



THORNE &  
**DERRICK**  
INTERNATIONAL

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*More Than 40 Years Service to Industry*



Cable Drum  
Trailers

Cable Pulling  
Winches

Cable Laying  
Accessories

Suppliers of Cabling Equipment  
Around the World

# Company Profile

S.E.B. International was originally founded in 1970, and rapidly gained an enviable reputation as designers and builders of specialist plant transporter trailers of well engineered heavy duty construction, serving the UK Civil Engineering and Allied Industries.

Due to ever increasing customer demand, later years saw the company expand their activities into the design and manufacture of Cable Laying Trailers and associated equipment which to present day represents the vast proportion of its production facilities and services.

As illustrated in this brochure it is our belief that we are now probably one of the leading manufacturers and suppliers of equipment of this type within the UK and overseas, offering a comprehensive range of products whilst still importantly retaining the flexibility to consider design and build of individual client special requirements.

Our units are being exported and operated in many parts of the global market, including the Middle East, Europe, Scandinavia, Turkey, Bahamas, Cyprus, Africa, India and the Far East and Australia.

Typical Examples are:

British Telecom UK	Dubai Electricity & Water Authority	Electricity Supply Board EIRE
Bechtel Inc	Bravo Beijing - China	Siemens AG
Batelco - Bahrain	ABU Dhabi Water & Electricity	Cyprus Electricity Authority
Etisalat UAE	Scottish & Southern Energy	Secco - Saudi Arabia
Prysmian Cables	Balfour Beatty	UTS Kent
Hyundai Engineering	Kentz Saudi Arabia	Emirates Technical Associates (ETA)
Bahwan Engineering Co. (BEC) Oman	Consolidated Contractors - Middle East	Carillion PLC

# Mission Statement

S.E.B. International Ltd is a company constantly monitoring and developing its range of equipment and services in order to satisfy customer requirements

Our aim is to provide high quality products, reliable in service that offer good value for money to our clients.

We endeavour to employ conscientious personnel both in our design and manufacturing processes in our efforts to produce products to give long lasting and troublefree 'in service life'.

# After Sales Service - Spares & Refurbishment

S.E.B. International consider it of vital importance that in case of breakdown, our clients' needs are given high priority; and to this end our company normally stocks some 2500 spare items to ensure speedy despatch whenever possible.

As an additional service we can offer 'in house' repair, refurbishment and routine maintenance facilities for cabling equipment both of our own manufacture and others, which could involve major rebuilds on the trailer chassis, suspensions, lighting and hydraulic systems etc.

This service is backed up in many cases inclusive of final testing and re-certification on completion of work done.

We also offer training on all SEB products, either on site or at SEB's premises.

# Contents

Cable Trailers - Highway Range	4
Cable Trailers - Site Range	5
Cable Trailers - Site Range - Adjustable Width	6
Optional Extras - Cable Drum Trailers	7
Cable Pulling Winches - Power Cables	8
Cable Pulling Winches - Power Cables	9
Cable Pulling Winches - Telecommunications	10
Cable Pulling Winches - Lightweight Cabling	11
Cable Pusher	12
Cable Drum Lifting Jacks	13
Cable Rollers - Trench Application	14
Cable Rollers - Trench Application	15
Conduit Rod	16
Conduit Rod Accessories & Pit Lifters	17
Cable & Duct Pulling Accessories	18
Cable Rollers & Guides for the Duct	19
Duct Equipment	20
Duct Equipment	21
Hydraulic Cable Cutter	22
Cordless Hydraulic Crimping Tool	23
Cable Avoidance Tools	24
Cable Drum Handling	25
Cable Laying in Ducts	26
Cable Laying in Open Trench	27

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# CABLE DRUM TRAILERS - Highway Range

Manufactured to European whole vehicle type approval specification

CD60 Cable Drum Trailer



All of the Cable Trailers described below are equipped with braking and road lighting systems to conform to the relevant European type approval specifications and are designed to travel fully laden at road speeds indicated on all European highways. Our full range of highway cable drum trailers and trailer mounted winches can now be used within all European countries without the need for additional individual country inspections and approval.

Rear of CD60 Cable Drum Trailer



For safe and easy drum handling, all SEB Cable Drum Trailers are fitted with hydraulic hand pump operated lift/lower systems as standard. When the drum is fully raised mechanical locks ensure drum security in transit. See separate page for details of additional options available.

All Highway Cable Trailers are fitted with rear bumper bar as shown.

(detailed specifications can be provided on request)

Trailer Model	Payload (Approx.)	Gross Vehicle Weight	Max. Drum Width	Drum Dia. max/min	Spindle Dia.	Tow Eye/ Coupling Height Unladen	Trailer Width	Towing Speed	Tyres	Brake System
SINGLE AXLE										
CD20	830Kg	1100Kg	1075mm	1070/570	50mm	50/600	1925	100Kmh	155x80R13	Overrun Auto reverse
CD32	1200Kg	1600Kg	1375mm	2100/700	50mm	50/560	2310	100Kmh	175x14	Overrun Auto reverse
CD40	1500Kg	2000Kg	1250mm	2200/750	50mm	50/600	2200	100Kmh	195x14	Overrun Auto reverse
CD60	2430Kg	3150Kg	1280mm	2500/1060	76mm	50/600	2285	100Kmh	215/75R17.5	Overrun Auto reverse
CD70	2770Kg	3500Kg	1280mm	2500/1060	76mm	50/600	2285	100Kmh	215/75R17.5	Overrun Auto reverse
PT60	2380Kg	3150Kg	1710mm	3200/1420	76mm	50/700	2520	100Kmh	215/75R17.5	Overrun Auto reverse
PT 70	2720Kg	3500Kg	1600mm	3200/1420	76mm	50/700	2545	100Kmh	215/75R17.5	Overrun Auto reverse
CD130	5350Kg	6650Kg	1470mm	2860/1360	76mm	40DIN/685	2550	100Kmh	11.00x22.5	2 Line Air / Mech. C/W ABS
CD140	5085Kg	6650Kg	1600mm	3800/2000	89mm	40DIN/650	2550	100Kmh	11.00x22.5	2 Line Air / Mech. C/W ABS

NOTE:

- 1) All Drum widths stated are with drum locking collars fitted to spindles.
- 2) These trailers constitute our standard/popular range. However if there is not a trailer listed to accommodate your drum size and weight then please do not hesitate to contact us.

