



Serial no:	Qty	Description	SWL/Payload	Proof load
27P/A	01	CROSBY G2130A GRADE 8 SAFETY PIN BOW SHACKLE	6.5 TONNE	13 TONNE

	COMPLETED BY	APPROVED BY	ACCEPTED BY
ENGINEER	S. WHYTE	N. TRAVIS	
SIGNATURE			
DATE	19/09/2017	19/09/2017	

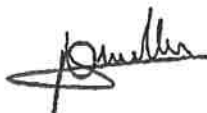


27P/A



Certificate No: 9536

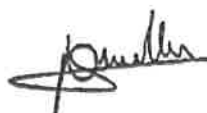
**CERTIFICATE FOR LIFTING SET SHACKLES
FOR OFFSHORE CONTAINERS**

Manufacturer: Crosby Europe N.V.		Address: Industriepark Zone B nr 26 2220 Heist-Op-Den-Berg, BELGIUM	
Det Norske Veritas Type Approval No: S-6402		Manufacturing Survey Agreement with DNV: R3130	Type Designations: G2130A
Description of the Shackle: 6 ½ t Shackle Assembly, size 7/8"			
Working Load Limit (WLL): 6 ½ t	Proof Load (PL): 13 t	Breaking Load (BL): 52 t	
Production (proof) testing: Per EN13889 Par. 6.3.1 and Table 5			
Test Performed: Charpy Impact @ -40°C (-40°F)		Test Result: Acceptable	
Test Report No.: Bow 1LN: Stork Intermees 10743-05 : 133-98-98 Joules – Average 110 Joules			
Bolt: Element 1: Joules – Average Joules			
Marking: Bow: 1LN Bolt:			
These shackles have been designed, approved, and tested in accordance with Det Norske Veritas Certification Notes No. 2.7-1 "Certification of Offshore Containers", Revision to Section 8, May 2009.			
The shackles also conform to the following standards: EN 13889			
Material Certificate Reference: Bow 1LN : material certificate 3.1 per EN10204: N° 268023-1, Ovako 9-4655 Bolt: material certificate 3.1 per EN10204: N°			
Remarks: None			
This certificate is based on DNV type approval no. S-6402 and is issued in accordance with Manufacturing Survey Arrangement No. R3130			
Date: October 8, 2013	 SMOLDEREN Arn Quality Assurance, Crosby Europe N.V.		
Place: Putte			



Certificate No: 9533

**CERTIFICATE FOR LIFTING SET SHACKLES
FOR OFFSHORE CONTAINERS**

Manufacturer: Crosby Europe N.V.		Address: Industriepark Zone B nr 26 2220 Heist-Op-Den-Berg, BELGIUM	
Det Norske Veritas Type Approval No: S-6402	Manufacturing Survey Agreement with DNV: R3130		Type Designations: G2130A
Description of the Shackle: 6 ½ t Shackle Assembly, size 7/8"			
Working Load Limit (WLL): 6 ½ t	Proof Load (PL): 13 t	Breaking Load (BL): 52 t	
Production (proof) testing: Per EN13889 Par. 6.3.1 and Table 5			
Test Performed: Charpy Impact @ -40°C (-40°F)		Test Result: Acceptable	
Test Report No.: Bow: Element : Joules – Average Joules Bolt: Element 13468-01: 44-61-53 Joules – Average 53 Joules			
Marking: Bow: Bolt: 1ND			
These shackles have been designed, approved, and tested in accordance with Det Norske Veritas Certification Notes No. 2.7-1 "Certification of Offshore Containers", Revision to Section 8, May 2009.			
The shackles also conform to the following standards: EN 13889			
Material Certificate Reference: Bow: material certificate 3.1 per EN10204: N° Bolt: material certificate 3.1 per EN10204: N° 276560-1, Ovako 9-6143			
Remarks: None			
This certificate is based on DNV type approval no. S-6402 and is issued in accordance with Manufacturing Survey Arrangement No. R3130			
Date: June 24, 2013	 SMOLDEREN Arn Quality Assurance, Crosby Europe N.V.		