

TEST CERTIFICATE

This is to certify that the nominated size and quality of the following SLR product has been inspected and tested with following results.



Customer Sold To: _____

HESNZ
3 Heb Place
Takanini, Auckland, New Zealand

Order:	5419/5420
Invoice:	37097
Date:	20/04/2022
Certificate No:	211115HESNZ

GOODS: GRADE S SHACKLES & FEDERAL SIZES ABOVE 35T
SURFACE: HDG BODY & YELLOW PIN

SIZE:	WLL TON	REQUIRED BS (TON)	ACTUAL AVERAGE	TESTED QUANTITY	BATCH ID	BATCH QTTY.
BOW TYPE	0.5	3	5.0	51	D201	5000
	0.75	4.5	5.6	51	D201	5000
	1	6	8.2	51	D202	5000
	1.5	9	10.8	51	D201/2	5000
	2	12	13.5	51	D203	5000
	3.25	19.5	20.5	51	D201/2/3	5000
	4.75	28.5	30.0	21	D202	2000
	6.5	39	40	16	D201/2	1500
	8.5	51	52	16	D203	1500
	9.5	57	58	9	D201/2	800
	12	72	73	6	D201	500
	17	102	103	6	D106/111/201	500
	25	150	151	6	D118/202	500
BOW SAFETY	1	6	8.2	11	D117	1000
	1.5	9	10.8	11	D116	1000
	3.25	19.5	21.0	51	D202	5000
	6.5	39	39.5	51	D202	5000
	8.5	51	51.5	51	D201	5000
	12	72	73	5	D117/8/201	400
	17	102	103	5	D118	400
	25	150	151	6	D202	500
	35	210	211	3	D201/2	200
	55	330	330	2	D201	50
DEE TYPE	1.5	9	10	51	D201	5000
	2	12	12.5	51	D201	5000
	3.25	19.5	20.0	51	D203	5000

CHEMICAL COMPOSITION BODY: Chinese #45

ELEMENTS	C	Si	Mn	S	P	Cr	Al
REQUIRED	0.42-0.50	0.17-0.37	0.50-0.80	<0.035	<0.035	<0.25	0.025
ACTUAL	0.45	0.25	0.65	0.02	0.02	0.17	0.025

CHEMICAL COMPOSITION NEW PIN: Chinese #CM690

ELEMENTS	C	Si	Mn	S	P	Al
REQUIRED	<0.45	0.15-0.55	1.3-1.9	<0.03	<0.03	>0.025
ACTUAL	0.29	0.22	1.7	0.003	0.017	0.043

Heat Treatment: Hardened & Tempered.

HARDNESS(required not more than HRC32):

BODY(actual HRC): 29, 28, 30, 28, 29, 28, 29, 30, 28, 29

PIN(actual HRC): 32, 32, 31, 32, 32, 31, 31, 32, 31, 32

We hereby certify the above test is true and correct. All shackles are tested as per AS2741.

Manufactured, Inspected and Tested for and on behalf of: