



SPECIALISED FORCE
HYDRAULIC TOOLS &
ELECTRICAL CONTRACTORS EQUIPMENT

PTY. LTD.

Overhead Construction & Stringing Equipment



www.specialisedforce.com.au



F. OVERHEAD CONSTRUCTION & STRINGING EQUIPMENT

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WIRE GRIPS (MADE IN JAPAN)

HI-TOOL CO., LTD

- All models are fitted with swing down safety latch, with most models including a patented one handed trigger grip as standard.
- Convenient sized and special shaped pulling eyes to suit all brands of strap hoists.
- All gripping jaws are produced with new technology to increase jaw life.
- Grips are designed to be more cost effective by being able to be used over a wider range of cable diameters.
- 40, 50 & 60kN grip models feature a twist grip design which prevents cable damage (Refer page 214).



WIRE GRIP QUICK SELECTION GUIDE

A large range of HI-TOOL NGK grips provided by Specialised Force have the patented one handed trigger grip and all contain safety latches. Every grip is proof tested before shipment to ensure quality, etched with serial numbers and date of manufacture.

GRIP SELECTION

1. Determine the type of wire or conductor the Grip is to be used on, for example: bare Cu; Al; ACSR, Guy Wire, Covered Conductor, ABC, Steel Rod or Barbed wire.
2. Check the actual (OD) Outside Diameter of wire or conductor the Grip is to be used on.
3. What is the maximum working load limit (WLL) required.

FEATURES

- Patented one-handed trigger grip operation.
- All models are fitted with swing down safety latch as standard.
- Conveniently sized and special shaped pulling eyes to suit all brands of strap hoists.
- All gripping jaw produced with new technology to increase jaw life.
- Grips are designed to be used over a wider range of cable

Always follow manufacturer's safety instructions, especially with regards to regular inspection and maintenance. **Grip jaws must be cleaned regularly with a wire brush to reduce contamination build-up and avoid slippage.** Contact your nearest SF branch for more detailed information.

LOCKING GRIP

Optional Locking Type Grip Available on the below models (Add suffix "-LK" to Model No., example AL-20KN-GRIP LK).

- SD-S-GRIP
- 35KN-GRIP
- MIGHTY20-GRIP
- AL-10KN-GRIP
- AL-20KN-GRIP
- AL-MIGHTY-GRIP
- ABC-L-GRIP

LOCK OPEN NOTCH

This feature allows the grip to be held in the open position for easy insertion of cable, available on the below models (Add suffix "-NS" to the Model No. example 20KN-GRIP-NS).

- MIGHTY-20-GRIP
- ABC-M-GRIP-S
- ABC-M-GRIP
- ABC-L-GRIP



WIRE GRIPS SELECTION CHART
HI-TOOL CO., LTD

Model No.	Specifications					Cable/Conductor Types										Safety				
	WLL(kN)	Min Cond (mm) Ø	Max Cond (mm) Ø	Jaw Length (mm)	Weight (kg)	Copper	ACSR	Aluminium	ABC	Covered Conductor	Contact Wire (Rail Catalogue Only)	Guy Wire	Wire Rope	Barbed Wire	Live Line Rings	Latch	Trigger Grip	Spring Latch	Notched	Locking
SD-S-GRIP	10	3	13	50	0.6	✓				✓		✓				✓	✓			
SD-S-GRIP-LK	10	3	13	50	0.6	✓				✓		✓				✓	✓			✓
NEW-SD-GRIP	10	2.6	15	50*	0.6	✓				✓		✓		✓		✓	✓			
10KN-GRIP	10	5	22	70	1.1	✓				✓	✓	✓				✓	✓			
20KN-GRIP	20	5	22	90	1.5	✓				✓	✓	✓				✓	✓			
H-20KN-GRIP	20	5	22	90	1.5	✓				✓	✓	✓			✓	✓	✓	✓	✓	
20KN-W-GRIP	20	5	22	90	1.5	✓				✓	✓	✓	✓			✓	✓			
35KN-GRIP	35	5	22	90	1.7	✓				✓	✓	✓	✓			✓	✓			
H-35KN-GRIP	35	5	22	90	1.7	✓				✓	✓	✓	✓		✓	✓	✓	✓	✓	
H-35KN-GRIP-LK	35	5	22	90	1.8	✓				✓	✓	✓	✓		✓	✓	✓	✓	✓	✓
MIGHTY-20-GRIP	20	5	28	120	1.9	✓				✓		✓				✓	✓			
MIGHTY-20-GRIP-NS	20	5	28	120	1.9	✓				✓		✓				✓	✓		✓	
H-MIGHTY-20-GRIP	20	5	28	120	1.9	✓				✓		✓			✓	✓	✓	✓	✓	
H-MIGHTY-20-GRIP-LK	20	5	28	120	2	✓				✓		✓			✓	✓	✓	✓	✓	✓
LARGE-20-GRIP	20	16	35	120	2.1	✓				✓						✓	✓			
H-LARGE-20-GRIP	20	16	35	120	2.1	✓				✓					✓	✓	✓	✓	✓	
LARGE-30-GRIP	30	18	35	120	2.4	✓				✓						✓	✓			
H-LARGE-30-GRIP	30	18	35	120	2.4	✓				✓					✓	✓	✓	✓	✓	
40KN-GRIP	40	8	28	140	3.5	✓				✓	✓	✓	✓			✓	TWIST			
AL-10KN-GRIP	10	5	22	70	1.1	✓	✓	✓								✓	✓			
AL-10KN-GRIP-LK	10	5	22	70	1.3	✓	✓	✓								✓	✓			✓
AL-20KN-GRIP	20	5	22	90	1.5	✓	✓	✓								✓	✓			
AL-20KN-GRIP-LK	20	5	22	90	1.6	✓	✓	✓								✓	✓			✓
AL-35KN-GRIP	35	5	22	90	1.7	✓	✓	✓								✓	✓			
AL-MIGHTY-GRIP	20	2	28	120	1.9	✓	✓	✓								✓	✓			
AL-MIGHTY-GRIP-LK	20	2	28	120	2	✓	✓	✓								✓	✓			✓
AL-LARGE-GRIP	20	16	35	120	2.1	✓	✓	✓								✓	✓			
AL-LARGE-30-GRIP	30	18	35	120	2.4	✓	✓	✓								✓	✓			
AL-50KN-GRIP	50	18	36	180	4.7	✓	✓	✓								✓	TWIST			
AL-60KN-GRIP	60	28	46	220	7	✓	✓	✓								✓	TWIST			
ABC-S-GRIP	3.5	4x16mm ² 2x16mm ²	4x35mm ² 2x50mm ²	80	0.6				✓							✓	✓			
ABC-M-GRIP	10	4x25mm ²	4x95mm ²	160	2.4				✓							✓	✓			
ABC-M-GRIP-NS	10	4x25mm ²	4x95mm ²	160	2.4				✓							✓	✓		✓	
ABC-M-GRIP-S-NS	10	4x25mm ²	4x95mm ²	160	2.4				✓							✓	✓	✓	✓	
ABC-L-GRIP	18	4x95mm ²	4x150mm ²	180	2.6				✓							✓	✓			
ABC-L-GRIP-NS	18	4x95mm ²	4x150mm ²	180	2.6				✓							✓	✓		✓	
ABC-L-GRIP-LK	18	4x95mm ²	4x150mm ²	180	2.7				✓							✓	✓			✓

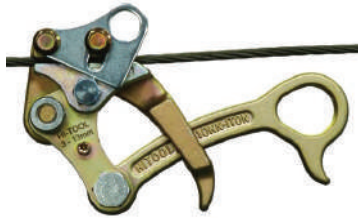
* Curved serrated jaw

PATENTED HI-TOOL TRIGGER GRIP

WIRE GRIPS (MADE IN JAPAN)

HI-TOOL CO., LTD.

SPECIFICATION

**SD-S-GRIP**

For Bare Copper, Cable Covered & Guy Wire
(Special Flat Jaw, Compact & Lightweight)



WLL (kN)	Min. Cable (mm)	Max. Cable (mm)	Jaw Length (mm)	Eye Size (mm)	Weight (kg)	Locking Grip Type Available
10	3	13	50	25x30	0.6	SD-S-GRIP-LK

**NEW-SD-GRIP**

For CU Cable, Guy Wire, Steel Rod & Barbed Wire

WLL (kN)	Min. Cable (mm)	Max. Cable (mm)	Jaw Length (mm)	Eye Size (mm)	Weight (kg)
10	2.6	15	50	25x30	0.6

**10KN-GRIP**

For Bare Copper Cable, Covered Cable, Guy Wire

WLL (kN)	Min. Cable (mm)	Max. Cable (mm)	Jaw Length (mm)	Eye Size (mm)	Weight (kg)
10	5	22	70	26x30	1.1

**20KN-GRIP**

For Bare Copper Cable, Covered Cable, Guy Wire

WLL (kN)	Min. Cable (mm)	Max. Cable (mm)	Jaw Length (mm)	Eye Size (mm)	Weight (kg)
20	5	22	90	32x42	1.5

**H-20KN-GRIP**

For Bare Copper Cable, Covered Cable, Guy Wire

WLL (kN)	Min. Cable (mm)	Max. Cable (mm)	Jaw Length (mm)	Eye Size (mm)	Weight (kg)
20	5	22	90	32x42	1.5

LOCK OPEN NOTCH

This feature allows the grip to be held in the open position for easy insertion of cable, available on the below models (Add suffix "-NS" to the Model No. example 20KN-GRIP-NS).

- MIGHTY-20-GRIP
- ABC-M-GRIP
- ABC-M-GRIP-S
- ABC-L-GRIP

**LOCKING GRIP**

Optional Locking Type Grip Available on the below models
(Add suffix "-LK" to Model No. E.g. 20KN-GRIP-LK)

- SD-S-GRIP
- 35KN-GRIP
- MIGHTY20-GRIP
- AL-10KN-GRIP
- AL-20KN-GRIP
- AL-MIGHTY-GRIP
- ABC-L-GRIP



WIRE GRIPS (MADE IN JAPAN)

HI-TOOL CO., LTD.

