Declaration of Compliance

EN 10204 - 2.1

ROPEBLOCK

Client	: Goforth Corporation Sdn. Bhd.	**S.O. No.**	: R101429-4-1
P.O. No.	: 14825	**P.O. Date**	: 20-5-2010

Product code	: SBS 524	**Qty**	: 50
Description	: SHORTBOW socket, high alloy cast steel, no. 524. For wire rope ø55-60mm (2 1/4" - 2 3/8"). MBL 320 tons.		

Qty	Heat no.	Material	Marking
1	81007M	A148 Gr. 135-125	
2	81007AD	A148 Gr. 135-125	
7	81007AG	A148 Gr. 135-125	
1	81007AC	A148 Gr. 135-125	
1	81007D	A148 Gr. 135-125	
1	81007AK	A148 Gr. 135-125	
10	81007X	A148 Gr. 135-125	
3	81007AJ	A148 Gr. 135-125	
11	81007AB	A148 Gr. 135-125	
3	81007AE	A148 Gr. 135-125	
8	81007Z	A148 Gr. 135-125	
2	81007AA	A148 Gr. 135-125	

Remarks:

CERTIFIED
P/O NO. : 3LU/CP/10-10-01
D/O NO. : 0357
DATE : 11-10-10

We hereby certify that:

- The above mentioned products are in accordance with the requirements of the order.
- The above mentioned products have been tested and inspected in accordance with the specifications and have met the requirements.
- The above mentioned equipment is in accordance with the regulations of the EC Machinery Directive 2006/42/EC, appendix II-A.
- The examination was carried out under the supervision of a competent person, according to our QA standards.
- Used standard: **ISO 3189**

Signed for and on behalf of Ropeblock B.V. / The Netherlands

Name: A.F. Douma / QA Manager

Date: 16-6-2010

MGMT. SYS. RvA C 011

KZ-040/3

Inspection Certificate

EN 10204 - 3.1

ROPEBLOCK

Description	Material	Heat No. / Marking
SBS 524	A148 Gr. 135-25	81007X

Mechanical Properties

Heat No. / Marking	R_m (Tensile strength) (N/mm²)	R_e (Yield) (N/mm²)	A (Elongation) (%)	Z (Reduction of area) (%)	Impact test (ISO V) T (°C)	Impact test (ISO V) (J)	Hardness (HB)
81007X	975	891	18	46	-20	56-64-65	

Chemical Analysis

Heat No. / Marking	C %	Si %	Mn %	S %	P %	Ni %	Cr %	Mo %	Cu %	Va %	Nb %
81007X	0.15	0.36	0.884	0.004	0.022	1.614	0.717	0.371	0.067	0.083	0.015

Remarks

CERTIFIED TRUE COPY
P/O NO. : SLU/SP/10-10-01
D/O NO. : 0358
DATE : 11-10-10

We hereby certify that:

- The reported values are strictly in accordance with the original mill certificates.
- The heat treatment of the materials is in accordance with the applicable material specification.
- The above mentioned materials have been tested and inspected in accordance with the specifications and have met the requirements.

Signed for and on behalf of Ropeblock B.V. / The Netherlands

Name: A.F. Douma / QA Manager

Date: 16-6-2010

MGMT. SYS. RvA C 010

KZ-189/3