



SPECIALISED FORCE
HYDRAULIC TOOLS &
SPECIALISED EQUIPMENT
PTY. LTD.

**Electrical,
Winches,
Stringing &
Cable
Laying**



www.specialisedforce.com.au



ELECTRICAL, WINCHES, STRINGING & CABLE LAYING

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ELECTRICAL, WINCHES, STRINGING & CABLE LAYING

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WIRE ROPE CUTTER - SENYO WAVE DRAGON (MADE IN JAPAN)

MODEL No. SENYO SERIES

The Senyo range of Wave Dragon hydraulic wire rope cutters from Japan are easy to operate, heavy duty and reliable with a minimum amount of parts. These tools are used in a wide range of applications, including rigging and wire rope manufacture, etc.



SENYO-B MODEL PICTURED










Model No.	Dimensions (mm)	Cutting Capacity (mm)	Weight (kg)	Replacement Blade/Cutting Edge Model No.
SENYO-A	310 x 90 x 152	20 (3/4")	10	SENYO-A3
SENYO-B	380 x 105 x 180	30 (1 3/16")	15	SENYO-B3
SENYO-C	400 x 120 x 200	40 (1 5/8")	20	SENYO-C3
SENYO-D	485 x 130 x 220	50 (2")	30	SENYO-D3

BOLT CUTTERS (MADE IN JAPAN)

Blades are drop forged special alloy steel, double quenched and tempered. Specialised cutting tools for professionals.



Mini	Standard	Bench
One hand operation with spring	Two hand operation	For volume work

Model No.	Type	Length (mm)	Cutting capacity, Mild steel, HRB80/50kgf/m ² Copper wire – mmOD	Weight	End view	Spare Jaw Model No.	Weight (kg)
HA-250	Standard	233	4	0.33		N/A	N/A
HA-300		315	5	0.72		HAI-300	0.26
HA-350		365	6	0.95		HAI-350	0.36
HA-450		480	7	1.50		HAI-450	0.58
HA-600		625	10	2.50		HAI-600	1.00
HA-750		770	13	3.80		HAI-750	1.40
HA-900		930	16	5.90		HAI-900	2.10
HA-1050	Bench	1080	18	8.60		HAI-1050	3.10
HA-600BB		540	10	5.00		HAI-600	1.00



WIRE ROPE/CABLE CUTTERS AND SWAGERS (MADE IN JAPAN)



Wire Rope Cutter – Hand	Cable Cutter – Hand	Wire Rope Cutter – Hand	Wire Rope Swager – Bench	Wire Rope Swagers – Hand
RC-8	RC-SERIES	KC-SERIES	WR-10BB	HSC-SERIES
Single Hand	Double Hand	Double Hand	Bench Type	Swagers & Cuts Double Hand

Model No.	Type	Length (mm)	Capacity (mm)	Weight (kg)	Model No. for Spare Blade Set	Blade Weight (kg)
RC-8	Wire Rope Cutter	195	5	0.3	N/A	N/A
RC-450		470	12	1.5	RCJ-450	0.5
RC-800		800	16	3.9	RCJ-800	1.3
KC-450	Cable Cutter (Cu/Al)*	475	25	1.4	KCJ-450	0.5
KC-800		810	50	3.6	KCJ-800	1.0
WR-6		350	6	0.9	WRJ-6	0.3
WR-10	Wire Rope Cutter	590	10	2.3	WRJ-10	0.7
WR-14		750	14	3.6	WRJ-14	1.2
WR-16		900	16	5.3	WRJ-16	1.6
WR-20		1066	20	8.2	WRJ-20	2.7
WR-10BB	Bench Wire Rope Cutter	540	10	5.0	N/A	N/A
HSC-350	Wire Rope Swager/Cutter ¹	350	1.5–3.5	1.1	N/A	N/A
HSC-600		600	1.5–5.0	2.5	N/A	N/A
HSC-600BB		540	1.5–5.0	5.2	N/A	N/A
HS-1000	Wire Rope Swager**	1010	6.0–8.0	7.5	N/A	N/A

All Blades are drop forged and tempered.

* Not for cutting wire rope

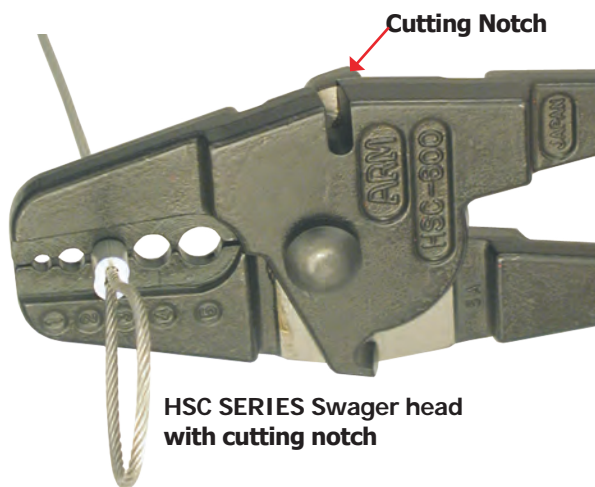
** No cutting function

1 Do not use any other sleeves with ARM Swaging tools, contact your nearest Specialised Force branch for Swage information

More models available upon request.



'WR' Cutting Head shown with notched blade



HSC SERIES Swager head with cutting notch

**REFER ELECTRICAL
CATALOGUE FOR ARM
SWAGING SLEEVE AND TOOL
TECHNICAL INFORMATION**



SWAGER, BATTERY HYDRAULIC & SLEEVES (MADE IN JAPAN)

For swaging 6-12mm (1/4-1/2") wire rope together. Arm swaging tools and arm oval sleeves must be used in conjunction (do not use other brands of crimpers with sleeves and vice versa).



MODEL No HS12-MH230

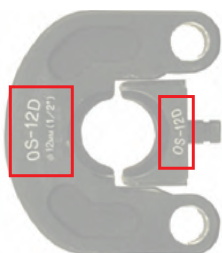
Model No.	HS12-MH230
Battery Voltage (VDC)	14.4
Battery Type	Ni-MH
Size (mm) L x W x H	355 x 90 x 350
Swaging Speed (sec)	7
Accessories (Included in kit)	Tool, 2 x Batteries, 230VAC Charger, Check Gauge, RC-450 Cutter, Dies (OS-6D, OS-8D, OS-9D/10D & OS12D), Die Removing Tool, CD Operational Video & Carry Case

MODEL NO. HS12-230V ELECTRIC HYDRAULIC SWAGER (MADE IN JAPAN)

Model No.	HS12-230V
Swaging Capacity (mm)	6 – 12mm Wire Rope
Voltage (VAC)	230
Output Force (ton)	11
Weight (kg)	7.5
Dimensions (mm)	433 x 104 x 243
Swaging Speed (sec)	4
Accessories (Included in Kit)	Tool, Check Gauge, Shoulder Strap, RC-450 Cutter, Dies (OS-6D, OS-8D, OS-9D/10D & OS 12D) & Carry Case



HS12-MH230 / HS12-230V Suitable Sleeve & Dies



Suitable Dies	Oval Sleeve	Wire Rope Dia. (mm)
OS-6D	OS-6A	6
OS-8D	OS-8A	8
OS-9D&10D	OS-9A	9
OS-9D&10D	OS-10A	10
OS-12D	OS-12A	12



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& PLAY

REFER ELECTRICAL
CATALOGUE FOR
ARM SWAGING
SLEEVE AND
TOOL TECHNICAL
INFORMATION

MODEL No. IZ-325A (MADE IN JAPAN)



FEATURES

Cut up to 300mm² or 33mm outer diameter Cu Cable.

The IZ-325A features light weight, easy to use and clean cutting of the material. The cutter is equipped with the release mechanism so that the cutting can be backed out when necessary. This economical ratchet cutter is ideal for an electrician's wiring preparation tool. To release ratchet, push release lever downward. Blade moves freely.



DETAILS

Cutting capacity for Non-ferrous cables only.

Cutting Capacity		
Material	(mm ²)	mmOD
Polyethylene cable	600V-CV325	31
	600V-CV60 x 3 core	32
Multi-core vinyl insulation cable	VVR 60 x 3 core	33
	IV325	29

- Light weight
- Compact
- Clean square cutting
- Easy cutting operation

- Durable construction
- Forged blades
- Reverse operation

SPECIFICATIONS

Cuts (mm ²)	300 Cu cable
Size (mm)	260 (L)
Weight (g)	610

Maximum cutting diameter for Non-ferrous 33mm OD or 300mm² Cu Cable

MODEL No. 31291 & 12629 (MADE IN USA)



Model No. 31291

- Easily cuts heavier copper and aluminium cables up to 70 mm²
- Precision-ground, shear-action, curved cutting blades
- Heat-treated for long life
- Made of heavy-duty forged steel
- Rust-resistant black oxide finish on jaws



Model No. 12629



Model No.	31291	12629
Description	PVC-covered, high-leverage handles for easier cuts	Cushion grip, high-leverage handles for added comfort
Copper		
Max Use	70mm ²	70mm ²
Freq Use	35mm ²	35mm ²
Aluminium		
Max Use Capacity CU	70mm ²	70mm ²
Communications		
Max Use Capacity	100 Pair	100 Pair
Length (mm)	235	235
Weight (kg)	0.45	0.45

HAND CUTTERS (MADE IN USA)



MODEL NO. VARIOUS

Greenlee offer a full range of hand cutters for cable cutting, ACSR and steel. Some units are small, lightweight and compact whilst others have long handles to reduce operator effort. In the ACSR and steel range the cutters have a ratchet mechanism. All units feature rubber handle grips depending on the style.

							
10507	24564/05923/22291	30208	12847	02826	34081	34084	01274
Strong, Blade Adjustment Bolt, 24564/05923/22291 Replaceable Heat Treated blades		Economical, Replaceable Heat Treated Blades	Double Joint Reduces Effort by 25%, Steel Handles	2 Speed Mechanism, Blade Opens After Cut Completion	Thick Blades, Ratchet Action, Anti-Slip Mechanism, Heavy Duty		2 Cutting Modes, , Anti-Slip Mechanism

SPECIFICATIONS*

Model No.	Purpose	Feature	Handle (with Rubber Grip)	Jaw Opening Ø (mm)	Frequent Cu	Max Cu	Frequent Al	Max Al	Comms Cable	ACSR	Steel/Guy	EHS Guy	Length (mm)	Wt (kg)
10507	Cable	Lightweight	Fibreglass	25.00	15.75	15.75	-	-	25.00	-	-	-	444	1.3
24564	Cable	Lightweight	Fibreglass	32.00	15.75	15.75	20.25	20.25	32.00	-	-	-	533	1.4
05923	Cable	Lightweight	Fibreglass	44.00	20.25	20.25	28.80	28.80	44.00	-	-	-	648	2.5
22291	Cable	Lightweight	Fibreglass	38.00	25.65	25.65	28.80	28.80	38.00	-	-	-	800	2.8
30208	Cable	Lightweight	Steel	25.00	12.60	15.75	15.75	-	-	-	-	-	457	1.3
12847	Cable	Lightweight	Steel	32.00	15.03	17.96	17.96	17.96	-	-	-	-	457	1.5
02826	ACSR	Ratchet	Fibreglass	17.40	-	-	-	-	-	17.4	-	-	508	2.8
34081	Cable	Ratchet	Steel	50.00	28.80	37.00	28.80	37.00	-	-	-	-	698	5.2
34084	Guy Wire	Ratchet	Steel	30.00	-	-	-	-	-	12.7	12.7	-	743	5.5
01274	Guy Wire	Ratchet	Steel	12.70	-	-	-	-	-	12.7	12.7	12.7	704	4.8

* Cutting capacities in "mm OD" refer to conductor OD sizes.
For compact and compressed cables capacity may be less.



HAND HYDRAULIC CUTTERS (MADE IN JAPAN)



MODEL NO. S SERIES

Hand operated hydraulic cutters for cables, conductors and many capable of steel up to Rebar. These guillotine style cutting heads jam less than scissor shear type cutters and have spring return rams. The blades are easily replaceable and the head is a snap lock spring release on smaller models and lock pin type on larger capacity heads.



Cutters supplied with case

FEATURES

- Easy to replace blade
- Spring return ram
- Some models feature safety relief valve
- Some models feature two stage pumping
- Swivel head (excluding suffix CC/CC1)
- Models with suffix CC & CC1 have special anvil shape blades for solid material
- Rubber grip handles
- Quality ISO9001

SPECIFICATIONS

Model No.	Latch	Cuts Max	Pump Stages	Max Ø (mm)	Cu	Al	ACSR	Guy Wire*	Wire Rope	Soft Steel	Rebar (400 to 500 Mpa)	Rebar (650Mpa)	Chain (Gr80)	Comms	Weight (kg)
S-200	Snap	Rebar	1	20	20	20	20	16	16-20	16	13	10	-	20	3.0
S-240	Snap	Rebar	1	24	24	24	24	20	18-24	16	20	12.4	-	24	4.9
S-320	Snap	Rebar	2	32	32	32	32	32	32	25	25	15.5	-	32	10.8
S-400	Pin	Rebar	2	41	41	41	38	15-20	22-25	20	16	12.4	-	41	5.9
S-550	Pin	Rebar	2	54	54	54	54	15-20	25-30	22	20	13	-	54	9.3
850	Pin	Cu/Al	2	85	28	38	-	-	-	-	-	-	-	85	8.1
S-240CC	Snap	Chain	1	16	-	-	-	16	-	16	16	9	6	-	5.0
S-32CC1	Snap	Chain	1	25	-	-	-	20	-	19	25	15.5	12	-	10.2

* Contact us for more detailed information on Guy Wire capacities as stranding affects capacity where range is displayed



Snap Latch



Pin Latch



BATTERY HYDRAULIC CUTTERS (MADE IN JAPAN)



MODEL NO. VARIOUS

The REC & SLS series of battery operated hydraulic cutting tools were designed for power cables and conductors, with some models capable of cutting steel and rebar. Three main styles are available: "pistol" and "inline" versions are well balanced and preferred for Overhead and Switchboard applications where the basket style is favoured for Underground and repetitive tasks. The trigger switch and return button are easily activated with one hand so that other hand always free to align working material. The blue and black cases identify the new series 6 tools and some models feature new electronic circuit boards, improved motors, LED illumination and battery capacity indication.



REC-54ACM



REC-54M



REC-Y33M



REC-630Y



REC-105YC



SLS-20



REC-S624



REC-S640



REC-S3550

To order complete kits with tool, two batteries, AC/DC charger and case use below table Model No.

FEATURES

- AC/DC Charger Included
- Ergonomic design
- 14.4VDC Lithium-Ion Batteries
- Lithium-Ion Batteries with Charge Indicator
- Swivel Heads (excluding ratchet types & REC-Y33M)
- Quality ISO9001

SPECIFICATIONS

Model No.	Style	Cutting Material	Opening Ø (mm)	Cu	Al	Hard Cu	ACSR	Steel/Guy	Rebar (400 to 500Mpa)	Rebar (650Mpa)	Notes	Weight Including Battery (kg)
REC-54ACM(BB)	Ratchet	Al/Cu	54	50.0	50.0	21.0	-	-	-	-	-	2.75
REC-54M(BB)	Ratchet	ACSR	54	21.0	31.0	-	14.3*	-	-	-	*Max Cherry 7/1.60	3.10
REC-Y33M(BB)	Scissor	Al/Cu/ACSR	32	32.0	32.0	-	18.0	-	-	-	-	3.10
REC-630Y(BB)	Scissor	Al/Cu/ACSR	28	28.0	28.0	-	19.0*	-	-	-	*Single Steel Strand	5.00
REC-105YC(BB)	Scissor	Al/Cu	105	105.0	105.0	90.0	-	-	-	-	-	8.75
SLS-20(BB)	Guillotine	Al/Cu/ACSR/St	20	20.0	20.0	20.0	20.0	16.0	12.0	10	-	2.75
REC-S624(BB)	Guillotine	Al/Cu/ACSR/St	24	24.0	24.0	20.0	24.0	20.0	16.0	12	-	5.00
REC-S640(BB)	Guillotine	Al/Cu/ACSR/St	40	40.0	40.0	32.0	38.0	20.0	16.0	9.6	-	6.40
REC-S3550(BB)	Guillotine	Al/Cu/ACSR/St	54	54.0	54.0	40.0	54.0	22.0	16.0	13	-	10.00

Refer page 200 for battery and charger details

**MODEL No. 52136 CONTAINER SEAL/
CABLE TRAY/BOLT CUTTER**



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**CUTS
IN
4.5SEC**




GREENLEE.
A Teabron Company



WIEIGHT
2.0kg Including Battery

OVERALL LENGTH
365mm

CAPACITY

12.7mm	Common Bolt
12.7mm	Threaded Rod
9.52mm	Steel Rod
7.93mm	GuyStrand
5.19mm	One-Time disposable lock

SPECIFICATIONS

Overall Length	365mm
Battery	18V Lithium-Ion
Battery Charge Time	1 hour
Weight	2.0kg Including Battery

FEATURES

- Cuts in 4.5sec
- Battery Powered Bolt Cutter
- Designed to cut one-time disposable locks, shipping container seals and small diameter bolts
- Light weight in-line style tool is easy to manoeuvre.
- Cutter head rotates 350° for use in tight locations.
- Ram retracts automatically when a cut is complete.
- Ram can be retracted at any point in the cutting cycle.
- Included: tool, two batteries, charger and moulded carrying case.
- 12VDC/230VAC one hour battery charger.

ORDERING INFORMATION

Model No.	Description
52136	Battery Bolt Cutter and 2 Batteries with 220VAC Charger & Carry Case

CUTTING CAPACITY

Material	Diameter (mm)
Shipping Container Seals	12.7
Common Bolt	12.7
Grade 5 Bolt	11.11
Grade 8 Bolt	7.94
Threaded Rod	12.7
One-Time Disposable Lock	5.19 Alumoweld
Boa Lock	BL-9
Grade 40 Rebar	9.52
Steel Rod	9.52 (12.7 using 2 cycles)
Ground Rod	9.52 (12.7 using 2 cycles)
Cu/Al Cable	6.54
ACSR	12.75
Guy Strand	7.93 (9.52 using 2 cycles)
EHS Guy Strand	7.93
Aircraft cable	6.35

REPLACEMENT PARTS

Model No.	UPC No.	Description
25752		Carry Case
52177		18V Lithium-Ion Battery
56288		Cutter Blade Kit
52179		12V Charger
52180		230V Charger

REMOTE HYDRAULIC CUTTING HEADS (MADE IN JAPAN)



MODEL NO. SP & P SERIES

Remote heads are for fast cutting action and allow remote operation manoeuvrability into tight areas. These guillotine style cutting heads jam less than scissor shear type cutters and have spring return rams. The head can be operated by any hydraulic pump with rated oil pressure of 700 Bar. The blades are easily replaceable and the head is a snap lock spring release on smaller models and lock pin type on larger capacity heads.



*SP32CC1

SP-20A	SP-24	SP-32	SP-40A	SP-55A	P-60	P-85	P-132
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Remote heads supplied with soft case and screw type female coupling # 3050-3 standard

* Includes cable retaining plate (SP-32CC1)

FEATURES

- Easy to replace blade
- Spring return ram
- Quality ISO9001

SPECIFICATIONS

Model No.	Latch	Max Ø (mm)	Cu	Al	ACSR	Guy Wire*	Wire Rope	Soft Steel	Rebar (400 to 500Mpa)	Rebar (550Mpa)	Comms	Hyd Pressure (bar)	Weight (kg)
SP-20A	Snap	20	20	20	20	15-16	16-20	16	13	10	20	700	2.3
SP-24	Snap	24	24	24	24	20	18-24	20	16	12.4	24	700	3.10
SP-32	Snap	32	32	32	32	32	32	25	25	15.5	32	700	10.00
SP-32CC1	Snap	32	N/A	N/A	20	16	20	24	25	15.5	N/A	700	9.00
SP-40A	Pin	41	41	41	38	15-20	22-25	20	16	12.4	41	700	4.00
SP-55A	Pin	55	50	50	50	15-20	25-30	22	19	12.4	55	700	9.00
P-85	Pin	85	28**	38**	-	-	-	-	-	-	85	700	7.20
P-60	Pin	60	60	60	-	-	-	-	-	-	60	700	5.20
P-132	Pin	132	100	130	-	-	-	-	-	-	132	700	12.00

* Contact us for more detailed information on Guy Wire capacities as stranding affects capacity where range is displayed

** Will cut AL & CU strands up to 85mm OD depending on cable type. Please contact Specialised Force for more information.

Refer page 107–108 for hydraulic pumps details

CR SERIES HYDRAULIC CABLE CUTTERS



Model No. CR-75



Model No. CR-100



Model No. CR-150C



Model No. CR-75/100/150 size comparison

Model No.	Wire Strand (mm) OD	Cable (mm) OD		Output (Metric Tonnes)	Weight (Kgs)
	Bare Copper	Steel Wire Armoured (SWA)	Ug Cable		
CR-75	41.6		75.0	5.0	4.6
CR-100	41.6	100.0	100.0	11.0	13.0
CR-150C	✓	150.0	150.0	21.0	47.0

NOTE: CR-150C is also capable of cutting 130mm OD Poly Ship Anchor Rope (tested under tension)

- Refer page 100 for hydraulic coupling configurations and hoses, supplied standard with screw type female 3050-3 coupling
- Battery or Electric pumps, refer pages 107–108

INFRARED REMOTE CONTROLLED SAFETY CUTTING SYSTEM



ITEMS SOLD SEPERATELY, REFER TABLE BELOW

Model No.	Description
REC-P1/RCO/BB/CE	Remote Battery pump with 2 x BP-80LI batteries, 2 x CH-100 chargers and Cejn male coupler half. Tagged & filled with Plantoflux fire resistant hydraulic oil shown in picture above
CR-100CE	Remote hydraulic cable cutter with Cejn male coupler half. Cuts up to 100mm diameter steel wire armour cable shown in picture above
HP8-408-B38NM-BC	8m high pressure non-conductive hose assembly with Cejn female coupler half each end. Tagged & filled with Plantoflux fire resistant hydraulic oil shown in picture above
CR100EK	Earthing Kit shown below

SPECIFICATIONS

For cutting or cable spiking of cables up to 100mmOD.

FEATURES

This cable cutting and spiking system proves dead cables and cuts them in one controlled operation using full cordless infrared remote control ensuring optimum operator safety.

The battery powered pump provides total system portability. The pump unit can be utilised to operate compression heads and other single acting tools. This system is proven reliable and accepted by power authorities and contractors Australia wide, with product service and spares support available Australia wide.

ACCESSORIES

A range of battery cutter, and charger options available, contact Specialised Force for more information

CR100EK- Earthing Kit for **DAIA #CR100** Remote Hydraulic Cutting Head

Refer page 200 for battery & charger details



CR-100CE



CUTTING HEAD

FORCE

107kN

CAPACITY

100mm Blade Opening

PUMP

PRESSURE

700Bar @ 0.17L/min

RESERVOIR

1.2L

HOSE LENGTH

8m

POWER SOURCE

Battery 2 x BP-80Li 14.4VDC



Model No. CR-100EK



EARTHING KIT CONTENTS

- 4 each of 1.5 metre braided copper flat palm earthing straps
- 1 each of 3.0 metre 70mm² Cu cable with heat shrink each end
- 2 each of 1.2 metre 70mm² Cu cables with heat shrink each end
- 4 each of earth clamps
- 3 each of 900mm long earth rods
- 1 each of earth rod driving head
- 3 each of roll springs
- 1 each of nylon carry bag

BATTERY HYDRAULIC CRIMPERS (MADE IN JAPAN)



MODEL NO. REC SERIES

The REC Series battery operated 12 tonne compression tools accept 12 tonne standard dies. Used for applying lugs and compression fittings to copper cables, aluminium and ACSR conductors. The pistol versions are well balanced and preferred for Overhead and Switchboard applications whereas the basket style is preferred for Underground and repetitive tasks. The trigger switch and return button are activated by only one hand so that other hand always free to hold working material. New electronic circuit board with LED indicates compression status and battery capacity.



REC-6431



REC-6510



REC-3430



REC-3510A



REC-H6130

To order complete kits with tool, two batteries, AC/DC charger and case use below table Model No.