SPECIFICATION



20KN-W-GRIP

For Bare Copper Cable, Covered Cable, Trolley Wire, Guy Wire & Wire Rope

WLL (kN)	Min. Cable (mm)	Max. Cable (mm)	Jaw Length (mm)	Eye Size (mm)	Weight (kg)
20	5	22	90	32x42	1.5



35KN-GRIP

For Bare Copper Cable, Covered Cable, Contact Wire, Guy Wire & Wire Rope

WLL (kN)	Min. Cable (mm)	Max. Cable (mm)	Jaw Length (mm)	Eye Size (mm)	Weight (kg)
35	5	22	90	32x42	1.7



H-35KN-GRIP

For Bare Copper Cable, Covered Cable, Contact Wire, Guy Wire & Wire Rope

WLL (kN)	Min. Cable (mm)	Max. Cable (mm)	Jaw Length (mm)	Eye Size (mm)	Weight (kg)	Locking Grip Type Available
35	5	22	90	32x42	1.7	H-35KN-GRIP-LK



MIGHTY-20-GRIP

For Bare Copper Cable, Covered Cable & Guy Wire

WLL (kN)	Min. Cable (mm)	Max. Cable (mm)	Jaw Length (mm)	Eye Size (mm)	Weight (kg)	Locking Grip Type Available
20	5	28	120	32x42	1.9	MIGHTY-20-GRIP-NS



H-MIGHTY-20-GRIP

For Bare AL, ACSR & Copper Cable

WLL (kN)	Min. Cable (mm)	Max. Cable (mm)	Jaw Length (mm)	Eye Size (mm)	Weight (kg)	Locking Grip Type Available
35	5	28	120	32x42	1.9	H-MIGHTY-20-GRIP-LK



LOCK OPEN NOTCH

This feature allows the grip to be held in the open position for easy insertion of cable, available on the below models (Add suffix "-NS" to the Model No. example 20KN-GRIP-NS).

- MIGHTY-20-GRIP
- ABC-M-GRIP
- ABC-M-GRIP-S
- ABC-L-GRIP



LOCKING GRIP

Optional Locking Type Grip Available on the below models (Add suffix "-LK" to Model No. E.g. 20KN-GRIP-LK)

- SD-S-GRIP
- 35KN-GRIP
- MIGHTY20-GRIP
- AL-10KN-GRIP
- AL-20KN-GRIP
- AL-MIGHTY-GRIP
- ABC-L-GRIP



WIRE GRIPS (MADE IN JAPAN)

HI-TOOL CO., LTD.

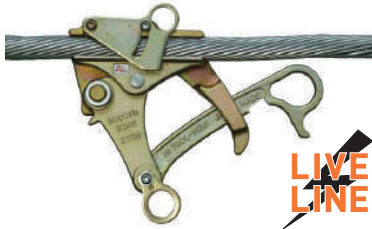
SPECIFICATION



LARGE-20-GRIP

For Covered Cable & Bare Copper Cable

WLL (kN)	Min. Cable (mm)	Max. Cable (mm)	Jaw Length (mm)	Eye Size (mm)	Weight (kg)
20	16	35	120	32x42	2.1



H-LARGE-20-GRIP

For Bare AL, ACSR & Copper Cable

WLL (kN)	Min. Cable (mm)	Max. Cable (mm)	Jaw Length (mm)	Eye Size (mm)	Weight (kg)
20	16	35	120	32x42	2.1



LARGE-30-GRIP

For Bare ACSR, AL & Copper Cable

WLL (kN)	Min. Cable (mm)	Max. Cable (mm)	Jaw Length (mm)	Eye Size (mm)	Weight (kg)
30	18	35	120	32x42	2.4



H-LARGE-30-GRIP

For Bare AL, ACSR & Copper Cable

WLL (kN)	Min. Cable (mm)	Max. Cable (mm)	Jaw Length (mm)	Eye Size (mm)	Weight (kg)
30	18	35	120	32x42	2.4

LOCK OPEN NOTCH

This feature allows the grip to be held in the open position for easy insertion of cable, available on the below models (Add suffix "-NS" to the Model No. example 20KN-GRIP-NS).

- MIGHTY-20-GRIP
- ABC-M-GRIP
- ABC-M-GRIP-S
- ABC-L-GRIP



LOCKING GRIP

Optional Locking Type Grip Available on the below models (Add suffix "-LK" to Model No. E.g. 20KN-GRIP-LK)

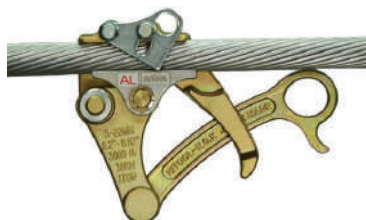
- SD-S-GRIP
- 35KN-GRIP
- MIGHTY20-GRIP
- AL-10KN-GRIP
- AL-20KN-GRIP
- AL-MIGHTY-GRIP
- ABC-L-GRIP



WIRE GRIPS (MADE IN JAPAN)

HI-TOOL CO., LTD.

SPECIFICATION



AL-10KN-GRIP

For Bare ACSR, AL & Copper Cable

WLL (kN)	Min. Cable (mm)	Max. Cable (mm)	Jaw Length (mm)	Eye Size (mm)	Weight (kg)	Locking Grip Type Available
10	5	22	70	25x30	1.1	AL-10KN-GRIP-LK



AL-20KN-GRIP

For Bare ACSR, AL & Copper Cable

WLL (kN)	Min. Cable (mm)	Max. Cable (mm)	Jaw Length (mm)	Eye Size (mm)	Weight (kg)	Locking Grip Type Available
20	5	22	90	32x42	1.5	AL-20KN-GRIP-LK



AL-35KN-GRIP

For Bare ACSR, AL & Copper Cable

WLL (kN)	Min. Cable (mm)	Max. Cable (mm)	Jaw Length (mm)	Eye Size (mm)	Weight (kg)
35	5	22	90	32x42	1.7



AL-MIGHTY-GRIP

For Bare ACSR, AL & Copper Cable

WLL (kN)	Min. Cable (mm)	Max. Cable (mm)	Jaw Length (mm)	Eye Size (mm)	Weight (kg)	Locking Grip Type Available
20	5	28	120	32x42	1.9	AL-MIGHTY-GRIP-LK



AL-LARGE-GRIP

For Bare ACSR, AL & Copper Cable

WLL (kN)	Min. Cable (mm)	Max. Cable (mm)	Jaw Length (mm)	Eye Size (mm)	Weight (kg)
20	16	35	120	32x42	2.1

LOCK OPEN NOTCH

This feature allows the grip to be held in the open position for easy insertion of cable, available on the below models (Add suffix "-NS" to the Model No. example 20KN-GRIP-NS).

- MIGHTY-20-GRIP
- ABC-M-GRIP
- ABC-M-GRIP-S
- ABC-L-GRIP



LOCKING GRIP

Optional Locking Type Grip Available on the below models (Add suffix "-LK" to Model No. E.g. 20KN-GRIP-LK)

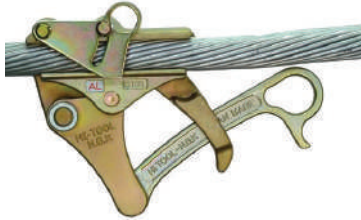
- SD-S-GRIP
- 35KN-GRIP
- MIGHTY20-GRIP
- AL-10KN-GRIP
- AL-20KN-GRIP
- AL-MIGHTY-GRIP
- ABC-L-GRIP



WIRE GRIPS (MADE IN JAPAN)

HI-TOOL CO., LTD.

SPECIFICATION

**AL-LARGE-30-GRIP**

For Bare ACSR, AL & Copper Cable

WLL (kN)	Min. Cable (mm)	Max. Cable (mm)	Jaw Length (mm)	Eye Size (mm)	Weight (kg)
30	18	35	120	32x42	2.4

LARGE CAPACITY GRIPS

**40KN-GRIP**

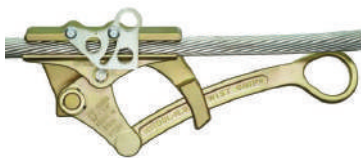
For Messenger Wire, Wire Rope, Trolley Cable, Copper Cable

WLL (kN)	Min. Cable (mm)	Max. Cable (mm)	Jaw Length (mm)	Eye Size (mm)	Weight (kg)
40	8	28	140	43x51	3.5

**AL-50KN-GRIP**

For Bare ACSR, AL-Cable and Bare Copper-Cable Only

WLL (kN)	Min. Cable (mm)	Max. Cable (mm)	Jaw Length (mm)	Eye Size (mm)	Weight (kg)
50	18	36	180	43x51	4.7

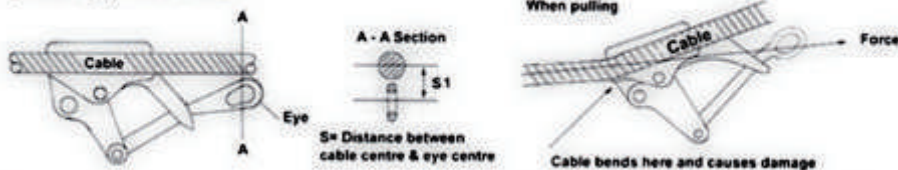
**AL-60KN-GRIP**

For Bare ACSR, AL-Cable and Bare Copper-Cable Only

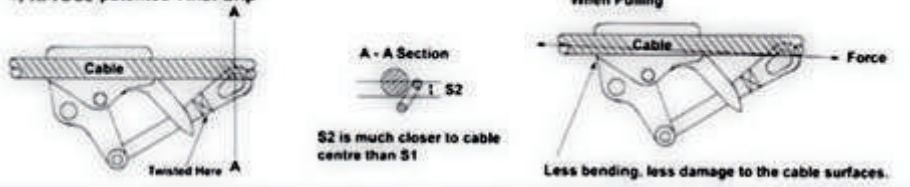
WLL (kN)	Min. Cable (mm)	Max. Cable (mm)	Jaw Length (mm)	Eye Size (mm)	Weight (kg)
60	28	46	220	60x51	7.0

TWIST GRIP FEATURE

1) Normal grip on the market



2) HI-TOOL patented Twist Grip



WIRE GRIPS (MADE IN JAPAN)

HI-TOOL CO., LTD.

SPECIFICATION



ABC-S-GRIP

For Aerial Bundled Cable (Conductor)

WLL (kN)	Min. Cable (mm ²)	Max. Cable (mm ²)	Jaw Length (mm)	Eye Size (mm)	Weight (kg)
3.5	4x16 2x16	4x35 2x50	80	24x30	0.6



ABC-M-GRIP

For Aerial Bundled Cable (Conductor)



WLL (kN)	Min. Cable (mm ²)	Max. Cable (mm ²)	Jaw Length (mm)	Eye Size (mm)	Weight (kg)	Lock Open Notch Type Available	Spring Latch Type Available
10	4x50	4x95	160	32x42	2.4	ABC-M-GRIP-NS	ABC-M-GRIP-S-NS



ABC-L-GRIP

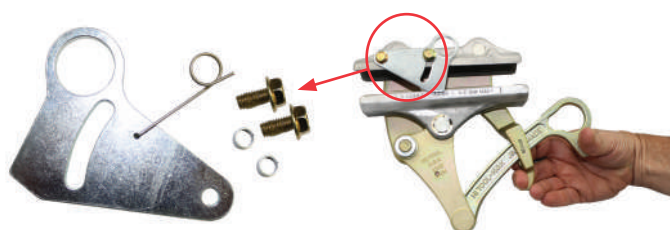
For Aerial Bundled Cable (Conductor)



WLL (kN)	Min. Cable (mm ²)	Max. Cable (mm ²)	Jaw Length (mm)	Eye Size (mm)	Weight (kg)	Lock Open Notch Type Available	Spring Latch Type Available
18	4x95	4x150	180	32x42	2.6	ABC-L-GRIP-NS	ABC-L-GRIP-LK

LOCKING GRIP

Model No.	SL-S	SL-M
Suits Grip Types	20kN & 30kN	MIGHTY-20, LARGE-20, LARGE-30 & All ABC Grips
Contains	Gate, Spring, 2x Hex Screws & 2x Spacers	



LOCK OPEN NOTCH

This feature allows the grip to be held in the open position for easy insertion of cable, available on the below models (Add suffix "-NS" to the Model No. example 20KN-GRIP-NS).

