



Certificate No:

QYJ130122/130323HESNZ

This is to certify that the nominated size and quality of the following product has been inspected and tested in accordance with the Chemical/Material Composition below.

# MATERIAL CERTIFICATE

Product Description:

BS464 Thimbles, Commercial Shackles, Turnbuckles, and Wire Rope Grips

tion:

Customer Issued To:

HES NZ Ltd  
56 Pavillion Drive  
Airport Oaks Auckland 2022

Order Number:

392, 393 & 488

**ITEMS: FORGED GRIPS #45**

**CHEMICAL COMPOSITION Chinese Q235**

ELEMENTS	C	Si	Mn	S	P	Cr	Ni
REQUIRED	0.42-0.50	0.17-0.37	0.50-0.80	<0.035	<0.035	<0.25	<0.25
ACTUAL	0.18	0.25	0.65	0.02	0.02	0.17	0.17

**ITEMS: THIMBLES BS464, COMMERCIAL SHACKLES/TURNBUCKLE, U BOLTS FOR GRIPS**

**CHEMICAL COMPOSITION Chinese #Q235**

ELEMENTS	C	Si	Mn	S	P
REQUIRED	0.14-0.208	0.17-0.30	0.30-0.65	<0.05	<0.045
ACTUAL	0.18	0.25	0.55	0.03	0.025

**ITEMS: CASTING GRIPS DIN741 BODY**

**CHEMICAL COMPOSITION Chinese KT32510**

ELEMENTS	C	Si	Mn	S	P
REQUIRED	2.2-2.8	1-1.8	0.30-0.8	<0.02	<0.1
ACTUAL	2.5	1.5	0.6	0.018	0.08

Authorised Signatory

Date:

18/5/2013

Manufactured and inspected for and on behalf of:



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