# CABLE DRUM TRAILERS - Site Range

CD700 Cable Drum Trailer

Designed and supplied specifically for "Off Road Use", these Site trailers are all fitted with some form of brake system, hand parking facility and basic vehicle lights. Although not built to conform with EEC braking/lighting directives certain Non EEC countries have operated these units on the highway under the proviso that Towing speeds indicated must not be exceeded at full rated payload. All units incorporate the same drum handling features and in some cases additional options as the Highway range.



CD980s Cable Drum Trailer



As drums of Cable get larger and heavier to reduce the number of joints in the cable, the SEB range of Site trailers has expanded to accommodate drum sizes of up to 3700mm wide and 5000mm dia with a maximum payload of 50000Kgs.

Trailer Model	Payload (Approx.)	Gross Vehicle Weight	Max. Drum Width	Drum Dia. max/min	Spindle Dia.	Tow Eye/ Coupling Height Unladen	Trailer Width	Towing Speed	Tyres	Brake System
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## SINGLE AXLE

CD60S	3000Kg	3750Kg	1280mm	2500/1060	76mm	50/600	2285	40kmh	215/75R 17.5	Overrun
CD130S	7250Kg	8550Kg	1470mm	2860/1360	76mm	76/685	2550	25kmh	11.00x22.5	Overrun
CD130PSH	8000Kg	9300Kg	2050mm	3500/1850	76+89mm	76/685	3170	20kmh	11.00x22.5	Overrun
CD140S	7000Kg	8600Kg	1600mm	3800/2000	89mm	76/650	2550	25kmh	11.00x22.5	Overrun
CD210S	8000Kg	9850Kg	2000mm	3500/2200	89mm	76/650	3200	25kmh	315/70Rx22.5	2 Line Air
CD250S	10000Kg	11900Kg	2000mm	3500/2200	89mm	76/650	3200	15kmh	315/70Rx22.5	2 Line Air

## TWIN AXLE & MULTI AXLE

CD310S	12000Kg	15400Kg	2400mm	4540/2400	101mm	76/650	3660	25kmh	11.00x22.5	2 Line Air
CD360S	15000Kg	18400Kg	2400mm	4540/2400	127mm	76/650	3660	16kmh	11.00x22.5	2 Line Air
CD480S	18000Kg	21500Kg	2400mm	4600/2500	127mm	76/850	3670	20kmh	315/70Rx22.5	2 Line Air
CD500S	20000Kg	23500Kg	2400mm	4600/2500	127mm	76/850	3670	15kmh	315/70Rx22.5	2 Line Air
CD700S	30000Kg	35000Kg	2400mm	4800/2700	152mm	76/1100	3820	10kmh	14.00x24	2 Line Air
CD900S	40000Kg	47750Kg	2800mm	5000/2900	152mm	76/ Pivot Type	4270	10kmh	14.00x24 Main Axle 295/60 Bogie	2 Line Air
CD980S	50000Kg	58750Kg	2800mm	5000/2900	152mm	76/ Pivot Type	4270	10kmh		2 Line Air

### NOTE:

1) All Drum widths stated are with drum locking collars fitted to spindles.

2) These trailers constitute our standard/popular range. However if there is not a trailer listed to accommodate your drum size and weight then please do not hesitate to contact us.

# CABLE DRUM TRAILERS - Site Range - Adjustable Width

## Adjustable Width Cable Drum Trailers



The SEB range of Adjustable Width Cable Drum Trailers are designed to cope with the ever increasing size of Cable Drums, High Voltage cables are being laid underground instead of over headlines. The cables are being supplied as longer lengths, thus allowing for a reduction in the number of joints needing to be made, however this is having a major impact on the size of the drums.

Due to the increase in width & diameter of these drums, it is becoming increasingly difficult for the standard range of cable trailers to cope, as the drums are just too wide, however, the adjustable width range of trailers ensures the trailers can be transported to site and then widened to accept the relevant drum sizes.

Our range of hydraulically adjustable

trailers are available from 20,000kg to 50,000kg capacity and due to the design, the trailers can be supplied to accommodate various different drum widths and weights, thus providing you with one trailer which could potentially carry different drums on the same site.

- The adjustable width section is hydraulically operated, with the controls being placed at the stationary front section of the trailer.
- A Hydraulically operated Jacking System, elevates the trailer, to allow the sides to extend & retract
- You select the width drum you are going to utilise and then insert a pin at the correct point to secure the chassis for use.
- The drum drive system is attached to the main sides of the trailer and thus widens and retracts with the trailer itself.
- The controls for the drum drive system and power lift units will be located at the rear of the trailer.

## Cable Drum Stand with Optional Drum Drive

This unit has been specifically designed to meet the needs of contractors where the necessity or the ability to have a Cable Drum Trailer is simply not practical.

Available with either a fixed spindle (shown), i.e. drum loaded by external means, or supplied self sufficient in lifting and lowering as used on standard Cable Drum Trailers in our range.

The unit comes with a range of options to suit most applications for both the Utility and Rail industries.

Diesel, Petrol, Electric or PTO Drum Drive system for ease of cable payout, unit can be pendant controlled.

Bolt holes or twist locks for mounting to the floor of a vehicle.

Turntable mounted which allows for 360 degrees of axis movement for total flexibility when solid mounted.

Designed and manufactured to suit clients requirements.



## OPTIONAL EXTRAS - Cable Drum Trailers

### Drum Drive / Power Lift Units

Diesel or Petrol engine Powered Cable Drum drive unit to assist in paying out or taking up the cable. This unit also provides powered lift of the drum.

The drum drive can be applied by either Hydraulic Rams (as shown) or by hand winches fitted at the rear of the trailer, and while the standard drum drive system incorporates Power Lift of the drum and gravity lower, we can provide you with Powered Lift and Lower of the drum if required and specified

Note. Fitment of the drum drive reduces the payload of the trailer (Consult SEB).



### Adjustable Height Drawbar

Available on our full range of highway trailers, winches and site only trailers. A useful acquisition where a variety of vehicles with different tow heights can be used to tow the same trailer.



### Extension Slide

Makes the trailer more versatile, enabling it to handle smaller diameter drums. Slides can be supplied loose or mounted on the trailer chassis.

Note:

- a) Capacity of Extension Slides are limited to 25% of trailer rated payload.
- b) Fitment will reduce the width of drum space available. (Consult S.E.B.)



### Drum Brake

Mechanical or hydraulic friction brake for overhead stringing operations or other applications where tension is to be maintained on the cable.