- MIGHTY-20-GRIP
- ABC-M-GRIP
- ABC-M-GRIP-S
- ABC-L-GRIP



LOCKING GRIP

Optional Locking Type Grip Available on the below models (Add suffix "-LK" to Model No. E.g. 20KN-GRIP-LK)

- SD-S-GRIP
- 35KN-GRIP
- MIGHTY20-GRIP
- AL-10KN-GRIP
- AL-20KN-GRIP
- AL-MIGHTY-GRIP
- ABC-L-GRIP



RIGANTI INTERCHANGEABLE LINERS (MADE IN SWITZERLAND)

Model No.	WLL (kN)	Interchangeable Liners	Suitable For (Material Type)						Wt (kg)
			Al, ACSR & Cu		Suspension Conductors Al		Steel, Earthwire (mm) ¹		
			Min (mm)	Max (mm)	Min (mm)	Max (mm)	Min (mm)	Max (mm)	
IR 3109	19.6	No	2.5	15.0	2.5	15.0	2.5	15.0	1.5
IR 3110	20.3	No	-	-	-	-	-	-	2.1
IR3111	21.2	Yes	7.0	16.0	7.0	16.0	7.0	13.0	2.5
IR 3108	39.2	Yes	-	-	7.0	38.0	-	-	5.5
IR 3106	50.0	No	7.5	18.0	7.5	18.0	7.5	18.0	7.0
IR 3107	49.0	Yes	6.0	23.0	6.0	23.0	6.0	16.0	7.0
IR3112	49.0	Yes*	-	-	-	-	-	-	7.0
IR3105-S	88.0	Yes	8.0	35.2	8.0	35.2	8.0	24.0	13.5
IR3104-S	117.0	Yes	10.0	45.0	10.0	45.0	8.0	34.0	17.0
IR3103-RAPTOR	140.0	Yes	45.0	57.0	45.0	57.0	34.0	57.0	26.0

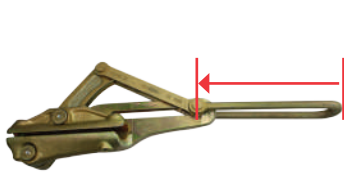
Model No.	WLL (kN)	Interchangeable Liners	Suitable For (Material Type)						Wt (kg)
			Anti-twist Braided Rope (mm) ¹		OPGW		Insulated Wire		
			Min (mm)	Max (mm)	Min (mm)	Max (mm)	Min (mm)	Max (mm)	
IR 3109	19.6	No	8.0	10.0	-	-	-	-	1.5
IR 3110	20.3	No	-	-	-	-	6.0	13.0	2.1
IR3111	21.2	Yes	7.0	13.0	-	-	-	-	2.5
IR 3108	39.2	Yes	-	-	-	-	-	-	5.5
IR 3106	50.0	No	8.0	13.0	-	-	-	-	7.0
IR 3107	49.0	Yes	6.0	16.0	-	-	-	-	7.0
IR3112	49.0	Yes*	-	-	6.0	23.0	-	-	7.0
IR3105-S	88.0	Yes	8.0	24.0	-	-	-	-	13.5
IR3104-S	117.0	Yes	8.0	34.0	-	-	-	-	17.0
IR3103-RAPTOR	165	Yes*	34.0	57.0	-	-	-	-	26.0

*Exact size required for manufacture

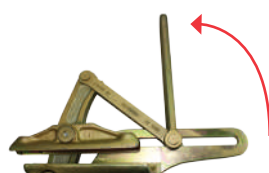
¹ Square and round steel wires differ in range, contact us for more information

Simply purchase additional liners and change as required.

How to Change Liners



Push grip handle towards jaws which opens them.



Lift handle to lock open when handle close to jaws.



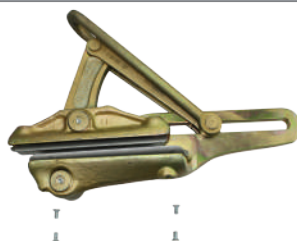
Obtain liner set with screws.



Check liners are correct size.



Place liners in jaw, stubs on liners will fit into holes in jaw frames.

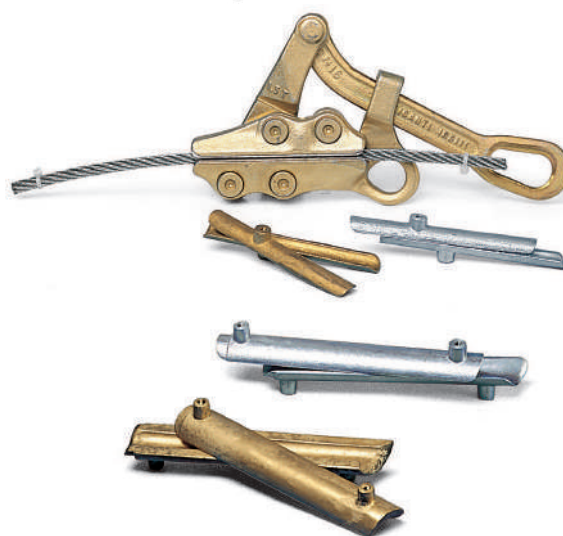


Tighten both screws on top and bottom jaw.

RIGANTI INTERCHANGEABLE LINERS (MADE IN SWITZERLAND)

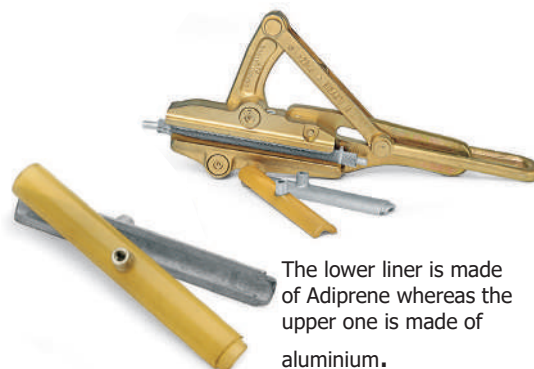
Model No.	Al/Cu Liner Type	Min (mm)	Max (mm)	Al Model No.	Cu Model No.
IR3111	Range	7.0	8.5	G1A070F	G1B070F
		8.5	10.0	G1A085F	G1B085F
		10.0	11.5	G1A100F	G1B100F
		11.5	13.0	G1A115F	G1B115F
		13.0	14.5	G1A130F	G1B130F
IR3108	Range	14.5	16.0	G1A145F	G1B145F
		7.0	11.0	G8A070F	-
		9.0	12.0	G8A090F	-
		12.0	16.0	G8A120F	-
		15.0	23.0	G8A150F	-
IR3107	Range	22.0	36.0	G8A220F	-
		30.0	38.0	G8A300F	-
		6.0	6.0	G7A060F	G7B060F
		6.5	8.0	G7A065F	G7B065F
		8.0	9.5	G7A080F	G7B080F
		9.5	11.0	G7A095F	G7B095F
		11.0	12.5	G7A110F	G7B110F
		12.5	14.0	G7A125F	G7B125F
		14.0	15.5	G7A140F	G7B140F
		15.5	17.0	G7A155F	G7B155F
IR3105-S	Range	17.0	18.5	G7A170F	G7B170F
		18.5	20.0	G7A185F	G7B185F
		20.0	21.5	G7A200F	G7B200F
		21.5	23.0	G7A215F	G7B215F
		8.0	9.0	G5A080F	G5B080F
		9.0	10.5	G5A090F	G5B090F
		10.5	12.0	G5A105F	G5B105F
		12.0	13.5	G5A120F	G5B120F
		13.5	15.0	G5A135F	G5B135F
		15.0	16.5	G5A150F	G5B150F
		16.5	18.0	G5A165F	G5B165F
		18.0	19.5	G5A180F	G5B180F
		19.5	21.0	G5A195F	G5B195F
		21.0	22.5	G5A210F	G5B210F
		22.5	24.0	G5A225F	G5B225F
		24.0	25.5	G5A240F	G5B240F
		25.5	27.0	G5A255F	G5B255F
		27.0	28.5	G5A270F	G5B270F
		28.5	30.0	G5A285F	G5B285F
		30.0	31.5	G5A300F	G5B300F
IR3104-S	Range	31.5	35.2	*	*
		10.0	10.5	G4A-100F	G4B-100F
		10.5	12.0	G4A105	G4B105F
		12.0	13.0	G4A120	G4B120F
		13.5	15.0	G4A135	G4B135F
		15.0	16.5	G4A150	G4B150F
		16.5	18.0	G4A165	G4B165F
		18.0	19.5	G4A180	G4B180F
		19.5	21.0	G4A195	G4B195F
		21.0	22.5	G4A210	G4B210F
		22.5	24.0	G4A225F	G4B225F
		24.0	25.5	G4A240F	G4B240F
		25.5	27.0	G4A255F	G4B255F
		27.0	28.5	G4A270F	G4B270F
		28.5	30.0	G4A285F	G4B285F
		30.0	31.5	G4A300F	G4B300F
		31.5	33.0	G4A315F	G4B315F
		33.0	34.5	G4A330F	G4B330F
		34.5	36.0	G4A345F	G4B345F
		36.0	37.5	G4A360F	G4B360F
		37.5	39.0	G4A375F	G4B375F
		39.0	40.5	G4A390F	G4B390F
		40.5	45.0	*	*

ROUND & SQUARE STEEL WIRE RANGE DIFFERS, LINER MODEL No.'S NOT LISTED BUT SUPPLIED TO EXACT DIAMETER SPECIFIED



Model No.	Steel Square Model No. (**.** Specify Exact Size in mm)	OPGW Range (mm)	Min	Max	OPGW Model No. (**.** Specify Exact Size in mm)
IR3112	-	YES	6.0	23.0	IR3112/ **.*

You require suitable liners for each conductor diameter. Example: Model No. IR3112/17.7 suitable for 17.7mm OD OPGW



The lower liner is made of Adiprene whereas the upper one is made of aluminium.

* Model No. supplied for specific diameter

LINCOLN HOISTS – WEB STRAP & WIRE ROPE (MADE IN USA)

Lincoln Hoist®
The Original Ratchet Winch Hoist

Lincoln Hoist has been designing and manufacturing portable ratchet lever hoists in the USA for over 60 years. Our hoists are made in the USA with unmatched quality and durability. With a variety of models and features to choose from, our hoists are proven in quality and durability.