FEATURES

- AC/DC Charger Included
- 14.4VDC Lithium-Ion Batteries
- Ergonomic design
- Lithium-Ion Batteries with Charge Indicator
- Swivel Heads
- Quality ISO9001

SPECIFICATIONS

Model No.	Style	Force (Tonne)	Capacity (mm ²)		Approx Crimps per Charge	Wt Inc Battery (kg)
			Aluminium	Copper		
REC-6431(BB)	Pistol "C"	12	300	300	75	5.8
REC-6510(BB)	Pistol "C"	12	300	400	75	6.7
REC-3430(BB)	Basket	12	300	400	68	8.4
REC-3510A(BB)	Basket	12	300	300	68	9.3
REC-H6130(BB)	Pistol "U"	12	300	300	75	6.5

Refer page 200 for battery and charger details

Refer pages 204–205 for 12T dies

MODEL No. REC-6200MX

Fitted with 200AT-410 12 Tonne Crimp Head

HEAD RELEASE PIN

EASY PULL PIN TO
CHANGE HEADS**SPECIFICATIONS**

Motor	14.4 VDC
Reservoir Capacity	100 cc
Force at Die Face	127 kN
Head Rotation	180°
Size (mm)	356 x 326 x 70 (LxHxW)
Weight	5.8kg with BP-80LI Battery (without crimp head)

Crimp Head Attachment

- Accepts existing 12 ton U-type dies
- Maximum Capacity 300mm² Al/Cu

PLEASE NOTE: Add **(BB)** to the model number suffix for lithium-ion batteries e.g. **REC-6200MX (BB)**

Includes: Battery Tool, Shoulder strap, Carrying case, 2 Batteries **(BP-80LI)** and 12VDC-230VAC Charger **(CH-100)**



(*SIX TOOLS IN ONE - WITH ACCESSORY HEADS, INTERCHANGEABLE HEADS NOT INCLUDED)

Refer page 200 for Battery and Charger Details
Refer pages 204–205 for 12T Dies


**MODEL No. 200AT-410 12 Tonne
Crimp Head attachment to suit
REC-6200MX**

Opening Between Die Faces	17mm
Maximum Capacity	300mm ² Al/Cu
Weight	2.4kg

Accepts existing 12 ton U-type dies (Refer page 204–205)


**MODEL No. 200AT-50YC Cable Cutter
attachment to suit REC-6200MX**

Cutting Capacity	Up to 50mm OD Cable (Including Insulation) Cuts nonferrous cables only
Weight	1.0kg

Approximately 50 cuts BP-80LI

Continued Next Page



**MODEL No. 200AT-AP18 Angle Steel
Puncher attachment to suit
REC – 6200MX**

Punching Capacity	Supplied with 3 sets of Punch Dies 10.5, 13.5 & 17.5 mm Diameter for 6mm thick steel
Size	186 x 130 x 67 mm
Weight	3.8 kg
Throat Depth	47mm
To Centre of Punch	23.5mm

Approximately 100 holes punched per charge



**MODEL No. 200AT-S16 Re-bar and Guy
Strand Cutter attachment to suit
REC – 6200MX**

Cutting Capacity:	Number Of Cuts/ Charge (BP-70MH)
16mm rebar	80
16mm soft steel bar	120
13mm stainless steel bar	105
16mm Guy Strand	105



**MODEL No. 200AT-13WT Threaded rod
cutter attachment to suit
REC – 6200MX**

Cutting Capacity:	Number Of Cuts/ Charge (BP-70MH)
M10 or 3/8BSW Steel Threaded Rod	80
Stainless Steel	52
M12 or 1/2 BSW Steel Threaded Rod	82
Stainless	42

Includes a 13WT-07 M12 Blade Set
OPTIONAL BLADE SETS
13WT-06 M10, 13WT-02 3/8 BSW, 13WT-05 1/2 BSW



**FOR STAINLES STEEL, MILD
STEEL, BRASS, ALUMINIUM
ETC, TO 3.2MM THICK**

**MODEL No. 200AT-9PD Knock out
Puncher attachment to suit
REC-6200MX**

Punching Capacity	Up to 63.5mm Stainless Steel and (115.5mm) diameter hole on 3.2mm thickness Mild Steel.
-------------------	---

Approximately 42 Holes BP-80LI

DETAILS

- Punch & die, Draw Studs & Spacer Collars are the same as those used for SH-10. Refer page 271 for punch & dies
- 200AT-9PD comes with Draw Studs & Spacer Collars.

BATTERIES AND CHARGER



Battery Level LED Indicator



MODEL No. BP-80LI BATTERY

FEATURES

SUITS ALL IZUMI BATTERY TOOLS

- Battery status level LED indicator
- High Capacity 3.0Ah Battery Pack
- Lightweight
- Impact resistant Housing
- Minimally effected by high Temperatures
- Minimal Self Discharge
- Longer run times, compared to NiCad
- No memory effect

MODEL No. CH-100 CHARGER

FEATURES

CHARGES ALL IZUMI BATTERIES

- Includes AC/DC charging base with AC/DC leads
- Able to Charge all Izumi Batteries (Li-Ion, Ni-MH & Ni-CAD)
- Charger has conditioning feature to accommodate memory effect
- Top-off & Maintenance trickle charge for NiCad Batteries
- Monitors battery temperature & Battery Voltage for correct Charging and battery faults
- 80% charge in 50mins

New Li-Ion batteries fit straight into all Izumi tools! Buy the # BP-80LI UPGRADE PACK (below) and just dispose of your old charger as your old charger will not charge new batteries!

Model No.	Components	Voltage/Source	Wt
BP-80LI	1 x Battery Only	14.4VDC	600g
CH-100	1 x Charging Base, 1 x DC Charge Lead 12/24VDC 1 x AC Charge Lead 230VAC	230VAC/12/24VDC	975g
BP-80LI UPGRADE PACK	1 x Charge Base 1 x Charge Lead DC 1 x Charge Lead AC 2 x BP-80LI Li-Ion Batteries (14.4VDC)	230VAC/12/24VDC	2115g

IMPROVING BATTERY LIFE

(For Older Style BP-70MH + BP-70E)
Izumi batteries should regularly be cycle refreshed. This is certainly required if your battery is not quite performing as well as it used to.

You can use the refresh/condition button on most Izumi chargers with your Izumi batteries. This process takes approximately 8 hours to complete and will improve the longevity of batteries, if the battery has not already started degrading.


MODEL NO. 79300060
230VAC ADAPTOR

MODEL NO. PG-610B FORCE TEST GAUGE (12-15T)



Model No.
PG-610B
Specifications
Dial face up to 176 kN
Size (mm)
250 (L) x 105 (W) x 25 (D)
Wt (kg)
1.5
Included in Kit
Steel carrying case Test dies (Blank dies for EP-410)



PG-610B shown with REC-3610

DETAILS

Used to calibrate output force of 12 and 15 ton tools, designed to fit in all brand 12 ton tools and supplied with U type test dies. The PG-610B force test gauge can measure output force up to 15 ton.

When testing the 15 tonne tool (EP- 610HS2) the U die adapter is necessary.

The **PG-610B** comes complete with U type test dies and steel carrying case.

Applicable to check output force of most 12 and 15 tonne hydraulic; hand, battery and remote head tools that use standard 12 tonne dies.

IMPORTANT NOTE

Output force adjustment of tools requires a calibrated force test gauge and appropriate tools to adjust the relief valve. Improper adjustment may result in too high or too low of inner pressure. Higher pressure may cause damage to the tool or seals. Lower pressure results in insufficient tool output causing improper connection of compressed connectors.

MANUAL CRIMPER 12 TONNE



EP-431



FORCE
12 Tonne Type

JAW OPENING
31mm C-HEAD

CAPACITY
300mm² Al/Cu

Standard 12 tonne Dies
Nest/Indent & "C" connector Dies



MAX
300mm²

MODEL No. EP-431

INCLUDED ITEMS

12T Hand Crimper & Double moulded carrying case.

SPECIFICATION

Ram Stroke	31mm (Jaw opening)
Reservoir capacity	145 cc
Force at die face	106kN
Size	610 (l) x 150 (w) mm
Weight	6.3kg

FEATURES

The EP-431 has a standard jaw opening of 31mm and features a two stage rapid advance pumping system.

This tool was designed for the general electrical contractor and electric utility linesman who is confronted with larger cable diameter and larger connectors.

Most of the internal hydraulic components are the same as the EP-510C.





EP-510C

FITTED WITH A RUBBER BOOT FOR ADDED ELECTRICAL PROTECTION



FORCE
12 Tonne Type

JAW OPENING
42mm C-HEAD

CAPACITY
300mm² AL & 400mm² CU

Standard 12 tonne Dies
Nest/Indent & "C" connector Dies



MAX
400mm²

MODEL No. EP-510C

INCLUDED ITEMS

12T Hand Crimper & Double moulded carrying case.

SPECIFICATION

Ram Stroke	42mm (Jaw opening)
Reservoir capacity	200 cc
Force at die face	118 kN
Size	644 (l) x 150 (w) mm
Weight	8.0 kg

FEATURES

The EP-510C, hand operated compression tool features a large jaw opening and a two stage rapid advance pumping system

The jaw opening of 42mm can accept larger, Mid-span sleeve connection can be installed on larger cables and the cable can then be removed through the jaw opening.

DETAILS (APPLIES TO BOTH MODELS)

- Dies are sold separately
Refer pages 204–205 for 12T Dies
- Specify the manufacturer's die and connector numbers
- Two stage pumping action for rapid ram advance to the connector hold position with minimum pumping action
- Replaceable Dropout bypass valve cartridge for easy repair
- Fibreglass handles
- 180° swivel head
- Twist handle pressure release

REMOTE HYDRAULIC CRIMPER HEADS 12-15T (MADE IN JAPAN)



MODEL NO. EP SERIES

Remote heads allow fast crimping action and allow remote operation manoeuvrability into tight areas such as switch board or panel where a hand crimper or even battery tool may not be able to reach. These remote heads require an external hydraulic pump for operation. These tools were designed for applying compression fitting to copper, aluminium, and ACSR cables or conductor.



EP-431H	EP-510HC	EP-H130H	EP-610HS2
12 Tonne "C" Head Standard Jaw	12 Tonne "C" Head Large Jaw	12 Tonne "H" Style	15 Tonne Accepts 12T Dies with Adaptor

FEATURES

- Hard case included with die tray
- Spring return ram
- Quality ISO9001
- 700 bar hydraulic pump required to operate
- EP-610HS2 15T dies/adaptors bottom of page
- All units accept standard 12 tonne dies (EP-610HS2 requires additional 12T adaptor as standard uses 15T dies)
- Screw type female coupling # 3050-3 supplied as standard

SPECIFICATIONS

Model No.	Capacity (Tonne)	Style	Jaw Opening Ram Stroke (mm)	Maximum Crimp Capacity (mm ²)		Hydraulic Pressure (bar)	Length (mm)	Wt (kg)
				Cu	Al			
EP-431H	12	"C" Standard	31	300	300	700	340	4.7
EP-510HC	12	"C" Large	42	400	300	700	420	5.7
EP-H130H	12	"H" Standard	28	300	300	700	317	4.1
EP-610HS2	15	"C"	50	630 400*	500 300*	700	375	7.0

* Using 12T Die Adaptor (#15T-PU-ADAPTOR)

Refer page pages 204–205 for 12T crimp die details / Refer page 107–108 for hydraulic pumps details

15 TONNE CRIMP DIES

MODEL NO. 15T SERIES

15 tonne dies are manufactured in Australia from high tensile steel billets and heat treated to maximise strength and durability. These dies suit the Izumi 15T tools.



15 Tonne Hex Die-Set Suits Rec-3610				
Model No.	mm ²	A/F	Material	Crimp Width
15T-26.0AFCU	300	26.0	CU	10.5mm
15T-28.1AFCU	400	28.1	CU	8.5mm
15T-31.0AFCU	500	31.0	CU	7.2mm
15T-37.0AFCU	630	37.0	CU	6.2mm
15T-39.0AFAL	400/500	39.0	AL	16.5mm
Model No.	Description			
15T-PU-ADAPTOR	PICK UP ADAPTOR TO SUIT STANDARD 12TONNE DIES			

DIES ALUMINIUM 12-13 TONNE

Suitable for ALL brands of 12/13T Battery, Manual & Remote Head Hydraulic Compression Tools

Model No.	Hex A/F	Length Of Crimp Face	Conductor Details
Aluminium			
12T-9.0AFAL	9.0 mm	22.0 mm	6-35 mm ²
12T-13.2AFAL	13.2 mm	22.0 mm	50-70 mm ²
12T-17.3AFAL	17.3 mm	22.0 mm	95-120 mm ²
12T-21.0AFAL	21.0 mm	18.0 mm	150-185 mm ² UTILUX
12T-22.0AFAL	22.0 mm	18.0 mm	150-185 mm ² CABAC
12T-28.4AFAL	28.4 mm	18.0 mm	240-300 mm ²
Overhead			
12T-14.0AFAL	14.0 mm	22.0 mm	7/2.25 UTILUX
12T-14.5AFAL	14.5 mm	22.0 mm	7/2.50
12T-18.0AFAL	18.0 mm	22.0 mm	7/3.00 & 7/3.75 CABAC
12T-18.3AFAL	18.3 mm	22.0 mm	
12T-19.0AFAL	19.0 mm	22.0 mm	7/4.50 CABAC
12T-22.0AFAL	22.0 mm	18.0 mm	19/3.25 CABAC
12T-26.2AFAL	26.2 mm	18.0 mm	19/3.75 CABAC
12T-30.3AFAL	30.3 mm	18.0 mm	19/4.75
ABC			
12T-14.0AFALABC	14.0 mm	9.0 mm	25 mm ² ABC
12T-17.3AFALABC	17.3 mm	9.0 mm	35 – 70 mm ² ABC
12T-21.5AFALABC	21.5 mm	9.0 mm	95 – 150 mm ² ABC
12T-25.0AFALABC	25.0 mm	8.0 mm	ABC
Specials			
12T-7.7AFAL	7.7 mm	25.0 mm	
12T-16.5AFAL	16.5 mm	22.0 mm	
12T-21.5AFAL	21.5 mm	18.0 mm	
12T-24.9AFAL	24.9 mm	18.0 mm	
12T-30.0AFAL	30.0 mm	18.0 mm	
Steel			
12T-7.5AFST	7.5 mm	10 mm	INNER STEEL (ACSR)
12T-9.5AFST	9.5 mm	10 mm	INNER STEEL (ACSR)

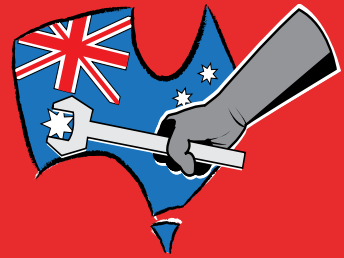


Nest & Indent Sizes For "UG" Aluminium Sector Cable				
Conductor Size	3 Core		4 Core	
	Nest	Indent	Nest	Indent
70mm ²	12T-12NEST	12T-INDENT14	12T-14NEST	12T-INDENT14
95mm ²	12T-12NEST	12T-INDENT15	12T-14NEST	12T-INDENT15
120mm ²	12T-12NEST	12T-INDENT16	12T-14NEST	12T-INDENT16
150mm ²	12T-12NEST	12T-INDENT17	12T-15NEST	12T-INDENT17
185mm ²	12T-12NEST	12T-INDENT18	12T-15NEST	12T-INDENT18
240mm ²	12T-12NEST	12T-INDENT19	12T-15NEST	12T-INDENT19
300mm ²	12T-12NEST	12T-INDENT20	12T-15NEST	12T-INDENT20

CUTTING DIE	Description
12T-CUTTINGDIE	Guy Wire/Guy Strand/ EHS Guy Wire, ACSR/AL/CU Ground Rod & Soft Steel Bolts (Refer page A19 for details)
	16mm (5/8") 17.5mm 16mm (5/8")

PLEASE NOTE: THIS CHART IS A GUIDE ONLY, PLEASE CHECK WITH YOUR LUG/LINK MANUFACTURER FOR AF SIZES

"AUSTRALIAN MADE"



MANUFACTURED IN AUSTRALIA FROM HIGH TENSILE STEEL BILLETS & HEAT TREATED TO MAXIMISE STRENGTH & DURABILITY



STEEL STORAGE BOX WITH FOAM INSERT

(15 DIE CAPACITY)
MODEL No. 12T-METAL-BOX



PLASTIC STORAGE BOX ALSO AVAILABLE

(18 DIE CAPACITY)
MODEL No. 12T-BOX



DIES COPPER 12-13 TONNE

Suitable for ALL brands of 12/13T Battery, Manual & Remote Head Hydraulic Compression Tools

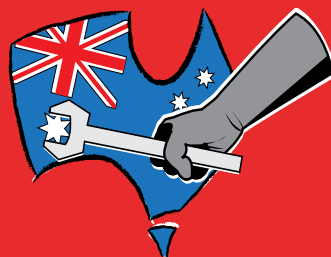
Model No.	Hex A/F	Length Of Crimp Face	Conductor Details
Copper			
12T-4.4AFCU	4.4 mm	6.35 mm	6 mm ²
12T-5.7AFCU	5.7 mm	6.35 mm	10 mm ²
12T-6.3AFCU	6.3 mm	17.5 mm	16 mm ² **
12T-7.7AFCU	7.7 mm	17.5 mm	25 mm ² **
12T-9.2AFCU	9.2 mm	17.5 mm	35 mm ² **
12T-10.4AFCU	10.4 mm	17.5 mm	50 mm ² **
12T-11.5AFCU	11.5 mm	17.5 mm	70 mm ² **
12T-14.2AFCU	14.2 mm	17.5 mm	95 mm ² **
12T-16.5AFCU	16.5 mm	14.0 mm	120 mm ² **
12T-18.3AFCU	18.3 mm	14.0 mm	150 mm ² **
12T-20.0AFCU	20.0 mm	14.0 mm	185 mm ² **
12T-23.1AFCU	23.1 mm	10.0 mm	240 mm ² **
12T-26.0AFCU	26.0 mm	10.0 mm	300 mm ² **
12T-28.1AFCU	28.1 mm	8.0 mm	400 mm ²
Die Sets ** Indicates Dies Included In the Sets Below			
12T-CUSET-MB	16mm ² to 300mm ² (11 Dies)		Metal Case
12T-CUSET	16mm ² to 300mm ² (11 Dies)		Plastic Case
12T-CUSET-MB400	16mm ² to 400mm ²		Metal Case
12T-CUSET400	16mm ² to 400mm ²		Plastic Case
Overhead			
12T-8.3AFCU	8.3 mm	9.0 mm	7/1.63 & 7/1.70
12T-9.6AFCU	9.6 mm	9.0 mm	7/2.00 & 7/2.03
12T-11.5AFCU	11.5 mm	9.0 mm	7/2.62
12T-13.0AFCU	13.0 mm	17.5 mm	37/.064 19/2.11
12T-14.8AFCU	14.8 mm	9.0 mm	19/2.0 & 19/2.11
12T-19.3AFCU	19.3 mm	14.0 mm	19/2.57
Copper Screen			
12T-12.7AFCU	12.7 mm	14.0 mm	185mm ² TRIPLEX
12T-7.5AFCU	7.5 mm	16.0 mm	35mm ² TRIPLEX
Specials			
12T-8.7AFCU	8.7 mm	17.5 mm	SPECIAL



CUTTING DIE	Description
12T-CUTTINGDIE	Guy Wire/Guy Strand/ EHS Guy Wire ACSR/AL/CU Ground Rod & Soft Steel Bolts next line; (Refer page A19 for details)
	16mm (5/8") 17.5mm 16mm (5/8")

• Refer to SF Electrical Catalogue for Copper "C" Connector Dies

"AUSTRALIAN MADE"



MANUFACTURED IN
AUSTRALIA FROM
HIGH TENSILE
STEEL BILLETS &
HEAT TREATED TO
MAXIMISE STRENGTH
& DURABILITY



**STEEL STORAGE BOX
WITH FOAM INSERT**

(15 DIE CAPACITY)
MODEL No. 12T-METAL-BOX



**PLASTIC STORAGE BOX
ALSO AVAILABLE**

(18 DIE CAPACITY)
MODEL No. 12T-BOX



ELECTRICAL, WINCHES, STRINGING & CABLE LAYING

www.specialisedforce.com.au



KK SERIES HEXAGONAL ROTATABLE DIE
LUG HAND CRIMPER

Dies are self contained and rotate within the Tool Head, ensuring dies can not be misplaced.



Model No.	KK05AU	Model No.	KK06AU
Crimp Range	6, 10, 16, 25, 35 & 50mm ²	Crimp Range	6, 10, 16, 25, 35, 50, 70, 95 & 120mm ²
Weight	1.35kg	Weight	3.75kg
Total Length	400mm	Total Length	665mm



MODEL NO. EP-250H

SPECIFICATIONS

Capacity	25 tonne compression head will crimp cable lugs to 630mm ² Copper and 500mm ² Aluminium.
Weight	6.8kg
Working pressure	700 Bar. 10,000 PSI

FEATURES

Unique twist-lock die retaining pin holds top die in place and cannot be misplaced or incorrectly fitted.

DETAILS

- See below for available Dies, Special Die Sizes available upon request
- Adaptor die to accept standard 12 tonne shell-type dies available (Model No. 25T-12T)
- Full range of hand, foot, air /hydraulic electric & battery pumps are available
- Alternative hydraulic coupling types available upon request
- Now with spring loaded die lock pin to eliminate misalignment of dies, due to pin not engaging properly

**MODEL No: EP-250H
ITEMS INCLUDED**

25 Tonne Head, heavy-duty metal carry-case, with die tray



ALUMINUM DIES

Model No.	Hex A/F (mm)	Width Of Crimp Face (mm)	Conductor Details
25T-30.0AFAL	30.0	25.0	19/3.75 PEARL-NEON AAAC
25T-39.0AFAL	39.0	25.0	400/500mm ²

COPPER DIES

Model No.	Hex A/F (mm)	Width Of Crimp Face (mm)	Conductor Details
25T-18.3AFCU	18.3	16.0	150mm ²
25T-20.0AFCU	20.0	16.0	185mm ²
25T-23.1AFCU	23.1	16.0	240mm ²
25T-26.0AFCU	26.0	16.0	300mm ²
25T-28.1AFCU	28.1	16.0	400mm ²
25T-31.0AFCU	31.0	16.0	500mm ²
25T-37.0AFCU	37.0	12.2	630mm ²

ACSR DIES

Model No.	Hex A/F (mm)	Width Of Crimp Face (mm)	Conductor Details
25T-28.5AFAL	28.5	27.0	30/7/2.50 GRAPE

STEEL INNER DIES

Model No.	Hex A/F	Width Of Crimp Face	Conductor Details
25T-16.0AFST	16.0	17.0	AS USED ON GRAPE

25T TO 12T DIE ADAPTOR ALSO AVAILABLE (Model No. 25T-12T)
SPECIAL DIES CAN BE MANUFACTURED TO YOUR SPECIFICATIONS

- Refer page 100 for hydraulic coupling configurations and hoses, supplied standard with screw type female 3050-3 coupling
- Battery or Electric pumps, refer page 107–108

MODEL No. H450 (MADE IN GERMANY)

REMA

DETAILS

This lightweight head is for for crimping larger overhead joints, terminations and underground lugs or connectors. Made in Germany, includes Cejn 115 Series quick disconnect male coupler and 10-115-4101 metal dust cap. Supplied without carry case and leather die locating pin strap (not a carry handle).

SPECIFICATIONS

MODEL No.	H450
Force at die face	45 Tonne (450kN)
Dimensions (mm)	285 L x 115 Ø
Capacity (mm ²)	800mm ² Cu / 630mm ² Al
Working Pressure (Bar)	700 (10,000 PSI)
Weight (kg)	11.4 (without dies)



45/55 TONNE DIES (SUITS REMA 45T REMOTE HEAD)

ALUMINIUM DIES

Model No.	Hex A/F (mm)	Conductor Details (mm ²)	Crimp Length (mm)	Die Length (mm)
55T-28.3AFAL	28.3	240/300	50	50
55T-39.0AFAL	39.0	400/500	50	50
55T-43.2AFAL	43.2	630	50	50

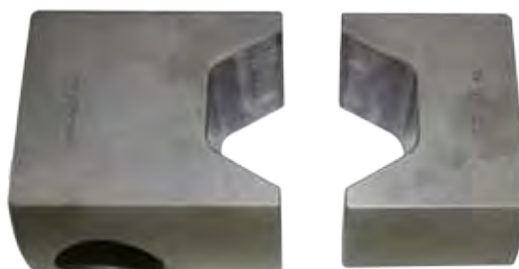
COPPER DIES

Model No.	HEX A/F (mm)	Conductor Details (mm)	Crimp Length (mm)	Die Length (mm)
55T-23.1AFCU	23.1	240	24	50
55T-26.0AFCU	26.0	300	25	50
55T-28.1AFCU	28.1	400	25	50
55T-31.0AFCU	31.0	500	25	50
55T-37.0AFCU	37.0	630	25	50
55T-43.2AFCU	43.2	800	25	50
55T-48.0AFCU	48.0	1000	25	50



Different manufacturers of crimps lugs have designed their lugs to be crimped with different A/F (Across Flats) dimension


Please check with your lug manufacturer before selecting ACSR / AAC / AAAC die sets.

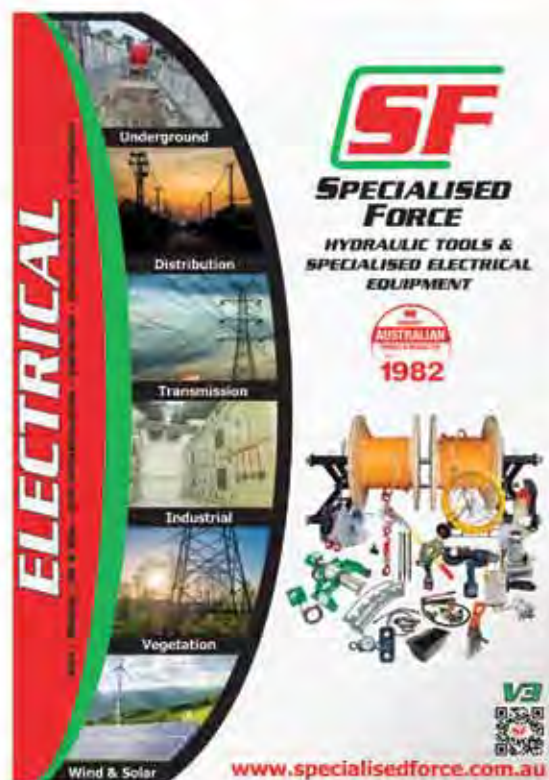


- Refer page 100 for hydraulic coupling configurations and hoses
- Battery or Electric pumps, refer page 107–108

ELECTRICAL

CATALOGUE

- Cable Crimping
 - Cable Cutting
 - Hydraulic Tools & Accessories
 - Winches
 - Underground Cable Pulling
 - Overhead Construction & Stringing Equipment
 - Dynamometers & Load Cells
 - Linesman Tooling & Assorted Equipment
 - Cable Preparation
 - Hole Making & Bending
 - Safety & Lighting
- 



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PORTABLE CAPSTAN WINCHES

Portable Winch Co. offers portable tools for lifting and pulling loads. All of their products are designed to perform complex or strenuous tasks in a simple manner. Their wide product range is used around the world in diverse applications such as farming, forestry, hunting, construction, telecommunication and infrastructure. Portable Winch design winches incorporating exclusive features and technology enabling great autonomy while being inherently safe to use. Therefore they are portable, compact, simple and easy to use.



