

ABERDEEN LIFTING SERVICES LTD



E.C. DECLARATION OF CONFORMITY

CLIENT: BLUE MANTA 6 KIRKTON AVENUE PITMEDDEN ROAD IND. ESTATE DYCE AB21 0BF	NAME AND ADDRESS OF MANUFACTURER: ABERDEEN LIFTING SERVICES LTD HOWE MOSS CRESCENT KIRKHILL IND ESTATE ABERDEEN, AB21 0GN TEL: 01224 723333 FAX: 01224 723311 EMAIL: info@aberdeenlifting.co.uk
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DECLARATION No.	CUSTOMER ORDER No.		REQUISITION No.	DATE
K1101-01	25832			10/05/2018
I.D. NUMBER	QTY	DESCRIPTION	WLL/ PAYLOAD	PROOF LOAD
BM-SP-7539/1	1	FOUR LEG WIRE ROPE SLING TO DNV2.7-1 (2013) LEGS 3.2MTR x 26MM DIA IWRC FITTED TO A347/36 QUAD ASSEMBLY TENSILE GRADE: 1960N/mm2	11 TONNE 0-45 DEG	17.4 TONNE PER LEG
39/2-5	4	SAFETY PIN BOW SHACKLES	8.5 TON	17 TON

DECLARATION: Aberdeen Lifting Services declare that the items described above comply with all the requirements of The Machinery Directive 2006/42/EC.

	COMPLETED BY:
PRINT NAME	A.CRAIG
AUTHORISED SIGNATURE	
POSITION	OPERATIONS MANAGER
DATE	10/05/2018

NEXT INSPECTION DATE: 09/11/2018
DATE OF MANUFACTURE: 10/05/2018

Note: Before using this equipment the duty holder shall ensure that the relevant correct use and care instructions are issued to the user or operator. Copies are available on request.



ABERDEEN LIFTING SERVICES LTD

CERTIFICATE FOR OFFSHORE CONTAINER LIFTING SLINGS

MANUFACTURER:	ABERDEEN LIFTING SERVICES LTD		ADDRESS:	HOWE MOSS CRESCENT KIRKHILL IND EST DYCE ABERDEEN, AB21 0GN
CLIENT	BLUE MANTA			
DET NORSKE VERITAS TYPE APPROVAL No:		TYPE DESIGNATION:		
TAS000002B		LIFTING SETS FOR OFFSHORE CONTAINERS		
DESCRIPTION OF THE SLING:		IDENTIFICATION No:		
2 x 4 LEG WIRE ROPE SLING		SLINGS: BM-SP-7539/1, BM-SP-7540/1 SHACKLES: 39/2-5, 40/2-5		
WORKING LOAD LIMIT (WLL)	ANGLE OF LEGS (TO VERTICAL)	DIAMETER OF SLING LEGS:	LENGTH OF LEGS:	
11 TONNE	0-45 DEG	26MM DIA IWRC	3.2 MTR	
WIRE ROPE SLINGS				
REFERENCE STANDARD:	GRADE OF WIRE ROPE	GRADE OF TERMINAL FITTINGS		
DNV2.7-1 (2013)	1960N/mm ²	GRADE 80/60		
TESTS CARRIED OUT ON SLING:	DNV2.7-1 (2013)	TEST REPORT No:	K1101-01 & K1101-02	
LIFTING SET COMPONENTS- (SHACKLES TO BE INCLUDED ONLY IF ASSEMBLY SECURED) (IF NEW COMPONENTS ARE INSTALLED BEFORE RE-CERTIFICATION, REFERENCE TO PREVIOUS CERTIFICATE NUMBER AND THE NEW COMPONENTS UNIQUE IDENTIFICATION MARK)				
DESCRIPTION	SUPPLIER/MANUFACTURER	IDENTIFICATION MARK	DNV TA No:	
26MM DIA IWRC WIRE ROPE	USHA MARTIN	UCR549		
A347/36 QUAD ASSY	CROSBY	1RZ	TAS00001V	
8.5 TON SAFETY PIN BOW SHACKLES	VAN BEEST	AX6, 6BN	S-7593	
THIS LIFTING SET HAS BEEN DESIGNED, APPROVED AND TESTED IN ACCORDANCE WITH DET NORSKE VERITAS STANDARD FOR CERTIFICATION No: 2.7-1 "OFFSHORE CONTAINERS (2013)"				
THIS SLING ALSO CONFORMS TO THE FOLLOWING STANDARDS(S):				
REMARKS: ALS CERT No: K1101-01 & K1101-02				
THIS CERTIFICATE IS BASED ON DNV TYPE APPROVAL No. TAS000002B				
DATE: 10/05/2018 PLACE: ALS WORKSHOP NAME & TITLE: B.MAKAR			SIGNATURE: 	
		MANUFACTURER NAME & ENDORSMENT		