Both Hoists Feature:

- Wide range of models available
- Load tested to 125% of rated capacity
- Interlocking pawl mechanism - no brakes to slip
- USA made 360° swivel hooks are drop forged, heat treated steel
- Open frame construction for easy inspection and cleaning
- Four hook styles designed to meet application requirements and work practice standards
- Maintenance free bearings are lubed for life
- Safety latch supplied on hook as standard

WIRE ROPE HOISTS

Wire Rope Hoist Features:

- Handle bends to alert operator of overload
- Quick release allows cable to be pulled out freely when rigging
- Reversible handle allows pulling in optimum position
- Hydraulically crimped copper sleeve for uniform hold
- All cable stores on drum

Lincoln Hoist were the manufacturer of all Lug-All's® from 1948-2008 and are continuing to produce quality hoists. Brief history of Lincoln;

- 1949** Introduced first lever hoist using double interlocking pawls
 - 1964** Patented the first portable hoist with 50 feet of cable
 - 1966** First web strap model introduced
 - 1969** Patented breakable stress link system for use on fiberglass handles
 - 1974** Introduced the first 1240 kg portable hoist with self-storing cable
 - 1986** Produced 1,000,000th portable hoist
 - 2001** Introduced convertible web strap hoist using lynch pin fast attachments
 - 2010** Produced 2,000,000th portable hoist
 - 2011** Introduced RFID technology
- LUG-ALL® is a registered trademark of Transol Corporation



Small



Medium



Large

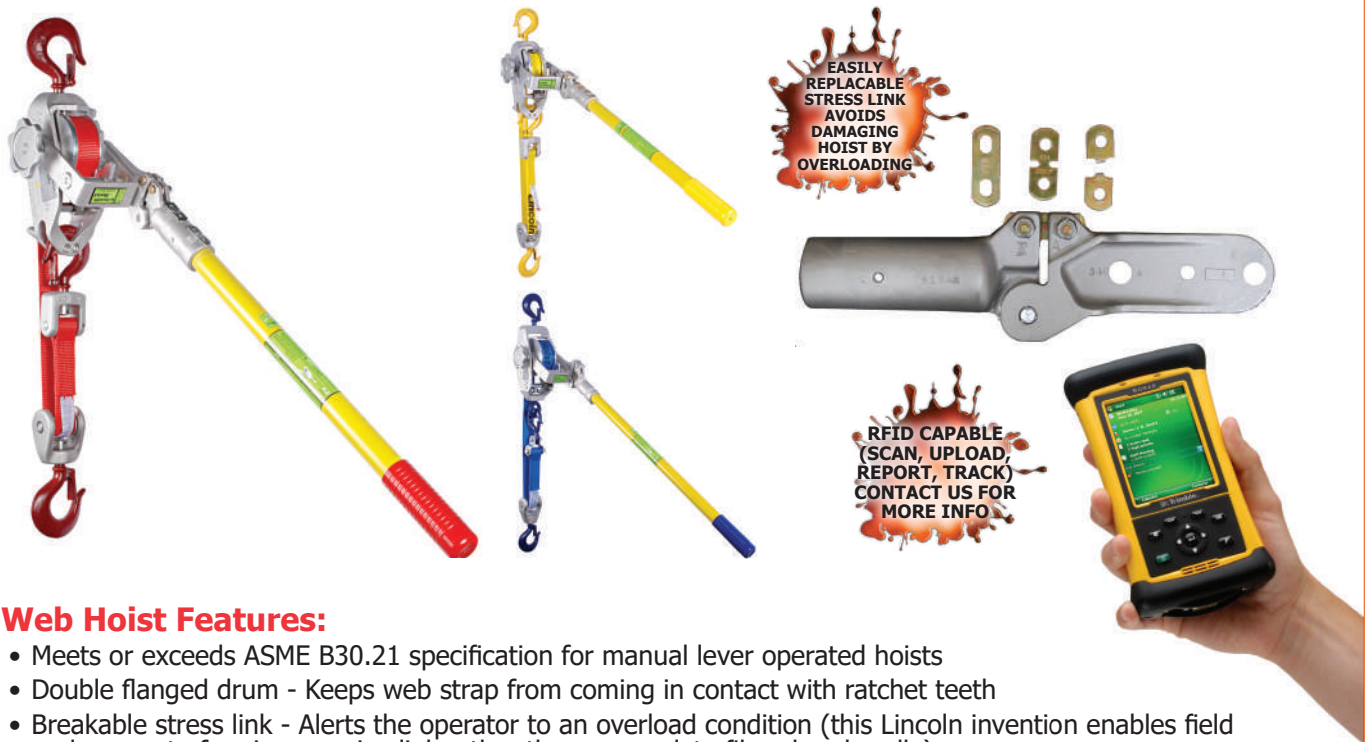


**RFID CAPABLE
(SCAN, UPLOAD,
REPORT, TRACK)
CONTACT US FOR
MORE INFO**

Model No.	Frame Size	Single Line			Double Line			Cable Length (cm)	Handle Length (cm)	Hoist Weight (kg.)
		Cap. (kg)	Single Lifting Distance (cm)		Cap. (kg)	Double Lifting Distance (cm)				
			Min	Max		Min	Max			
LH 1500-25-ANZ	Small	165	48.3	792.5	330	58.4	419.1	777.2	38.1	3.9
LH 2250-20-ANZ	Small	420	48.3	655.3	790	58.4	350.5	640.1	44.5	4.2
LH 3000-10-ANZ	Small	565	48.3	365.8	1130	58.4	205.7	350.5	50.8	4.0
LH 3000-30-ANZ	Medium	565	53.3	983.0	1130	73.7	520.7	960.1	63.5	6.2
LH 4000-20-ANZ	Medium	725	53.3	690.9	1290	73.7	345.4	670.5	76.2	7.0
LH 6000-15-ANZ	Large	1100	63.5	569.0	2200	87.6	320.0	548.6	139.7	15.4

LINCOLN HOISTS – WEB STRAP & WIRE ROPE (MADE IN USA)

Lincoln Hoist®
The Original Ratchet Winch Hoist



Web Hoist Features:

- Meets or exceeds ASME B30.21 specification for manual lever operated hoists
- Double flanged drum - Keeps web strap from coming in contact with ratchet teeth
- Breakable stress link - Alerts the operator to an overload condition (this Lincoln invention enables field replacement of an inexpensive link rather than a complete fibreglass handle)

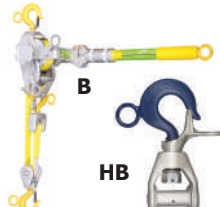
Model No.	Frame Size	Single Line			Double Line			Colour	Web Strap Length x Width (cm)	Handle Length (cm)	Hoist Weight (kg.)
		Cap. (kg)	Single Lifting Distance (cm)		Cap. (kg)	Double Lifting Distance (cm)					
			Min	Max		Min	Max				
2W10L-ANZ-1000	Small	450	45.7	332.7	900	58.4	188.0	Yellow	304.8 x 3	50.8	4.7
3W08-1300-ANZ	Small	680	45.7	271.8	1360	61.0	160.0	Red	243.8 x 3	58.4	4.7
2010060244	Small	680	45.7	332.7	1360	58.4	188.0	Red	304.8 x 3	50.8/76.2	4.7
3W15-1300-ANZ	Medium	680	50.8	482.6	1360	81.3	271.8	Red	304.8 x 3	58.4	6.4
30W08-ANZ	Convertible	680	54.6	276.9	1360	57.2	160.0	Red	243.8 x 3	76.2	4.5
30W08-1300-ANZ	Convertible	680	54.6	276.9	1360	57.2	160.0	Red	243.8 x 3	58.4	4.5
4W12-ANZ	Medium	900	50.8	396.2	1800	76.2	228.6	Blue	365.8 x 4	91.4	6.7

OPTIONAL HOIST CONFIGURATION
Add suffix below to Model No. 2W10S-L)

L (Lynch Pin Model)



**B (Hot Stick Rings)
HB (Hot Stick Gate Latch)**



Y (Levers added to pawl shafts – Glove & Barrier)



LINE CONFIGURATION

SINGLE



DOUBLE



HI-TOOL NGK WEB STRAP PULLERS (MADE IN JAPAN)

HI-TOOL CO., LTD



NP-1500

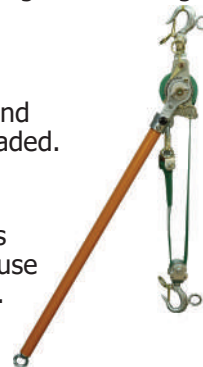
NEX-1500
Clutch Style

For overhead stringing and tensioning applications, not designed for lifting applications.

Handle neck will bend when unit is overloaded.

Insulated Fibreglass handle for live line use with insulated stick.

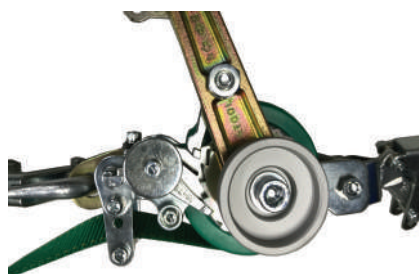
NEX-1500-H
Hotline



SPECIFICATIONS

Model No.	Capacity (kN)	Strap Size (mm)	Handle Length (mm)	Pull Length (m)	Wt (kg)
NP-1500	15	32 x 2	460	1.5	3.6
NEX-1500	15 (Double)	32 x 2	460	1.5 (Double)	3.9
	7.5 (Single)			3.0 (Single)	
NEX-1500-H HOTLINE	15 (Double)	32 x 2	800	1.5 (Double)	4.3
	7.5 (Single)			3.0 (Single)	

REVERSE RATCHET STYLE WEB-STRAP HOIST



NEL-1500 MECHANISM



K058.07151.BK
Double Action Hook



NEL-1500



NEL-1500CK

Model No.	Capacity (kN)	Strap Size (mm)	Handle Length (mm)	Pull Length (m)	Weight (kg)
NEL-1500	15 (Double) 7.5 (Single)	32 x 2	460	1.5 (Double) 3.0 (Single)	4.2
NEL-1500CK c/w Kong Hooks	15 (Double) 7.5 (Single)	32 x 2	460	1.5 (Double) 3.0 (Single)	4.2



SERVICE LINE TENSIONER

Used to tension small ABC (Aerial Bundled Cable). Made with high quality stainless steel componentry and durable yachting rope, comes with detailed tag. Usually utilised with a soft sling or pole strap (Sold Separately).

Model No.	Description	WLL (kg)	Rope Length Total (m)	Weight (kg)	Grip Details			
					Eye Size (mm)	Min Cable	Max Cable	WLL (kN)
SERVICE-TGL	Service Line Tensioner Only	200	3	1.6	N/A	N/A	N/A	N/A
SERVICE/ABC	Service Line Tensioner & Grip (ABC-S-GRIP)	200	3	2.2	26x30	2x16 4x16	2x50 4x35	3.5

OTHER LENGTHS AVAILABLE UPON REQUEST

HEAVY DUTY GRADED TUBULAR WEAVE (MADE IN AUSTRALIA)

HDGW SERIES

Construction:

- Multi Ply
- Galvanised Strand
- Alloy Ferrule
- Soft Eye
- Copper Slewing

HDGW



HDGWCS



HDGW Model No.	HDGWCS Model No.	To fit Cable Diameter (mm)	Grip Length (mm)	Ultimate Tensile Strength (UTS kN)	WLL (kN)
HDGW08	HDGW08CS	8-11	700	28	9.3
HDGW10	HDGW10CS	10-15	750	37	12.3
HDGW15	HDGW15CS	15-21	810	57	19.0
HDGW20	HDGW20CS	20-27	1040	73	24.3
HDGW27	HDGW27CS	27-35	1160	101	33.6
HDGW32	HDGW32CS	32-37	1160	101	33.6

Note: WLL (Working Load Limit) 3:1 Recommended as a Guide Only.