SECTORS AND APPLICATIONS

- Telecommunication infrastructures, towers and antennae
- Power utility infrastructures, pylons, poles and transmission lines
- Lifting transformers and isolators
- Fibre optic installation and cable pulling
- Search and rescue operations
- Agriculture and forestry
- Construction
- Mining, oil & gas
- Railway cable pulling
- Marine applications, such as pulling nets, boats or docks
- Scientific research
- Adventure and exploration

ADVANTAGES

- Light
- Powerful
- Portable
- Reliable
- Durable
- Rugged
- Tireless
- Simple
- Safe
- Compact
- Constant
- Quickly Attach
- Unlimited Length of Rope
- Smart



PORTABLE WINCH UNIQUE FEATURES

LIGHT AND PORTABLE	One can carry it where it is needed
HIGH-PERFORMANCE	Constant pulling power and many variants of power and speeds depending on the engine and drum selected.
AUTONOMOUS	Since the winch is equipped with a petrol-powered engine, no external energy source is required.
RELIABLE	A Honda engine will start, no matter what.
ENDURING	Highest quality components ensure continuous use and long life.
SIMPLE	Once the winch is anchored, you need only to wrap the rope around the drum and pull.
SAFE	The operator is never standing in the pulling axis.
UNLIMITED ROPE LENGTH	Thanks to the capstan principle, the rope does not accumulate on the drum but merely goes through.
SYNTHETIC ROPE	No more wire rope! Polyester ropes have low stretch properties and are very comfortable to work with.
QUICK ANCHORING	Anchor your winch to anything in a few seconds.



PORTABLE WINCH PRODUCT STANDARDS – DECLARATION OF CONFORMITY

WINCHES PCW5000, PCW3000, PCT1800, PCH1000, PCH2000

All winches are designed, manufactured and tested according to **European Standard EN 14492-1:2006 Power Driven Winches**. They also comply with **Machinery Directive 2006/42/CE** and associated standards and regulations. They also comply with **Australian Standard AS1418.2-1997: Serial hoists and winches** and **ISO standard 19472:2006 Forestry Winches**. All winches are designed under the guidelines of **ISO standard 12100:2010 Safety of machinery- General principles for design- Risk assessment and risk reduction**.

All electrical components are **CSA approved**.

Lifting winches **PCH1000** and **PCH2000** are designed, manufactured and tested according to **ASME Standard B30.7-2011 Winches (formerly titled Base-mounted drum hoists)**. Each winch is tested at the factory before shipping and test results are available upon request.

Lifting winches are classified as M3 according to **ISO Standard 4301-1:2016 Crane and lifting appliance classification**.

ROPES

All ropes are manufactured according to **EN ISO 10547:2009 Polyester Fibre Ropes- Double Braid Construction**. Ropes are marked according to **EN ISO 9554:2005 Fibre Ropes- General Specifications** with a printed tape between the core and cover indicating the appropriate ISO standard, material, quality and origin. They are also labeled according to ISO 9554 and include instructions for the proper use and inspection. Additional information, including test certificates from the manufacturer and detailed inspection criteria are available upon request.

PULLEYS

Pulleys **PCA-1271, PCA-1272, PCA-1292** are designed, manufactured and tested according to **EN 12278:2007 Mountaineering Equipment- Pulleys- Safety Requirements and Test Methods**. They meet the requirements of **Personal Protective Equipment Directive 89/686/CE** and are certified by an independent body.



PORTABLE CAPSTAN WINCH - OVERVIEW



PCW3000



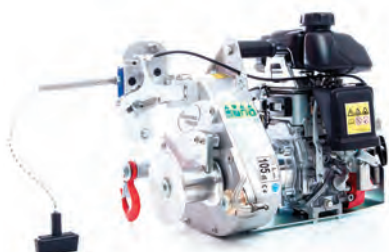
PCW5000



PCW5000-HS



PCW-3000-Li-AIK



PCH1000



PCH2000



PCT1800-50HZ-P-230V

Watch the Portable Winches in Action on our YouTube Channel



PORTABLE CAPSTAN WINCH - OVERVIEW



Model No.	Max. Pull* (kg)	Rated Lift Capacity* (kg)	Max. Pulling Speed* (m/min)	Voltage	Weight (kg)
 PCW3000	700	-	10	-	9.5
 PCW-3000-Li-AIK**	700	-	SPEED 1: 8.1 SPEED 2: 10 SPEED 3: 11.6	BATTERY: 82V 4AH	9.5
 PCW5000	1000	-	12	-	16
 PCW5000-HS	500	-	24	-	16
 PCH1000	775	250	12	-	19
 PCH2000	1000	450	22	-	34.5
 PCT1800-50HZ-P-230V	1000	250	4.8	230/50 VAC/Hz	27

*Ratings based on use with standard size drum.

**See page 133 for full kit option - PCW-3000-Li-AIK(B)

PORTABLE CAPSTAN WINCH – SPECIFICATIONS



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PORTABLE CAPSTAN WINCH – SPECIFICATIONS






Model No.	PCW3000	PCW-3000-Li-AIK	PCW5000	PCW5000-HS
Designed for Pulling	Yes			
Designed for Lifting	No			
Engine/Motor & Gear Box				
Engine/Motor	Honda 4-stroke GX-35 cc (All Positions)	1.0kW Electric Engine*	Honda 4-stroke GXH-50 cc	
Gear Box and Gears	Aluminium alloy gear box. Heat treated 3 stag spur gears. Shafts mounted on ball bearings. Oil bath lubrication.			
Gear Ratio	200:1		110:1	53:1
Brake	Anti-reversing needle bearing			
Clutch	No clutch – Direct Drive			
Drum turns with Engine Idling	Yes			
Work Cycle	Continuous	Battery Life: 70 min Approx.	Continuous	
Capstan Drums				
Installed	76mm		57mm	85mm
Optional	–		85mm	57mm
Performance				
Max. Pulling Force				
57mm Drum	–	–	1000 kg	500 kg
85mm Drum	–	–	700 kg	350 kg
76mm Drum	700 kg	700 kg (Peak 1000 kg)	–	–
Rated Lifting capacity				
57mm Drum	Not designed for lifting			
85mm Drum				
Max. Pulling Speed				
57mm Drum	–	–	12m/min	24m/min
85mm Drum	–	–	18m/min	36m/min
76mm Drum	10m/min	11.6m/min	–	–
Rope				
Rope Grabbing System	No			
Type	Low stretch double braided polyester – unlimited length – Eye splice and thimble mandatory for lifting applications			
Recommended Diameter	10mm		12mm	
Minimum Diameter	10mm			
Maximum Diameter	16mm			
Weight & Dimensions				
Weight (Dry)	9.5 kg		16 kg	
Length	28.9cm	31.8cm	36.2cm	
Width	35cm	30.2cm	37.1cm	
Height	26.1cm	31cm	36.1cm	
Other				
Certification	CE	CE & IPX6	CE	
Classification (ISO) Lifting	–			
Anchor				
Included	Polyester sling 60mm x 2m (PCA-1260)			
Optional	Full line of accessories			
Warranty				
Private Use	2 years		5 years	
Commercial Use	1 year	3 months	1 year	
Bonus Warranty	Register your winch at www.portablewinch.com and get 1 EXTRA YEAR of warranty for FREE			

* Battery: Briggs & Stratton 82V 4AH (See Page 132 for Battery & Charger)



PORTABLE CAPSTAN WINCH – SPECIFICATIONS

			
Model No.	PCH1000	PCH2000	PCT1800-50HZ-P-230V
Designed for Pulling	Yes		
Designed for Lifting	Yes		
Engine/Motor & Gear Box			
Engine/Motor	Honda 4-stroke GXH-50 cc	Honda GX-160 cc	AC Electric Baldor TEFC 230 VAC – 1ph – 3/4HP – 50HZ
Gear Box and Gears	Aluminium alloy gear box. Heat treated 3 stag spur gears. Shafts mounted on ball bearings. Oil bath lubrication.		
Gear Ratio	110:1	53:1	110:1
Brake	Anti-reversing needle bearing	Double one way bearing	Anti-reversing needle bearing
Clutch	Centrifugal		No clutch – Direct Drive
Drum turns with Engine Idling	No		No idle on electric motors
Work Cycle	Continuous		25% (15 min/hour to prevent motor overheating)
Capstan Drums			
Installed	57mm	108mm	85mm
Optional	85mm	–	57mm
Performance			
Max. Pulling Force			
57mm Drum	775 kg	Not available – use only with 108mm drum	1000 kg
85mm Drum	540 kg		820 kg
108mm Drum	–	1150kg	–
Rated Lifting Capacity			
57mm Drum	250 kg	Not available – use only with 108mm drum	250 kg
85mm Drum	175 kg		250 kg
108mm Drum	–	450kg	–
Max. Pulling Speed			
57mm Drum	12m/min	Not available – use only with 108mm drum	4.8m/min
85mm Drum	18m/min		7.2m/min
108mm Drum	–	22m/min	
Rope			
Rope Grabbing System	Yes – can be disabled		
Type	Low stretch double braided polyester – unlimited length – Eye splice and thimble mandatory for lifting applications		
Recommended diameter	12mm		
Minimum diameter	12mm		
Maximum diameter	13mm		
Weight & Dimensions			
Weight (dry)	19 kg	34.5 kg	27 kg
Length	50.5cm	45.8cm	55.6cm
Width	37.1cm	56cm	36.6cm
Height	36.1cm	35.6cm	36.6cm
Other			
Certification	CE		
Classification (ISO) Lifting	M3		
Anchor			
Included	Polyester sling 60mm x 2m (PCA-1260)		
Optional	Full line of accessories		
Warranty			
Private use	2 years		
Commercial use	1 year		
Bonus warranty	Register your winch at www.portablewinch.com and get 1 EXTRA YEAR of warranty for FREE		

PORTABLE CAPSTAN WINCH – ACCESSORIES REFERENCE CHART



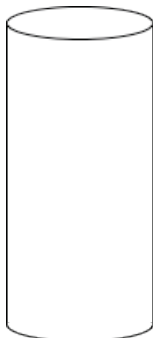


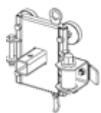
















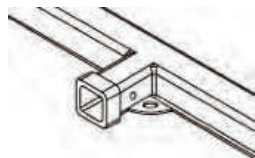







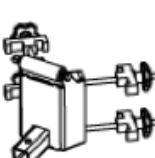







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PORTABLE CAPSTAN WINCH – ACCESSORIES

ELECTRICAL, WINCHES, STRINGING & CABLE LAYING

www.specialisedforce.com.au

ANCHORING ACCESSORIES REFERENCE CHART				USE		WINCH MODELS								
ANCHOR POINTS		ANCHOR ACCESSORIES			PULLING	LIFTING	PCW3000 PCW-3000-Li-AIK	PCW5000	PCW5000-HS	PCH1000	PCH2000	PCT1800		
	PCA-1258, PCA-1259 or PCA-1260				●		●	●	●	●	●	●		
	PCA-1269				●		●	●	●					
		+ PCA-1268			●		●	●	●					
		+ PCA-2264				●						●		
		+ PCA-1264				●							●	
+ PCA-1332 + PCA-2264											●			
	PCA-1263	+ PCA-1332 + PCA-1264			●		●	●	●	●		●		
 Vehicle	48mm to 59mm diameter 	PCA-1261				●		●	●					
		PCA-1261				●		●	●					
				+ PCA-1268			●		●	●				
				+ PCA-2264				●					●	
				+ PCA-1264				●				●		●
		50mm diameter	PCA-1266 + PCA-1265	+ PCA-1332 + PCA-2264							●			
	+ PCA-1332 + PCA-1264					●		●	●	●		●		
					●		●	●	●		●			
		PCA-1267 or PCA-1501				●		●	●	●	●		●	
			+ PCA-1268			●		●	●	●				
+ PCA-2264						●					●			
+ PCA-1264						●						●		
+ PCA-1332 + PCA-2264											●			
		+ PCA-1332 + PCA-1264			●		●	●	●	●		●		
 Pylon (with 90° "V" shaped legs)		+ PCA-1268			●		●	●	●					
		+ PCA-2264				●					●			
		+ PCA-1264				●						●		
		+ PCA-1332 + PCA-2264										●		
		+ PCA-1332 + PCA-1264			●		●	●	●	●			●	
 Floor	PCA-1805				●		●	●	●	●		●		



DOUBLE BRAIDED POLYESTER ROPES

				
PCA-1203M2ESC	PCA-1213M2ESC	PCA-1214M2ESC	PCA-1216M2ESC	PCA-1218M2ESC

Model No.	Rope OD (mm)	Length (m)	Minimum Breaking Strength (UTS) (kg)	Roll Dimensions (L x W x H) (cm)	Weight (kg)
PCA-1203M2ESC	10	100	2200	20 x 20 x 28.5	8.3
PCA-1213M2ESC	12	100	3300	50 x 50 x 20	14
PCA-1214M2ESC	12	150	3300	50 x 50 x 30	20.4
PCA-1216M2ESC	12	200	3300	50 x 50 x 35	25.5
PCA-1218M2ESC	12	300	3300	50 x 50 x 50	36.6

NOTE: All ropes include soft eye splices on each end. UTS = Ultimate Tensile Strength. Suggested safety factors (check local standards or guidelines): Pulling 3:1 / Lifting 5:1.

CASES AND ROPE BAGS

						
PCA-0100	PCA-0102	PCA-0104	PCA-0105	PCA-1630	PCA-0340	PCA-0350

Model No.	Description	Material	Length (cm)	Width (cm)	Height (cm)	Weight (kg)
PCA-0100	Purpose built transport case with moulded locations for models PCW5000 or PCW5000-HS and many accessories.	High-Impact Plastic	66	58	41	8
PCA-0102	Purpose built transport case with moulded locations for the PCW3000. Fits moulded Backpack PCA-0104.	High-Impact Plastic	47	44	33	4.8
PCA-0104	Moulded Backpack for Transport Case PCA-0102 and Rope Bag PCA-0103 or XXL Extra Large Transport Bag PCA-0105	Polymer	40	18	54	1.8
PCA-0105	XXL Extra Large transport bag (50 litres). Fits moulded backpack PCA-0104.	Resistant Vinyl	26	24	17	1
PCA-1630	Waterproof and airtight case with removable casters and folding top handle for PCT1800 or PCH2000 winches and accessories.	Polymer	79.5	61.5	44.4	15.1
PCA-0340	Waterproof and airtight case with removable casters and folding top handle for winches and accessories.	Polymer	58	58	56	14.8
PCA-0350	Waterproof and airtight case with folding side handles for winches and accessories.	Polymer	57	57	53	13.9

			
PCA-0103	PCA-1255	PCA-1256	PCA-1257XL

Model No.	Feature	Material	Diameter (cm)	Height (cm)	Weight (kg)
PCA-0103	Rope Bag - For Backpack PCA-0104. Will store 50 metres of 10 mm rope.	Resistant Vinyl	30	38	0.6
PCA-1255	Rope Bag – Small - Two handles. Will store either 50 metres of 12 mm rope or 100 metres of 10 mm rope.	Durable Nylon	26	36	0.5
PCA-1256	Rope Bag – Medium - Will store either 100 metres of 12 mm rope or 200 metres of 10 mm rope.	Durable Nylon	26	61	0.9
PCA-1257XL	Rope Bag – Extra Large - Will store either 200 metres of 12 mm rope or 400 metres of 10 mm rope.	Durable Nylon with Hard Bottom	37	59	2.06



PORTABLE CAPSTAN WINCH – PULLEYS



PCA-1270
Open face corner block



PCA-1271
Self-Blocking Pulley



PCA-1272
Double Self-Blocking Pulley



PCA-1273
Double Swing Side Pulley



PCA-1274
Single Swing Side Pulley



PCA-1275
Single Swing Side Pulley



PCA-1292
Single Swing Side Pulley

Model No.	Feature	Material	WLL (kg)	Sheave Diam. (mm)	Length (cm)	Width (cm)	Height (cm)	Weight (kg)	Rope (mm) Min / Max	Cert.	Min Break Strength (kg)
PCA-1270		Steel	2039	100	27	14	14	2.56	6 / 12	---	N/A
PCA-1271	Brake cam system allows the rope to go through freely in one direction and blocks it in the other direction.	Aluminium	N/A	62	22	8	3.5	0.82	6 / 13	CE	4079
PCA-1272	Two sheaves and a brake cam system - allow the rope to go through freely in one direction and block it in the other direction.		N/A	62	22	8	6	1.1	6 / 13	CE	4079
PCA-1273	Two lightweight 100 mm diameter deep groove aluminium sheaves.	Sides: Stainless steel. Sheave: Aluminium	4486	100	27	14	14	2.03	6 / 12	---	N/A
PCA-1274			2243	100	27	14	14	1.24	6 / 12	---	N/A
PCA-1275			1632	76	17	11	11	0.69	6 / 10	---	N/A
PCA-1292		Aluminium	N/A	63	17	11	11	0.40	6 / 13	CE	6000

SPARE PARTS



PCA-1110
Capstan Drum 57mm



PCA-1100
Capstan Drum 85mm



PCA-1120
Capstan Drum 76mm



PCA-1130
Capstan Drum 108mm



PCA-1151
Spark Arrestor







10-0044
Reversible Safety Lip

Model No.	Feature	Material	Diam. / Hole Diam. (mm)	Weight (kg)
PCA-1100	C/W rope guide and screws.	Aluminium	85 / 25.4	0.95
PCA-1110			57 / 25.4	0.95
PCA-1120			76 / 24.8	0.715
PCA-1130			108 / 24.8	0.715
PCA-1151	For Honda GXH-50 engine.		20	0.085
10-0044	For 57 mm and 85 mm drums. Prevents rope from jumping out of drum on all lifting winches: PCH1000, PCH2000 & PCT1800.		125	0.180



PORTABLE CAPSTAN WINCH – ACCESSORIES

				
PCA-1258 Multi-Purpose Sling	PCA-1259 Multi-Purpose Sling	PCA-1260 Multi-Purpose Sling	PCA-1261 Winch Anchor Plate	PCA-1263 Winch Anchor System
				
PCA-1264 Winch Support	PCA-1265 Adapter for Heck-Pack Anchoring System	PCA-1266 Heck-Pack Anchoring System	PCA-1267 Square Tube with Bent Hitch Pin	PCA-1268 Winch Support Plate with Bent Hitch Pin
				
PCA-1269 Winch Anchor System	PCA-1332 Pivoting Anchor	PCA-1501 Square Tube with Bent Hitch Pin	PCA-1805 Floor Mount Winch Anchor	PCA-1806 Pylon Mount Winch Anchor

Model No.	Description	Material	Length (cm)	Width (cm)	Weight (kg)	WLL (kg)
PCA-1258	60 mm x 3 metres (2-3/8" x 118-1/8").	Polyester	300	6	1.24	2000
PCA-1259	60 mm x 2.5 metres (2-3/8" x 98-7/16").	Polyester	250	6	1	2000
PCA-1260	60 mm x 2 metres (2-3/8" x 78-3/4").	Polyester	200	6	0.92	2000
PCA-1261	For towing balls up to 58.7 mm (2-5/16") diameter.	Zinc plated steel	27	14	0.91	
PCA-1263	For trees and poles with 3 m (10') strap. Use with PCA-1264 or PCA-1268.	Powder Coated Steel	32	27	8.2	
PCA-1264	With adjustable shelf and swivel pulley for vertical or horizontal pulling. Installs on PCA-1263, PCA-1265, PCA-1267, PCA-1501, and PCA-1806. If used for horizontal pulling, the pivoting anchor (PCA-1332) is necessary (sold separately).	Powder Coated Steel	61	26	9.2	
PCA-1265	Bolts on PCA-1266. Use with PCA-1264 or PCA-1268.	Zinc Plated Steel	14	16	1.45	
PCA-1266	For 50 mm towing balls.	Powder coated steel	46	16	3.05	
PCA-1267		Zinc plated steel	30.5	5.08	2.2	
PCA-1268	Installs on PCA-1263, PCA-1265, PCA-1267 or PCA-1501.	Zinc Plated Steel	45	29	4.5	
PCA-1269	For trees and poles with 3 m (10') strap.	Zinc Plated Steel	26	24	4	
PCA-1332	For the vertical pull support (PCA-1264). Link between PCA-1264 and PCA-1263 or PCA-1806 or PCA-1265 or PCA-1267 or PCA-1501.	Zinc Plated Steel	24	16	3.3	
PCA-1501	Square tube 50.8 mm x 45.7 cm with bent hitch pin.	Zinc plated steel	45.7	50.8	3.3	
PCA-1805	Ideal for pulling wire through conduits.	Zinc Plated Steel	51	26	9.4	
PCA-1806	For pylons angle iron. Use with Winch support plate PCA-1268 or Winch support for vertical pulling PCA-1264.	Powder Coated Steel	32	28	7.7	



PORTABLE CAPSTAN WINCH – ACCESSORIES

OTHER ACCESSORIES

						
1760427 Briggs & Stratton 82V 4Ah Li Battery	1760428 Briggs & Stratton 82V Charger	PCA-1290 Skidding Cone for Logs	PCA-1291 Automatic Release for Open Face Corner Blocks	PCA-1295 Choker Chain with C-Hook & Steel Pin	PCA-1310 Pulling Plate for Vehicles	PCA-1372 HPPE Rope Choker with Steel Pin

Model No.	Feature	Material	Length	Diameter	Width	Height	Weight	Minimum Breaking Strength (UTS)
1760427	60min Charge Time	High-resistance polymer plastic	21.5cm	-	12cm	8.5cm	2.6kg	-
1760428	Charges 2Ah & 4Ah Batteries	High-resistance polymer plastic	21cm	-	18.5cm	10.5cm	1.5kg	-
PCA-1290	50cm Opening	High-resistance polymer plastic	62cm	50.8cm	68cm	52cm	6.6	-
PCA-1291	Fits ropes up to 13 mm diameter.	Anodised Steel	17cm	-	11cm	11cm	0.405kg	-
PCA-1295	-	Anodised Steel	27cm	6.35mm	14cm	14cm	2.9kg	-
PCA-1310	Fits towing balls up to 50.8 mm (2") diameter.	Anodised Steel	27cm	4.2cm (Knob)	14cm	14cm	1.7kg	-
PCA-1372	Made of 10 mm diameter HPPE rope	High Performance Polyethylene	2.1m	6mm	-	-	0.55kg	7036kg

					
PCA-1276 Steel Locking Carabiner	PCA-1281 Safety Hook	PCA-1282 Locking Grab Hook	PCA-1299 C-Hook for Chain	PCA-1701 Steel Locking Carabiner	PCA-1702 Steel Locking Carabiner

Model No.	Description	Material	Minimum Breaking Strength (UTS)	Diam.	Length	Width	Height	Weight	Cert.	Gate Opening
PCA-1276	With screw gate lock.	Zinc plated with anodized aluminium	2550kg	10mm	17cm	11cm	-	0.16kg	CE	16mm
PCA-1281	Equipped with a spring-loaded safety gate.	Powder coated steel	WLL: 744kg	-	17cm	11cm	11cm	0.33kg	-	-
PCA-1282	With latch and 3 chain links. Will accept either 6 mm (1/4") or 7.9 mm (5/16") chain.	Zinc plated steel	-	6mm	17cm	11cm	11cm	0.63kg	-	7.9mm
PCA-1299	Convert an existing chain to an efficient choker chain with this C-Hook	Powder coated steel	WLL: 2039kg	-	10cm	7.5cm	1.5cm	0.34kg	-	-
PCA-1701	Multi-purpose high-quality zinc plated with anodized aluminium steel locking carabiner with screw gate lock.	Zinc plated with anodized aluminium	7140kg	12.5mm	17cm	11cm	-	0.35kg	CE	25mm
PCA-1702	Multi-purpose high-quality zinc plated with anodized aluminium steel locking carabiner with screw gate lock.	Zinc plated with anodized aluminium	5100kg	12mm	17cm	11cm	-	0.315kg	CE	19mm

PORTABLE WINCH-PETROL/DIESEL

GOODWINCH



Rope clutches supplied loose with units, to order petrol unit without clutch use Model No. GOODWINCH-1

FEATURES

- Safe, infinitely controllable pulling, holding, and lowering with the Goodwinch Portable Petrol or Diesel Twin Capstan Winch.
- Variable speed from hold, through creep to a full speed of approx. 25 metres per minute.
- Ideal for pulling cables through ducts, raising portable buildings, clearing debris from rivers, lakes and canals, forestry work, and general rope rescue work, etc.
- Work from either side or run two ropes together to halve the load.
- Two rope clutches (not shown) are included as standard on both models and are used for load holding during lowering or raising loads on transmission towers and similar structures.
- High quality engineering and design. Reliable, easy to start Honda (4 kW) engine (or Yanmar (3.5 kW) diesel engine) with a centrifugal gearbox driving the main capstan gearbox and aluminium bollards through a flexible coupling.
- Aluminium frame, two man lift, removable handles for easy storage.

