

ABERDEEN LIFTING SERVICES

CLIENT: BLUE MANTA 6 KIRKTON AVENUE PITMEDDEN RD IND EST DYCE ABERDEEN AB21 0BF	TEST HOUSE: ABERDEEN LIFTING SERVICES LTD HOWE MOSS CRESCENT KIRKHILL INDUSTRIAL ESTATE ABERDEEN AB21 0GN TEL: 01224 723333 FAX: 01224 723311
P.O. No: 23713	REQUISITION No:
CERT No: H2942-13	INSPECTION DATE: 16/05/2016

SERIAL No.	QTY	DESCRIPTION	SWL/ PAYLOAD	PROOF LOAD
03/A-B TO 08/A-B	12	SAFETY PIN BOW SHACKLES (POLAR)	12 TON	24 TON

	COMPLETED BY:
ENGINEER.	D.CRAIG
SIGNATURE.	
DATE.	16/05/2016

DATE OF MANUFACTURE:
UNKNOWN

Abbeemarting Services

CLIENT: BLUE MANTA 6 KIRKTON AVENUE PITMEDDEN RD IND EST DYCE ABERDEEN AB21 0BF	TEST HOUSE: ABERDEEN LIFTING SERVICES LTD HOWE MOSS CRESCENT KIRKHILL INDUSTRIAL ESTATE ABERDEEN AB21 0GN TEL: 01224 723333 FAX: 01224 723311
P.O. No: 23713	REQUISITION No:
CERT No: H2942-14	INSPECTION DATE: 16/05/2016

SERIAL No.	QTY	DESCRIPTION	SWL/ PAYLOAD	PROOF LOAD
03/C TO 08/C	6	SAFETY PIN BOW SHACKLES (POLAR)	2 TON	4 TON

	COMPLETED BY:
ENGINEER.	D.CRAIG
SIGNATURE.	
DATE.	16/05/2016

DATE OF MANUFACTURE:
UNKNOWN


GUNNEBO
LIFTING

Cert.no: YGO-WDH


Gunnebo-Anja Industrier AS
Inspection certificate Acc EN 10204 - 3.1

GL Form. TA 1-1

Identification	Bow	Bolt	
	YGO	WDH	
Safety factor	6,4	WLL	12,00 Ton

Object	SHACKLES GUNNEBO LIFTING ARCTIC NO 856 WLL 12T
Article no	A085632
Size	1 1/4" x 1 3/8"
EU Standard	NS-EN 13889 / DnV Type Approval Certificate No S-7601
US Standard	
Finish	All parts hot dip galvanized. Bolt and shackle eyes painted.
Material Quality	Special Alloy Steel, Quenched and Tempered
Grade	8

STEEL INFORMATION

Item	Charge	Dim	Marking	Chemical Composition										A	R _e	R _m
				C	Si	Mn	P	S	Cr	Mo	Ni	Al	B	%	N/mm ²	N/mm ²
Bow	17351	42	YGO	0,23	0,27	1,11	0,011	0,009	0,45	0,06	0,43	0,030	0,0030	16,6	817	935
Bolt	17672	35	WDH	0,21	0,24	1,10	0,014	0,015	0,44	0,06	0,43	0,029	0,0034	16,0	869	922

TEST REQUIREMENTS

Item	Charpy ISO-V Temp: -40°C	Min. Proof Load (T)	Min. Breaking Load (T)	Date	Remarks
Bow	66/64/71	24	77	20.01.2015	A = Elongation R _e = Yieldpoint R _m = Tensile Strength
Bolt	62/59/56	24	77	20.01.2015	

EC declaration of incorporation
We declare that delivered CE-marked products conform to 2006/42/EC.

QA Manager

Audun Seilen

(Sign. / stamp)



GUNNEBO
LIFTING

Cert.no: YXO-10217



Gunnebo-Anja Industrier AS

Inspection certificate Acc EN 10204 - 3.1

GL Form. TA 1-1

Identification	Bow	Bolt
	YXO	10217
Safety factor	8,0	WLL 2,00 mT

Object	SHACKLES GUNNEBO LIFTING ARCTIC NO 856 WLL 2 T
Article no	A085613
Size	1/2" x 5/8"
EU Standard	NS-EN 13889 / DnV Type Approval Certificate No S-7601
US Standard	
Finish	All parts hot dip galvanized. Bolt and shackle eyes painted.
Material Quality	Special Alloy Steel, Quenched and Tempered
Grade	8

STEEL INFORMATION

Item	Charge	Dim	Marking	Chemical Composition										A	R _e	R _m
				C	Si	Mn	P	S	Cr	Mo	Ni	Al	B	%	N/mm ²	N/mm ²
Bow	121110	19	YXO	0,21	0,33	0,99	0,007	0,006	0,63	0,08	0,42	0,036	0,0030	15,4	816	952
Bolt	36223	16	10217	0,41	0,14	0,74	0,007	0,026	1,05	0,16	0,24			17,4	910	1020

TEST REQUIREMENTS

Item	Charpy ISO-V (J) Temp: -40°C	Min. Proof Load (mT)	Min. Breaking Load (mT)	Date	Remarks
Bow	119-120-135	4	16	14.08.2015	A = Elongation R _e = Yieldpoint R _m = Tensile Strength
Bolt	50-49-46	4	16	14.08.2015	

EC declaration of incorporation
We declare that delivered CE-marked products conform to 2006/42/EC.