HEAVY DUTY TUBULAR GRIP (MADE IN AUSTRALIA)

CHD SERIES

Construction:

- Double or Triple Ply
- Galvanised Strand
- Alloy Ferrule
- Soft Eye



Available in 316 stainless steel or with thimble eye on request

Model No.	To fit Cable Diameter (mm)	Grip Length (mm)	Ultimate Tensile Strength (UTS kN)	WLL (kN)
CHD1004	4-7	300	5	1.6
CHD1006	6-11	350	8	2.6
CHD1010	10-14	350	15	5.0
CHD1014	14-19	400	20	6.6
CHD1019	19-28	500	37	12.3
CHD1028	28-40	600	54	18.0
CHD1040	40-55	800	62	20.6
CHD1055	55-75	900	80	26.6
CHD1075	75-95	1000	180	60.0
CHD1095	95-120	1000	215	71.6

Note: WLL (Working Load Limit) 3:1 Recommended as a Guide Only.

REFER PAGES 204-205 FOR FITTING INSTRUCTIONS

CABLE SOCKS - STANDARD TUBULAR CABLE GRIPS (MADE IN AUSTRALIA)

C1 SERIES

Construction:

- Two Ply
- Alloy Ferrule
- Galvanised Strand
- Soft Eye

SOFT EYE - AL FERRULE Model No.	To fit Cable Diameter (mm)	Grip Length (mm)	Ultimate Tensile Strength (UTS kN)	WLL 3:1 (kN)*
C1010	10-14	350	5	1.7
C1014	14-19	400	9	3.0
C1019	19-28	500	15	5.0
C1028	28-40	600	24	8.0
C1040	40-55	800	35	11.7
C1055	55-75	900	62	20.7
C1075	75-95	1000	98	32.7
C1095	95-120	1200	133	44.3
C1120	120-150	1400	187	62.3
C1150	150-190	1600	283	94.3

¹ Copper ferrule C3 series available for reduced spark environments

* WLL (Working Load Limit) 3:1 Recommended as a Guide Only.



MOST POPULAR

NON-CONDUCTIVE TUBULAR GRIP (MADE IN AUSTRALIA)

LV SERIES

Construction:

- Double or Triple Ply
- Alloy Ferrule
- Monofilament Nylon Strand
- Single Eye

Model No.	To fit Cable (mm ²)	Grip Length (mm)	Ultimate Tensile Strength (UTS kN)	WLL (kN)
LV225	2 x 25mm ²	600	15	5.0
LV235	2 x 35mm ²	600	15	5.0
LV250	2 x 50mm ²	600	15	5.0
LV295	2 x 95mm ²	600	15	5.0
LV335	3 x 35mm ²	600	15	5.0
LV395	3 x 95mm ²	600	25	8.3
LV425	4 x 25mm ²	600	15	5.0
LV435	4 x 35mm ²	600	15	5.0
LV450	4 x 50mm ²	600	15	5.0
LV470	4 x 70mm ²	800	17	5.6
LV495	4 x 95mm ²	800	25	8.3
LV4150	4 x 150mm ²	800	25	8.3

Note: WLL (Working Load Limit) 3:1 recommended as a guide only.

HV SERIES

Construction:

- Double or Triple Ply
- Alloy Ferrule
- Monofilament Nylon Strand
- Double Eye

Model No.	To fit Cable (mm ²)	Grip Length (mm)	Ultimate Tensile Strength (UTS kN)	WLL (kN)
HV335	3 x 35mm ²	800	25	8.3
HV350	3 x 50mm ²	800	25	8.3
HV370	3 x 70mm ²	800	25	8.3
HV395	3 x 95mm ²	900	31	10.3
HV3120	3 x 120mm ²	900	31	10.3
HV150	3 x 150mm ²	900	31	10.3
HV3185	3 x 85mm ²	900	31	10.3

Note: WLL (Working Load Limit) 3:1 recommended as a guide only.



For LV ABC



For HV ABC

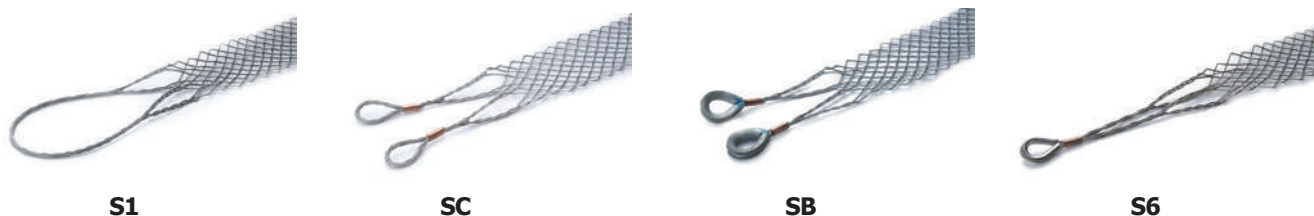
OTHER SOCKS AVAILABLE

NOTE: Other variations and sizes available, please contact your nearest Specialised Force branch for more information with WLL and cable OD sizing.

DOUBLE-EYE SERIES



LACE UP SERIES



OPEN BOTH ENDS



EXTENSIVE RANGE OF SOCK CONFIGURATION, TYPES & MATERIALS AVAILABLE

HOSE RESTRAINTS



TRANSMISSION STRINGING CABLE GRIPS (MADE IN ITALY)

C06 SERIES

Single eye cable grips

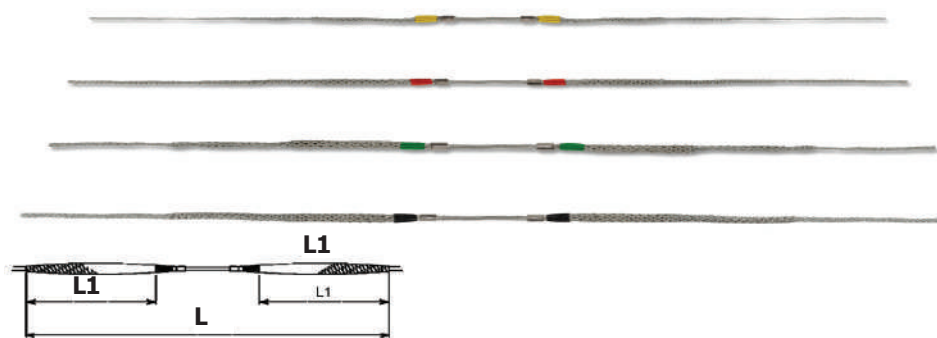


Model No.	Conductor Diameter (mm)	Identifying Colour	Useful Length L1 (mm)	Total Length L (mm)	WLL (kN)*	Wt (kg)
C 06.S.1	8-17	YELLOW	1100	1400	12	0.7
C 06.S.2	17-29	RED	1350	1700	28	1.3
C 06.S.3	29-38	GREEN	1470	1900	45	2.1
C 06.S.4	38-50	BLACK	1810	2270	61	2.7

* WLL: 3:1 Safety Factor

C07 SERIES

Double end cable socks for temporary connection of conductors



Model No.	Conductor Diameter (mm)	Identifying Colour	Useful Length L1 (mm)	Total Length L (mm)	WLL (kN)*	Wt (kg)
C 07.S.1	8-17	YELLOW	1100	2680	12	1.2
C 07.S.2	17-29	RED	1360	3240	28	2.3
C 07.S.3	29-38	GREEN	1470	3340	43	3.6
C 07.S.4	38-50	BLACK	1820	4240	60	4.8

* WLL: 3:1 Safety Factor

GENERAL FITTING INSTRUCTIONS AND CONDUCTOR PREPARATION

Note, you should always follow manufacturer's instructions or procedures.

When you first come to fit your Cable Grip, you will probably find that the conductor has been cut using some shearing Mechanism, for example a parrot beak cutter. This method of cutting leaves a very sharp edge on the end of the conductor, as **Figure 1** shows.

In order to obtain maximum strength from your cable grip, it is extremely important to remove the sharp edge and it is very easy to do, only taking a minute or two. **Figure 2.**

A rule of thumb for the amount of chamfer on the conductor, is approximately 30° chamfer for a distance of approximately half the diameter of the conductor. This applies whether the cable is a solid copper rod, or a stranded aluminium conductor.

When you unpack your cable grip, you will notice that the end has probably closed over, similar to that in the photograph illustration. **Figure 3.**

This does not mean that the grip is in any way damaged. You will need to open up the mouth of the cable grip before trying to fit it on to the end of the conductor. To open up the cable grip, all you have to do is, by hand, manipulate the wires at the end until you get a nice opening as per the photograph. **Figure 4.**

If you are going to fit the cable grip to a stranded conductor or even a wire rope, it may be necessary to use some PVC electrical tape. Tape down the end of the conductor for about 25mm. just to prevent the strands from coming out of their formation and snagging or catching on the inside of the cable grip as it is being fitted. It is now just a matter of putting the mouth end of the cable grip against the end of the conductor and slowly working it on.

In the picture, **Figure 5**, the conductor has been pushed into the cable grip as far as it can go - right up to the very shoulder of the cable grip. Once you are sure it is in as far as it can go, ensure that all the slack or the loose spots along the grip have been eased out towards the mouth end.



Fig. 1



Fig. 2

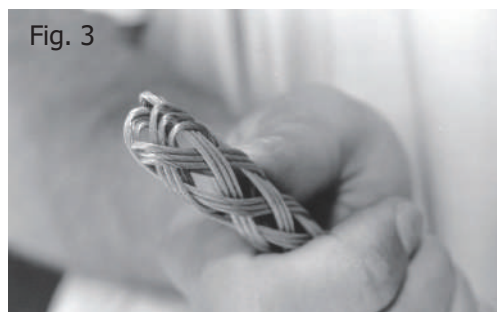


Fig. 3

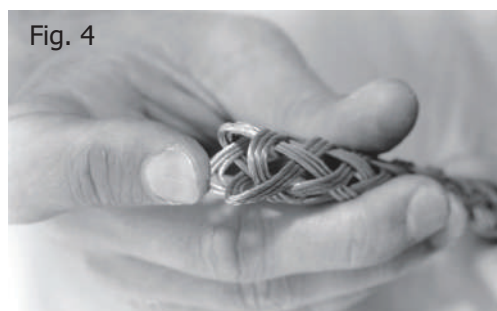


Fig. 4



Fig. 5



GENERAL FITTING INSTRUCTIONS AND CONDUCTOR PREPARATION - CONTINUED

During hauling operations it may be necessary to reverse the direction of the pull. It is vitally important that the cable grip is anchored at the mouth end to guard against accidental release during a reverse haul operation. This is a very simple procedure to do and it requires a nylon cord or wire to be placed around the end of the cable grip for approximately 25 or 30mm. The photograph shows a nylon cord being used.