Model No.	GOODWINCH	GOODWINCH-DIESEL
SPECIFICATIONS	Honda Petrol Engine	Yanmar Diesel Engine
Twin Capstans	Aluminium, 100mm Dia	Aluminium, 100mm Dia
Capstan Gearbox	Worm and Wheel, 30:1 ratio	Worm and Wheel, 30:1 ratio
Flexible Coupling	Rubber Anti-Vibration	Rubber Anti-Vibration
Main Engine Gearbox	Centrifugal 2:1 ratio	Centrifugal 2:1 ratio
Engine	4kW 4 stroke	3.5kW Diesel
Base Construction	Anodised Aluminium fabrication	Anodised Aluminium fabrication
Removable Lifting Handles	Bright zinc plated steel, rubber covered	Bright zinc plated steel, rubber covered
Anchor Points	Fitted tested shackles	Fitted tested shackles
Rope Tie Offs	Built in at top of main handle	Built in at top of main handle
PERFORMANCE	Honda Petrol Engine	Yanmar Diesel Engine
Easy start	Manual Choke	Manual Choke
Method of starting	Recoil Starter	Recoil Starter
Emergency Stopping	Top mounted cut off switch	Slide Control on Engine Side
Engine Speed Control	Throttle lever	Throttle lever
Running Time, half throttle	Approximately two hours	Approximately two hours
Load Retrieval Speed	Creep to 25m per minute	Creep to 21m per minute
Pulling Capacity	Maximum 1000 kgs	Maximum 850 kgs
Raising Capacity *	Maximum 300 kgs	Maximum 260 kgs
Recommended Rope Max Suitable Rope Length	14.3mm (9/16") double braided poly. As required, no maximum	14.3mm (9/16") double braided poly. As required, no maximum
DIMENSIONS	Honda Petrol Engine	Yanmar Diesel Engine
With Handles Removed	65cm long x 39cm wide x 42cm high	74cm long x 49cm wide x 47cm high
Approx. Overall Weight	50kgs	53kg

ELECTRIC CABLE PULLERS



Model No. 00369

VersiBoom Package Shown



Model No. 03196



Model No. 00829

FEATURES

- Pull heavy loads with minimal operator effort.
- Force Gauge included to constantly monitor the pull.
- Right-angle sheave allows the operator to stand out of the direct line of force.
- Audio alarm high force warning and circuit breaker shut off at maximum force for added safety.
- Tapered capstan and patented rope guidance system for better control of the rope when feeding onto the capstan.
- Runs off mains single phase power electric motor, 230VAC 50Hz
- Patented.
- Direct gear drive.
- Modular Safety Barrier available (refer page 229)

OPTIONAL EXTRAS

- Mobile Versi-Boom system provides fast and easy set up with no anchors to set or chains to mount.
- Easy to move around job site with mobile carriage .
- Unique floor mounting attachment for quick, reliable setup.



GREENLEE EQUIPMENT - TRUSTED SINCE 1862

Model No.	Greenlee Cat. No.	Description	Pulling Force (kN)	
			MAX	Continuous
31466	6001-22	Super Tugger Package & Chain Mount ^	28.9	20.0
00369	6806-22	UT8-22 Ultra Tugger 8 Package & Mobile VersiBoom II	35.8	28.9
03196	6800-22	UT8-22 Ultra Tugger 8 Package & Floor Mount	35.8	28.9
00812	6906-22	UT10-22 Ultra Tugger 10 Package & Mobile VersiBoom II	35.6/44.5*	28.9
00814	6900-22	UT10-22 Ultra Tugger 10 Package & Floor Mount	35.6/44.5*	28.9
00813	6901-22	UT10-22 Ultra Tugger 10 Package & Chain Mount	35.6/44.5*	28.9
00829	UT10-22	UT10-22 Puller Assembly	35.6/44.5*	28.9
00553	MVB	Mobile VersiBoom II Package	-	-

***Momentary Maximum Pull Force of 44.5kN for 28.9 – 35.6kN This is achieved with machine 15 minutes ON and 15 minutes OFF**

^ Floor mount available, Model No. 35605 or available in package (Model No. 00814)

ELECTRIC CABLE PULLERS (CONTINUED)



Model No.			31466	00369	03196	00812	00814	00813	00829	MVB
Pulling Force (kN)		Max	28.9	35.8		35.6/44.5 ¹				-
		Continuous	20.0	28.9		28.9				-
Pulling Speed		Load / Metres per Minute	None/5.0	None/2.7		None/4.9				-
			8.8/3.4	8.9/3.4		8.9/4.3				-
			17.9/2.3	17.8/2.3		17.8/3.6				-
			26.7/1.8	26.7/1.8		26.7/2.1				-
			-	-		35.6/1.83				-
Drive Motor (kW)			1.1	1.1		1.1				-
Rope*(mm OD/kN)			19.1/115.6	22.2/142.0		22.2/142.0				-
Dimensions - Main Motor Unit (mm)		Length	527	292		813				1194
		Width	572	660		305				1067
		Height	305	215		305				1219
Tugger Weight (kg)			49	39		49				146
-	-	Force Gauge	✓	✓	✓	✓	✓	✓	✓	
00865	00865	Floor Mount			✓		✓			
02846	02846	Chain Mount	✓					✓		✓
00870	00870	Wheeled Carriage		✓						
VersiBoom Package				✓		✓				✓

NOTE: Winch Model 31466 Optional Floor Mount Available (Use Model No. 35605)

* Rope is a critical link in pulling operations, use only manufacturer recommended double braided composite rope.

¹ Momentary maximum pull force of 44.5kN. For 28.9-35.6kN this is achieved with machine 15 minutes on, 15 minutes off.

² Two speed motor, values are for high speed. On low speed 26.7kN = 2.13m and 35.6kN = 1.83m.

³ Contact us for details of the parts of the VersiBoom kit for UT5



Model No. **00813**



Model No. **00814**



CABLE PUSHER / CABLE FEEDER (MADE IN USA)

The Greenlee Ultra Cable Feeder is intended to pull cable off of reels to assist the Greenlee Capstan puller in feeding the cable into conduit or cable tray. The Ultra Cable Feeder is not intended to pull cable or rope through conduit.

FEATURES

- Feeds cable at variable speeds to match the speed of cable puller
- Accommodates cable ranging in size up to 90mm in diameter
- Now with new tires for improved traction with low friction cables
- Sets up easily and can be operated by just one person
- Dual motors drive each wheel for traction on both sides of the cable
- Comes with pendant and toggle switch. An optional foot switch is available to control feeding
- Two cable loading methods: top-loading and end-loading
- Patented

SPECIFICATIONS

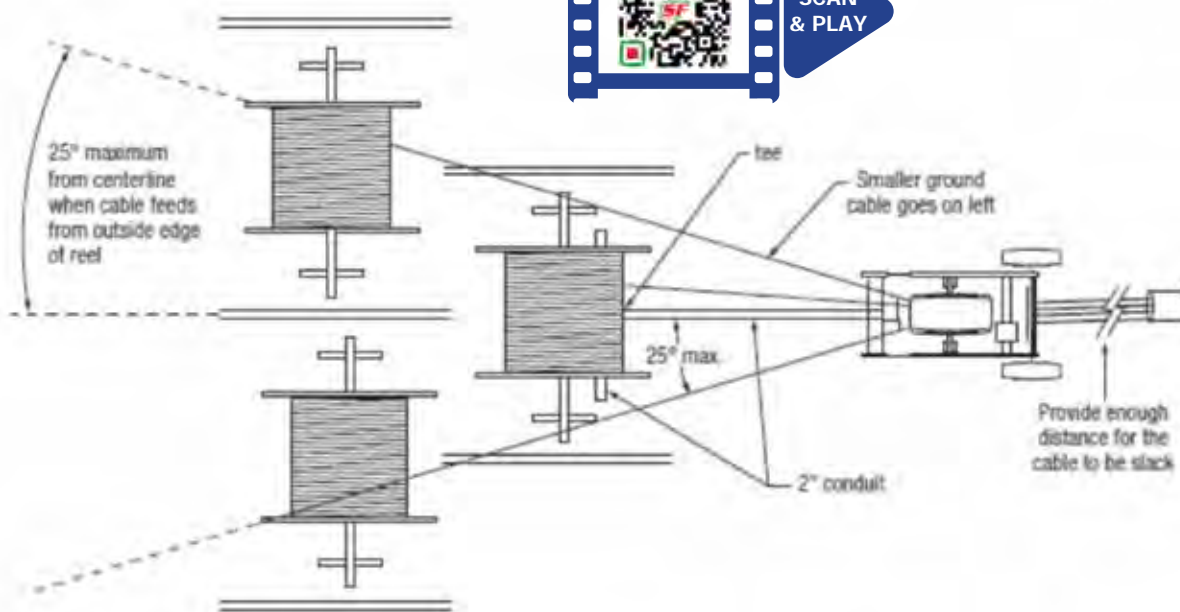
Model No.	12293
Reel Weight Capacity (kg)	11,300
Power Supply (VAC)	230
Size (mm)	1040 x 699 x 953
Weight (kg)	130

ACCESSORIES

Foot switch available

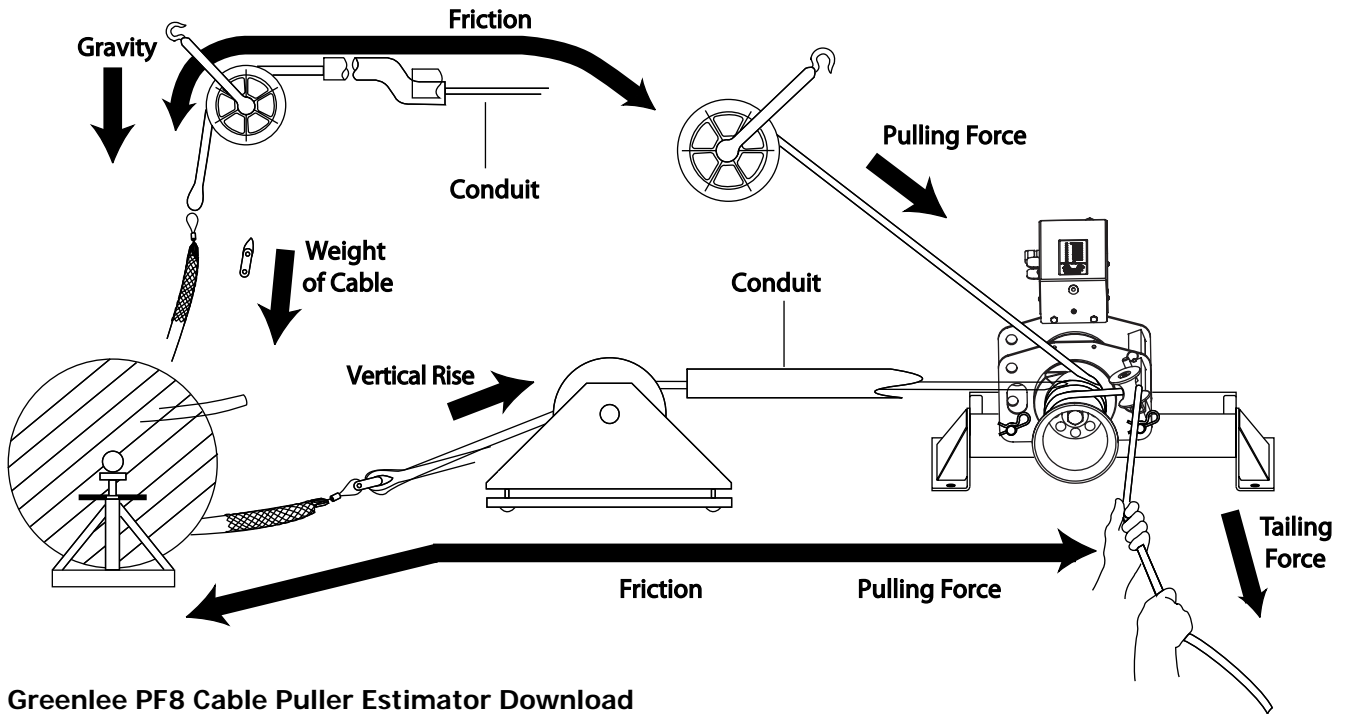
Model No.	24821
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EXAMPLE OF APPLICATION



SCAN
& PLAY

**CABLE PULLING THEORY
(FREE ESTIMATOR & ONLINE TRAINING)**



Greenlee PF8 Cable Puller Estimator Download

To give an approximation of the pull force that will be required to install electrical cable into a conduit, there are many unknown factors involved that prohibit giving exact results. Most notable amongst these is the coefficient of friction, occupancy of conduits (existing cables), lubrication, surface texture, and lay of the cable are never uniform along the length of a conduit run.

Comparing the known forces of pulls against the estimated force can give you a guide as to a good coefficient of friction to use for similar future pulls. In lieu of this, the Greenlee suggest some starting points for coefficient of friction of well-lubricated cable.

Typically known as a "leg", is a straight run of conduit followed by a bend, except for the last Leg, which would typically have no bend. Obviously there can be numerous bends in the run. If the leg changes elevation, there are substantial effect multipliers for vertical rise or descent. The total cable weight and a coefficient of friction are required. If there is a known drag on the cable before it enters the conduit, that force can be entered in and the estimated pull force can be displayed.

**SCAN
HERE FOR
MORE**



Greenlee University – Training & Productivity Solutions

Greenlee University offers informative and thorough "free" online training for a range of their products including;
Cable Pulling Products: Overview & Safety; Set-Up Puller Assembly and Uses
Productivity Solutions: Conduit Bending; Holmaking

Greenlee University is helping their customers do their jobs Faster, Safer & Easier with training to suit their needs. Explore upcoming "Webinars" and "On Demand Training" for opportunities on their website.

VISIT www.greenlee.com/resources/

TIRFOR HOISTS (MADE IN FRANCE)



Tirfor® machines are portable manual hoists used with maxiflex wire rope. They can be used to lift, pull and position loads over great distances depending on the wire rope length. They are suitable for use in numerous configurations and are the ideal solution for use in professional applications; they are operated by a simple lever.

The load capacity of the Tirfor® system can be increased by using sheave blocks.

Portable hoist to lift and pull loads, for utilisation in numerous configurations with longer wire rope lengths available upon request.

FEATURES

- Low weight—quick installation
- No limitation in terms of cable length
- Manageable, light-weight, robust, powerful
- Increase load capacity with deflection sheaves
- Overload protection
- Precise load placement within millimetres



T-500 Series



TU Series

WIRE ROPE FOR ALL TIRFORS SOLD SEPARATELY

Model No.	*Lift WLL (kg)	*Pull WLL (kg)	Wt (kg)	Wire Rope Wt @ 20 metre (kg)	**Rope (mm) OD	Wire Rope UTS (kg)	Dimensions (mm) LxWxH	Handle Dimensions (mm) Open/Closed	Replacement Safety Shear Pin	Rope 20 metre & Reeler Model No.
T-508D	800	1,333	6.6	6.1	8.3	4,000	420x250x59	690/400	29506	1959
T-516D	1,600	2,666	13.5	13.1	11.5	8,000	530x315x127	1150/650	29516	2059
T-532D	3,200	5,333	24.0	26.6	16.3	16,000	620x355x130	1150/650	41206	2379
TU-8	800	1,333	8.4	6.1	8.3	4,000	527x265x108	770-510	8836	1959
TU-16	1,600	2,666	20.0	13.1	11.5	8,000	660x330x140	1190-680	8836	2059
TU-32	3,200	5,333	27.0	26.6	16.3	16,000	676x330x156	1190-680	6866	2379

* SAFETY FACTORS: 5:1 LIFTING & 3:1 PULLING unless otherwise nominated or required

** BENDING RADIUS: Wire rope bending radius is to be greater than 12 x the diameter (12 x 11.5mm = greater than 138mm)

NOTE: • Hydraulic operated Tirfor hoists are also available in 1600 and 3200kg capacities, refer next page for more detail.

- Longer length wire rope on reeler or drum available upon request.

TUH SERIES SUPERTIRFOR HYDRAULIC TIRFOR WINCH

The Tractel TUH Series Hydraulic Tirfor® machines are portable motorised hoists used with maxiflex wire rope.



TU 16 H



TU 32 H

FEATURES

- Can be used to lift, pull and position loads over great distances depending on the wire rope length.
- Suitable for use in numerous configurations and are the ideal solution for use in professional applications.
- Operated by a hydraulic cylinder powered by either an electrical power pack or a petrol motor power pack.

NOTE: The load capacity of the Tirfor® system can be increased by using sheave blocks.

- Multiple machines can be operated by a single operator.
- Systems can be operated at a distance.
- No operator fatigue.

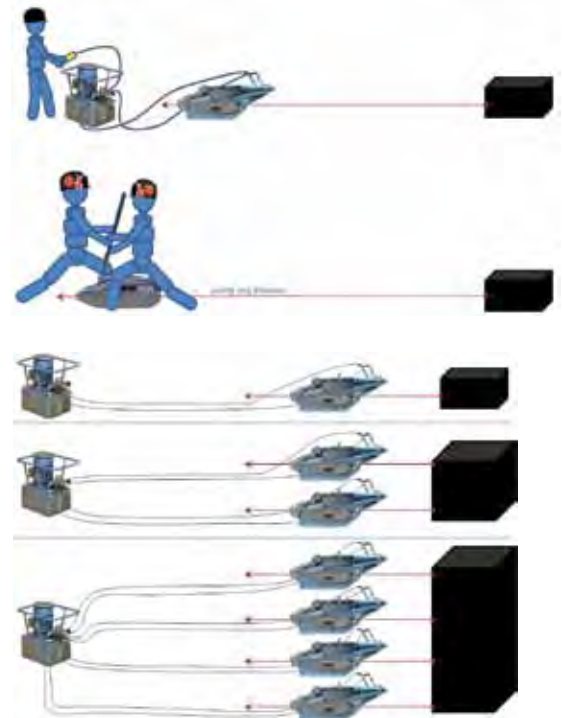
CAPACITY

By using the sheave block technique, the capacity of the Hydraulic Tirfor® can be increased by a factor of 2, 3, 4 or more.

- They can be used to lift, pull and position loads over great distances depending on the wire rope length.
- This special mechanism maintains a constant lifting or pulling capacity.

CONFIGURATIONS

The Hydraulic Tirfor® can be used in various configurations, up to 4 hoists at the same time.



Model No.	Capacity (kg)	Length (mm)	Height (mm)	Thickness (mm)	Rope (mm OD)	Forward Operation (m/min)			Reverse Operation (m/min)			Hydraulic Power Pack			
						Conf1	Conf2	Conf3	Conf1	Conf2	Conf3	1 way(kg)	2 way(kg)	3 way(kg)	Dimensions of Power Pack (mm)
TU 16 H	1600	788	360	185	11.5	2	1.5	0.75	2.3	2	1	43.5	44.1	45.1	460 x 550 x 500
TU 32 H	3200	1070	430	204	16.5	0.7	0.35	0.17	1.6	0.8	0.4	43.5	44.1	45.1	460 x 550 x 500

NOTE: Special Pumps are Required to Operate – Contact Specialised Force for More Information.

HYDRAULIC WINCHES (MADE IN ITALY)



Suitable for pulling or hauling applications in various industries such as utility (Pulling draw wires, lifting insulator strings up towers, underground cable, etc) and associated industry (Telecommunication and railways). More units available upon request and some features and performances of are able to be modified on request.

Performances of the machines listed are without optional devices, at sea level and at a temperature of 20°C. Dimensions and weights are also shown without optional devices. Information may change without notice due to continual research, development and improvement. Images and drawings are indicative only.



OMAC Model No.	MAX ROPE (mm)	MAX ROPE CAP (m)	POWER (kW)	Page Ref #	CAPACITY (kN)
F 202.P.08	6	200	1.8	D12	8
F 203.10	8	300	5.8	D13	8 (middle) 15 (1st layer)
F 206.10	10	500	5.8	D14	10 (middle) 15 (1st layer)
F 207.30	10	700	19.0	D15	30 (middle)
F 210.50	16	400	35.0	D16	50 (middle)

OMAC HISTORY

Established in 1954 by Mr. Luigi Consonni OMAC now consists of two companies;

OMAC s.n.c. designs, produces and commercialises a huge range of machines and equipment suitable for overhead stringing and underground pulling or stringing conductors, wires, cables for electrical utilities, telecommunications and railways.

The specialisation of OMAC products includes the stringing of overhead transmission lines as well as the laying of underground conductors, high and low tension, copper and aluminium conductor, as well as the optical fibre (OPGW).

OMAC's experience and flexibility of production allows them to customise machines for special purposes, designed on the specific needs and requirements of the customer.

The large number of OMAC machines working today in many countries worldwide is a testament to their reliability and quality.

Over 40 years of experience in manufacture!



PROTECTIVE CABLE WINCH BARRIER

MODEL No.CWB-600 SERIES CWB- WINCH BARRIER

DESCRIPTION

With Safety the number "1" priority whilst installing cables with high powered winches, these barriers are designed to provide protection to the operator in the event of rope or cable failure.

Designed for functionality, the barrier can be set-up and adjusted in several configurations to suit your work site and particular pull.

Other configurations can be made to order. Please contact SF for more detail



Bullet Hinges,
allows 100°
Rotation of gate



Disassembles flat for
transportation



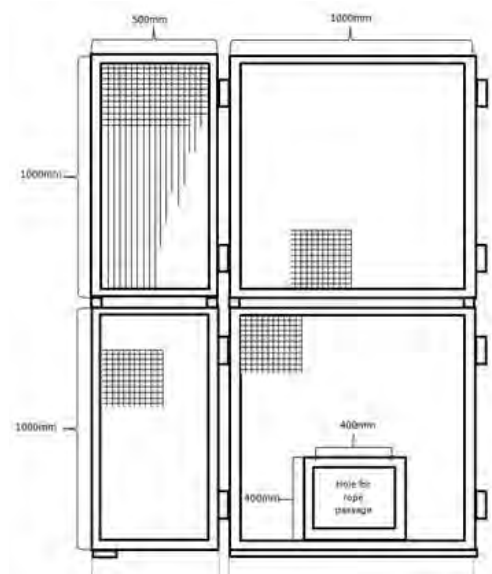
Designed for Greenlee winch
Floor Mount (00865)

FEATURES

- Fabricated from high quality steel product
- Powder coated Safety Orange
- Swivel sides for angle protection forward and backward – can be assembled on either left or right of the main barrier
- 16mm holes in main base and gate base plates for anchoring and fixing to winch
- Dissembles flat for ease of transport
- Pictured barrier, designed to suit Greenlee Electric Winch, Floor Mount (00865)
- Configurations adapted to your Winch and job specifications upon request

DETAIL

APPROXIMATE DIMENSIONS (mm)	
Erected	2000H x 1500L x 200W
Disassembled	1000H x 1000L x 200W
APPROXIMATE WEIGHT (kg)	
Total	35.95
Main Base	17.85
Main Top	8.15
Gate Base	5.6
Gate Top	4.35



UNDERGROUND PULLING MACHINERY (MADE IN ITALY)



Suitable for underground pulling or hauling applications in various industries such as utility (Pulling small and large diameter power cables, etc) and associated industry (Telecommunication). More machines available upon request. Some features and performances of machines can be modified on request.

Performances of machines listed are without optional devices. Dimensions and weights are also without optional devices. Information may change without notice due to continual research, development and improvement. Images and drawings are indicative only.



OMAC Model No.	Capstan OD (mm)	Max Rope (mm)	Power (kW)	Page Ref #	Capacity (kN)
F 325.P.08	120	6-7	8.0	E32	9
F 265.P.15	185	8	13.0	E33	15
F 215.P.30	200	8-10	20.0	E34	30
F 280.40.P	325	13-16	26.0	E35	40
F 275.P.40	250	13	26.0	E36	40
F 285.P.60	300	14	30.0	E37	60
F 280.P.100	350	16	48.0	E38	110
F 290.P.200.S	380	22	50.0	E39	210
F 260.P.400	580	32	87.0	E40	400

OMAC HISTORY

Established in 1954 by Mr. Luigi Consonni OMAC now consists of two companies;

OMAC s.n.c. designs, produces and commercialises a huge range of machines and equipment suitable for overhead stringing and underground pulling or stringing conductors, wires, cables for electrical utilities, telecommunications and railways.

The specialisation of OMAC products includes the stringing of overhead transmission lines as well as the laying of underground conductors, high and low tension, copper and aluminium conductor, as well as the optical fibre (OPGW).

OMAC's experience and flexibility of production allows them to customise machines for special purposes, designed on the specific needs and requirements of the customer.

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Over 40 years of experience in manufacture!



MORE MACHINES AVAILABLE UPON REQUEST

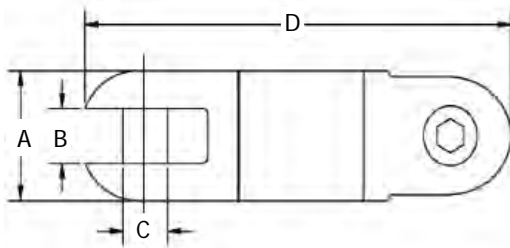
SERIES 00505 UNDERGROUND LINE SWIVELS (MADE IN CANADA)



SPECIFICATIONS

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

They combine a high safe working load limit 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.



