			
HEAT TREATMENT RESULTS: 1. Test Bar tested per BS EN ISO 6892-1:2009 B20										
	U.T.S. (MPA) .2% P.S. (MPA)			of P) ELONGATION				% R.A.%		
-	-				-		man man	_		
ULTIMATE TENSILE per NASM1312 Test No. 8/108 DOUBLE SHEAR per NASM1312 Test No. 13/113										
1 N/A	11				740		11	12 1031140	. 13/113	
3	12			2	736		12			
4	13			3	736	1	13			
5	15			5		1	14 15			
16				6		1	13			
7 8	Min:			7			Min:	655	1	
9	Max: Unit:			8			Max:			
10				9 10			Jnit:	MPa		
	H = Head F	ailure	T = Thread Fa	ailure	D=	= Test Discontin	nued			
Shear testing performed on material from the same material release as the product, heat treated with the product and tested										
in the bare metal condition per SPS procedure LI12 Appendix 4, and meets the material requirement.										
TENSION-TENSION FATIGUE per NASM1312 Test No 11/111										
Machine Test No:	N/A	Samples				ts disc. @			mlaa	
HYDROGEN ANAL	YSIS OF FINISH				111 100	ts disc. W		C)	ycles	
Specification Requirer				Test Res	ralt-				44	
OTHER TEST DATA OR COMMENTS									+4 ppm	
N/A = Test not applica	ble as per procure	ment spe	ecification.							
ANODISE TO HS306	CETYL ALC HS3	05								
C	ertified that this is	a true and	d accurate reco	rd of the	tests	carried out on	this hatch	h		
			END OF TEX	σ						
							4	\		
							30			
							Ph.	3		
							1 12	12		
Signed Date 24/4/4 For and on authority of SPS Technologies Ltd										
For and on authority of SPS Tochnologies Ltd.										
This certificate is issued in accordance with the laterallory accreditation requirements of the United Kingdom Macreditation Service Respectively.										

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