

MATERIAL TEST REPORT

Customer Sold To:
HESNZ
3 Heb Place
Takanini, Auckland, New Zealand

Order:	6378
Invoice:	50345
Date:	10/08/2025
Certificate No:	NBI-250311HESNZ

ITEM: DEE SHACKLE

SIZE	MATERIAL	QTY	TREATMENT	PACKAGE	WLL kg	STANDARD MBL kgs	ACTUAL MBL kgs	RESULT
5mm	Q235	7000	Dacromet	CTN	80	320	500	QUALIFIED
6mm	Q235	6300	Dacromet	CTN	100	400	600	QUALIFIED
8mm	Q235	6800	Dacromet	CTN	200	800	1000	QUALIFIED
10mm	Q235	4000	Dacromet	CTN	320	1280	1500	QUALIFIED
12mm	Q235	2000	Dacromet	CTN	520	2080	2500	QUALIFIED
16mm	Q235	700	Dacromet	CTN	800	3200	3800	QUALIFIED
20mm	Q235	200	Dacromet	CTN	1100	4400	5000	QUALIFIED
22mm	Q235	90	Dacromet	CTN	1500	6000	6500	QUALIFIED
25mm	Q235	200	Dacromet	CTN	2100	8400	9000	QUALIFIED

MATERIAL:

ITEM:	MATERIAL	NUMBER	C%	Si%	Mn%	P%	S%	Cr%	Ni%	Cu%
DEE SHACKLE	Q235	325061241	0.17	0.25	0.41	0.015	0.02	-	-	-

PERFORMANCE:

ITEM	MATERIAL	NUMBER	屈服强度 YIELD STRENGTH	抗拉强度 TENSILE STENGTH	延伸率 ELONGATION A5(%)	冲击 Impact
DEE SHACKLE	Q235	325061241	275Mpa	415Mpa	34%	69J

TEST RESULT:QUALIFIED

ITEM: SPLIT LINK

ITEM	MATERIAL	QTY	TREATMENT	PACKAGE	RESULT
5mm	Q235	2000	Electro-galvanized	CTN	QUALIFIED
8mm	Q235	800	Electro-galvanized	CTN	QUALIFIED
12mm	Q235	250	Electro-galvanized	CTN	QUALIFIED

MATERIAL:

ITEM	MATERIAL	NUMBER	C%	Si%	Mn%	P%	S%	Cr%	Ni%	Cu%
SPLIT LINK	Q235	325060762	016	0.21	0.42	0.013	0.023	-	-	-

PERFORMANCE:

ITEM	MATERIAL	NUMBER	屈服强度 YIELD STRENGTH	抗拉强度 TENSILE STENGTH	延伸率 ELONGATION A5(%)	冲击 Impact
SPLIT LINK	Q235	325060762	310Mpa	425Mpa	35%	152J

TEST RESULT:QUALIFIED

ITEM: DIN580														
SIZE		MATERIAL		QTY		TREATMENT		PACKAGE		WLL T		STANDARD MBL T	ACTUAL MBL T	RESULT
M10		Q235		180		Electro-galvanized		CTN		0.23		0.92	1.00	QUALIFIED
M16		Q236		420		Electro-galvanized		CTN		0.70		2.80	3.20	QUALIFIED
M20		Q237		200		Electro-galvanized		CTN		1.20		4.80	5.10	QUALIFIED
M30		Q238		20		Electro-galvanized		CTN		3.60		14.40	15.00	QUALIFIED
M42		Q239		30		Electro-galvanized		CTN		7.00		28.00	29.20	QUALIFIED
ITEM: DIN582														
SIZE		MATERIAL		QTY		TREATNENT		PACKAGE		WLL T		STANDARD MBL T	ACTUAL MBL T	RESULT
M6		Q235		400		Electro-galvanized		CTN		0.14		0.56	0.60	QUALIFIED
M8		Q236		400		Electro-galvanized		CTN		0.14		0.56	0.70	QUALIFIED
M10		Q237		600		Electro-galvanized		CTN		0.23		0.92	1.00	QUALIFIED
M12		Q238		500		Electro-galvanized		CTN		0.34		1.36	1.45	QUALIFIED
M16		Q239		400		Electro-galvanized		CTN		0.70		2.8	2.90	QUALIFIED
M18		Q240		80		Electro-galvanized		CTN		0.93		3.72	4.00	QUALIFIED
MATERIAL:														
ITEM		MATERIAL		NUMBER		C%	Si%	Mn%	P%	S%	Cr%	Ni%	Cu%	
DIN580		Q235		325070718		0.16	0.18	0.4	0.019	0.021	-	-	-	
PERFORMANCE:														
ITEM		MATERIAL		NUMBER		屈服强度 YIELD STRENGTH		抗拉强度 TENSILE STENGTH		延伸率 ELONGATION A5(%)			冲击 Impact	
DIN580		Q235		325070718		285Mpa		435Mpa		35%			140J	
TEST RESULT:QUALIFIED														