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	1.70
00505-040	110.0	60	26.2	22.2	262	00040-HEX	3.50
00505-045	222.0	76	30.2	28.6	349	00045-HEX	7.70

* The Safe Working Load is calculated at 3:1 safety factor



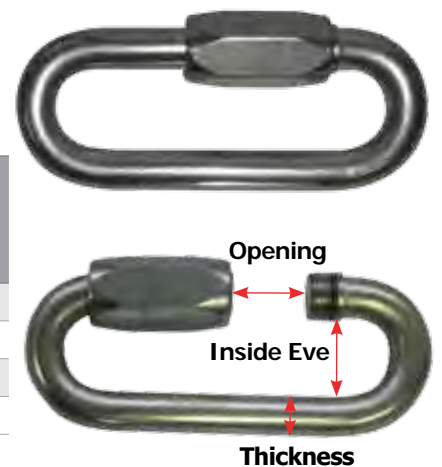
SERIES K600 QUICK LINKS (MADE IN EUROPE)

SPECIFICATIONS

Quality European design and manufacture, zinc plated high quality steel made to comply with standards EN362 & EN12275

Model No.	Length (mm)	Thickness of Material (mm)	Inside Eye Width (mm)	Opening (mm)	Suits DCD Swivel Model No.'s (and larger)	WLL* 5:1 (kg)	WLL* 3:1 (kg)	Break Load (kg)	Wt (kg)
		NOT NUT							
K600.08.W	88	8	17.5	17.5	00505-010	650	1,083	3,250	0.10
K600.10.W	106	10	20.5	20.5	00505-015	1,000	1,667	5,000	0.15
K600.12.W	124	12	23.5	23.5	00505-020	1,250	2,083	6,250	0.26
K600.16.W	161	16	29.5	29.5	00505-030	2,500	4,167	12,500	0.63

*5:1 safety factor for lifting is printed on the unit, however for pulling applications only 3:1 safety factor is required (unless otherwise nominated)



REFER TO SF ELECTRICAL CATALOGUE FOR FITTING INSTRUCTIONS

BREAK-AWAY SWIVELS & FUSES (MADE IN CANADA)

The purpose of this product is to protect the utility being installed from overload.

Typically, they would be used during the installation of fibre optic cable or very small gas ducting where the connector can be pre-set to breakaway at a predetermined load, thus protecting the fibres or the duct. The breakaway pins may be changed to allow the same connector or swivel to be used with a variety of different breakaway pins.

DCD



Model No.	Dimensions (mm)							Max Pin WLL (kg)	Use Breakaway Pin Type	WT (g)
	A	B	C	D	E	F	G			
00550-005	15.9	7.1	4.7	17.4	6.3	69.8	82.5	307	A	80
00550-010	22.2	9.5	7.9	24.6	11.1	80.9	103.2	455	B	190
00550-020	31.8	13.5	10.3	32.5	13.5	114.3	141.3	1818	C	550

BREAKAWAY SWIVEL PINS FOR 00550 SERIES BREAKAWAY SWIVELS

Model No. (Kit=Qty 10 Pins)	Break Point $\pm 10\%$ (kN)	Colour Code	Model No. (Kit=Qty 10 Pins)	Break Point $\pm 10\%$ (kN)	Colour Code	Model No. (Kit=Qty 5 Pins)	Break Point $\pm 10\%$ (kN)	Colour Code
Type A (Swivel 00550-005)			Type B (Swivel 00550-010)			Type C (Swivel 00550-020)		
00555-002	0.88	WHITE	00535-002	0.88	WHITE	00555-013	6.09	WHITE
00555-0034	1.51	RED	00535-004	1.77	YELLOW	00555-018	8.00	GREEN
00555-004	1.77	YELLOW	00535-006	2.66	ORANGE	00555-020 ³	8.89	BLUE
00555-0045	2.00	BLUE	00535-008	3.55	GREY	00555-027 ²	12.01	BLACK
00555-006	2.66	ORANGE	00535-010	4.44	RED	00555-036	16.01	YELLOW
00555-007 ⁴	3.00	BLACK				00555-040 ¹	17.79	RED

Suits Type of Cable;

¹ 300mm² - 500mm², 3 Core + 300mm Triplex (11kV)

² 95mm²-300mm², 3 Core (11kV)

³ 630mm² Single Core Cu (11kV) + LV Unarmoured Cables

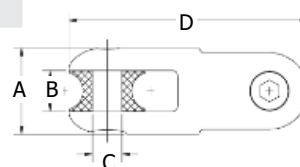
⁴ 300mm² XLPE Single Core or smaller

ROPE TO ROPE CONNECTORS

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	16	44.45	19.5	17.5	123.8	0.7
00521-035	66.7	22	50.8	23.8	17.5	139.7	1.23
00521-035	111.2	22	61.1	25.4	22.2	157.9	2.04

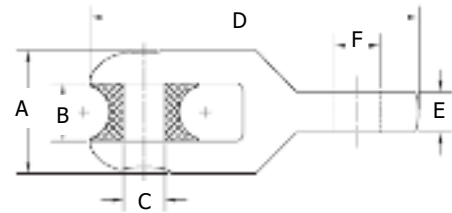
* WLL (Working Load Limit) 3:1 recommended as a guide only



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.

DCD



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
00522-040	133.44	22.2	50.8	23.8	17.5	136.53	16.6	7.9	1.7	00505-040

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



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



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

PELICAN ROPE

The Most Trusted Name in Rope™



Spliced Eye C/W Chafe
Guard Each End



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
4N-240-001	19.1	500	114.5	142.9
SUITS GREENLEE 6001-22 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 6800-22 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

HIGH TECH UTILITY CABLE PULLING & STRINGING ROPE (MADE IN USA)

PELICAN ROPE

The Most Trusted Name in Rope™



HIGH STRENGTH 12-STRAND DYNEEMA – the world's strongest fibre

All DYNEEMA Ropes are light blue urethane coated for extra abrasion resistance

This high performance rope is the first choice of top Industrial and Utility professionals

Contact us for more information



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

C SERIES



C1 Series¹

- Two Ply
- Galvanised Strand
- Alloy Ferrule
- 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.

HEAVY DUTY GRADED TUBULAR WEAVE

HDGW SERIES

Construction:

- Multi Ply
- Galvanised Strand
- Alloy Ferrule
- Soft Eye
- Copper Sleaving
- HDGWCS designed for passage through overhead stringing rollers

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.



Other Sock Styles & Configurations Available Request





FLAT, GROUND & RAISED ROLLERS

All units chrome zinc plated finish and choice of polypropylene or aluminium roller.



**FGR/FGRA Series
Flat Ground Roller**

Small and cost effective unit to use in flat conditions. The frame features three holes either side for mounting to walls or cable trays, etc.



**NTR/NTRA Series
Flat Trench Roller**

A durable trench roller guide that can also be turned on its side for corner pulls. The roller is placed behind the direction of pull and is offset from centre to reduce the possibility of tipping forward during pulling operations.



**RTR/RTRA Series
Raised Trench Roller**

This trench roller guide is designed for instances where an existing cable or conduit is in place. The roller is placed behind the direction of pull and is offset from centre to reduce the possibility of the roller tipping forward during pulling operations.

Model No.	Dimensions (mm)	Roller Type	Replace Roller Model	WLL* (kg)	Max Cable (mm OD)	Weight (kg)
FGR-140	250 x 240 x 130	Polypropylene	PR-140	500	150	1.80
FGRA-140	250 x 240 x 130	Aluminium	ALR-140	1000	150	3.20
FGRA-205	285 x 240 x 150	Aluminium	ALR-205	1500	195	5.10
NTR-120	330 X 170 X 150	Polypropylene	PR-140	500	150	1.20
NTRA-120	330 X 170 X 150	Aluminium	ALR-140	1000	150	2.80
NTRA-205	330 x 225 x 170	Aluminium	ALR-205	1500	195	5.00
RTR-140	330 x 220 x 250	Polypropylene	PR-140	500	150	2.10
RTRA-140	330 x 220 x 250	Aluminium	ALR-140	1000	150	3.10
RTRA-205	330 x 270 x 250	Aluminium	ALR-205	1500	195	5.30

*WLL 2:1 Safety Factor

ALR Series: Aluminium roller with sealed bearings to suit cables up to ø150mm (ALR-140) & ø195mm (ALR-205).

PR-140: Plastic roller with bearings to suit cables up to ø140mm.

CURVED & CORNER TRENCH ROLLER GUIDES

Solid construction trench roller guides for manholes with provisions to peg the units down. Rollers supplied with twin internal bearings. Zinc plated finish on all units.



TRGM-140-3A45

45° Curve



TRGM-140-900R

45° Curve - Large



TRGM-140-4A90

90° Corner (Adjustable rollers, can be set on side)

Model No.	Dimensions (mm)	Angle (°)	Bend Radius (mm)	No. of Rollers	Max Cable (mm OD)	Weight (kg)
TRGM-140-3A45	590 x 230 x 220	45	500	3	150	9.60
TRGM-140-900R	820 X 230 X 245	45	900	4	150	12.50
TRGM-140-4A90	690 x 690 x 200	90	-	4	150	15.00



MANHOLE ROLLER GUIDE



TRGM-100



TRGM-100-2



TRGM100-3



PMCG & PMRG SERIES PIVOTING MANHOLE GUIDES

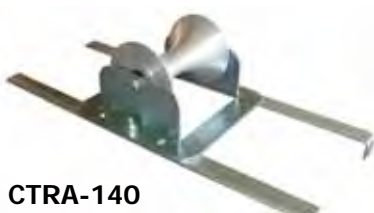


PMCG Series

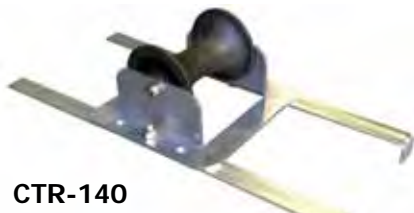


PMRG Series

CABLE TRAY ROLLERS (ALL ROLLERS HAVE ROLLER BEARINGS)



CTRA-140



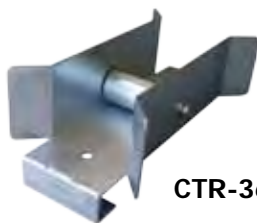
CTR-140



CTR-50



CTR-60C-5R

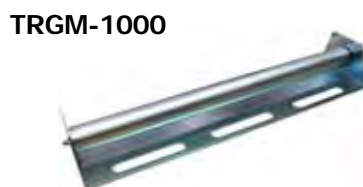


CTR-360



CTR500-15R

LONG FEEDING TRENCH ROLLER GUIDES



TRGM-1000



TRGM-700



TRGM1000-2R

TCR SERIES TRENCH CORNER ROLLERS



TCR60-230



TCR160-230



TCR78-300





FEEDING SHEAVES & GUIDES

ELECTRICAL, WINCHES, STRINGING & CABLE LAYING

Image	Model No. *	Dimensions (mm)	Conduit Nom. OD (mm)	Approx Equip OD (mm)	Weight (kg)
	IFS-050E	255 X 120 X 115	50	42	1.60
	IFS-050T	255 X 130 X 115	50	48	1.60
	IFS-063E	255 X 140 X 115	63	48	1.60
	IFS-063T	250 X 155 X 110	63	60	1.70
	IFS-080	250 X 200 X 140	80	74	1.80
	IFS-100	250 X 220 X 155	100	98	2.80
	IFS-125	250 x 240 x 165	125	118	3.20
	IFS-150	250 x 260 x 175	150	138	4.40
	FS-050E	370 X 160 X 180	50	38	2.90
	FS-050T	380 X 160 X 180	50	48	3.30
	FS-063E	380 X 160 X 180	63	48	3.30
	FS-063T	380 X 160 X 180	63	60	3.30
	FS-080	370 X 170 X 200	80	74	3.50
	FS-100	390 X 190 X 210	100	98	5.60
	FS-125	390 X 200 X 220	125	118	6.10
	FS-150	400 X 230 X 230	150	138	6.40
	FS-200	460 X 280 X 320	200	190	13.90
	FS-080-4R	360 x 200 x 170	80	74	5.20
	FS-100-4R	380 x 220 x 180	100	98	6.50
	FS-125-4R	390 X 230 X 260	125	118	7.00
	FS-150-4R	390 X 260 X 280	150	138	7.90
	FS-200-4R	460 X 280 X 320	200	190	13.90
	FS080-4A90	900 X 620 X 260	80	74	12.20
	FS100-4A90	900 X 620 X 260	100	98	15.00
	FS125-4A90	900 X 620 X 260	125	118	15.00
	FS150-4A90	900 X 620 X 260	150	138	15.00
	FS200-4A90	900 X 620 X 260	200	190	23.80

* "T" for Telecommunications Conduit or "E" for Electrical Conduit

CS & CLS SERIES STANDARD & LOCKABLE CONDUIT SLIPPER GUIDE

Cable slippers cables from sharp corners of conduit during laying. They are robust and economical with much thicker material than the cheaper versions on the market. Zinc plated finish. CLS series are lockable.

Model No. *	Dimensions (mm)	Conduit Nom. OD (mm)	Approx Equip OD (mm)	Weight (kg)
CS-050E	310 X 50 X 85	50	42	0.50
CS-050T	310 X 50 X 85	50	48	0.50
CS-063E	310 X 50 X 85	63	48	0.50
CS-063T	310 X 50 X 85	63	60	0.50
CS-080	465 X 90 X 150	80	74	1.30
CS-100	560 X 110 X 180	100	98	2.50
CS-125	720 X 140 X 230	125	118	4.90
CS-150	750 x 160 x 250	150	138	5.30
CLS-050E	310 x 130 x 150	50	38	1.20
CLS-050T	310 x 130 x 150	50	48	1.20
CLS-063E	310 x 130 x 150	63	48	1.20
CLS-063T	310 x 130 x 150	63	60	1.20
CLS-080	410 x 160 x 250	80	74	2.50
CLS-100	550 x 190 x 340	100	98	4.60
CLS-125	680 x 220 x 410	125	118	6.80
CLS-150	720 x 250 x 450	150	138	7.20

* "T" for Telecommunications Conduit or "E" for Electrical Conduit



HOOK SHEAVES (MADE IN USA)

- Strong, welded steel frames.
- Forged steel closure-type hooks with 25.4mm opening.
- 127mm wide aluminium alloy sheaves with self-lubricating bearings.

Model No.	Greenlee Model No.	OD (mm)	Inside Radius (mm)	Sheave Width (mm)	Weight (kg)	WLL (kN)
15324	650	152	38	127	4.0	17.8
15325	651	305	84	127	6.8	17.8
15326	652	457	178	127	11.3	17.8
15327	653	610	249	127	15.9	17.8

SPARE PARTS

Sheave Model No.	15324	15325	15326	15327
Diameter (mm)	152	305	457	610
Description of Part	Model No.	Model No.	Model No.	Model No.
Sheave Pin	16797	16797	16797	16797
Sheave Pin Clip (2)	50302	50302	50302	50302
Sheave	15362	15358	15363	15364
Sheave Bushing (2)	16798	16798	16798	16798
Yoke Frame	16799	16800	16801	16802



Model No. 17265 RIGHT ANGLE TWIN YOKE SHEAVE (MADE IN USA).

- Strong welded steel yokes.
- Forged steel closure type hook with wide aluminium alloy sheave with self-lubricating bearings.
- Yokes rotate independently to fit various setups.

SPARE PARTS

Description of Part	Model No.
Sheave Pin	17266
Sheave Pin Clip (2)	50302
Sheave	15364
Sheave Bushing (2)	16798
Yoke Frame	17299

Model No.	17265
Greenlee Model No.	639
Opening	25.4
Min Radius (mm)	249
Sheave Width (mm)	127
WLL (kN)	17.8
Wt (kg)	20.4



Model No. 31569 TRIPLE SHEAVE CABLE GUIDE (MADE IN USA)

- Forged steel closure type hook with 38.1mm opening.
- Lightweight aluminium frame with adjustable centre sheave.
- Steel yoke is pinned for easy removal.

Model No.	Greenlee Model No.	Height (mm)	Length (mm)	Width (mm)	Adjustable Centre Sheave Radius (mm)	Sheave Width (mm)	Weight (kg)	WLL (kN)
31569	6036	555	610	187	495/914	127	12.7	28.9



CONVEYOR SHEAVES

- Welded steel frame with a series of sheaves to form a large radius
- Yokes with cast steel closure-type hooks with a 25.4mm opening
- 127 mm wide aluminium alloy sheaves
- Use with any cable puller with maximum pulling force of 17.8kN

Model No.	Greenlee Model No.	Description	No. of Sheave Wheels	Max Pull Force (kN)	Wt (kg)
26368	4024	610mm Sheave	6	17.8	24.5
26369	4036	915mm Sheave	8	17.8	27.0
26370	4048	1220mm Sheave	10	17.8	38.0

REPLACEMENT PARTS	
19185	Yoke Frame
15362	Sheave with Bearings
19186	Sheave Pin
50302	Sheave Pin Clip
31573	Sheave Pin

THESE SHEAVES IDEAL FOR WORKING WITH GREENLEE ELECTRIC CABLE PULLERS. USE ROLLER SUITABLE FOR MACHINE CAPACITY



HOOK SHEAVES 35.8kN WLL (MADE IN USA)

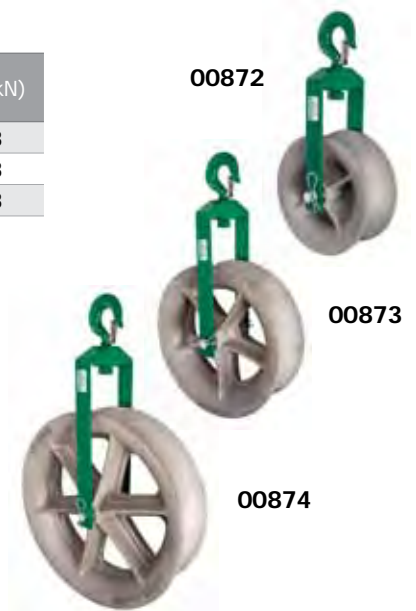
- Can be used with Greenlee.
- Strong, welded steel frames.
- Forged steel closure type hooks with 25.4mm opening.
- Sheaves are aluminium alloy with self-lubricating bearings.



Model No.	Greenlee Model No.	OD (mm)	Inside Radius (mm)	Width (mm)	Weight (kg)	WLL (kN)
00872	8012	305	98	127	12.7	35.8
00873	8018	458	178	152	19.9	35.8
00874	8024	610	251	165	30.3	35.8

SPARE PARTS

Sheave Model No.	00872	00873	00874
Diameter (mm)	305	458	610
Description of Part	Model No..	Model No.	Model No.
Roll Pin	50700	50700	50700
Sheave Pin	00838	00846	00850
Sheave Pin Clip 50302	50302	50302	50302
Sheave Unit	00843	00844	00845
Yoke Frame	00854	00855	00856



PIT & PILLAR ACCESSORIES



Pit & Pillar Accessories



PIT LID SEAL BREAKER
Model No. **PB-100**



PIT LID LIFTER
Model No. **PK-500**



PILLAR SPANNER 21 & 26mm
Model No. **PS21-26**

THESE SHEAVES IDEAL FOR WORKING WITH GREENLEE ELECTRIC CABLE PULLERS. USE ROLLER SUITABLE FOR MACHINE CAPACITY

WBC SERIES WIRE CLEANING BRUSH

These wire brush cleaners are made with 22g wire strands and are complete with welded eyes at each end for pulling. For internal cleaning of ducts and conduits of debris. Galvanised finish.

Model No.	Dimensions OAL x W x H (mm)	Conduit Nom. OD (mm)	Brush Approx. OD (mm)	Wt (kg)
WBC-050	230 x 55 x 55	50	55	0.25
WBC-063	245 x 70 x 70	63	70	0.25
WBC-080	390 x 90 x 90	80	90	0.60
WBC-100	435 x 110 x 110	100	110	0.60
WBC-125	470 x 130 x 130	125	130	0.65
WBC-150	470 x 130 x 130	150	130	0.80
WBC-200	600 x 230 x 230	200	230	0.90

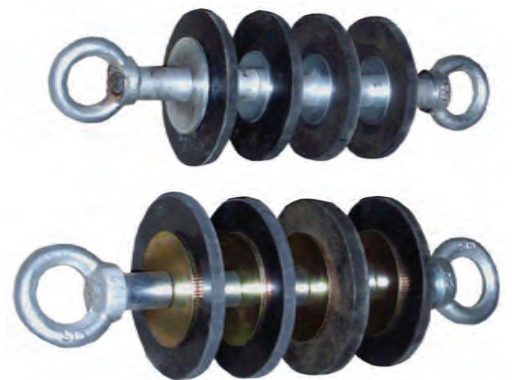


CRC SERIES CONDUIT RUBBER CLEANER

The Conduit rubber cleaner (or Squeegee) is manufactured with four rubber squeegees and a pulling eye at each end for hauling. Large debris should be removed first with WBC wire brush then with CRC to remove finer sediment like gravel and mud, etc. Zinc plated finish on metal components. For conduits below 80mm please specify whether it is to service a telecommunication or electrical conduit.

Model No. *	Dimensions OAL x W x H (mm)	Conduit Nom. OD (mm)	Cleaner Approx. OD (mm)	Wt (kg)
CRC-050E	160 x 46 x 46	50	46	0.25
CRC-050T	160 x 53 x 53	50	53	0.25
CRC-063E	160 x 58 x 58	63	58	0.25
CRC-063T	160 x 66 x 66	63	60	0.30
CRC-080	250 x 85 x 85	80	85	1.05
CRC-100	250 x 107 x 107	100	107	0.80
CRC-125	250 x 130 x 130	125	130	1.00
CRC-150	250 x 148 x 148	150	148	1.15
CRC-200	250 x 205 x 205	200	205	1.85

* "T" for Telecommunications Conduit or "E" for Electrical Conduit



DPM SERIES CONDUIT PROVING MANDRELS

Proving mandrels are used to test the circular integrity of a conduit after back filling. Made from high density polyethylene for long durability and inherent lubricity. Each DPM is assembled with galvanised wire rope and aluminium ferrules to create an eye at each end for fixing of rope for hauling.

Model No. *	Dimensions OAL x W x H (mm)	Conduit Nom. OD (mm)	Mandrel Approx. OD (mm)	Wire OD (mm)	Mandrel Length (mm)	Wt (kg)
DPM-014T	24 x 14 x 14	14	14	^	^	< 0.5
DPM-018T	30 x 18 x 18	18	18	^	^	< 0.5
DPM-024T	40 x 24 x 24	24	24	^	^	< 0.5
DPM-028T	45 x 28 x 28	28	28	^	^	< 0.5
DPM-032T	55 x 32 x 32	32	32	^	^	< 0.5
DPM-038T	60 x 38 x 38	38	38	^	^	< 0.5
DPM-040E	210 x 31 x 31	40	31	5	60	0.06
DPM-050E	270 x 40 x 40	50	40	6	80	0.15
DPM-050T	270 x 47 x 47	50	47	6	80	0.15
DPM-063E	350 x 52 x 52	63	52	8	100	0.30
DPM-063T	350 x 60 x 60	63	60	8	100	0.35
DPM-080	500 x 74 x 74	80	74	10	180	0.95
DPM-100	500 x 90 x 90	100	90	10	180	2.00
DPM-125	565 x 118 x 118	125	113	12	245	2.85
DPM-150	565 x 130 x 130	150	130	12	245	3.20
DPM-200	600 x 184 x 184	200	184	12	280	4.50

* "T" for Telecommunications Conduit or "E" for Electrical Conduit

^ Specifications on demand



RS SERIES RUBBER SLUG

The Rubber slug is use to spread cable lubricant or gel through a conduit. Supplied in sizes to suit conduits from 50mm to 200mm. Zinc plated finish.

Model No. *	Dimensions OAL x W x H (mm)	Conduit Nom. OD (mm)	Slug Approx. OD (mm)	Wt (kg)
RS-050E	50 x 46 x 46	50	46	0.15
RS-050T	50 x 53 x 53	50	53	0.15
RS-063E	50 x 58 x 58	63	58	0.30
RS-063T	60 x 66 x 66	63	66	0.35
RS-080	80 x 85 x 85	80	85	0.95
RS-100	100 x 107 x 107	100	105	2.00
RS-125	100 x 130 x 130	125	130	2.85
RS-150	100 x 148 x 148	150	149	3.20
RS-200	170 x 205 x 205	200	205	1.05

* "T" for Telecommunications Conduit or "E" for Electrical Conduit



CABLE & FIBRE PULLING LUBRICANTS

Polymer-based, no silicon lubricant offers lower friction and easier pulling.