QF48

TEST REPORT (type 3.1 EN 10204:2004)

No : E A264200001

Date of Issue : 22-08-2017

Customer

: USHA MARTIN UK LIMITED UMUK, CLYDEBANK, G81 2NR, UK

Customer Order Ref

: 12923

Date: 20-06-2017

Sales Order Number

: 5130001007/160

Date: 22-06-2017

Reel Number

: A264200001

Date of Sample Receipt

: 22-08-2017

Date of Test : 22-08-2017

Manufacturer

: USHA MARTIN LIMITED, INDIA

SPECIFICATION

Applied Standard

: EN12385/4/2002+A1 2008(E)

Item

: Steel Wire Rope

Nominal Diameter of rope

: 26 MM

Construction

: 6X36 , Preformed

Strand Construction

: 14-7+7-7-1

Grade

: 1960

Wire Finish

: Galvanized

Type of Core/Lay Direction

: IWRC / RHO

Length of Rope

: 1000.000 M

Mass/Unit Length (Apprx.)

: 2.826 Kg/Mtr

Lubrication

: A2 / PETROLEUM LUBE

Minimum Breaking Force

: 472.0 KN

Prestretching

: N.A.

RESULTS OF TEST & EXAMINATION

Dia. Off-tension

: 26.340 MM

Lay Off-tension

: 168.000 MM

Breaking Force

: 508.000 KN

INDIVIDUAL WIRE TESTS

Sl. No.	Wire Dia	Tensile Strength (Avg)	Bend (Avg)	Torsion (Avg)	Knot Test	Wt.of Zinc Coating (Avg)
1	1.460 MM	2,033.00 N/MM2	14	32	N.A	116 gm/m2
2	0.920 MM	2,092.00 N/MM2	15	33	N.A	82 gm/m2
3	1.190 MM	1,967.00 N/MM2	19	34	N.A	92 gm/m2
4	1.240 MM	2,085.00 N/MM2	18	35	N.A	100 gm/m2
5	1.670 MM	2,018.00 N/MM2	16	32	N.A	110 gm/m2

CHEMICAL ANALYSIS OF WIRE ROD

Sl.	Wire Dia	Carbon%	Manganese%	Silicon%	Sulphur%	Phosphorus%
1	1.460 MM	0.78	0.74	0.210	0.006	0.013
2	0.920 MM	0.87	0.68	0.200	0.013	0.015
3	1.190 MM	0.77	0.73	0.180	0.010	0.013
4	1.240 MM	0.76	0.75	0.205	0.015	0.012
5	1.670 MM	0.78	0.75	0.180	0.010	0.012

This is to certify that the above tests have been carried out in accordance with the Specification

Authorized Signatory

Page 1 of 1
Lloyd's
RegisterCertified as an approved
Manufacturer by
Lloyd's RegisterCertified as an approved
Manufacturer by
DNV GL ASTYPE APPROVAL PROGRAM
Certified as an approved
Manufacturer by
American Bureau of ShippingCertified by BVC for the
QMS to ISO 9001Certified by BVC for the
EMS to ISO 14001

**INSPECTION
CERTIFICATE 3.1**

TO EN 10204:2004



www.thecrosbygroup.com

**Station Street, Cradley Heath
West Midlands B64 6AJ, United Kingdom
Phone: 01226 290516
Fax: 01226 240118**

CERTIFICATE NO. TC2-2018051000038

SUPPLIED TO Aberdeen Lifting Limited

YOUR ORDER NO.