Note: fitment of the brake device will reduce the width of the drum space available. (Consult SEB)



### Led Lighting

Full LED lighting systems can be installed to our full range of Cable Trailers and Trailer Winches, the LED's would be supplied as 12/24 Varivolt, so will function when being towed by both vans and trucks, thus improving the potential utilisation of your fleet.



### Flashing Beacons

Flashing beacons can be installed to all Cable Drum Trailers for additional visibility and improving the safety and use of the equipment while on-site.



Full details of any of the above can be supplied to match the particular trailer you require.

# CABLE PULLING WINCHES – Power cables

**Types: TCW3000 - TCW4000 -  
FW3000 - TW5000**

A range of Trailer mounted Cable Pulling Winches required for the installation of Power Cables where high pulling tensions are required.

All of the units are designed with the operator in mind. Simple in operation and robustly engineered, these units are fitted with heavy duty diesel engines powering hydraulic transmission for smooth controlled pulling, and are fitted with a console mounted line tension indicator so that at all times the operator has a visual display of the pulling force applied. All of the Winches can be quickly pre-set so they do not exceed the required pulling tension.

## Technical Specification

Power Unit	Water cooled Diesel engine. Rated at 17.75Kw.
Main Drive System	Twin Grooved Capstan.
Rewind Drum Drive	Hydraulic driven for rope tension.
Cable Pay Out	Via hydraulic system - powered.
Pull Load Indicator	Electronic display system.
Oil Cooler	Fitted with thermostat fan.
Rope Capacity	750 mtrs. x 10mm dia rope. (Europe & UK) 1000mtrs. x 10mm dia rope (Export)
Rope Layering	Automatic spooling via scrolled shaft layering arm.

### TCW3000

Rope Pull/Speed	No Load/Payout - 50mts/min approx. 3.0 tonne      12 mtr/min approx.
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### TCW4000

Rope Pull/Speed	No Load/Payout - 25mts/min approx. 4.0 tonne      10 mtr/min approx.
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**Types: TCW3000 3 Tonne Winch  
+ TCW4000 4 Tonne Winch**

This SEB winch is fitted with a fully enclosed steel canopy and in conjunction with the water cooled engine ensures the noise level is kept to a minimum. An electronic control system allows you to pre-set the required tension and also monitor the length of cable pulled.

Transmission guard shown is standard for UK only.



### FW3000 3 Tonne Winch

This is our 3 tonne capacity single capstan winch and is a great asset to any Multi Utility business. It is fitted with a free spooling payout system which makes it a one man only operation. The unit is fitted with a pull load indicator with read out via dial gauge.

## Technical Specification

Power Unit	Diesel engine. Rated at 13Kw. At 3600 RPM
Main Drive System	Single Capstan.
Rewind Drum Drive	Hydraulic driven for rope tension.
Cable Pay Out	Free spooling
Pull Load Indicator	Dial gauge for pressure / tonnes pull
Oil Cooler	Fitted with thermostat fan.
Rope Capacity	400 mtrs. X 10mm dia rope. (Europe & UK) 500 mtrs. X 9mm dia rope. (Export)
Rope Layering	Free moving layering arm (mounted under rewind drum)
Rope Pull/Speed	0.5 tonne      30 mtr/min 1.5 tonne      22mtr/min 3.0 tonne      7 mtr/min



## CABLE PULLING WINCHES - Power cables



**TW5000 5 Tonne Winch**

The TW5000 is currently our largest line pull winch, and utilises the Twin Capstan design as a way of developing the required tension. The winch is a single axle and therefore easy to manoeuvre. It is fitted with a pull load indicator via the dial gauge and obtains its power from a twin cylinder diesel engine.

### Technical Specification

Power Unit	Diesel Engine Rated 19.1Kw at 3000RPM
Main Drive System	Independently driven twin Grooved Bull Wheels.
Rewind Drum	Hydraulically Driven for Rope Tension.
Cable Payout	Via Hydraulic System. - Powered
Pull Load Indicator	Via Dial Gauge for Pressure/Tonnes Pull.
Oil Cooler	Fitted with Thermostatic Fan.
Rope Capacity	1000mtrs x 13mm dia Rope.
Rope Layering	Free Moving Layering Arm.
Rope Pull/Speed	No Load/Payout - 28mtrs/min 5.0 Tonne - 12mtrs/min

### DATA LOG

#### Electronic Recorder

An electronic recorder with digital display and printout which combines a high level of technical specification with ease of operation. It is designed to stop winching operations if pre-selected pulling tension is achieved, thus preventing possible damage to the cable. The recorder is available on our TCW, FW & TW range of power cable pulling winches and provides a combination of pulling tension, meterage, and time. There is also the option to download data via a Micro-SD card, which then displays the data in a standard Microsoft Excel format.



## Canopy

Although some of our winches do not come with canopies as standard PVC canopies are available for both the FW3000 and the TW5000 as optional extras, the model shown is the FW3000. The canopies can be available in different colours to match your corporate images and we are also able to sign write the canopies to provide you with free advertising while the unit is in transit. While the winch is in operation the canopy should be held in the up position by the catches as shown. Please enquire for further details and prices.



Also available as optional extras for our full range of winches are Trench Booms, Adjustable Height Tow Bars and Special Rope Lengths.

## CABLE PULLING WINCHES - Telecommunications

Designed to keep up with the fast moving telecommunications industry these Winches were developed to meet the requirements for both the installation of delicate Fibre Cables where low pulling tensions are necessary and also for the more heavier Copper Cables. Other installation applications are coaxial cable, sub duct and even in certain conditions H.V Cables.

### Technical Specification

Line Tension	500Kg (760mm diameter capstan) for fibre optic cables.
Line Tension	1000Kg (380mm diameter capstan) for sub duct and general cabling.
Rope Speed	55mtrs / minute 760mm capstan 26mtr / minute 380mm capstan

Console mounted line tension indicator with Pre-set limiting facility. Available with either 13hp Petrol or Water Cooled Diesel Engine.  
Emergency stop device fitted as standard.



### AW 1000 Assist Winch

The AW1000 Assist Winch is designed as a versatile multi-purpose winch, which can be used for the installation of Fibre Optic Cable, Sub Duct and also for pulling the bond back through the duct or trench.



