

## 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.



Page 1

Customer Sold To:

HESNZ  
3 Heb Place  
Takanini, Auckland, New Zealand

Order:	6602
Invoice:	52484
Date:	28/02/2026
Certificate No:	251118HESNZ

DATE TESTED 28/02/2026

Item: Shackle Commercial Dee

SIZE	MATERIAL	QTY	SURFACE TREATMENT	PACKING	WLL kg	STANDARD BL kgs	ACTUAL BL kgs	RESULT
5mm	Q235	1400	Dacromet	CTN+PLT	80	320	500	QUALIFIED
6mm	Q235	1800	Dacromet	CTN+PLT	100	400	600	QUALIFIED
8mm	Q235	1200	Dacromet	CTN+PLT	200	800	1000	QUALIFIED
10mm	Q235	1200	Dacromet	CTN+PLT	320	1280	1500	QUALIFIED

Material:

ITEM	MATERIAL	Number	C%	Si%	Mn%	P%	S%	Cr%	Ni%	Cu%
Shackle Commercial Dee	Q235	325081041	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
Shackle Commercial Dee	Q235	325081041	280Mpa	413Mpa	35%	69J

DATE TESTED 05/03/2026

Item: DIN741Wire Rope Grip

SIZE	MATERIAL	QTY	SURFACE TREATMENT	PACKING	RESULT
3mm	Malleable Iron	1200	Electro-galvanized	CTN+PLT	QUALIFIED
5mm	Malleable Iron	2000	Electro-galvanized	CTN+PLT	QUALIFIED
6mm	Malleable Iron	1200	BODY: HDG U-PIN+NUT: Dacromet	CTN+PLT	QUALIFIED
8mm	Malleable Iron	1200	BODY: HDG U-PIN+NUT: Dacromet	CTN+PLT	QUALIFIED
16mm	Malleable Iron	800	HDG	CTN+PLT	QUALIFIED

MATERIAL:

ITEM	MATERIAL	NUMBER	C%	Si%	Mn%	P%	S%	Cr%	Ni%	Cu%
DIN741 Wire Rope Grip	Malleable Iron	S20251130006	2.8	1.5	0.5	-	<0.2	-	-	-
	Q235	325080952	0.16	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 Wire Rope Grip	Malleable Iron	S20251130006	QUALIFIED	QUALIFIED	QUALIFIED	QUALIFIED
	Q235	325080952	315Mpa	435Mpa	0.35	155J

DATE TESTED 05/03/2026

Item: c

SIZE	MATERIAL	QTY	SURFACE TREATMENT	PACKING	Result
5/16	BODY: No. 45 Steel U-PIN: Q235	100	HDG	CTN+PLT	Qualified
3/8	BODY: No. 45 Steel U-PIN: Q235	300	HDG	CTN+PLT	Qualified

	U-PIN: Q235									
5/8	BODY: No. 45 Steel U-PIN: Q235	320	HDC	CTN+PLT	Qualified					

**Material:**

ITEM	MATERIAL	Number	C%	Si%	Mn%	P%	S%	Cr%	Ni%	Cu%
Wire Rope Grip Federal	No. 45 Steel	WB028506950	0.459	0.214	0.546	0.015	0.004	0.022	0.006	0.007
	Q235	325080952	0.16	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
Wire Rope Grip Federal	45号钢	WB028506950	Qualified	Qualified	Qualified	Qualified
	Q235	325080762	315Mpa	435Mpa	0.35	155J

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