QA Manager

Audun Seilen
(Sign. / stamp)



GUNNEBO
LIFTING

Cert.no: XWO-10217



Gunnebo-Anja Industrier AS

Inspection certificate Acc EN 10204 - 3.1

GL Form. TA 1-1

Identification	Bow		Bolt	
	XWO		10217	
Safety factor	8,0	WLL	2,00	mT

Object	SHACKLES GUNNEBO LIFTING ARCTIC NO 856 WLL 2 T
Article no	A085613
Size	1/2" x 5/8"
EU Standard	NS-EN 13889 / DnV Type Approval Certificate No S-7601
US Standard	
Finish	All parts hot dip galvanized. Bolt and shackle eyes painted.
Material Quality	Special Alloy Steel, Quenched and Tempered
Grade	8

STEEL INFORMATION

STEEL INFORMATION															A	R _e	R _m
Item	Charge	Dim	Marking	Chemical Composition										%	N/mm2	N/mm2	
				C	Si	Mn	P	S	Cr	Mo	Ni	Al	B				
Bow	0-2309	19	XWO	0,22	0,26	0,96	0,009	0,006	0,56	0,07	0,42	0,026	0,0031	15,8	820	932	
Bolt	36223	16	10217	0,41	0,14	0,74	0,007	0,026	1,05	0,16	0,24			17,4	910	1020	

TEST REQUIREMENTS

Item	Charpy ISO-V (J) Temp: -40°C	Min. Proof Load (mT)	Min. Breaking Load (mT)	Date	Remarks
Bow	116-128-123	4	16	14.04.2015	A = Elongation R _e = Yieldpoint R _m = Tensile Strength
Bolt	50-49-46	4	16	14.04.2015	

EC declaration of incorporation
We declare that delivered CE-marked products conform to 2006/42/EC.

QA Manager

Audun Seilen

(Sign. / stamp)

ABERDEEN LIFTING SERVICES LTD

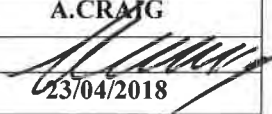


E.C. DECLARATION OF CONFORMITY

CLIENT: BLUE MANTA 6 KIRKTON AVENUE PITMEDDEN RD IND EST DYCE ABERDEEN AB21 0BF	TEST HOUSE: ABERDEEN LIFTING SERVICES LTD HOWE MOSS CRESCENT KIRKHILL IND EST ABERDEEN AB21 0GN TEL: 01224 723333 FAX: 01224 723311
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DECLARATION No.	CUSTOMER ORDER No.		REQUISITION No.	DATE
J9706-01	28394			23/04/2018
I.D. NUMBER	QTY	DESCRIPTION	WLL/ PAYLOAD	PROOF LOAD
05/D	1	SAFETY PIN BOW SHACKLE (POLAR) BATCH No: AT8, 8BD	12 TON	24 TON

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

	COMPLETED BY:
ENGINEER.	A.CRAIG
SIGNATURE.	
DATE.	23/04/2018

NEXT INSPECTION DATE: 22/10/2018
DATE OF MANUFACTURE: 23/04/2018

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	80142395		Date	27.06.2017
Customer no.	30191		Page	1 / 1
Our order no.	202361	In compliance with	Your ref. no.	13600

Quantity	16
Article	POGHMB32
Description	G-5163, Green Pin® Polar Shackles, bow shackles with safety bolt, for use under extreme climatic conditions, to EN13889, hot dipped galvanized, grade 8, diameter bow 32 mm, diameter pin 35 mm, WLL 12 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	17274	781	920	16	-40	45	46	46	46	AT
Pin	661505070148	876	991	18	-40	103	98	97	99.3	BD

Chemical composition

Item	% C	% Si	% Mn	% P	% S	% Cr	% Ni	% Mo	% Al			
Bow	0.2	0.23	0.82	0.008	0.017	0.54	0.42	0.22	0.026			
Pin	0.34	0.22	0.58	0.016	0.007	0.97		0.17	0.029			

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: NL88RABO0359343155, 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.