### CW 3000 3 Tonne Winch

The CW3000 Winch is designed to pull Telecommunications cable as well as general cable and sub duct. The unit operates the tried and trusted method of a single capstan drive system which is now synonymous with the Telecommunications industry, the capstan is driven by a fixed displacement hydraulic motor. The cast alloy capstan is fully guarded and is fitted with a limit switch as standard which is activated and stops the capstan rotating as soon as the guard door is opened. Situated directly under the capstan is a swivelling diverter pulley to enable horizontal pulls to be made.

### Technical Specification

Line Tensions	3000Kg Maximum
Line Speed	0-12 Mtrs / Minute Variable @ 3000kg 0-30 Mtrs / Minute Variable @ 1000Kg
Engine	15.5Hp Water Cooled Diesel Engine
Controls	Electrically operated directional controls

Safety Emergency stop buttons and limit switch to the rear guard .  
The winch is supplied as standard with the GRP Canopy

# CABLE PULLING WINCHES - Lightweight Cabling

## EP1 Electric Cable Pulling Winch

The Cable Puller provides the perfect solution to installing long or heavy lengths of cable in difficult locations. It reduces the manpower hours required to meet installation deadlines, and is safer and faster.

- Unlimited length of pull and choice of rope speed
- Compact, lightweight and portable
- 110V or 240 V AC model for internal use in buildings and tunnels
- Reverse rotation for controlled release at high loads



CABLE PULLER	Small Drum	Large Drum
Max Drum Weight Kgs	2500	1500
Rope Speed (m/min)	2.5	4.0
Dimensions (mm)	L. 655 x W. 550 x H. 400	
Weight (kg)	95	

### Accessories included:

Detachable Rope Storage Drum as Shown (larger drum available as an option)  
 Deadman Foot Control with 2m Cable 2 x Tie Down Shackles

## PP1000 - Portable Twin Capstan Winch

Safe, infinitely controllable pulling winch with variable speed from hold, through creep to full speed of 25mtrs per minute. Ideal for pulling cables through ducts, in difficult locations. Reliable, easy to start Honda 5.5Hp engine with a centrifugal gearbox driving the main capstan gearbox and aluminium capstans through a flexible coupling.



### Technical Specification

Pulling Capacity - 1000kgs  
 Twin Capstans - 100mm Dia  
 Honda Petrol Engine - 5.5Hp (4kw) 4 stroke  
 Base Construction - Anodised Aluminium Fabrication  
 Anchor Points - Fitted tested shackles  
 Engine Speed Control - Throttle Lever  
 Load Retrieval Speed - Creep to 25m per minute  
 Dimensions - 65cm length x 39cm wide x 42cm high (with handles removed)  
 Overall Weight - 50kgs approx

## C-1035 Lightweight Capstan Winch

This lightweight capstan winch is available in two different line pull capacities and is designed for use over manholes. Both line pull options are powered by the very reliable Honda engines through a right angle gearbox, providing efficient and reliable operation.

### Technical Specification

Capacity	500kg	1000kg
Honda Engine -	5.5Hp	8HP
Length	1100mm	1250mm
Width	500mm	500mm
Height	600mm	600mm
Weight	64kg	99kg



# CABLE PUSHER

## CP700 Cable Pushing Unit

The CP700 Cable Pusher has been designed to assist the laying of electrical cables or cylindrical elements.

The Unit has a profiled drive system to grip the cable, with a load applicator of adjustable upper rollers. The drive system is hydraulic and is powered by a C-1203 portable hydraulic power pack.

### SPECIFICATION

Cable size:	30-150mm o/d
Dimensions:	1390mm long x 500mm wide x 770mm high
Max Push:	700kg
Max Speed:	10m / min
Controls:	Single Lever for Push/Pull operation c/w variable speed control
Drive System:	Hydraulic
Recommended Requirement:	18ltr/min at 60 bar
Weight:	200kg



## C-1203 Hydraulic Power Pack

A lightweight trolley mounted hydraulic power pack with pre-set internal system protection relief valve and quick release connections.



# CABLE DRUM LIFTING JACKS

## HYDRAULIC JACKS

Lightweight hydraulic drum jacks which are almost indispensable for use in the cable yard. Versatile and easily adjustable within seconds to accommodate a vast range of drums. Excellent all round stability, fitted with wheels to be easily moved by one person. Supplied complete with spindle and collars. (Refer Below) Paint finish.



Model	Capacity/pair	Min drum dia	Max drum dia	Base Area	Weight/pair
HJ3	3 Tonnes SWL	800mm	2500mm	830x700mm	106Kg
HJ6	6 Tonnes SWL	880mm	3000mm	900x765mm	118Kg
HJ10	10 Tonnes SWL	1080mm	3500mm	1060x985mm	180Kg

## JACK TOWERS

Designed for heavy drum lifts. Robust engineered construction with hydraulic jacks and adjustable height spindle support blocks. (Spindle/collars not included - Refer Below) Paint finish.



Model	Capacity/pair	Min drum dia	Max drum dia	Base Area	Weight/pair
JT20	20 Tonne	1480mm	3400mm	1830x285mm	370Kg
JT20L	20 Tonne	2360mm	3400mm	1830x760mm	425Kg
JT30L	30 Tonne	3000mm	4500mm	2000x800mm	660Kg
JT40L	40 Tonne	3000mm	4500mm	2000x1000mm	1150Kg

The L unit are equipped with an extra outrigger leg for more stability on uneven ground

## SCREW JACKS

A range of Cable Drum Jacks easy to handle and simple operation. Base plate designed to give stability even on soft ground. (Spindle/Collars not included - Refer Below) Paint finish.



Model	Capacity/pair	Min drum dia	Max drum dia	Base Area	Weight/pair
SJ3	3 Tonne	1060mm	1600mm	300x300mm	37Kg
SJ6	6 Tonne	1360mm	1900mm	460x300mm	45Kg
SJ8	8 Tonne	1660mm	2200mm	600x300mm	76Kg

## JACK PLINTH

Cable drums are increasingly becoming larger but not necessarily heavier. Common practice is to build up the jacks with sleepers, or wood blocks – not recommended- Jack Plinths give an additional 300mm lift safely. Paint finish.



Model	Length	Width	Height	Weight/pair
JP368	1200mm	320mm	300mm	60Kg

## SPINDLE BARS

We recommend the following sizes which are normally stocked by us. Locking Collars can be provided on request. Paint finish.