Figure 6.



The final process in the installation, is to get some PVC electrical tape or some heat shrink and apply over the tail of the grip and the sealing. **Figure 7** This ensures that all the uneven surfaces are covered and makes a smooth transition from conductor to grip.

When using graded weave grips it is important to remember that there are wires protruding from the grip at intervals along the body of the grip. These wires can also foul in a reverse hauling situation. It is important that you tape protrusions prior to the commencement of the haul.



INSPECTION OF NON-CONDUCTIVE CABLE SOCKS

The following is an outline on the steps taken to carry out a visual inspection of a Nylon Cable Grip.

1. Select a work area which is clean, well lit and has somewhere to lay the grip out flat.
2. Lay the grip out.
3. Look for dirt / contamination on the grip. If dirty (e.g. soil or mud) wash off with plain water and dry. If contaminated by something other than dirt it is advisable to remove the grip from service and replace. Some types of contamination (e.g. oil) can affect the nylon. The extent to which the nylon has been affected can never be determined by sight.
4. Start at the eye, look for broken or abraded strands of nylon. If none found move to step 5. If one or more broken or badly abraded strands are found then replace grip.
5. Starting at the eye look for kinked or pulled strands. This would indicate the grip may have been fouled on a roller and would indicate possible overloading at these points. If none found move to step six, should the grip show kinks or pulled strands - then replace the grip.
6. Check the colour, the nylon should be a clear or coloured transparent colour, if it has changed to a milky opaque - then replace the grip.
7. Examine the grip for "elasticity". Manipulate the grip, it must feel "springy" soft. It is advisable, where possible, to have a new grip on hand to use as a "benchmark" for examination. If the grip feels hard then replace. Once this procedure is complete you can be confident the grip is suitable for continued use, or should be discarded.

SERIES 00505 OVERHEAD & UNDERGROUND LINE SWIVELS (MADE IN CANADA)

DCD



DCD Line Swivels are typically constructed with a needle roller thrust bearing for tensile load and a radial bearing for bending load.

They combine a high safe working load with a compact design.

All sizes incorporate an oil seal and are manufactured from high strength stainless steel.

Sizes 00505-020 and larger are supplied with a grease point for lubrication. This is particularly useful in overhead applications where high speed rotation is possible.

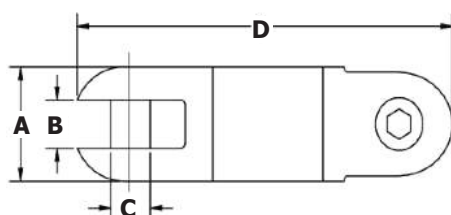
All sizes of both types are pull tested to verify the 3:1 safety factor and all swivelling sizes are fully capable of rotation at full working load. Test certificates are available upon request.

Permanent marking is std. on all swivels.

SPECIFICATIONS

Model No.	Safe Working Load (kN)	Dimensions (mm)				Replacement Pin Model No.	Weight (kg)
		A	B	C	D		
00505-005	3.3	16	7.1	4.8	64	00005-SLT	0.06
00505-008	5.0	20	7.1	4.8	78	00008-SLT	0.12
00505-010	10.0	22	9.5	7.9	86	00010-SLT	0.15
00505-015	15.6	25	10.3	9.5	98	00015-SLT	0.23
00505-020	22.2	32	13.5	10.3	121	00020-SLT	0.45
00505-025	31.1	35	14.3	12.7	130	00025-HEX	0.63
00505-027	40.0	38	15.1	12.7	143	00025-HEX	0.77
00505-030	44.5	41	17.5	15.9	152	00030-HEX	0.95
00505-035	66.7	51	19.8	17.5	178	00035-HEX	1.7
00505-040	110	60	26.2	22.2	262	00040-HEX	3.5
*00505-045	222	76	30.2	28.6	349	00045-HEX	7.7

NOTE: The Safe Working Load is Calculated at 3:1 Safety Factor



* Manufactured from alloy steel with black oxide finish

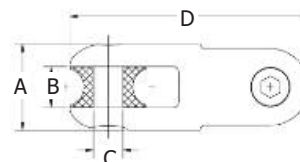
ROPE TO ROPE CONNECTORS (MADE IN CANADA)

DCD

The Rope to Rope Connectors are used to connect two ropes of up to 22mm diameter. The entire product, including sheaves, is manufactured from Stainless Steel. Replacement sheaves are available by contacting your nearest Specialised Force Branch.

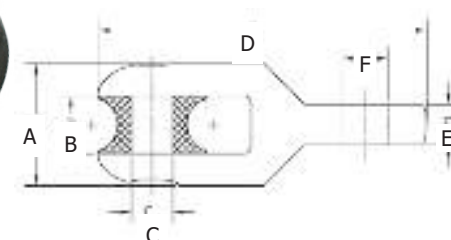
Model No.	WLL (kN)	Diameter (mm)	A (mm)	B (mm)	C (mm)	D (mm)	Weight (kg)
00521-035	66.7	22	50.8	23.8	17.5	139.7	1.23

* WLL (Working Load Limit) 3:1 Recommended as a Guide Only.



ROPE TO SWIVEL CONNECTORS (MADE IN CANADA)

This product is used to connect a swivel to pulling rope. The entire product, including sheave, is manufactured from Stainless Steel. Replacement sheaves are available by contacting your nearest Specialised Force Branch.



Model No.	WLL (kN)	Max. Rope Dia. (mm)	Dimensions (mm)						Weight (kg)	Fits Line Swivel
			A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)		
00522-025	31.1	22.2	50.8	23.8	17.5	134.9	12.7	13.4	0.9	00505-020 00505-025 00505-027
00522-035	66.7	22.2	50.8	23.8	17.5	136.53	16.6	19.0	1.0	00505-030 00505-035

* WLL (Working Load Limit) 3:1 Recommended as a Guide Only.



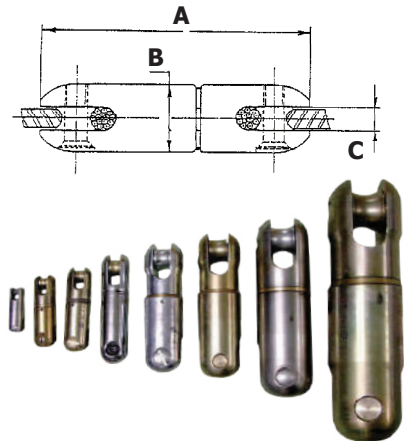
SWIVELS (MADE IN ITALY)

Model No. F250.R

Swivel joint for ropes and conductors. Designed to release torsion and twisting during cable pulling and overhead stringing operations. Made of galvanised steel, complete with an axial bearing for an easy rotation.

Standard Model No.	Dimensions (mm)			Rope (Max Ø mm)	Standard Model No.		Wt (kg)
	A	B	C		WLL (kN)*		
F250.R.06	60	18	8.5	7	4		0.10
F250.R.08	95	25	10	9	8		0.36
F250.R.12	118	33	15	14	25		0.60
F250.R.13	130	40	17	16	40		0.90
F250.R.16	165	45	21	18	63		1.50
F250.R.18	180	50	23	22	80		2.30
F250.R.24	230	60	28	26	130		3.10
F250.R.28	310	80	36	32	260		7.00
F250.R.32	345	85	38	38	280		10.50

* WLL: 3:1 Safety Factor



GF SERIES ROPE JOINTS

Joint made of high tensile galvanised steel, for connection of galvanised steel wire rope or pulling rope rope. Designed to pass over capstan grooves of pullers or puller/tensioners.

Model No.	Dimensions (mm)					For Rope (mm Ø)	WLL* (kN)	Wt (kg)
	A	H	B	Ø	R			
GF.10.00	68	14.0	36	17	13	10/12	23	0.2
GF.13.00	76	17.0	37	21	15	13/14	37	0.3
GF.16.00	96	19.0	50	22	20	16	53	0.6
GF.18.00	110	25.0	56	24	22	18/20	73	0.9
GF.24.00	125	26.5	60	28	24	22/24	120	1.3
GF.26.00	168	30.0	72	38	30	26/28	250	3.0
GF.32.00	178	35.0	80	44	34	28/32	280	3.5

* WLL: 3:1 Safety Factor



JOINT COVERS (MADE IN ITALY)

DETAILS

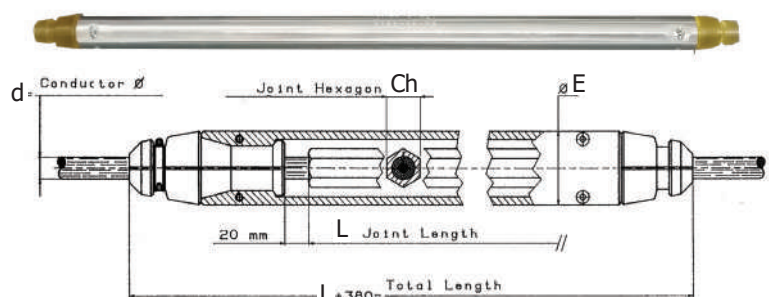
Joint protectors or joint covers are made up of two galvanised steel shells. The ends are shaped to hold rubber bevelled ends. Each cover is specially made to accommodate the bending radius of the conductor, during passage through running out blocks or rollers in stringing operations.

Note: Please specify the following dimensions for quotation:

L = length of the joint after pressing

d = conductor diameter

ch = hexagon OD dimension of the joint after pressing



Model No.	Pulley Groove	Cover External Ø (mm)	Conductor Ø (mm)	L max (mm)	Hexagon Ch max (mm)	WLL (kN)*	Wt (kg)
F166.40.1	54/60	50	18	700	28	2.5-5.0	10
F166.60.1	68	57	28	995	40	4.0-6.5	16
F166.65.1	68	70	32	1080	48	2.0-5.0	18
F166.92.1	95	89	50	1240	60	6.0-6.5	32

* WLL: 3:1 Safety Factor

INSULATING ROPE



DETAILS

Red water repellent three strand insulating high tenacity Polypropylene Monofilament fibre rope with low water absorption coefficient. For hot stick and bare hand work in overhead or substation applications that require maximum insulating properties. Dry tested at 100,000V per 300mm under humid conditions.

- Quality manufactured (Under ISO 9001) in accordance with IEC 62912.
- Manufactured in various lengths with diameters ranging from 6mm to 20mm.
- Splicing available upon request*
- Can be manufactured in Safety Yellow



PLEASE NOTE: Made to Order (Safety Yellow) will be subject to longer lead-times.