QTY	DESCRIPTION
2	1258222 A347 36/28mm Welded Master Link Assembly, To EN 1677-4

MATERIAL PROPERTIES

ITEM	PIC	HEAT NUMBER	PROOF LOAD APPLIED	IMPACT TEST TYPE: CHARPY V (JOULES) TO ASTM A370-08/ASTM E23-07	
				TEMP °C	AVERAGE
MAIN LINK	1RZ	E01147590	579 kN	-20	> 42 JOULES

Magnetic Particle Testing, Type: Wet, Certified to EN 1677-4 (Main Link)

MAIN LINK

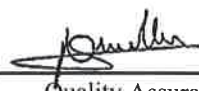
STEEL SPECIFICATION	C	Mn	P	S	Si	Ni	Cr	Mo	Al
MIN (ML + CPL)	0.18	0.70	-	-	0.20	0.40	0.40	0.15	0.020
MAX (ML + CPL)	0.23	0.90	0.040	0.040	0.35	0.70	0.60	0.25	-

REFERENCE DNV MSA R-2991 AND TYPE APPROVAL TAS000001V.

**WE HEREBY DECLARE THAT THE EQUIPMENT DESCRIBED ON THIS DOCUMENT HAS BEEN TESTED AND EXAMINED,
AND MEETS THE ESSENTIAL HEALTH AND SAFETY REQUIREMENTS OF THE MACHINERY DIRECTIVE.**

CERTIFIED ON BEHALF OF THE COMPANY

Date: May 10, 2018
Date of Issuance

Signature: 
Quality Assurance

P.O. Box 57, 3360 AB Sliedrecht
Industrieweg 6, 3361 HJ Sliedrecht
The Netherlands

Telephone : +31 184 413300
Fax : +31 184 414959
E-mail : sales@vanbeest.com
Website : www.vanbeest.com



Brierley Lifting Tackle Co
Timmis Road, Lye
STOURBRIDGE, WESTMIDLANDS
DY9 7BQ
UNITED KINGDOM

INSPECTION CERTIFICATE TO EN 10204 - TYPE 3.1

Number	80152416		Date	16.01.2018
Customer no.	30191		Page	1 / 1
Our order no.	213708	In compliance with	Your ref. no.	14364

Quantity	400
Article	GPGHMB25
Description	G-4163, Green Pin® Standard Shackles, bow shackles with safety bolt, to EN13889, hot dipped galvanized, grade 6, diameter bow 25 mm, diameter pin 28 mm, WLL 8.5 ton

Properties

Item	Charge no.	Yield Point (N/mm ²)	Tensile Strength (N/mm ²)	A5 (%)	Impact test: Charpy-V (J)					Traceability
					Temp (°C)	1	2	3	AVG	
Bow	016090441	919	1026	16	-20	105	102	102	103	AX
Pin	016090441	882	969	17	-20	133	136	134	134.3	BN

Chemical composition

Item	% C	% Si	% Mn	% P	% S	% Cr	% Mo	% Cu	% Al			
Bow	0.38	0.29	0.65	0.001	0.014	1.07	0.19	0.02	0.029			
Pin	0.35	0.22	0.57	0.01	0.003	0.98	0.19		0.042			

We herewith confirm that the products above are released for shipment after inspection and approval by our QC-department.

P. Oostlander (QC-Manager)

Van Beest B.V., manufacturer and supplier of wire rope and chain fittings.
Registered trade marks 'Green Pin' and 'Excel'. Member of Van Beest Group B.V.

Rabobank: account no. 35 93 43 155, IBAN code: NL86RABO0359343155, SWIFT/BIC code: RABONL2U.

VAT no. NL0091.33.835.B01, Chamber of Commerce Rotterdam - no. 23009317. All our offers and contracts are subject to our General Terms & Conditions of Supply as registered with the District Court of Rotterdam on October 25, 2016 under number 48/2016.