- Compatible with all cable insulation types.
- Cleans up quickly. Non-staining.
- Higher lubricity than competitive products.
- Will not cement itself to the pipe.
- Dries slowly.
- Can be applied by hand or pump.
- Will not break down or separate after exposure to heat or cold.
- Environmentally safe/non-hazardous.
- Completely soluble in water

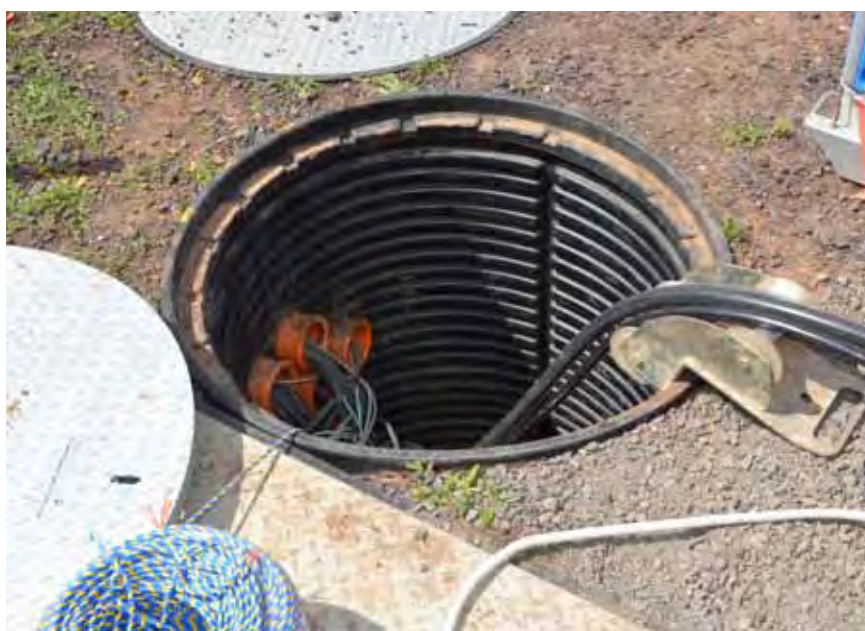


Size examples



Model No.	Description	Volume (L)	Weight (kg)	Viscosity (CPS)	Ph Range	Average Cof
35211	Cable-Gel Squeeze Bottle	0.95	1	8,000 -12,000	7.0-8.0	0.18
35212	Cable-Gel Tub	3.79	3.9	8,000 -12,000	7.0-8.0	0.18
35213	Cable-Gel Bucket	18.93	20.4	8,000 -12,000	7.0-8.0	0.18

MSDS (Material Safety Data Sheet available upon request)



ELECTRIC BLOWER KIT

This high volume, low pressure blowing system is used to blow a balloon type bag attached to a draw line or string down a conduit. The draw line is then used to pull a heavier hauling rope back to your start position. This system can easily rope a 100mm conduit 300-500 metres. Dual stage motors, 230VAC/50Hz Electric Power Blower. 1300W delivering approximately 3.5 cubic metres of air per minute.

**BLOWING
DISTANCE Blow
1,000m into 15-
160mm Conduit
(Empty)**



EBK2-130K KIT INCLUDES:

- 1 x Blower EBK2-1300
- 5m x 50mm hose EBP-5M50
- 1 x Hand-Gun EBH-30
- 1 each Conduit Seal-Offs Refer below table for sizes

Model No.	DESCRIPTION
ECS-12	Conduit seal off for 12 to 40mm
ECS-50	Conduit seal off for 40 to 70mm
ECS-110	Conduit seal off for 70 to 160mm

- 1 each Rope grommets 3mm, 5mm and 7mm

Model No.	DESCRIPTION
EBK2-130K	Complete Blowing Kit
EBK2-1300	Blower Unit Only (11.9kg)



CRB SERIES CONDUIT ROPE BLOWER

This pneumatic conduit seal off was designed so to eliminate the need for multiple size seal off plugs, the tapered head for allows use on 40-150mm conduit (170mm at largest point so suitable for 150mm conduit bell end). Suitable for blowing 6mm Teslra rope (Parramatta) on longer runs or jet line or twine on smaller runs. Made from 316 grade stainless steel with solid polyurethane cone. It requires a large compressor to operate (2.1cm3 75 CFM minimum) with 3/4" Claw Air Fitting (Minsup A). CRBA-125 has an angled end to tight spots or pits.

Model No.	Suits Conduit (mm)	Length (mm)	Weight (kg)
CRB-150	50-150	630	4.1
CRBA-125	40-125	550	3.2



ACCESSORIES

BALLOON LINE CARRIERS, CONDUIT SEAL OFFS and COMPRESSOR BLOWERS also available.





CONTINUOUS FIBREGLASS RODS COILS

Continuous coils of fibreglass rod, ideal for long distance rodding of conduits.

The rod includes a 1mm tracer wire in the centre and a 1.5mm layer of UV stabilised polyethylene sheathing for added protection and durability.

The set comes complete with a stand fitted (the 9mm & 11mm are supplied with wheels**) and a drag brake for holding the rod during operation, a threaded male fitting and removable eye on the outward end and a fixed eye on the inner end. The 9mm & 11mm also include a joining kit which consists of 2 joiners, 1 replacement eye, threaded end, glue and fitting instructions.

SIZES AND LENGTHS (All Sizes Include Trace Wire)









Model No.	Description	Length (m)	Wt (kg)	Replacement Rod
FRD5-40*	5mm Fibreglass Rodder	40	4	FRR5-40
FRD5-80*	5mm Fibreglass Rodder	80	4	FRR5-80
FRD7-75*	7mm Fibreglass Rodder	75	9	FRR7-75
FRD7-125*	7mm Fibreglass Rodder	125	13	FRR7-125
FRD7-150*	7mm Fibreglass Rodder	150	16	FRR7-150
FRD9-150**	9mm Fibreglass Rodder	150	38	FRR9-150
FRD9-200**	9mm Fibreglass Rodder	200	44	FRR9-200
FRD11-200**	11mm Fibreglass Rodder	200	55	FRR11-200
FRD11-250**	11mm Fibreglass Rodder	250	62	FRR11-250
FRD11-300**	11mm Fibreglass Rodder	300	73	FRR11-300

* Free Standing

** Include Semi-Pneumatic Wheels



ACCESSORIES – Available for 5mm, 7mm, 9mm & 11mm rods

								
Model No.	FEE-05 & FEE-7-11	SE9-11	RG-5, RG-7 & RG-9-11	ME-05, ME-07, ME-09, ME-11	JS-05, JS-07, JS-09, JS-11	SL-5, SL-7, SL-9, SL-11	FL9-11	PR040B
Description	Female End Fitting for 5, 7, 9, 11mm Rod	Swivel Eye for 9 & 11mm Rod	Roller Guide for 5mm, 7mm & 9-11mm Rod	Male End for 5, 7, 9 & 11mm Rod	Joiner for 5, 7, 9 & 11mm Rod	Spring Leader for 5, 7, 9 & 11mm Rod	Fibreglass Leader for 9 & 11mm Rod	Replacement Rollers for FRD9/11

JOINER FIXING KITS

Repair Kit Model No.	Rod OD (mm)	QTY	Each Kit Contains Description
JK-05	5	2	Joiner Sleeves
JK-07	7	1	Male End Fitting
JK-09*	9	1	Female End Fitting with Eye
JK-11*	11	1	Fitting Instruction
		2	Epoxy Glue, Mixing Sticks & Sheets, Sandpaper Strips (Model No. FRDG)

*Joiner Fixing Kit Supplied as standard with 9mm & 11mm Rodders.





Australian made Cable Drum Handling equipment to accommodate all sizes and types of Drums, for workshop and worksite operation.

CABLE DRUM RAMPS Model No. DRR-1000

- Lightweight and transportable
- Folds flat for storage and transport
- Suits a wide range of Cable Drums 450-1,700mm in diameter
- Used in Industrial situation on flat ground
- Includes a safety bar, to stop the drum rolling off

Model No.	Description	Min/Max Drum Diameter (mm)	WLL (kg)	Weight (kg)
DRR-1000	CABLE DRUM RAMP	450/1700	1000	28 pair
Dimensions (mm)		1350 x 210 x 250 (LxWxH)		
Folded Dimensions (mm)		750 x 210 x 250 (LxWxH)		



DRR-1000 Shown Folded

CABLE DRUM TROLLEY Model No. CDT-500

- Lightweight and transportable
- Folds flat for storage and transport
- Four Mounting Positions Suits a range of cable drums
- Used in Industrial situation with powder coated finish
- Includes two pneumatic wheels and one solid plastic wheel with brake
- Axle and four retaining collars

Model No. *	Description	Usable Axle Length (mm)	Axle Diameter (mm)	Drum Diameter (mm)		WLL (kg)	Weight (kg)
				Min	Max		
CDT-500	CABLE DRUM TROLLEY	900	50	750 Lowest Position	1500 Highest Position	250	42
Dimensions (mm)		1745 x 1285 x 1000 (LxWxH)					
Folded Dimensions (mm)		1340 x 1285 x 335 (LxWxH)					

Optional winding handle model available with drum fixing arm



CDT-500 Folds Down for Storage & Transport



CABLE DRUM CADDY Model No. CDC-150

- Lightweight and transportable
- A combination of Rolled arches, self-lubricating Acetyl blocks and a cranking ratio of 7.9:1, aid with the lifting of cable drums
- Lifts drums up to 1200mm W x 950mm diameter
- Includes a Rubber/plastic wheel and two swivel wheels with brakes at the rear and 60mm Axle and two retaining collars

Model No.	Description	Max Drum Diam. (mm)	Max Drum Width (mm)	WLL kg	Weight Kg
CDC-150	CABLE DRUM CADDY	950	1200	150	40
Dimensions (mm)		1410 x 1300 x 855 (LxWxH)			



Model No. CDC-150

Australian made Cable Drum Handling equipment to accommodate all sizes and types of Drums, for workshop and worksite operation.

CABLE DRUM LEVER Model No. DL-150

- Lightweight and transportable
- Cable Drum Frame utilises a leverage of approximately 6:1 to aid with the lifting
- Lifts drums up to 1500mm OD x 1000mm wide
- Includes a 50mm Axle and two retaining collars
- Ideal for factory or workshop environment

Model No.	Description	Dimensions (mm)	Max Drum Diameter mm	Max Drum Width mm	WLL Kg	Weight kg
DL-150	CABLE DRUM LEVER	1780 x 1260 x 830 (LxWxH)	1400	970	150	25



ROPE STAND Model No. CRS-290

- Lightweight and transportable
- Folds flat for storage and transport
- Useable axle length 800mm
- Used in Industrial situation with powder coated finish
- Includes zinc plated axle 33mm OD

Model No.	Description	Dimensions (mm)	Drum Width mm		Weight kg
			Min	Max	
CRS-290	CABLE REEL STAND	1780 x 1260 x 830 (LxWxH)	SMALL BUILDERS CABLE DRUMS*		5.8

*Maximum 700mm

Dimensions (mm)	900 x 531 x 400 (LxWxH)
Folded Dimensions (mm)	900 x 531 x 140 (LxWxH)



50Kg WLL

ROPE CADDY Model No. CRC-600

- Lightweight and transportable
- Suitable for Workshop & Worksite applications
- Axle 90mm OD
- Complete with drum seated on grease able bearings, crank handle and two pneumatic wheels for mobility over rugged terrain
- Frame is powder coated, barrel zinc plated finish
- Manufactured with mandrel bent pipe work for maximum strength

Model No.	Description	Max Drum Width mm	Weight kg
CRC-600	CABLE DRUM CADDY	500	30
Dimensions (mm)		800 x 930 x 1090 (LxWxH)	
Capacity		2,100m of 6mm rope, 1,300m of 8mm rope, 550m of 12mm rope, 320m of 16mm rope	



CRC-600

ROPE STAND Model No. RS-2419

- Axle 50mm OD
- Simple but very rigid stand to suit drums of rope or cabling. C/W washer and snap lock pin to retain drums. Black powder coated finish

Model No.	Description	Dimensions (mm)	Max Drum Width mm	Max Drum OD mm	Weight kg
RS-2419	ROPE STAND	590 x 500 x 366 (LxWxH)	480	600	11.8

RS-2419
60Kg WLL





Australian made Cable Drum Handling equipment to accommodate all sizes and types of Drums, for workshop and worksite operation.

CABLE DRUM SCISSOR LIFT MODEL No. SLS Series



SLS1-2T Shown with cable drums mounted

- Manoeuvrable and transportable
- Designed for rugged use
- Well suited for uneven ground as the individual lifting screws can be adjusted separately
- Sealed directional bearings (insert) aid the ease of lifting and lowering of cable drums
- Two stands with wheels for transportation, and placement collars to retain drums and a ground joining bar for rigidity during operation
- Stamped and registered load bearing axle
- Winding via spin handle
- Includes Operating Instructions, WLL labelling and Compliance Certificate

Model No.	Description	Kit Contents	Drum Dia mm Max	Useable Drum Axle Length (mm)	Drum Axle Dimensions [Diam x Length] (mm)	Joining Bar Dimensions (mm)	WLL Kg	OAL (mm)	Width (mm)	Max Angle (°)	Max Height (mm)
SLS0.5T	SCISSOR LIFT DRUM SET	2 x Complete Stands with Rubber Wheels	1200	1000	50 x 1500 (DA15-50)	Not Supplied	500	1000	200	55	670
SLS1-2T		1 x Stamped & Registered Drum Axle	1600	1700	60 x 2300 (DA23-60)	60 x 2300 (DA23-60J)	2000	1380	400	55	925
SLS3-4T		1 x Ground Joining Bar (SLS1-2 & SLS3-4 Only) 2 x Retaining Collars	2600	2000	90 x 2300 (DA23-90)	90 x 2300 (DA23-90J)	4000	1780	400	60	1330



SLS0.5T shown with rope drum



SLS0.5T shown locked together for storage



Shipping Dimensions, both kits contain a Carton on Pallet & Skid with Axle.

Model No.	Dimensions (mm)		Weight (kg)	
	Carton on Pallet	Skid with Axles	Carton on Pallet	Skid with Axles
SLS0.5T	1000 x 200 x 150	2300 x 150 x 120	38	30
SLS1-2T	1400 x 710 x 370	2500 x 180 x 150	90	40
SLS3-4T	1850 x 500 x 550	2500 x 200 x 180	120	50

Cones & Collars available to suit:

Model No.	Axle OD	Cones Model	Collars Model
SLS1-2T	60	DAC-060	DSC-060
SLS3-4T	92	DAC-090	DSC-090

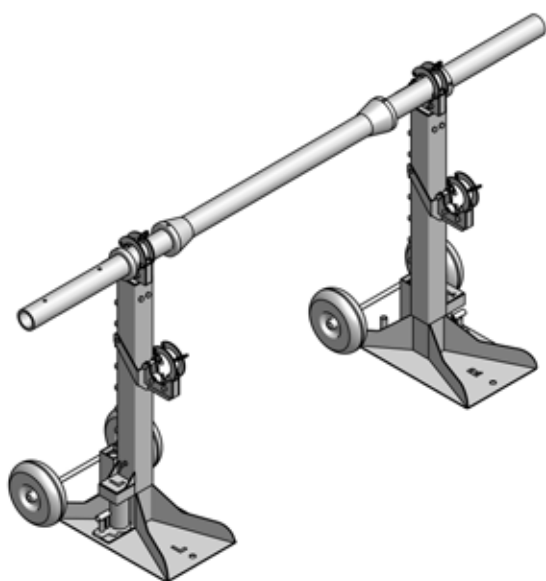
8T HYDRAULIC DRUM JACK STAND MODEL No. DJS-58T

- Durable and sturdy and ready for tough jobs (quality Japanese hydraulic bottle jacks)
- Manoeuvrable and transportable
- Rated plates marked with 8,000kg and supplied with test report
- Supplied standard with 90mm axle (DA28-90HB) 2 cones & 2 collars for securing the drum, special size axles available upon request (refer below)
- Supplied with two jack extensions which gives users an additional 250mm of lift
- Two frontal roller assemblies which slides in 10 x 100mm positions for smaller drums

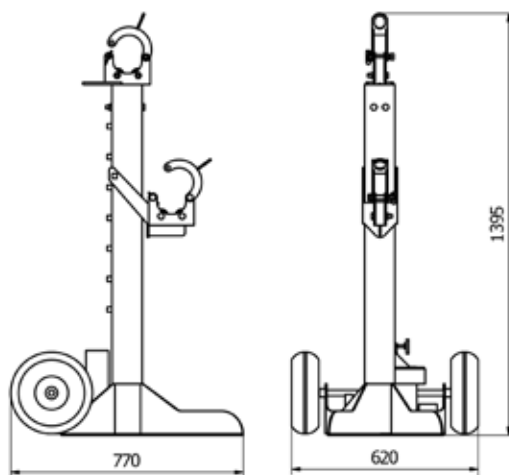
Model No.	Description	Drum Dia mm Max	Drum Width (mm)	WLL Kg
DJSC-58T	HYDRAULIC DRUM JACK STAND WITH BRAKE & FIXING ARM (SEE BELOW)	3300	1800	8000
DJS-58T	HYDRAULIC DRUM JACK STAND	3300	1800	8000

OPTIONAL ACCESSORIES

Model No.	Description	Suits
DB-900	DISC BRAKE (Supplied with below DFA-90)	90mm AXLE DA28-90HB
DFA-90	DRUM FIXING ARM	90mm AXLE DA28-90HB



Max drum size of 3.3m and a transverse of 2m up to 2.4m, with a max of 90mm hollow drum shaft.



BOXED CONTENTS

Qty	Description
2	Bases, Left and Right
2	Upright Middle Arms
2	Front Adjustable Roller Supports
2	Top Roller Supports
2	Bottle Jacks with Handles
2	Wheel Axle with split pins and washers
4	Pneumatic wheel 127mm OD
2	Drum Centering Cones
2	250mm Extension blocks
2	Axle Retaining Collars
1	Instruction sheet
1	Certificate

TRANSPORT DIMENSIONS

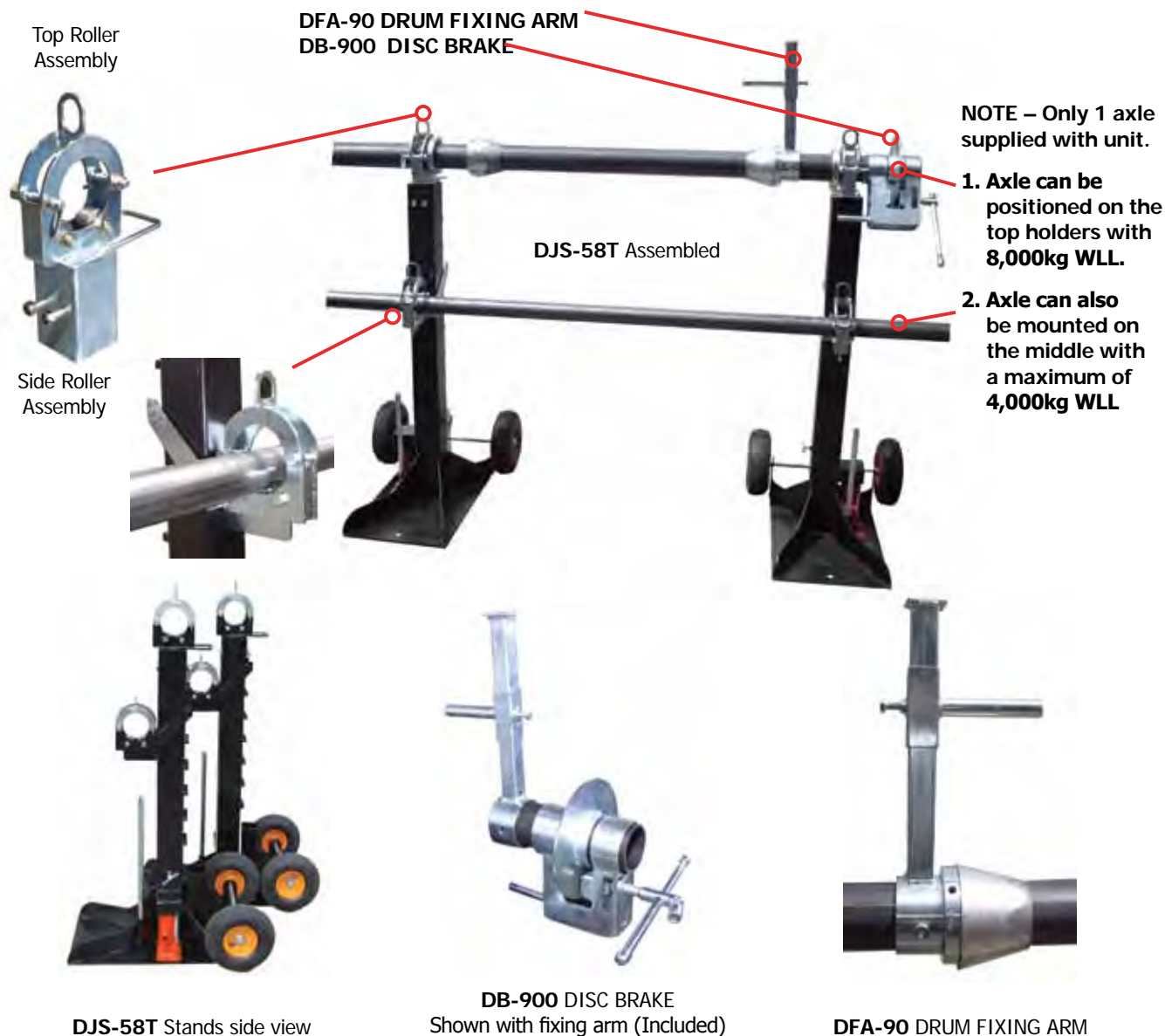
Item	Dimension (cm)	Wt (kg)
Box	110 x 75 x 65	140
Axle	280 x 15 (OD)	56

SPARE PARTS

Model No.	Description
DB200	Spacer – Fits under bottle jack to extend height
MH-7	Bottle Jack - Replacement

8T HYDRAULIC DRUM JACK STAND MODEL No. DJS-58T (CONTINUED)

ACCESSORIES & ALTERNATE AXLES



OPTIONAL AXLE SPECIFICATIONS

Axle Model No.	Drum Axle Cones Model No.	DAC Suits Centre Holes Up to (mm)	Shaft Collars Model No.	Drum Fixing Arm & Brake Model No.	Type	Length (m)	OD (mm)	WLL (Tonne)
DA15-50	N/A	N/A	DCS-050	N/A	Pipe	1.5	50	0.5
DA25-60	DAC-060	105	DSC-060	N/A	Pipe	2.5	60	2
DA25-90	DAC-090	135	DSC-090	N/A	Pipe	2.5	89	4
DA28-40S	DAC-040	105	DSC-040	DB-400	Solid	2.8	40	5
DA28-66HB	DAC-066	105	DSC-066	DB-660	Pipe	2.8	66	8
DA28-70HB	DAC-070	105	DSC-070	DB-700	Pipe	2.8	72	8
DA28-90HB*	DAC-090	135	DSC-090	DB-900	Pipe	2.8	92	8
DA28-90XH	DAC-090	135	DSC-090	DB-900	Pipe	2.8	92	12
DA33-100XH	DAC-100	135	DSC-100	DB-100	Pipe	3.3	100	16

* DA28-90HB axle is included with purchase of DJS-58T package.

TROLLEY WIRE GRIPS (MADE IN JAPAN)

HI-TOOL CO., LTD



Trolley-20



Trolley-30



Trolley-60

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



Feeder-MT20



Feeder-LG30



AL-50KN-GRIP



AL-60KN-GRIP

For Feeder Cable, Bare AL, ACSR Copper Cable

SPECIFICATIONS

Model No.	Specifications						Cable/Conductor Types						Safety				
	WLL (kN)	Min (mm) Ø	Max (mm) Ø	Jaw Length (mm)	Eye Size (mm)	Weight (kg)	Trolley Cable	Wire Rope	Bare Cu & Covered	Guy Wire	Feeder Cable	Bare Al/ACSR	Copper Cable	Safety Latch	Trigger Grip	Spring Latch	Lockable
TROLLEY-20	20	5	22	90	34x43	1.8	✓	✓	✓	✓				✓	✓	✓	✓
TROLLEY-30	30	5	22	90	34x43	1.8	✓	✓	✓	✓				✓	✓	✓	✓
TROLLEY-60	60	8	28	140	43x51	3.5	✓	✓	✓	✓				✓		✓	✓
FEEDER-MT20	20	5	28	120	34x43	1.9					✓	✓	✓	✓	✓	✓	✓
FEEDER-LG30	30	17	35	120	34x43	2.5					✓	✓	✓	✓	✓	✓	
AL-50KN-GRIP	50	18	28	180	43x51	4.7					✓	✓	✓	✓			
AL-60KN-GRIP	60	28	46	220	60x51	7.0					✓	✓	✓	✓			

PATENTED HI-TOOL GRIPS

WIRE GRIPS (MADE IN JAPAN)

HI-TOOL CO., LTD

STANDARD RANGE OF OVERHEAD & ELECTRICAL GRIPS



SPECIFICATIONS

Model No.	Specifications					Cable/Conductor Types										Safety				
	WWL (kN)	Min Cond (mm ²)	Max Cond (mm ²)	Jaw Length (mm)	Weight (kg)	Copper	ACSR	Aluminium	ABC	Covered Conductor	Contact Wire	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	5	4x16 2x16	4x35 2x50	80	0.6				✓							✓	✓			
ABC-M-GRIP	10	4x25	4x95	160	2.4				✓							✓	✓			
ABC-M-GRIP-NS	10	4x25	4x95	160	2.4				✓							✓	✓		✓	
ABC-M-GRIP-S-NS	10	4x25	4x95	160	2.4				✓							✓	✓	✓	✓	
ABC-L-GRIP	18	4x95	4x150	180	2.6				✓							✓	✓			
ABC-L-GRIP-NS	18	4x95	4x150	180	2.6				✓							✓	✓		✓	
ABC-L-GRIP-LK	18	4x95	4x150	180	2.7				✓							✓	✓			✓

* Curved serrated jaw

For more technical details on the above grips refer to SF Electrical catalogue.

WIRE GRIPS (MADE IN JAPAN)

HI-TOOL CO., LTD

Specifically designed for railway applications these patented "twist-grip" feature prevents cable or conductor from getting damaged during the pulling process. This design works especially well with dense or solid conductors or cables.

FEATURES

- All models are fitted with swing down safety latch 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
- PATENTED "twist-grip" feature on models 40KN, AL-50KN, AL-60KN and "one handed trigger grip operation" on smaller models (20-30KN)

WIRE GRIP QUICK SELECTION GUIDE

Every grip is proof tested before shipment to ensure quality, etched with serial number and date of manufacture.