SPECIFICATION

Model No.	Rope Size (mm) OD	Length (m) on Roll	Breaking Load (daN)*	Weight per/m (g) Approx
982020	8	100	911	30
982019	8	200	911	30
982018	8	300	911	30
982022	14	100	2847	90
982023	14	200	2847	90
982024	14	300	2847	90
988630	16	100	3416	120



***NOTE: Splicing may reduce the strength of the rope, only qualified personnel should splice this rope as per the manufacturer's recommendations. Contact us for more information on approved methods.**



APPLICATIONS

For works on high voltage, live line or proximity to electrical line.
Stringing and Laying: Aerial, Optical Fiber, Subterranean.

FEATURES

- Raw material: Polypropylene Monofilament
- Specific gravity: 0.93
- No water uptake
- Floatability
- Low flexibility
- Weak resistance to UV exposure
- Spliceable
- Additive treatment
- Insulating
- Excellent Dielectric properties
- Supplied with quality certificate
- Manufactured in accordance with IEC 62192

CAUTION

We recommend keeping the rope clean and dry in order to assure the highest dielectric properties. If the material is not used in good conditions, the highest dielectric protection can not be assured.

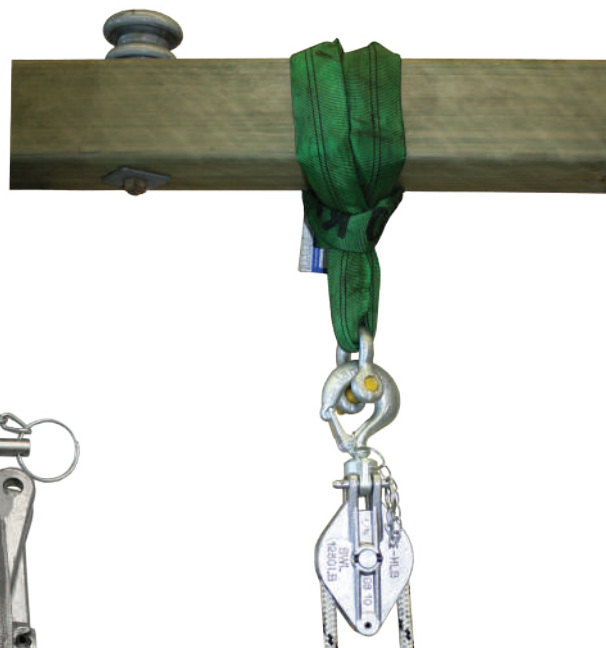
MODEL No. HLB-560

Aluminium Hand Line Block

Lightweight aluminium hand line block used for hauling and lifting applications. Comes with top swivelling hook with safety latch. Side opening with ball lock pin secured to body with chain.

SPECIFICATIONS

Model No.	HLB-560	HLB-560/P&C
WLL (kg)	560	560
Max Rope (mm) OD	16	16
Sheave Diameter (mm)	75	75
Gate Latch- Pin Type	R CLIP	DETENT PIN



Model No.	PCA1260
WLL (kg)	2000
Description	2m Polyester Sling

SPARE PARTS

Model No.	Description
HLB-P&C	Pin & Chain
HLB-R/CLIP	Pin & R/Clip
HLB-LK	Latch Kit - Spring, Gate & Pin



LATCH KIT
Model No. **HLB-LK**



PIN & CHAIN
Model No. **HLB-P&C**

MODEL No. BPE-1 PULLING EYE

- For anchor rod pulling
- Large offset eye for 3 tonne shackle or hook
- Allows clearance for attaching formed wire grips
- Slide wedge design allows for a range of rods sizes
- Cast from high strength iron

Model No.	Anchor Rod Ø (mm)	WLL 5:1 (kg)	Wt (kg)
BPE-1	13-32	2721	2.2



**HIGH FORCE COMPOSITE-DOUBLE BRAIDED
CABLE PULLING ROPE (MADE IN USA)**

PELICAN ROPE
The Most Trusted Name in Rope™



With shock absorption properties similar to nylon and a higher tensile strength than either nylon or polyester, this rope offers even balance and excellent resistance to abrasion, sunlight and most common chemicals.



DETAILS

- Double-braided inner core with double-braided outer jacket
- Rot and mildew resistant.
- Factory spliced eyes at both ends.
- Lowest stretch
- Select a rope with a maximum rated capacity that meets or exceeds the cable Puller's maximum capacity.
- White rope with green tracer for easy identification
- Supplied on heavy-duty plastic or wooden reel



SPECIFICATIONS

Model No.	Rope Diameter	Rope Length	Average Breaking Strength*	Weight
	mm	m	kN	Kg
4N-180-03S	14.3	91	54.6	12.7
4N-180-06S	14.3	182	54.6	28.6
4N-180-12S	14.3	365	54.6	59.0
4N-240-03S	19.1	91	114.5	26.3
4N-240-06S	19.1	182	114.5	51.3
4N-240-12S	19.1	365	114.5	104.3
SUITS GREENLEE 31466 CABLE PULLER				
4N-280-03S	22.2	91	134.1	40.8
4N-280-06S	22.2	182	134.1	80.7
4N-280-12S	22.2	365	134.1	163.3
4N-280-001	22.2	500	134.1	223.7
SUITS GREENLEE 00813 & 00814 CABLE PULLER				

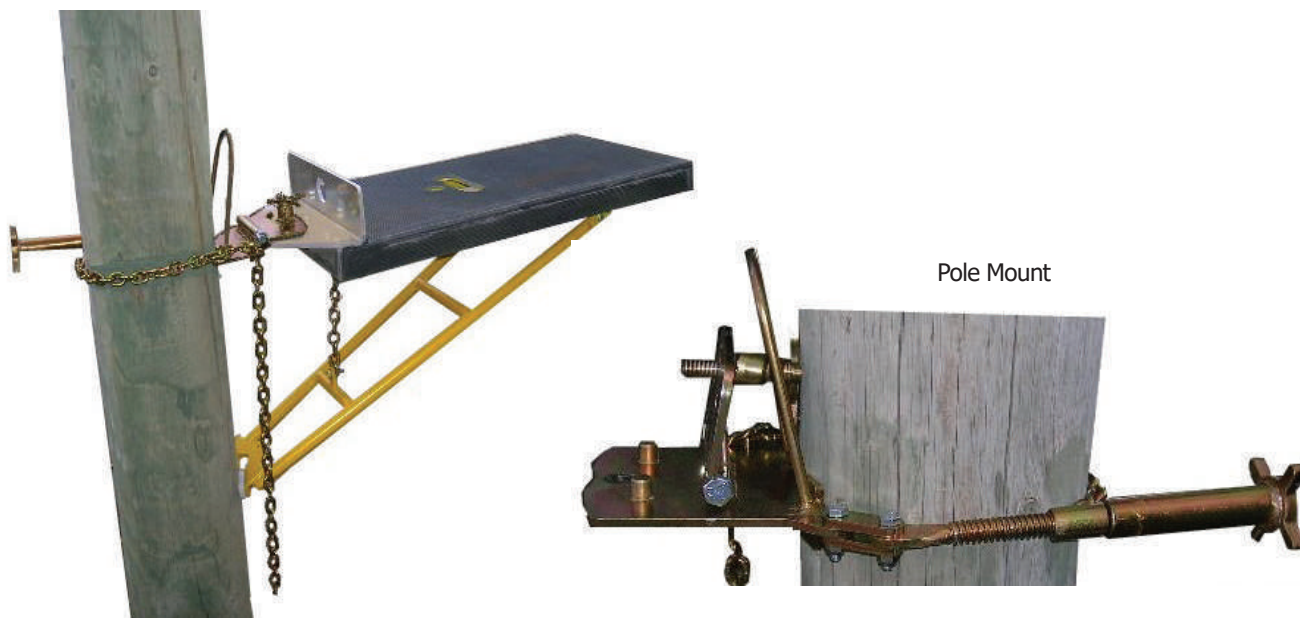
* Working Load Limit is 5:1 for Lifting and 3:1 for Pulling applications of "Break Strength" unless otherwise specified by manufacturer, local authority, procedure or guideline

NOTE: Longer rope lengths available on request



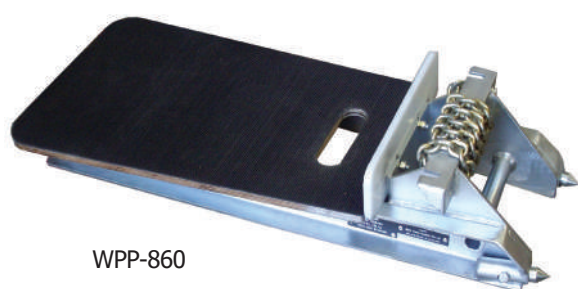
MODEL No. MPPP-700 MULTI-PURPOSE POLE PLATFORM

This unit comes in two parts, one to secure onto the power pole as stage one and the standing unit to complete the set up. Manufactured with a combination of aluminium, steel, rubber and polyurethane this unit is certified to a working load limit of 150kg. Standing platform is 630 x 350mm. It will suit all types of power poles up to 450mm in diameter.



Model No.	Description	Suits Pole Diameters (mm)	Dimensions (mm)	WLL (kg)	Wt (kg)
MPPP-700	Multi-Purpose Pole Platform	Up to 450	1320 x 350 x 260	150	15

MODEL No. WPP SERIES WOOD POLE PLATFORMS



WPP-860

Made from steel and marine ply, finished with zinc plating. This unit is rated to a working load limit of 150kg. Standing platform measures 350 x 650mm, 3mm rubber is adhered for insulation and anti-slip properties. Will suit wooden power poles up to 400mm in diameter.

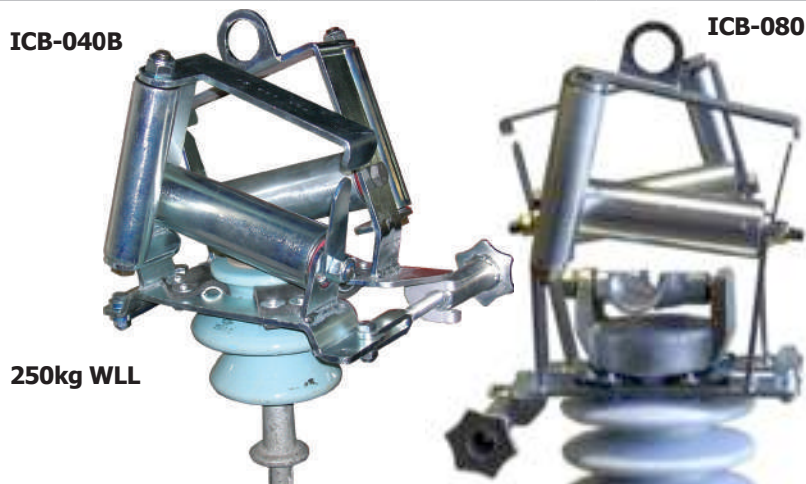


WPP-1200

Standing platform is 1060 x 460mm with anti-slip surface. High tensile chain is supplied to suit wooden power poles up to 750mm in diameter. Tested and certified to working load limit 150kg. Frame work is zinc plated.