Max drum Wt.	Ref.	Spindle dia.	Length	Construction	Weight	Recommended for use with
6 Tonnes	DS4	50mm	1219mm	Tubular Steel	12Kg	SJ3
6 Tonnes	DS6	50mm	1800mm	Tubular Steel	18Kg	SJ6 and HJ3
12 Tonnes	DS12	76mm	2100mm	Tubular Steel	53Kg	SJ8, HJ6 and HJ10
20 Tonnes	DS20	100mm	2900mm	Tubular Steel	100Kg	JT20 and JT20L
30 Tonnes	DS30	127mm	4000mm	Tubular Steel	200Kg	JT30L
40 Tonnes	DS40	140mm	4000mm	Tubular Steel	240Kg	JT40L

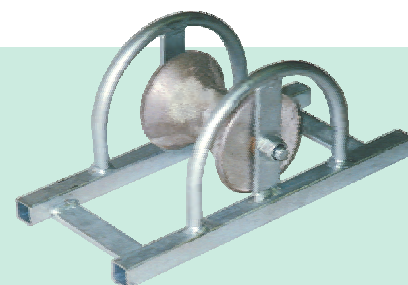
# CABLE ROLLERS - Trench Application

## Straight Line

### TRP76 Narrow Roller

Designed for use in narrow trenches. Lightweight assembly suitable for cables up to 76mm dia. Zinc plated steel frame fitted with large waisted solid aluminium roller running on low friction sintered bushes.

**Height:** 155mm **Width:** 148mm **Length:** 320mm **Weight:** 2.75Kgs  
**Load Capacity:** 75kgs



### HSP125 ROLLER - HEAVY DUTY

All Zinc plated heavy duty assembly suitable for cables up to 125mm dia. Steel frame fitted large waisted steel roller running on sealed ball bearings.

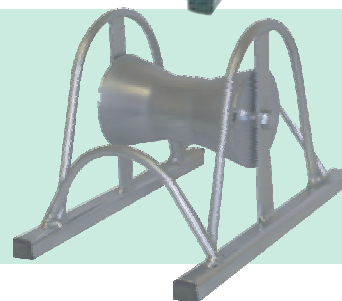
**Height:** 220mm **Width:** 235mm **Length:** 350mm **Weight:** 4.0Kgs  
**Load Capacity:** 150 kgs



### HBSP125 BRIDGE ROLLER - HEAVY DUTY

Generally as per the HSP125 Roller but with the added facility of being able to place same over a cable up to 90mm already laid in the trench.

**Height:** 245mm **Width:** 235mm **Length:** 350mm **Weight:** 4.5Kgs  
**Load Capacity:** 150kgs



## Corner Rollers

### CR1 ANGLE CORNER ROLLER

Purpose designed for taking the heaviest cables round difficult corners and bends. Incorporates a vertical and horizontal roller 75mm diameter on low friction sintered bushes. Stake pins are provided to link rollers together into a continuous assembly on right angle bends. Paint finish.

**Height:** 300mm **Width:** 160mm **Length:** 280mm **Weight:** 9.0Kgs  
**Load Capacity:** 75kgs



### CR2 SKID ROLLER

Incorporates a horizontal steel roller 75mm dia running on low friction sintered bushes with back skid plate for corner work. Can be used singly or linked together with stake pins provided to form a continuous run. Paint finish.

**Height:** 300mm **Width:** 230mm **Length:** 330mm **Weight:** 8.0Kgs  
**Load Capacity:** 75kgs



### CR4 TRIPLE CORNER ROLLER

All zinc plated finish and using two vertical and one horizontal steel rollers identical to HSP125 for taking the heaviest cables round difficult corners. The assembly is of a robust construction for use in the most arduous conditions and can be linked together with stake pins provided to form a continuous corner roller system.

**Height:** 295mm **Width:** 290mm **Length:** 540mm **Weight:** 12Kgs  
**Load Capacity:** 150kgs



NOTE:

Special sizes available on request.

## CABLE ROLLERS - Trench Application

### CR5 HORIZONTAL ROLLER

Two horizontal rollers with quick release gate opening to allow easy entry and removal of cables up to 125mm diameter.

Paint finish.

**Height:** 400mm **Width:** 260mm **Length:** 250mm **Weight:** 13Kgs

**Load Capacity:** 75kgs



### CR6 VERTICAL ROLLER

Nine vertical steel rollers each running in roller bearings and mounted in a heavy duty steel frame.

Paint finish.

**Height:** 310mm **Width:** 90mm **Length:** 830mm **Weight:** 14Kgs

Note: These rollers are used in conjunction with CR5 as per the photograph and where large diameter cables have a limited bend radius.

**Load Capacity:** 75kgs



### SP1 SKID PLATE

Can be used with the CR2 Skid Roller as an alternative to the CR5 / CR6 Corner Roller system.

Paint finish.

**Height:** 300mm **Width:** 100mm **Length:** 920mm **Weight:** 7Kgs

**Load Capacity:** 75kgs



### DR1 DRAW OFF ROLLER

To lead the cable directly from the drum into the trench. 75mm diameter steel tube roller on low friction sintered bushes. All mounted to heavy duty angle steel base.

Paint finish.

**Height:** 220mm **Width:** 178mm **Length:** 1066mm **Weight:** 14Kgs

**Load Capacity:** 75kgs



### VR1 ROLLER ASSEMBLY

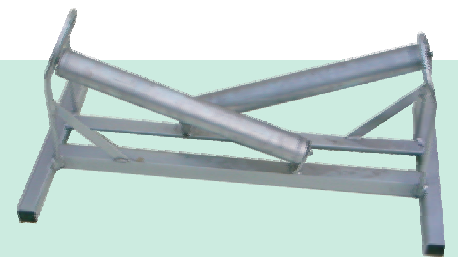
A guide roller in front of the drum which centralizes the cable from the drum into the trench. Sealed roller bearings fitted in steel roller.

Mounted in heavy duty steel frame.

All zinc plated finish.

**Height:** 360mm **Width:** 500mm **Length:** 890mm **Weight:** 17Kgs

**Load Capacity:** 100kgs



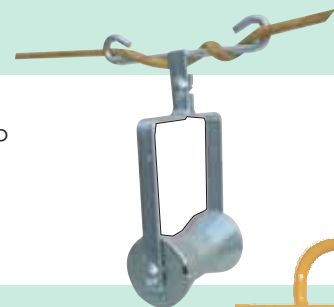
### SR5 SUSPENSION ROLLER

To enable cables to be winched and suspended in high buildings prior to being positioned on gantries, beams etc.