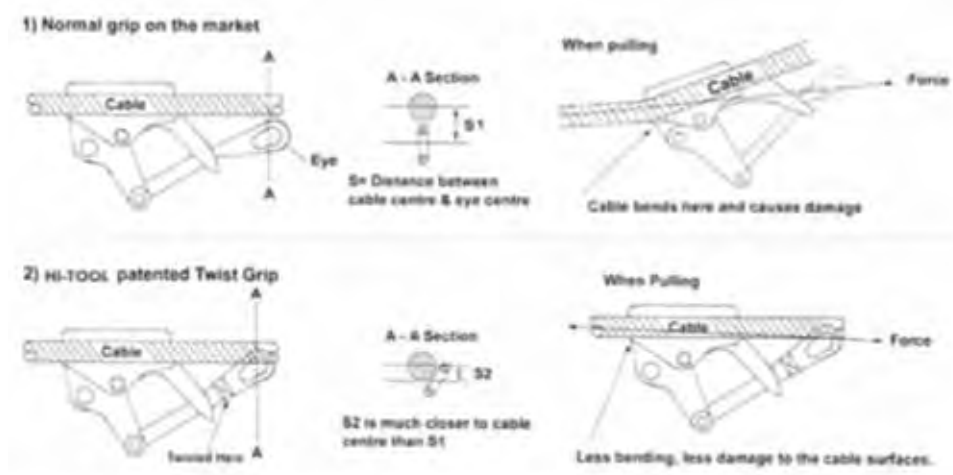
GRIP SELECTION

1. Determine the type of wire or conductor the Grip is to be used on, for example: Trolley Cable, 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 (also refer to winch or puller capacity).

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 avoid slippage and contamination build-up.

Contact your nearest SF branch for more detailed information.

TWIST GRIP FEATURE (PATENTED)



ONE HANDED TRIGGER GRIP FEATURE (PATENTED – SMALLER MODELS ONLY)



PATENTED HI-TOOL GRIPS

WEB STRAP PULLERS (MADE IN JAPAN)

HI-TOOL CO., LTD

**DESIGNED
STRONG,
LIGHTWEIGHT
& COMPACT**

NP-1500

NEX-1500

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



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	15 (Double)	32 x 2	800	1.5 (Double)	4.3
	7.5 (Single)			3.0 (Single)	

RATCHET STYLE WEB-STRAP HOIST

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



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



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;

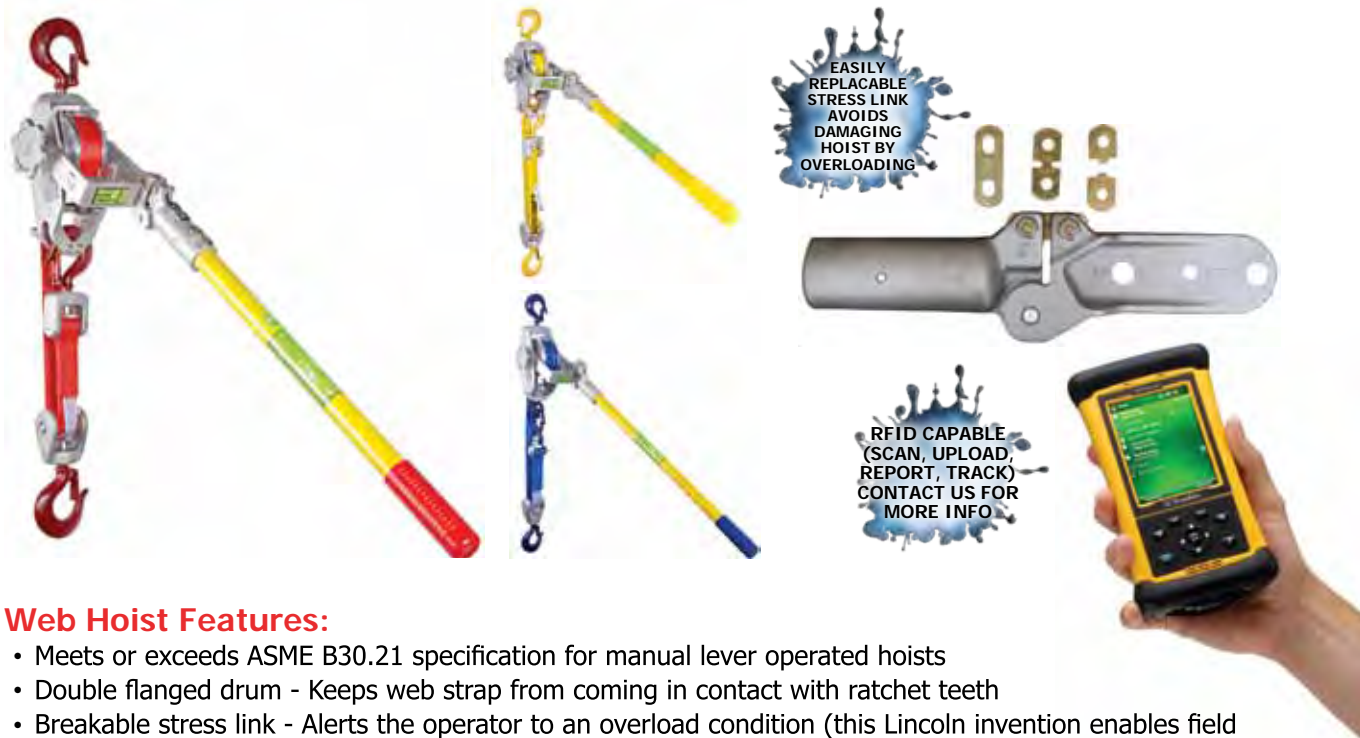
- 1949** Introduced first lever hoist using double interlocking pawls
 - 1964** Patented the first portable hoist with 50 feet of cable
 - 1966** First web strap model introduced
 - 1969** Patented breakable stress link system for use on fiberglass handles
 - 1974** Introduced the first 1240 kg portable 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



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)

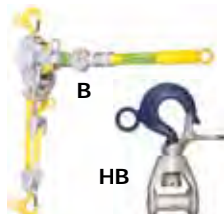
Model No.	Frame Size	Single Line			Double Line			Colour	Web Strap Length x Width (cm)	Handle Length (cm)	Hoist Weight (kg.)
		Cap. (kg)	Single Lifting Distance (cm)		Cap. (kg)	Double Lifting Distance (cm)					
			Min	Max		Min	Max				
2W10L-ANZ-1000	Small	450	45.7	332.7	900	58.4	188.0	Yellow	304.8 x 3	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



ELECTRICAL, WINCHES, STRINGING & CABLE LAYING

www.specialisedforce.com.au



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	14	14
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



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.

Model No.	Description	WLL (kg)	Bottom of Groove X (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

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	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

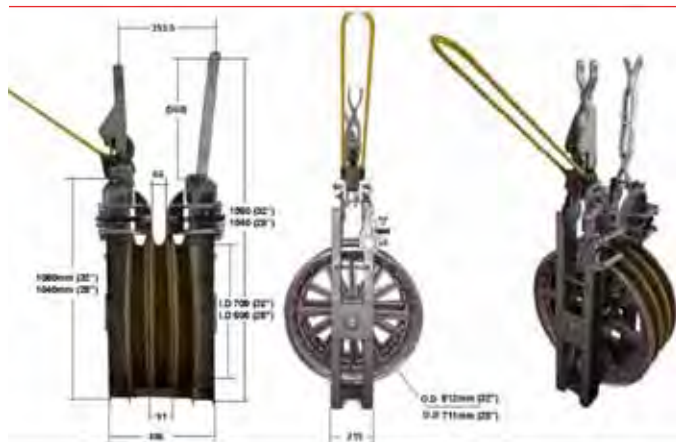
Suspension fittings for suspending rollers with ball-eye socket clevis.

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

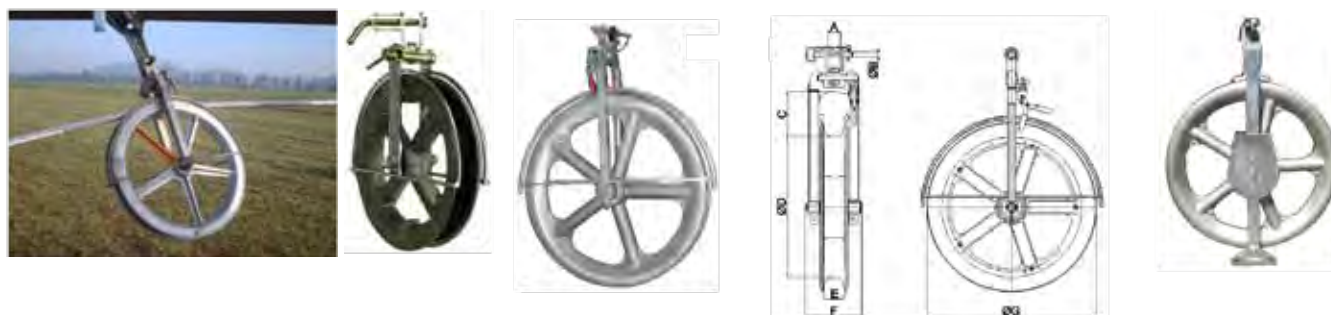
STRINGING ROLLERS ALUMINIUM SHEAVE, URETHANE OR NYLON LINED & HELICOPTER



HELICOPTER BUNDLE STRINGING ROLLERS



SINGLE STRINGING ROLLERS ALUMINIUM OR NYLON & HELICOPTER (MADE IN ITALY)



SINGLE AND MULTIPLE HELICOPTER ROLLERS (MADE IN ITALY)



REFER PAGE 257 FOR SUSPENSION SOCKET FITTINGS



RAILWAY SPECIFIC OVERHEAD ROLLERS (MADE IN AUSTRALIA)



CSR-010

Catenary Stringing Roller, Plastic Sheave



PER-01

Parallel Earth Roller with Plastic Sheave



SCR-01

Single Stringing Contact Roller, Metal Sheave



SCR-02

Double Stringing Contact Roller, Metal Sheave



APB-1100

Roller, Plastic Nylon Sheave 1,100kg WLL

OTHER HANGING ROLLERS



ACB145-60



ABC175-60



ABC66-28



ASCB-080



TRCG-140



CROSSARM ROLLERS



**CARR-080
CARR-140**



FCARR-100



FCARR4-100



**WCAR-100
WCAR-150**



**WCCR-100
WCCR-150**



CASB-800



FIBRE OPTIC ROLLERS



AFG90-2



AFG90-80



AVH-50



AVH-50

INSULATED TREE TRIMMING KITS (MADE IN USA)

ALL OF YOUR TREE TRIMMING NEEDS IN ONE BAG

Open the tool kit bag and you have your choice of tree trimming tools in the length you need, all in a convenient heavy duty vinyl tool bag that offers long wear and maximum protection for the tools.



Model No.	Description	Weight
4141	TREE TRIMMING KIT 1,200mmL x 32mm DIA ROUND FOAM FILLED SECTIONS (electrically tested at factory)	6.8kg
4142	TREE TRIMMING KIT 1,800mmL x 32mm DIA ROUND FOAM FILLED SECTIONS (electrically tested at factory)	8.6kg
Optional		
HF4005	ROPE INSULATOR 860mmL	0.136kg
HF-4010	ROPE INSULATOR 1100mmL	0.136kg



Rope Insulator for up to 33kV
Model No. **HF-4010**

Rope Insulator for up to 66kV
Model No. **HF4005**

Note:

- Manufactured to meet a variety of standards, including ASTM, IEC and OSHA
- Will withstand 100KV per foot
- Doesn't absorb moisture and is very durable

Kit	Qty	Model No.	Description
4141	-	HF546-4	Stick Ext 1.2m
-	4	HF546-6	Stick Ext 1.8m
1	1	HF4125	Cutter Head
1	1	HFA18007	Stick Base Cap
1	1	HFA10012	Adaptor Universal Head
1	1	HFP10046	Universal "S" Hook
1	1	HFA11000	Saw Pruning Universal
1	1	HFA10016	Handle Universal Saw
1	1	HFA30007	Scabbard for Saw
1	-	HF01-020	Carry Bag 1.2m Sticks
-	1	HF01-021	Carry Bag 1.8m Sticks



INSULATED FIBREGLASS STICKS (MADE IN USA)

TELESCOPIC INSULATED MEASURING STICKS

Triangular Insulated Combination Operating/Measuring Stick.

- Open and Close switches, disconnects, line fuses, as well as measure elevated heights.
- Eye level measurement markings, means no calculations required.
Read height is shown at the top of the Base section.
Metric markings are printed in LARGE easy to read numbers.



Model No.	Extended Length (m)	Retracted Length (m)	Vinyl Storage Bag	Weight (kg)
HFMV-25*	7.8	1.6	TE2607	3.7
HFMV-30*	9.2	1.7	TE2607	4.6
HFMV-35*	10.5	1.7	TE2607	5.5
HFMV-40*	12	1.8	TE2608	6.5

*Replacement sections available

Other Measuring and operating sticks available upon request



**Universal Disconnect Hook
(Supplied with Stick)**

INSULATED STICK KITS

Insulated stick kits for opening and closing switches & fuses. Available in 1200 & 1800mm sections.

**Tailor to your requirements



Model No.	Description	Contents	QTY	
HF546-4/KIT	Insulated Stick Kit, 1200mm sections	HF5467-4*	1200mm Extension c/w Sunrise Head	1
		HF546-4*	1200mm Extension	4
		HFP10431*	Universal disconnect hook	1
		HFA10012*	Sunrise adaptor	1
		HFA30002*	Hand Guard	1
		FEH*	Fuse extraction head – pigtail	1
		HF01-020*	Vinyl Carry Case	1
HF546-6/KIT	Insulated Stick Kit, 1800mm sections	HF5467-6*	1800mm Extension c/w Sunrise Head	1
		HF546-6*	1800mm Extension	4
		HFP10431*	Universal disconnect hook	1
		HFA10012*	Sunrise adaptor	1
		HFA30002*	Hand Guard	1
		FEH*	Fuse extraction head – pigtail	1
		HF01-021*	Vinyl Carry Case	1

*Replacement parts are also sold individually. Other sticks KITS available upon request

OVERHEAD STRINGING MACHINERY (MADE IN ITALY)



Suitable for overhead stringing applications in utility (Transmission and distribution lines, etc) and associated industry such as telecommunications and railway. More machines available upon request. Some features and performances of machines are able to be modified on request.

Performances of machines listed are without optional devices, at sea level at a temperature of 20°C. Dimensions and weights are also without optional devices. Information may change without notice due to continual research, development and improvement. Images and drawings are indicative only.



MACHINE FEATURES

Inclusive Reel Winder Option of having the reel winder included as part of the machine which eliminates the need for additional equipment hoses and transportation	Direct Force Readings Force readings do not rely on unreliable sources such as hydraulic circuit pressure	Precise Measurement Specialised equipment for accurate speed and distance measurement
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OMAC Model No.	Type	Capstan OD (mm)	Max Rope (mm)	Power (kW)	Page Ref #	Capacity (kN)
F 280.40.P	PULLER	325	13-16	26.0	F61	40
F 200.AF.45.2	PULL/TENSIONER	1200	16	65.0	F62	45
F 200.AF.75.2	PULL/TENSIONER	1200	18	77.0	F63	75
F 120.AF.45.2	PULL/TENSIONER	1500	16	65.0	F64	45
F 200.AF.90.2	PULL/TENSIONER	1200	18	105.0	F65	90
F 120.AF.90.2	PULL/TENSIONER	1500	18	105.0	F66	90
F 120.AF.150.42	PULL/TENSIONER	1500	4X32	175.0	F67	1x150/2x75
F 105.150.22	PULLER	650	2x28	215.0	F68	150
F 120.150.42	TENSIONER	1500	4x40	64.0	F69	2x75

OMAC HISTORY

Established in 1954 by Mr. Luigi Consonni OMAC now consists of two companies; OMAC s.n.c. designs, produces and commercialises a huge range of machines and equipment suitable for overhead stringing and underground pulling or stringing conductors, wires, cables for electrical utilities, telecommunications and railways. The specialisation of OMAC products includes the stringing of overhead transmission lines as well as the laying of underground conductors, high and low tension, copper and aluminium conductor, as well as the optical fiber (OPGW). OMAC's experience and flexibility of production allows them to customise machines for special purposes, designed on the specific needs and requirements of the customer. The large number of OMAC machines working today in many countries worldwide is a testament to their reliability and quality. Over 40 years of experience in manufacture!



MORE MACHINES AVAILABLE UPON REQUEST
For Wire Ropes, Reels and Drum Stands refer to SF Electrical Catalogue

WRENCHES – STANDARD & UTILITY

DOUBLE SIDED PODGER RATCHET WRENCHES

Model No.	Size (mm A/F)	Opening	Length (mm)
64110	10 x 12	12 POINT	240
64111	11 x 13		240
64114	14 x 15		280
64117	17 x 19		315
64118	18 x 24		360
64119	19 x 24		360
64121	21 x 23		360
64122	22 x 24		360
64124	24 x 30		360
64127	27 x 30		425
64128	27 x 32		425
64132	32 x 36		425
64135	38 x 41		485
64146	46 x 50		485
61624	½" Male to ¾" Male	n/a	400



To order pawl and spring add "R" to the end of the part number (eg. 64117-R)

UTILITY RATCHET WRENCHES

Model No.	Size (mm A/F)	Notes	Length (mm)
61317-6P	13 x 17	6 Point Hex with Acetate Handle for IPC's	180
61317-6PL	13 x 17		280
BY3	17 x 19 x 24 x 30 (4 in 1 spanner)	Ideal for Pole Work	285

#61317-6P



#61317-6PL



#BY3 (Made in Japan)



#19



#30



#24



#17

LIVE WORKING MATS

LV RUBBER MAT

MODEL No.: 181A

DESCRIPTION

1m x 1m x 6mm thick, conforms with AS 2978 Class "A" maximum use 650V. High grade black EPDM rubber, UV resistant, non-slip finish. Each mat individually tested and stamped, certificate available on request. Utilised by electrical workers for standing on when working in front of pits, pillars, kiosks, substations, street light columns, switchboards and panels.



HV RUBBER MAT

MODEL No.: 1813

DESCRIPTION

1m x 1m x 6mm thick, conforms with IEC 61111 Class "3" maximum use 26.5kV. High grade black EPDM rubber, non-slip finish, flexible and light weight. Each mat individually tested and stamped, certificate available on request. Utilised by electrical workers for standing on when working in front of switchboards and panels.



LOW VOLTAGE RESCUE KITS

MODEL No.: 11002

Kit Contains:

- LV Crook
- LED Torch
- Fire Blanket
- LV Rubber Gloves
- "Isolate Here" Tag
- Multi Trauma Dressing
- Storage Bag and CPR Card



DESCRIPTION

Used for safe emergency rescue of victims of electric shock or other injuries on LV switchboards and electrical apparatus. All components meet relevant standards, the crook has been tested to 5KV and the torch is non-conductive.



balmoral engineering

DB SERIES INSULATED HARD LINE COVERS (TIGER TAILS & LION TAILS)



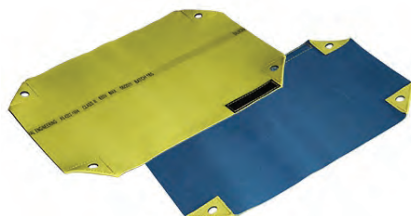
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These line covers (commonly known as Tiger & Lion Tails) are certified to AS4202 and are used for temporary insulation for low voltage live working or additionally on building and construction sites to warn trucks and cranes of overhead power lines. Weather resistant, highly durable and OH&S compliant.

Model No.	Box Qty	Description	Length (m)	Size ID (mm)	Material	Class	Insulation Voltage (VAC)
DB35A	20	Tiger Tails	2.50	35	HDPE	1	650
DB45A	20	Tiger Tails	2.50	45	HDPE	1	650
LS70	10	Tiger Tails	2.00	70	HDPE	1	650
DB35ARB125	20	Tiger Tails	1.25	35	HDPE	1	650
DB35ARB	20	Tiger Tails	2.50	35	HDPE	1	650
DB45B	10	Lion Tails	2.00	45	HDPE	2	15000
DB35B	10	Lion Tails	2.00	35	HDPE	3	26000

LOW VOLTAGE BLANKETS, COVERS & DRAPES



An extensive range of high quality PVC and EDPM compounds utilised by utilities and electrical contractors to provide a temporary electrical insulation barrier during maintenance of pits, substations, switchboards, streetlights, pillars, busbars, transformers and metering.

All items are certified class II to AS4202, rated 650VAC insulation voltage.

Model No.	Description	Length (m)	Width (mm)	Material	Fastening
8008	LV Substation Drape	850	850	PVC	Magnets
9001**	LV Substation Drape	1200	1200	PVC	-
9009**	LV Substation Drape	1200	1200	EDPM	-
9016A	LV Busbar Cover	1000	100	EDPM	-
9017	LV Busbar Cover	600	300	EDPM	-
9018	LV Busbar Cover	300	300	EDPM	-
10007	LV Substation Drape	300	225	EDPM	Eyelets
10008	LV Substation Drape	450	300	EDPM	Eyelets
10009	LV Substation Drape	600	450	EDPM	Eyelets
10010	LV Substation Drape	900	600	EDPM	Eyelets
10011	LV Substation Drape	1800	900	EDPM	Eyelets
10018	LV Pit Cover	1500	1200	PVC	-
10019	LV Pit Cover	1200	900	PVC	-
11000	LV Scaffolding Kit	Multiple	Multiple		Velcro & Pegs
12000	LV Column Insert				Velcro

** Also available in metre lengths

RUBBER GOODS CLEANER



High quality environmentally safe and non-toxic rubber goods cleaner, available in wipe or spray.
Approved for use on Mats & Covers, Gloves & Sleeves

Model No.	Description
RBG-35LR	Spray Bottle (0.95L)
RBG-D72	Tub (72 Wipes)

POLE TOP RESCUE KITS

Model No.	State
11006	NSW*

Pole top rescue kits made to state specifications*. Contains bag, resuscitation chart, body belt/pole strap, knife, rope, 1000V insulated gloves, etc.

* Other state kits available, contact Specialised Force for more information



balmoral engineering



LOW VOLTAGE BLANKETS, COVERS & DRAPES




An extensive range of high quality PVC and EDPM compounds utilised by utilities and electrical contractors to provide a temporary electrical insulation barrier during maintenance of pits, substations, switchboards, streetlights, pillars, busbars, transformers and metering.


All items are certified class II to AS4202, rated 650VAC insulation voltage.

Model No.	Description	Length (m)	Width=W/Drop=D (mm)	Material	Fastening
2001	LV Line Cover	1200	225 D	PVC	Studs
2003	LV Line Cover	1200	225 D	PVC	Magnets
2004	LV Line Cover	1200	225 D	EDPM	Velcro
2006	LV Line Cover	600	225 D	EDPM	Velcro
2009	LV Line Cover	600	450 W	PVC	-
3001	LV Line Cover	1200	300 D	PVC	Studs
3002	LV Line Cover	1200	300 D	EDPM	Velcro
3003	LV Line Cover	1200	300 D	EDPM	Magnets
3004A	LV Line Cover	1200	300 D	PVC	Magnets
3005	LV Point of Attachment Cover	1200	600 W	PVC	-
4001	LV Line Cover	1200	375 D	PVC	Studs
4004	LV Line Cover	1200	375 D	PVC	Magnets
5001	LV Line Cover	1500	225 D	PVC	Studs
5002	LV Line Cover	1500	225 D	PVC	Magnets
5003	LV Line Cover	1500	225 D	PVC	-
5004	LV Point of Attachment Cover	600	450 W	PVC	-
7001	LV Cross Arm Cover	1200	375 D	PVC	Studs
7002	LV Coaxial Catenary Cover	1200	225 D	EDPM	Velcro
7004	LV Cross Arm Cover	1200	225 D	EDPM	Velcro
7008	LV Cross Arm Cover	1200	225 D	PVC	Magnets
8001	LV Fuse Link Cover	600	375 D	PVC	Studs
8002	LV Coaxial Catenary Cover	600	225 D	PVC	Studs
8006	LV Coaxial Catenary Cover	600	225 D	PVC	Magnets
8007	LV Fuse Link Cover	850	850 W	PVC	-
8010	LV Fuse Link Cover	850	700 W	EDPM	Velcro
8016	LV Fuse Link Cover	400	400 W	PVC	Studs




GUY GUARDS

Image	Model No.	Description	Dimensions	Certification
	GG	For Stay & Guy Wires (Not Rated For Electrical Insulation)	2m x 45mm	HDPE

JUMPER WIRE GUARDS

Image	Model No.	Description	Class	Working Voltage (VAC)	Dimensions	Certification
	IPEP	Flexible hose for covering Bonds, Bridges & Jumper Wires	I	650	10m x 35mm	AS4202

PANTHER TAILS

Image	Model No.	Description	Class	Working Voltage (VAC)	Dimensions	Certification
	TPP20	Unique 2 tone design	2	15kV	3m x 20mm	AS4202 – HDPE
	TPP35				3m x 35mm	
	TPP15*		2	15kV	60m x 15mm ROLL	AS4202 EVA
	TPLBL	Label	2	15kV		AS4202

* Installation tool (TPP15-TL) available upon request

WM SERIES LINE WARNING MARKERS & FLAGS

			
3D Eye Ring R/W WM-CS-E-1D-RW	3D Eye Ring B/W WM-CS-E-1D-CP	3D Eye Ring B/Y WM-CS-E-1D-BY	Flag Eye Ring Orange WM-CS-E-1B-O
			
Mini 3D Eye Ring R/W WM-CS-E-1E-RW	Mini 3D Eye Ring B/W WM-CS-E-1E-BW	Mini 3D Eye Ring B/Y WM-CS-E-1E-BY	

FEATURES

- Aerodynamic design, rotates for high impact visibility
- Anti-creep Clamp design
- Installed with standard Live Line Tools
- UV stabilised and tough non-conductive plastics
- Latest technology articulated 3D design
- Premium High – Vis Reflectors
- Eye Ring fitting
- Customised flags or marker options available. Universal clamp fits all lines from 2 - 50mm diameter



All Rights Reserved Patent Pending

Model No.	Product Type	Line Attachment	Hot Stick Attachment	Style of Warning Device	Colour
WM-CS-E-1D-RW	Warning Marker	Clam Shell	Eye Ring	3D	Red/White
WM-CS-E-1D-BW	Warning Marker	Clam Shell	Eye Ring	3D	Black/White
WM-CS-E-1D-BY	Warning Marker	Clam Shell	Eye Ring	3D	Black/Yellow
WM-CS-E-1B-O	Warning Marker	Clam Shell	Eye Ring	Flag	Orange
WM-CS-E-1E-RW	Mini Warning Marker	Clam Shell	Eye Ring	3D	Red/White
WM-CS-E-1E-BW	Mini Warning Marker	Clam Shell	Eye Ring	3D	Black/White
WM-CS-E-1E-BY	Mini Warning Marker	Clam Shell	Eye Ring	3D	Black/Yellow

MODEL No. SH-5PDG HYDRAULIC HAND PUNCH (MADE IN JAPAN)

CAPACITY

- 90mm diameter hole in 3.2mm thick mild steel.
- 40.5 diameter hole in 3.2mm thick stainless steel.