Model No.	WLL (kg)	Maximum Pole Diameter (mm)	Deck Length x Width (mm)	Weight (kg)
WPP-860	150	400	650 x 350	14
WPP-1200	150	750	1060 x 460	18

OVERHEAD INSULATOR & ABC ROLLERS



Insulator Cable Roller

Insulator cable bracket to suit vertical post insulator with top clamp. The unit folds together on a hinge and has a hand screw up handle. A top ring allows the unit to be carried easily or lowered from pole tops with rope. The **ICB-040B** sits close to the top of the insulator where the **ICB-080** is raised up higher.

Model No.	Description	Suits Insulator Necks (mm)	Wt (kg)
ICB-040B	40mm OD Rollers	55-100	6.1
ICB-080	40mm OD Rollers	55-100	6.5



ABC Roller Guide & Fixing Clamp

Suitable for 4x95mm² and 4x150mm² ABC (Aerial Bundled Cable). Assembly is in two parts (Roller Guide & Cable Clamp). Handle sold separately (See below).

Model No.	Description	Handle to Suit Model No. ABC-4X150
ABC-4X150	ABC Roller for 4x95-4x150	ABC-H

UNIVERSAL STRINGING ROLLER & ACCESSORIES

UNIVERSAL STRINGING ROLLER

A high-strength alloy gives this block a 1,135kg working load limit. The throat opening is 95.25mm high and 80mm wide. The 75mm wide, 175mm diameter sheave runs on heavy duty sealed ball bearings. The ball-eye socket clevis attachment accepts optional fittings to suspend the roller (See Below). For Urethane lined sheave, use Model No. CB-1L. Custom laser etching available upon request.

Model No.	Description	WLL (kg)	Bottom of Groove (mm)	Height (mm) Inc Socket	Width (mm)	Wt (kg)
CB-1	Roller Universal Stringing Al Sheave	1,135	110	370	205	4.05



CB-1 shown with RS-1

SPARES: CB-1/LATCH PIN, CB-1/GATEASSY, CB-1-WASHER

MOUNTING BRACKETS FOR UNIVERSAL STRINGING ROLLER

Brackets for mounting universal stringing roller **CB-1**.

Product				
In Use				
Model No.	RS-1	CAB-1	IB-1	IB-AIA-J
Description	Bracket – Ratchet Strap, for ease of mounting CB-1 roller at almost any angle on all size cross-arms, concrete, steel and wooden poles	Bracket – Cross-Arm, allows the CB-1 Roller to be mounted to a cross-arm at almost any angle	Bracket – Insulator Top, with urethane jaws. Allows the CB-1 roller to be mounted to an insulator at almost any angle	Bracket – Insulator Top, allows the CB-1 Roller to be mounted to 22/33kV insulators at almost any angle
Suits	All Cross-Arms. Wood, Concrete & Steel Poles	Cross-Arms up to 146 x 159mm	Insulators, most small to medium neck size	Insulators, most small to large (Including 22/33kV)
WLL (kg)	666	1,135	1,135	1,135









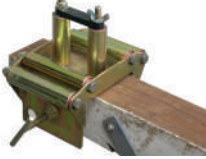

SUSPENSION ADAPTORS FOR UNIVERSAL STRINGING ROLLER

Suspension fittings for suspending rollers with ball-eye socket clevis.

Product			
Model No.	T14	T15	T12
Description	Ball Clevis	"Y" Ball Clevis	Ball Safety Hook



OVERHEAD CROSSARM ROLLERS (MADE IN AUSTRALIA)

	Model No.	Description	Wt (kg)
	CARR-080	Inline Roller suits any crossarm material. 1 horizontal roller, ratchet strap type 250kg WLL	4.0
	Model No.	Description	Wt (kg)
	CARR-140	Inline Roller suits any crossarm material. 1 horizontal roller, ratchet strap type 750kg WLL	4.7
	Model No.	Description	Wt (kg)
	FCARR-100	Roller suits any crossarm material up to 150mm. 2 vertical/2 horizontal rollers, rubber mounts, ratchet strap type	4.8
	Model No.	Description	Wt (kg)
	FCARR4-100	Roller suits any crossarm material up to 150mm. 4 vertical/2 horizontal rollers, rubber mounts, ratchet strap type	5.9
	Model No.	Description	Wt (kg)
	WCAR-100	Roller suits wood crossarms up to 100mm. 2 vertical/horizontal rollers, "T" screw handle	4.4
WCAR-100 shown	WCAR-150	Roller for wood crossarms up to 150mm. 2 vertical/horizontal rollers, "T" screw handle	4.8
	Model No.	Description	Wt (kg)
	WCAR4-100	Roller suits wood crossarms up to 100mm. 4 vertical/2 horizontal rollers, "T" screw handle	5.1
	WCAR4-150	Roller suits wood crossarms up to 150mm. 4 vertical/2 horizontal rollers, "T" screw handle	5.8
	Model No.	Description	Wt (kg)
	WCCR-100	External Corner Roller suits wood crossarms up to 100mm. 4 vertical/2 horizontal rollers, "T" screw handles	8.5
WCCR-100 shown	WCCR-150	External Corner Roller suits wood crossarms up to 150mm. 4 vertical/2 horizontal rollers, "T" screw handles	9.1
	Model No.	Description	Wt (kg)
	WCASR-100	Inline Roller suits wood crossarms up to 100mm. 2 vertical/4 horizontal rollers, "T" screw handles	6.0
WCASR-150 shown	WCASR-150	Inline Roller suits wood crossarms up to 150mm. 2 vertical/4 horizontal rollers, "T" screw handles	6.8
	Model No.	WLL (kg)	Description
	CASB-800	100	Roller Support Bracket with heavy duty ratchet strap suits crossarms. Can be used on wood, steel and concrete poles



HANGING ROLLERS (MADE IN AUSTRALIA)

Photo					
Model No.	ACB145-60	ABC175-60	ABC66-28	APB-1100	ASCB-080
Description	ABC Roller with Side Pin Gate & Safety Hook, Al Sheave 145mm, 50mm OD Max Cable, WLL 2,000kg	ABC Roller, swing apart, plastic sheave 170mm	ABC Roller, swing apart, plastic sheave 66mm	Roller, Plastic Nylon Sheave 600kg WLL, Suits up to 24mm OD cables, 120mm OD Roller	ABC Roller, Side Screw Latch, Aluminium Width 110mm, 105mm roller OD (Also available # ASCB-140, 140mm OD roller 150mm) WLL 500kg (Both)
Photo					
Model No.	CSR-010	PER-01	SCR-01	SCR-02	TRCG-140
Description	Catenary Stringing Roller, Plastic Sheave	Parallel Earth Roller with Plastic Sheave	Single Stringing Contact Roller, Metal Sheave	Double Stringing Contact Roller, Metal Sheave	Triple Aluminium Roller, Lightweight Al Sheaves and Safety Hook with Latch, 1000kg WLL

FIBRE OPTIC ROLLERS

AFG90-2	AFG90-80	APBV-30
Model No.	Description	
AFG90-1	Roller 90° with Single Middle Roller and Retainer Arms	AVH-50
AFG90-2	Roller 90° with Double Middle Roller and Retainer Arms	
AFG90-80	Roller 45° with Single Middle Roller and Retainer Arms	
APBV-30	Pole Bracket for AFG Type Rollers (Makes Rollers Horizontal)	
AVH-50	Adaptor for AFG Type Rollers (Makes Rollers Vertical)	

CABLE DRUM TRAILERS

Australian made galvanised frame single drum cable trailers.



STANDARD INCLUSIONS FOR ALL TRAILERS

- 16" rims and HD tyres
- VIN Number Supplied
- Mechanical Hand brake
- Sealed Bearing Roller Supports
- Ø66mm Drum Spindle with cones and collars to suit
- Jockey Wheel
- All necessary driving lights
- 7 Pin Flat connector
- Rear Stabilising Jacks (2)
- Safety Stickers and operations manual
- Galvanised Steel Chassis



HYDRAULIC - INCLUSIONS FOR SDTH TRAILERS

- Hydraulics for loading and unloading of cable drum
- Electric start motor to power Hydraulic Lifting System
- Electric break-away brake system
- Front and rear stabilising jacks
- Anderson plug charging trailer battery

PLEASE ADVISE THE FOLLOWING WHEN MAKING AN ENQUIRY

1. What is the Max Cable drum weight to be transported?
2. What is the Max Cable drum Diameter?
3. What is the Max Cable drum Width?
4. Is the requirement for a Standard Trailer or for a Trailer with Hydraulic Loading/Unloading capacity?
 - a) If hydraulics is required, is Petrol or Diesel motor preferred?
 - b) How often will loading and unloading of the cable drum be required?

HYDRAULIC PULLERS



SCAN & PLAY

HYDRAULIC TENSIONERS



SCAN & PLAY



SCAN & PLAY

HYDRAULIC PULLER TENSIONERS

CABLE-PUSHER MACHINES



SCAN & PLAY



SCAN & PLAY

HYDRAULIC POWER UNITS

OPTIONAL ACCESSORIES



SCAN & PLAY

REEL STAND



SCAN & PLAY

REEL TRAILERS



SCAN & PLAY

ANTI-TWISTING STEEL ROPE



21.12



SCAN & PLAY

HELICOPTER STRINGING ROLLERS



Series F



SCAN & PLAY



DETACHABLE PULLEY



21.12



SCAN & PLAY

RUNNING OUT ROLLER



F 151 235 AS



SCAN & PLAY

PULLEY BLOCKS



F145



SCAN & PLAY

SNATCH BLOCKS



C86.ST



SCAN & PLAY

SAGGING SCOPE AND ROPE MESURING DEVICE



C 120



F77



SCAN & PLAY

MULTIPLE ROLLER PULLEY



F 1308 100 98



SCAN & PLAY

PORTABLE STRINGING EARTH



C35



F153, F154 RUNNING BOARDS



F154



F153



OPGW COUNTERWEIGHT

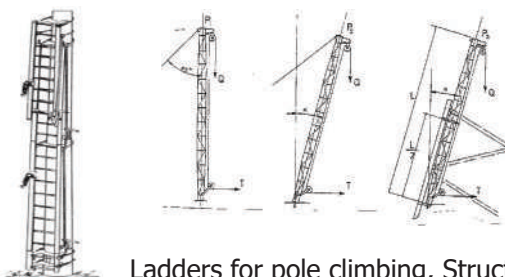


F198

LINE TROLLEY



GIN POLES & ALUMINIUM ALLOY EQUIPMENT



Ladders for pole climbing, Structures for conductor crossing and Gin poles



F 127 SERIES SUSPENSION PLATFORMS



SCAN
& PLAY

C 167 SERIES SUSPENSION LADDERS (VERTICAL)



SCAN
& PLAY

C 167F SERIES SUSPENSION LADDER/PLATFORM



SCAN
& PLAY

C167G SERIES SUSPENSION LADDER/PLATFORM



SCAN
& PLAY

C161 SERIES SUSPENSION LADDERS



SCAN
& PLAY

F OVERHEAD CONSTRUCTION & STRINGING EQUIPMENT

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