Zinc plated finish.

**Height:** 404mm **Width:** 240mm **Length:** 210mm **Weight:** 3kgs

**Load Capacity:** 75kgs



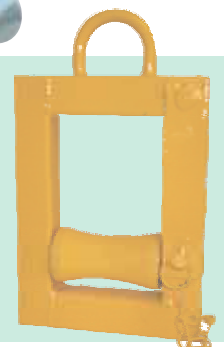
### HSR5 HEAVY DUTY SUSPENSION ROLLER

To take initial strain on the heaviest cables where they are lifted from the floor and onto cable trunking. The roller is suspended from a cross beam or similar in front of the trunking. Large waisted steel roller running on sealing ball bearings.

Paint finish.

**Height:** 430mm **Width:** 120mm **Length:** 250mm **Weight:** 9kgs

**Load Capacity:** 150kgs



NOTE: Special sizes available on request.

## CONDUIT ROD

A high quality glass fibre reinforced helically wound epoxy rod giving good adhesion properties for the outer polyethylene coating. This construction gives excellent bending elasticity which makes it ideal for short to long installations into ducts. It is an ideal and fast way of installing draw ropes and Winch ropes into ducts ready for Cable Pulling operations.

The 4mm and 6mm versions are on a free standing frame. The 9mm, 11mm and 14mm rod comes complete on a mobile frame for easy manoeuvrability.

Zinc plated finish.

All units are designed and built for easy handling.

All rods come complete with guide tips.

A full range of accessories are also available.

All sizes are available as spare rod only, which come with guide tip fitted

Non standard lengths available on request.



### 4mm DIA ON 480mm HIGH FREE STANDING REEL

LCR4/40R	4mm dia x 40mtr long	Weight 5Kg
LCR4/60R	4mm dia x 60mtr long	Weight 6Kg
LCR4/80R	4mm dia x 80mtr long	Weight 7Kg
LCR4/100R	4mm dia x 100mtr long	Weight 8Kg

### 6mm DIA ON 590mm HIGH FREE STANDING REEL

LCR6/60R	6mm dia x 60mtr long	Weight 10Kg
LCR6/80R	6mm dia x 80mtr long	Weight 11Kg
LCR6/100R	6mm dia x 100mtr long	Weight 12Kg
LCR6/120R	6mm dia x 120mtr long	Weight 12Kg
LCR6/150R	6mm dia x 150mtr long	Weight 13Kg

### 9mm DIA ON 1040mm HIGH MOBILE REEL

LCR9/60R	9mm dia x 60mtr long	Weight 26Kg
LCR9/80R	9mm dia x 80mtr long	Weight 28Kg
LCR9/100R	9mm dia x 100mtr long	Weight 30Kg
LCR9/120R	9mm dia x 120mtr long	Weight 32Kg
LCR9/150R	9mm dia x 150mtr long	Weight 35Kg
LCR9/200R	9mm dia x 200mtr long	Weight 40Kg

### 11mm DIA ON 1160mm HIGH MOBILE REEL

LCR11/100R	11mm dia x 100mtr long	Weight 39Kg
LCR11/150R	11mm dia x 150mtr long	Weight 47Kg
LCR11/200R	11mm dia x 200mtr long	Weight 54Kg
LCR11/250R	11mm dia x 250mtr long	Weight 61Kg
LCR11/300R	11mm dia x 300mtr long	Weight 69Kg
LCR11/350R	11mm dia x 350mtr long	Weight 78Kg

### 14mm DIA ON 1290mm HIGH MOBILE REEL

LCR14/150R	14mm dia x 150mtr long	Weight 65Kg
LCR14/200R	14mm dia x 200mtr long	Weight 77Kg
LCR14/250R	14mm dia x 250mtr long	Weight 87Kg
LCR14/300R	14mm dia x 300mtr long	Weight 99Kg
LCR14/350R	14mm dia x 350mtr long	Weight 111Kg
LCR14/400R	14mm dia x 400mtr long	Weight 123Kg
LCR14/450R	14mm dia x 450mtr long	Weight 135Kg
LCR14/500R	14mm dia x 500mtr long	Weight 147Kg





# CONDUIT ROD ACCESSORIES & PIT LIFTERS

## GUIDE TIP

Supplied as standard with all Conduit Rods. The Tip guides the Rod through the Duct, the Eye allows pulling rope to be attached to the Rod.

- M279/B Guide Tip (4mm & 6mm Rod)
- M277/2 Guide Tip (9, 11mm & 14mm Rod)



The following 2 Guide Tips do not require end connectors and provide additional flexibility on tight corners.

- M277/8 Special Guide Tip 9mm Rod
- M277/7 Special Guide Tip 11mm Rod

## END CONNECTOR

Male Rod End Connector supplied as standard at both ends of all Conduit Rods. Threaded end allows the connection of other Rod accessories.

- M371/1 4mm End Connector
- M279/A 6mm End Connector
- M277/4 9mm End Connector
- M277/3 11mm End Connector
- M407/1 14mm End Connector

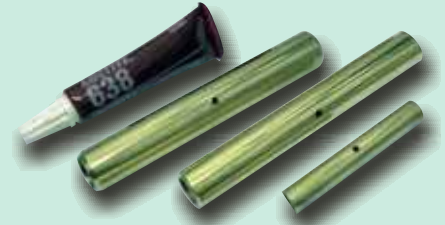
Please note ADH1 adhesive also required to fit connector to rod.



## REPAIR KIT

Connector used to repair breakage's to Conduit Rod, the fitting is used with ADH1 Adhesive which is included.

- RK4 4mm Repair Kit inc. Adhesive
- RK6 6mm Repair Kit inc. Adhesive
- RK9 9mm Repair Kit inc. Adhesive
- RK11 11mm Repair Kit inc. Adhesive
- RK14 14mm Repair Kit inc. Adhesive



## FLEXIBLE GUIDE TIP

Used to guide Conduit Rod around bends, available with Spring End and also Wire Rope End/Flexible Leader which have the added facility of being able to pull back draw rope without reverting to a standard guide tip.

- FGT1 Flexible Guide Tip with Spring
- FGT2 Flexible Guide Tip with Wire Rope (Heavy Duty)
- FGT3 6mm Flexible Leader Rod

All above suitable for 9mm, 11mm and 14mm rod.