ITEM:TURNBUCKLE																					
SIZE		MATERIAL		QTY		TREATMENT		PACKEGE		WLL T		STANDARD MBL T		ACTUAL MBL T		RESULT					
5/8*6		NO.45 STEEL		200		HDG		CTN		1.589		7.945		8.30		QUALIFIED					
1*18		NO.45 STEEL		51		HDG		CTN		4.54		22.7		23.2		QUALIFIED					
MATERIAL:																					
ITEM:		MATERIAL		NUMBER		C%		Si%		Mn%		P%		S%		Cr%		Ni%		Cu%	
TURNBUCKLE		NO.45 STEEL		WB022503151		0.433		0.204		0.540		0.020		0.006		0.022		0.006		0.018	
PERFORMANCE:																					
ITEM		MATERIAL		NUMBER		屈服强度 YIELD STRENGTH		抗拉强度 TENSILE STENGTH		延伸率 ELONGATION A5(%)				冲击 Impact							
TURNBUCKLE		NO.45 STEEL		WB022503151		QUALIFIED		QUALIFIED		QUALIFIED				QUALIFIED							
TEST RESULT:QUALIFIED																					

ITEM:WIRE ROPE GRIP

SIZE	MATERIAL	QTY	TREATMENT	PACKEGE	RESULT					
5/8	MAIN BODY:NO.45 STEEL U-PIN:Q235	200	HDG	CTN	QUALIFIED					

MATERIAL:

ITEM	MATERIAL	NUMBER	C%	Si%	Mn%	P%	S%	Cr%	Ni%	Cu%
WIRE ROPE GRIP	NO.45 STEEL	WB022504420	0.459	0.214	0.546	0.015	0.004	0.022	0.006	0.007
	Q235	325060762	016	0.21	0.42	0.013	0.023	-	-	-

PERFORMNCE:

ITEM	MATERIAL	NUMBER	屈服强度 YIELD STRENGTH	抗拉强度 TENSILE STENGTH	延伸率 ELONGATION A5(%)	冲击 Impact
WIRE ROPE GRIP	NO.45 STEEL	WB022504420	QUALIFIED	QUALIFIED	QUALIFIED	QUALIFIED
	Q235	325060762	310Mpa	425Mpa	0.35	152J

TEST RESULT:QUALIFIED

ITEM: DIN741 WIRE ROPE GRIP										
SIZE	MATERIAL	QTY	TREATMENT	PACKAGE		RESULT				
16mm	Malleable Iron	200	HDG	CTN		QUALIFIED				
19mm	Malleable Iron	200	HDG	CTN		QUALIFIED				
22mm	Malleable Iron	400	HDG	CTN		QUALIFIED				
MATERIAL:										
ITEM	MATERIAL	NUMBER	C%	Si%	Mn%	P%	S%	Cr%	Ni%	Cu%
DIN741	Malleable Iron	S20250715003	2.8	1.5	0.5	-	<0.2	-	-	-
	Q235	325060762	016	0.21	0.42	0.013	0.023	-	-	-
PERFORMANCE:										
ITEM	MATERIAL	NUMBER	屈服强度 YIELD STRENGTH	抗拉强度 TENSILE STENGTH	延伸率 ELONGATION A5(%)			冲击 Impact		
DIN741	Malleable Iron	S20250715003	QUALIFIED	QUALIFIED	QUALIFIED			QUALIFIED		
	Q235	325060762	310Mpa	425Mpa	0.35			152J		
TEST RESULT:QUALIFIED										

Manufactured, Inspected and Tested for and on behalf of:

42 Clements Avenue Bundoora Vic Aust

Bundoora Victoria 3083 Australia