FEATURES

The SH-5PDG is a portable hand hydraulic punch with swivel head for easy access to tight work areas.

DETAILS

- Self-contained hand hydraulic punch
- Ideal for switchboards
- Slim design



SPECIFICATIONS

Model No.	SH-5PDG
Output force (kN)	50
Rotation	2 Way 360 Degree
Case Included	Steel
Weight (kg)	2.4

MILD STEEL PUNCH KIT MODEL NO. SH-5PDGISOMS

INCLUDES:

- 1 SH-5PDG Hand hydraulic punch
- 2 Draw studs (3/8" & 3/4") Model No. 10-04 & 10-05
- 4 Collars/Spacers (Large, Medium, Small, Ex-small)
- 1 Steel carrying case
- 7 Round Punching Dies Shark Brand 16.2, 20.4, 22.5, 25.4, 32.5, 40.5 & 50.8mm Diameter (3 crown style ISO)
- 1 Short Stud Adaptor (3/4" x 3/8") Model No. 10-14

STAINLESS STEEL PUNCH KIT MODEL NO. SH-5PDGISOSS

INCLUDES:

- 1 SH-5PDG Hand hydraulic punch
- 3 Draw studs (3/8", 7/16" & 3/4") Model No. 10-04, 29451 & 29452
- 4 Collars/Spacers (Large, Medium, Small, Ex-small)
- 1 Steel carrying case
- 6 Round Punching Dies Shark Brand 16.2, 20.4, 22.5, 25.4, 32.5 & 40.5mm Diameter (twin cutting edges ISO)
- 1 Short Stud Adaptor (3/4" x 3/8") Model No. 10-14



MODEL No. SH-10 HYDRAULIC HAND PUNCH (MADE IN JAPAN)



CAPACITY

- 104mm diameter hole in 3.2mm thick mild steel
- 63.5mm diameter hole in 3.2mm thick stainless steel

FEATURES

The SH-10 is a hand pump with remote punching head on hose lead for flexibility.

DETAILS

- Ideal for switchboards
- Slim and manoeuvrable design



SPECIFICATIONS

Model No.	SH-10
Output force (kN)	87
Oil Required (cc)	35
Dimensions (mm)	370 (L) x 220 (W) x 130 (H)
Kit Weight (kg)	9.0

MILD STEEL PUNCH KIT MODEL NO. SH-10ISOMS

INCLUDES:

- 1 SH-10 Hand hydraulic punch
- 2 Draw studs (3/8" & 3/4") Model No. 10-04 & 10-05
- 3 Collars/Spacers (Large, Medium & Small)
- 1 Steel carrying case
- 7 Round Punching Dies Shark Brand 16.2, 20.4, 22.5, 25.4, 32.5, 40.5 & 50.8mm Diameter (3 crown style ISO)
- 1 Short Stud Adaptor (3/4" x 3/8") Model No. 10-14



STAINLESS STEEL PUNCH KIT MODEL NO. SH-10ISOSS

INCLUDES:

- 1 SH-10 Hand hydraulic punch
- 3 Draw studs (3/8", 7/16" & 3/4") Stainless Steel Model No. 10-04, 29451 & 29452
- 3 Collars/Spacers (Large, Medium & Small)
- 1 Steel carrying case
- 7 Round Punching Dies Shark Brand 16.2, 20.4, 22.5, 25.4, 32.5 & 40.5 & 50.8mm Diameter (twin cutting edges ISO) 63.5mm Punch & Die Sold Separately
- 1 Short Stud Adaptor (3/4" x 3/8") Model No. 10-14



MODEL No. REC-55PDF BATTERY HYDRAULIC PUNCH (MADE IN JAPAN)

The REC-55PDF is a battery operated punch driver with swivel head for easy access to tight enclosed control or switchboard panels.

The REC-55PDF features a punching capacity of 3.2 mm thick mild steel with 104mm holes and 1.6mm thick stainless steel with 104mm holes.

SPECIFICATIONS

Ram stroke	18 mm
Motor	14.4 VDC
Reservoir capacity	55 cc
Output force	7.5 tonne
Dimensions (mm)	355 x 240 x 75
Weight (kg)	4.4 (inc. battery)

The number of holes per battery charge for 90mm OD hole on 3.2mm steel is approx. 55 with (BP-80LI BATTERY)

Refer pages 271–272 for available punches and dies.

ACCESSORIES

Double moulded carrying case available upon request

ORDERING INFORMATION (Refer page 200 for Battery & Charger details)

MODEL REC-55PDF(BB) Includes: Battery Puncher, Shoulder Strap, Plastic Carrying Case, Draw Studs 3/4" & 3/8", Collars (L, M, S, SS), 1 x Short Stud Adaptor (3/4" x 3/8") 2 Batteries (**BP-80LI**) and 12/24VDC-230VAC Charger (**CH-100**) and case



REC-55PDF

Punches sold separately

MODEL NO. LS100L (BB) BATTERY PUNCH (MADE IN GERMANY)

The 11-Ton LS100L Battery powered Punch Driver from Greenlee is the fastest, most powerful knockout driver available on the market today. Easily punch up to 152.4mm conduit size holes in mild steel and 101.6mm holes in stainless steel. Using integrated smart-technology senses when the punch cycle is complete it automatically shuts off, extending tool life and preventing damage to the punch and die.

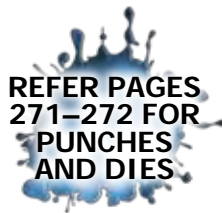
FEATURES

- Up to 2x faster cycle time*
- Powerful 11t punch force
- Compact & ergonomic
- 360° rotating head punches at any angle
- Lightweight at 2.63kg
- "Auto-Stop" avoids damage to punch
- Led light for dark areas
- 18V Li-Ion Makita Battery
- Easy one-handed operation with ergonomic tapered grip
- 8 second maximum cycle time

* Compared to similar competitive products

PUNCHING CAPACITY

Material	Punch Size (mm OD)	Material Thickness (mm)
Mild Steel	12.7-101.6	3.4
	127.0-152.4	2.6
Stainless Steel	12.7-76.2	3.4
	88.9-101.6	2.6



Punches & Draw Studs
Sold Separately

SPECIFICATIONS

Model No.	Kit Contents	Battery	Force (Tonne)	Wt (kg) TOOL ONLY
LS100L(BB)*	Tool, 2 Lithium-Ion Batteries 18VDC & Charger	Makita® 18VDC (Lithium-Ion)	10	2.63

*FOR PUNCHING MILD STEEL UP TO 90mm HOLES ONLY

KIT COMPONENTS

Model No.	Description
03138	LS100 Punch Driver & Case (LS100BB)
52176	Battery 18V Li-Ion 3.0Ah
52179	Charger, Battery Li-Ion 230VAC
20963	Draw Stud 3/8" (3/4") x 122mm Long
10109	Drawstud 3/4" x 136.5mm Long (2113B)
03248	Spacer - Short (1924AA)

ABOVE KIT FOR PUNCHING MILD STEEL UP TO 90mm.
SEE BELOW ACCESSORIES FOR LARGER SIZES AND STAINLESS STEEL

ACCESSORIES

MILD STEEL	
Model No.	Description
03170	Sleeve (1557AA) - For punching holes 102.7 to 161.9mm

STAINLESS STEEL	
Model No.	Description
29451	Draw Stud - For punching holes up to 22.5mm
29452	Draw Stud - For punching holes up to 28.3 to 90mm
00785	Sleeve (1557SS) - For punching holes up to 102.7 to 115.4mm



KNOCKOUT PUNCH & DIES (MADE IN JAPAN)

For use with a hydraulic punch driver. A premium grade of mild & stainless steel punch & dies, both of which are designed to resist wear to ensure accurate holes and long punch life. In Australia they are commonly referred to as chassis punches.



MILD STEEL ROUND PUNCHES

Made from high grade tool steel, our mild steel punches have 3 cutting crown edges and require less force to pull through than 4 crown punches. The 3 edges also provide excellent stability whilst allowing material to be easily removed from the die after punching.

Description	Crown Style Punch	
Type	MILD STEEL/BRASS/ALUMINIUM (Max 3.2mm Thick)	
Round Hole Size (mm)	Model No.	Draw Stud Used
16.2	PD-16.2MS	10-04 OR 30043 – 3/8"
20.4	PD-20.4MS	10-04 OR 30043 – 3/8"
22.5	PD-22.5MS	10-04 OR 30043 – 3/8"
25.4	PD-25.4MS	10-04 OR 30043 – 3/8"
32.5	PD-32.5MS	10-05 OR 03294 – 3/4"
40.5	PD-40.5MS	10-05 OR 03294 – 3/4"
50.8	PD-50.8MS	10-05 OR 03294 – 3/4"
63.5	PD-63.5MS	10-05 OR 03294 – 3/4"



STAINLESS STEEL ROUND PUNCHES

Made from premium grade oil hardened tool steel.

Description	Twin Cutting Edges Cuts Slugs in Half	
Type	STAINLESS STEEL/MILD STEEL/BRASS/ ALUMINIUM	
(Max 3.2mm Thick)	Model No.	Draw Stud Used
Round Hole Size (mm)	Model No.	Draw Stud Used
16.2	PD-16.2SS	30043 – 3/8" (1.6mm Thick)
20.4	PD-20.4SS	29451 – 7/16" (2.5mm Thick)
22.5	PD-22.5SS	29451 – 7/16" (2.5mm Thick)
25.4	PD-25.4SS	29451 – 7/16" (2.5mm Thick)
32.5	PD-32.5SS	29452 – 3/4"
40.5	PD-40.5SS	29452 – 3/4"
50.8	PD-50.8SS	29452 – 3/4"
63.5	PD-63.5SS	29452 – 3/4"



Model No.	Description
PD-SET-MS	Mild Steel Punch & Die Set, Includes 7 Sizes: 16.2, 20.4, 22.5, 25.4, 32.5, 40.5 & 50.8mm
PD-SET-SS	Stainless Steel Punch & Die Set, Includes 7 Sizes: 16.2, 20.4, 22.5, 25.4, 32.5, 40.5 & 50.8mm

SQUARE PUNCHES

Type	BRASS/ALUMINIUM/ETC (Max 3.2mm Thick)	
SQUARE Hole Size (mm)	Model No.	Draw Stud Used *
25.4	PD25.4-SQ	03S0034060 (1/2" X 3/4")
45	PD45-SQ	03S0036060
46	PD46-SQ	03S0036060
68	PD68-SQ	03S0036060
92	PD92-SQ	03S0036060



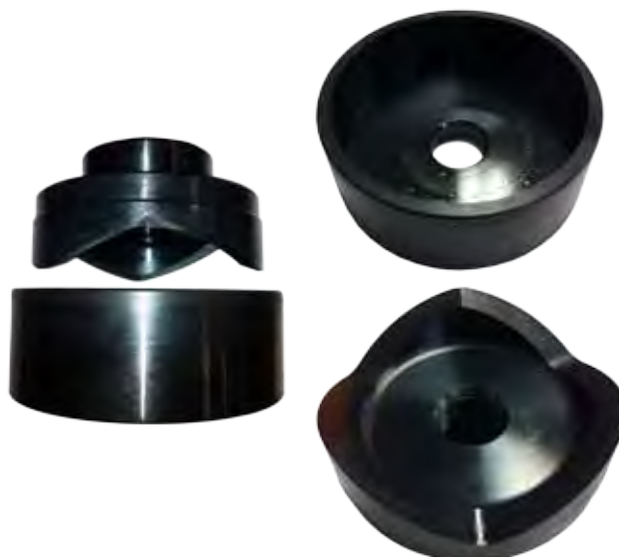
*Note that Square Punches are supplied with Draw Stud

KNOCK OUT PUNCH & DIES (MADE IN JAPAN)



For use with hydraulic punch driver. A premium grade range of punch & dies manufactured from high grade tool steel for mild steel, ensuring accurate holes and long punch life. For mild steel up to 3.2mm thick.

Round Hole Size (mm)	Model No.	Draw Stud Used (UNF)
21.9	16	3/8
20.0	19	3/8
26.3	25	3/8
27.4	22	3/4
32.7	31	3/4
34.2	28	3/4
39.0	39	3/4
42.8	36	3/4
48.7	42	3/4
51.7	51	3/4
60.5	54	3/4
64.4	63	3/4
76.0	70	3/4
77.1	75	3/4
88.8	82	3/4
102.5	92	3/4
115.2	104	3/4



JIM SERIES KNOCK OUT PUNCH & DIES (MADE IN JAPAN)



Riken high quality metal punch and dies are manufactured from hardened fine alloy tool steel. The punches feature three cutting edges that provide stability and reduce damage to cutting edges. Punches have precision designed cutting edges for long cutting life.

106 sizes available in full sizes 15mm-120mm OD (Increments of 1mm)

ORDERING INFORMATION

For quotation or ordering information model numbers use prefix code "JIM" plus "-" and actual size in millimetres "XX"

- For example a 46mm punch and die set will be model no. **JIM-46**
- For example a 115mm punch and die set will be model no. **JIM-115**

PUNCH & DIE SIZE





(mm OD)	Draw Stud Size ("Inches UNF)
15-26	3/8
27-120	3/4

NOTE: Punch and die supplied as set, not available individually. Requires punch unit (manually operated, hydraulic, battery, electric) with draw stud to utilise



DRAW STUDS FOR MANUAL DRIVERS

Replacement Draw Stud Selection Guide. Refer to the pictures and information below when ordering a replacement draw stud.

Mid Section	Circular	Circular	Circular	Circular
Picture				
Model No.	04042	00042	04040	04218
Length (mm)	75.0	41.0	54.0	35.0
OD (mm)	19.0	9.5	19.0	6.4
Thread (UNF)	3/4	3/8	3/4	1/4
TPI (Threads per inch)	16	24	16	20

DRAW STUDS FOR HYDRAULIC DRIVERS

Replacement Draw Stud Selection Guide. Refer to the pictures and information below when ordering a replacement draw stud.



Mid Section	Circular	Circular	Circular	Circular	Circular	Circular	Circular	Circular	Circular
Picture									
		Stainless Steel		Stainless Steel				Stainless Steel	
Model No.	10-04	30043	20963*	29451	10-14^ (ADAPTOR)	31872+	10-05	29452	10109<
Length (mm)	76.0	71.0	120.0	110.0	45.0	114.3	135.0	140.0	136.5
OD (mm)	9.5	9.5	9.5	11.1	19.0 (9.5 INTERNAL)	19.0	19.0	19.0	19.0
Thread (UNF)	3/8	3/8	3/8 (3/4 Bottom)	7/16 (3/4 Bottom)	3/4 (3/8 INTERNAL)	3/4	3/4 (3/8 INTERNAL)	3/4	3/4"
TPI (Threads per inch)	24	24	3/8=24 3/4=16	7/16=20 3/4=16	3/4=16 3/8=24	16	3/4=16 3/8=24	16	16

*Alternative #SMR-3/8x3/4 ^ Alternative #33967 + Alternative # 03294 < Greenlee Model 2113B

DRAW STUDS FOR RATCHET DRIVERS & SPECIAL SQUARE PUNCHES (MADE IN THE USA)



Replacement Draw Stud Selection Guide. Refer to the pictures and information below when ordering a replacement draw stud.

Type	Special Shape Punches						
Mid Section	Hex						
Picture							
Model No.	60116	60117	34421	60115	60166	60118	60167 (ADAPTOR)
Length (mm)	127	127	90	87	117	171	40
OD (mm)	9.5	12.7	9.5	6.3	12.7	19.0	19.0 (12.7 INTERNAL)
Thread (UNF)	3/8	1/2	3/8	1/4	5/8	3/4	3/4 (1/2 INTERNAL)
TPI (Threads per inch)	24	20	24	28	18	16	3/4=16 1/2=20

SPACERS FOR PUNCHING

Replacement spacers for punching. Refer to the pictures and information below when ordering a replacement spacer.

SH-5 & SH-10 PUNCH KIT CONTAINS (REFER PAGE 268)

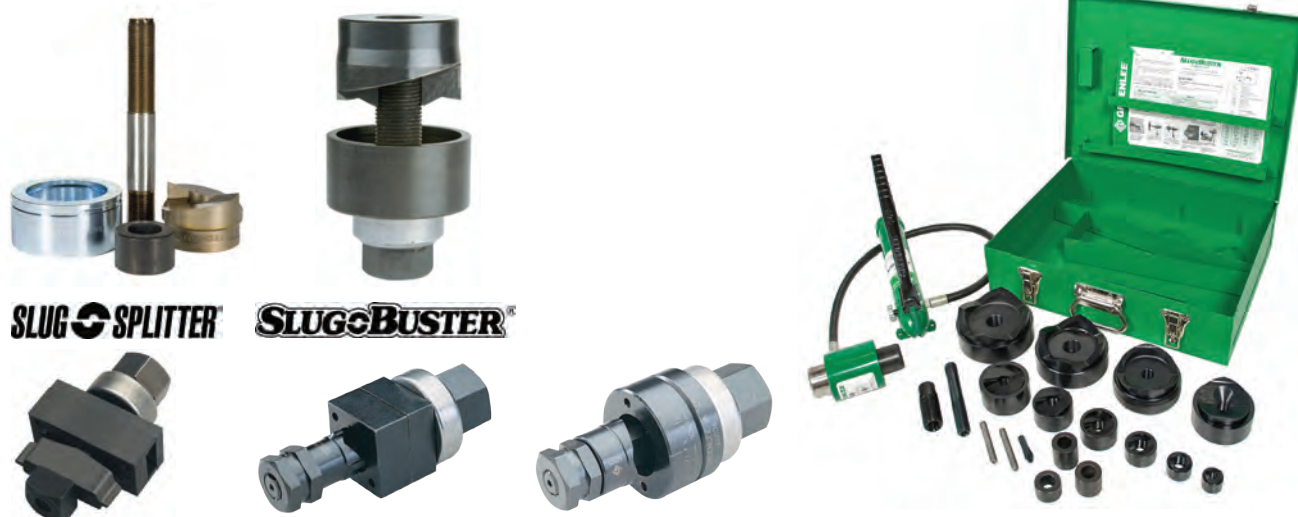
Model No.	Type	Thickness (mm)	SH-10	SH-5
5PDF-48	Extra Small	13		✓
10-03	Small	26	✓	✓
10-02	Medium	31	✓	✓
10-01	Large	38	✓	✓



Spacers suit all brands and models

KNOCK OUT PUNCH & DIES (MADE IN USA)

A wide range of quality punch kits, specialty die and punch sizes available from Greenlee.



MODEL No. SH-70B (MADE IN JAPAN)

FEATURES

The portable SH-70B punch was designed to punch holes through 13mm mild steel, aluminium and copper with a 20.5mm maximum hole.

A stripper guide extends on either side of the ram to strip the material after punching. The stripper guide also clamps the punch into place to free operators hands for safety.

The SH-70B comes complete with four sets of Mild Steel punch and die sizes, 10.5mm, 13.5mm, 17.5mm and 20.5mm. This powerful punch has a new designed support stand, comes with a 70E-08 cap nut tightening pin and steel carrying case.

Keyed shaft facilitates slotted and squared punches.

SPECIFICATIONS

Model No.	SH-70B
Operating Pressure (bar)	700
Output force (kN) @ 700bar pressure	304
Oil Required (cc)	82
Throat Depth (mm)	70
Dimensions (mm)	360 (H) x 210 (W) x 95 (D)
Weight (kg)	14
Material Thickness (mm)	13



IZUMI



**IDEAL FOR
TRANSMISSION
TOWERS**

ELECTRICAL, WINCHES, STRINGING & CABLE LAYING

PUNCH & DIES

Refer below table for punch and die kits available, some half sizes are stocked and are available upon request.

20.5mm is the maximum hole size and 6mm is the minimum hole size.

Suffix "ST" is for Steel and "CU" is for Copper

Model No.	Description	Model No.	Description
SH-70B6PDCU	6MM PUNCH AND DIE CU	SH-70B14PDCU	14MM PUNCH AND DIE CU
SH-70B6PDST	6MM PUNCH AND DIE ST	SH-70B14PDST	14MM PUNCH AND DIE ST
SH-70B7PDCU	7MM PUNCH AND DIE CU	SH-70B15PDCU	15MM PUNCH AND DIE CU
SH-70B7PDST	7MM PUNCH AND DIE ST	SH-70B15PDST	15MM PUNCH AND DIE ST
SH-70B8PDCU	8MM PUNCH AND DIE CU	SH-70B16PDCU	16MM PUNCH AND DIE CU
SH-70B8PDST	8MM PUNCH AND DIE ST	SH-70B16PDST	16MM PUNCH AND DIE ST
SH-70B9PDCU	9MM PUNCH AND DIE CU	SH-70B17PDCU	17MM PUNCH AND DIE CU
SH-70B9PDST	9MM PUNCH AND DIE ST	SH-70B17PDST	17MM PUNCH AND DIE ST
SH-70B10PDCU	10MM PUNCH AND DIE CU	SH-70B18PDCU	18MM PUNCH AND DIE CU
SH-70B10PDST	10MM PUNCH AND DIE ST	SH-70B18PDST	18MM PUNCH AND DIE ST
SH-70B11PDCU	11MM PUNCH AND DIE CU	SH-70B19PDCU	19MM PUNCH AND DIE CU
SH-70B11PDST	11MM PUNCH AND DIE ST	SH-70B19PDST	19MM PUNCH AND DIE ST
SH-70B12PDCU	12MM PUNCH AND DIE CU	SH-70B20PDCU	20MM PUNCH AND DIE CU
SH-70B12PDST	12MM PUNCH AND DIE ST	SH-70B20PDST	20MM PUNCH AND DIE ST
SH-70B13PDCU	13MM PUNCH AND DIE CU	SH-70BPDCU	COPPER PUNCH & DIES COMPLETE SET ONLY
SH-70B13PDST	13MM PUNCH AND DIE ST	SH-70BPDST	STEEL PUNCH & DIES COMPLETE SET ONLY

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CABLE PREPARATION TOOLS - CABLE STRIPPERS (MADE IN EUROPE)

intercable

High quality Italian range of stripping tools and accessories, for more technical detail



AV6220	AE6210	AV3920	AE6200	17220	17240	17230
Universal	Outer Sheath	Insulated Knife	Insulated Wire	Semi-Conductor Screen Removal	Chamfer	Internal Insulation Cutting

SPECIFICATIONS

Model No	Description	Applications	Cable Capacity (mm)	Thickness (mm)	Notes	Wt (kg)
AV6220	Universal	LV, MV, Telecommunication	25+	0-5	Insulated Version Available	0.2
AE6210	Outer Sheath	LV, MV	25-60	0.5-5	Kit w/Bag & Knife	0.9
AV3920	Insulated Knife	All	N/A	N/A	1,00VAC Insulated	0.2
AE6200	Insulated Wire	Live Wires	2.5/4/6mm ² 10mm Cross Section		1,00VAC Insulated	0.2
17220	Semi-Conductor Screen Removal	MV & HV Vulcanised Semi-Conductor Screen	10-52	0-1.5	Kit w/Gel, Wrench & Case	0.8
17240	Chamfer	MV	15-60	N/A	2 x 60°, 220mm Max Rotation	0.4
17230	Internal Insulation Cutting	MV 6-45kV	15-52	0-15	5 Step Feed, 220mm Max Rotation	1.0

CABLE STRIPPING TOOLS (MADE IN AUSTRALIA)



IR	HCS40	HSCS1342
Universal "D" Ripper Stripper	Sheath, Scoring & Insulation Remover	Semi-Conductor Stripper



CABLE PREPARATION TOOLS – CABLE STRIPPERS (MADE IN ITALY)

High quality American range of stripping tools and accessories



1542-2CL

Insulation Stripper



1700

Adjustable Blade Scorer



CT-1

Chamfer Tool



CT-2

Large Chamfer Tool

SPECIFICATIONS

Model No	Description	Applications	Cable Capacity (mm)	Notes
1542-2CL	Insulation Stripper	Remove PE, XLP, EPR from HV	12.7-44.5	Variations available
1700	Adjustable Blade Scorer	HV	12.7-50.8	Blade variations available
CT-1	Chamfer Tool	Terminations	12.7-34.9	-
CT-2	Large Chamfer Tool	Terminations	24.1-69.9	-