## OTHER ACCESSORIES

- GB1 Guide Ball (9mm, 11mm and 14mm Rod) = Used to assist Conduit Rod around bend.
- PRG1 Protective Rod Guide = Supplied with all Conduit Rod Reels.
- ADH1 3ml Adhesive = Used to glue End Connectors to Conduit Rod.
- LDS2 Shackle (9mm, 11mm and 14mm Rod) = Used with Guide Tip when a larger pulling eye is required.

PART NO.	DESCRIPTION	PART NO.	DESCRIPTION
S00-3002	A) NO 2 PIT LIFTER	S00-3031	D) LIFTING KEYS 9758 (EACH)
S00-1072	B) HEAVY DUTY MAN HOLE KEY	S00-1463	E) REPLACEMENT HOOK FOR A
S00-1073	C) 4" MANHOLE KEY (PAIR)	S00-7906	F) 4 WAY UTILITIES KEY



PART NO.	DESCRIPTION	PART NO.	DESCRIPTION
S00-1071	A) NO 4 PIT LIFTER	S00-3575	D) CARRIAGE WAY KEY 2A
S00-3001	B) D PIT LIFTER (EACH)	S00-1463	REPLACEMENT HOOK FOR A
S00-3000	C) 20" PIT LIFTER (PAIR)	S00-7907	E) 4 WAY PIT LIFTER



# CABLE & DUCT PULLING ACCESSORIES

## SWIVEL LINK

Enables Winch rope to revolve during pulling operation preventing twisting or kinking.

Machined from solid steel zinc plated finish.

Heavy duty swivel bearing to allow sustained pulls.

Totally smooth exterior finish.

Grease packed on assembly minimising further lubrication.



Model	Min Break Strain	Jaw Size	Pin Dia.	Overall Length	Overall Diameter	Weight
SL3	3 Tonne	16mm	10mm	100mm	30mm	0.5Kg
SL5	5 Tonne	32mm	16mm	200mm	55mm	2.5Kg
SL10	10 Tonne	39mm	24mm	325mm	60mm	5Kg

## CABLE STOCKINGS

Sometimes called Cable Socks or Cable Grips.

An efficient method of supporting or pulling cables.

Manufactured from high tensile galvanised steel wire.

Also available on request in stainless steel wire or Kevlar.

Available as Single Eye (S type).

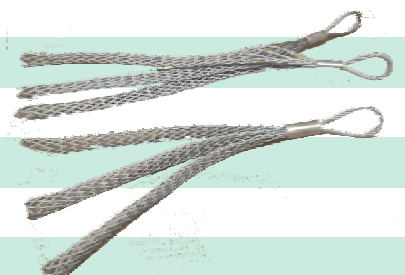
Double Eye (D type) or Lace Up (L type).



Dia of Cable	S Type Code	D type Code	L type Code	Lattice Weave	Lattice Length	Overall Length	Actual Break Tonne
6-13mm	CS11	CS21	CS31	Single	230mm	305mm	0.75T
13-19mm	CS12	CS22	CS32	Single	355mm	430mm	1.00T
19-25mm	CS13	CS23	CS33	Single	405mm	510mm	2.50T
25-38mm	CS14	CS24	CS34	Single	455mm	610mm	3.50T
38-50mm	CS15	CS25	CS35	Double	535mm	735mm	5.00T
50-63mm	CS16	CS26	CS36	Double	610mm	865mm	5.00T
63-89mm	CS17	CS27	CS37	Double	685mm	990mm	6.00T
89-115mm	CS18	CS28	CS38	Double	685mm	990mm	7.00T
115-130mm	CS19	CS29	CS39	Double	685mm	990mm	7.00T

The following cable socks are supplied with 3 legs for pulling 3 separate cables at the same time.

Dia of Cable	S Type Code	D type Code	Lattice Weave	Lattice Length	Overall Length	Actual Break Tonne
19-25mm	CST13	CST23	Single	405mm	510mm	2.50T
25-38mm	CST14	CST24	Single	455mm	610mm	3.50T
38-50mm	CST15	CST25	Double	535mm	735mm	5.00T
50-63mm	CST16	CST26	Double	610mm	865mm	5.00T
63-89mm	CST17	CST27	Double	685mm	990mm	6.00T
89-115mm	CST18	CST28	Double	685mm	990mm	7.00T
115-130mm	CST19	CST29	Double	685mm	990mm	7.00T



All sizes in mm. Larger diameter and longer lengths can be made to order.

# CABLE ROLLERS AND GUIDES - for the duct

## ML5 Manhole Roller

Designed for placing at the end of the manhole or pit entrance to ease the cable in. Triple Aluminium Roller on tubular steel frame. Zinc Plated.

**Height** 630mm **Width** 290mm **Length** 500mm **Weight** 14Kg.



## RR3 Rope Guiding Roller

Used to guide drawropes and cabling ropes out of manhole entrance and jointboxes to avoid damage to the rope. Consists of an aluminium roller mounted on a zinc plated frame, which has two lugs for location into the jointbox or manhole.

Also available RR5 with a heavy duty steel roller running on roller bearings.

**Height:** 150mm **Width:** 152mm **Length:** 254mm **Weight:** 4Kgs



## ERS76 Edge Roller Swivelling

For protection of the rope on the rim and corner of the manhole. Unit swivels to the direction of the pull.

Aluminium roller in zinc plated frame.

**Height:** 180mm **Width:** 200mm **Length:** 270mm **Weight:** 4.5Kgs

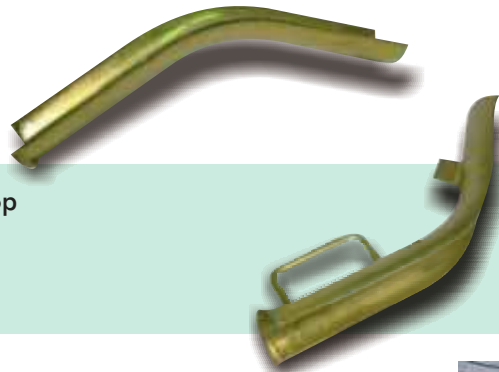


## Cable Protecting Bend Without Stop

CPB1 – For Ducts inside dia. 89mm

CPB2 – For Ducts inside dia 100mm

Zinc plated.



## Cable Protecting Bend With Handle And Stop

CPB3 – For Ducts inside dia 89mm

CPB4 – For Ducts inside dia 100mm

Zinc plated.

## CPB5 – Cable Protecting Bend With Angled Base

To fit the rim corners of the manhole. Unit swivels to the direction of the pull.

Zinc plated



## CPB6 – Cable Protecting Bend with Snout

For securing inside 89 or 100mm Ducts

Zinc plated



## SLINGS

For use with pulling eye. Available as standard for pulling 3 or 4 way sub duct.

3 way Sling. Staggered 3 way pulling Harness

4 way Sling. Staggered 4 way pulling Harness

Manufactured from galvanised steel wire.



## SUB DUCT PULLING EYE WITH CLEVIS

Sub Duct pulling eye (carrots) with Clevis pin and eye other end to attach draw rope etc. Units tapered and threaded to cover range.

Zinc plated.

PE1 Pulling eye for sub duct range 24-29mm

PE2 Pulling eye for sub duct range 29-37mm



## DUCT EQUIPMENT

### BM. Steel Bellmouths

In separate hinged halves to guide the cable through the duct to avoid damage to both the Cable or the Duct.

**BMR models available fitted with roller for additional rope guidance and protection.** Zinc plated

BM60	(BMR60)	for ducts 60 - 69mm
BM80	(BMR80)	for ducts 76 - 89mm
BM90	(BMR90)	for ducts 90 - 97mm
BM100	(BMR100)	for ducts 99 - 106mm
BM125	(BMR125)	for ducts 124 - 130mm
BM150	(BMR150)	for ducts 148 - 155mm
BM160	(BMR160)	for ducts 152 - 176mm
BM175	(BMR175)	for ducts 170 - 180mm
BM200	(BMR200)	for ducts 194 - 212mm
BM230	(BMR230)	for ducts 220 - 239mm
BM250	(BMR250)	for ducts 246 - 266mm



### Four Rolled Bellmouths

Steel Bell mouth fitted with 4 rollers to provide additional protection, ensuring the cable can be pulled through in any direction without causing damage. This model is available in the following sizes:-

BM4R100	for ducts 99-106mm
BM4R125	for ducts 124-130mm
BM4R150	for ducts 148-155mm
BM4R160	for ducts 152-176mm
BM4R175	for ducts 170-180mm
BM4R200	for ducts 194-212mm
BM4R230	for ducts 220-239mm
BM4R250	for ducts 246-266mm



### Foam Pigs

Foam Pigs are used to remove dust or fluids from all pipe materials. They are generally pushed through a pipe using air or water pressure, although they can be supplied with a facility to allow to be pulled through a pipe by a winch.

Foam Pigs are flexible and bi-directional, they will negotiate all conventional pipeline/duct fittings. The sealed End Pigs are cylindrically shaped and incorporate an impermeable disc at one end which is bonded to the foam. This version, which by virtue of the sealed end is non-porous, is designed for the more arduous applications such as pipe cleaning and drying. All SEB range of Foam Pigs are available to suit Pipe/Duct ID of between 2" and 42". Special sizes can be supplied to suit individual requirements.



### Rope Blowing Tee and Pipe Stoppers

SEB's Rope Blowing Tee is a product designed for installing draw ropes into cable ducts. The Rope Blowing Tee is connected to the inlet of a Pipe Stopper supplied separately and then connected to the airline from a pneumatic compressor. The Draw Rope is then fed through the hole in the end of the Rope Blowing Tee and attached to a line blowing dart or Foam Pig. Our range of Rope Blowing Tees are available to suit all sizes of Pipe Stoppers, which generally have either 1/2" or 1" outlets.



Shown attached to the Rope Blowing Tee is the Expanding Pipe Stopper, the main use for the Pipe Stopper is to prevent the ingress of water, gases, rodents and debris into a newly laid or decommissioned pipe. The SEB range of Pipe Stoppers are available in a number of different types to cover the size range 1/2" (12mm) to 48" (1200mm)

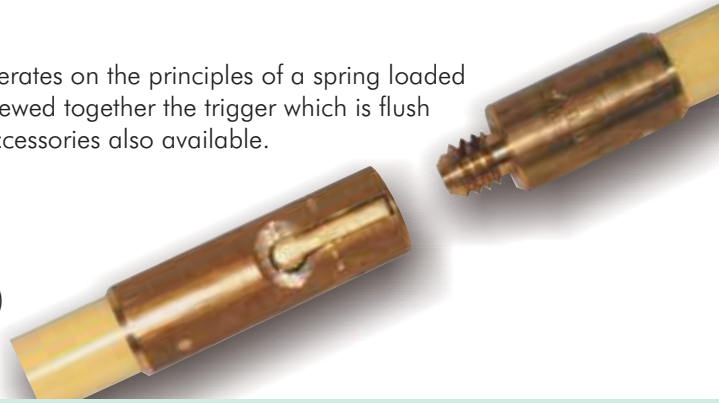
# DUCT EQUIPMENT

## RIGID PVC DUCT RODS

PVC Rods available in two and three metre lengths.

The joint is commonly known as the Ferret type which operates on the principles of a spring loaded pin engaging into a mating hole. When the joints are screwed together the trigger which is flush with the body of the joint is pressed for quick release. Accessories also available.

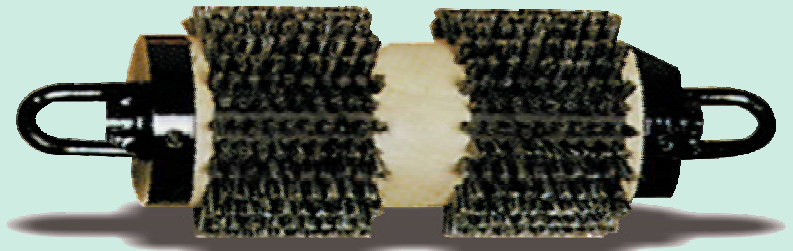
- RD1 Duct Rods 3mtr long x 24mm O. D
- RD2 Duct Rods 2mtr long x 24mm O. D
- LM1 Rod Male Leader (to assist rod through Duct)
- FF2 Rod Female follower (for tying Draw Rope etc to)
- CUP1 Coupling up set 35mm dia
- CUP2 Coupling up set 48mm dia



## DUCT BRUSHES

Cylindrical Brush With Polypropylene Centres drilled and fitted with threaded steel Rod, Steel end caps and Pulling Eye each end. Overall length including Eye 350mm. Standard sizes as follows

- CB57 Cylindrical Brush 57mm
  - CB80 Cylindrical Brush 80mm
  - CB86 Cylindrical Brush 86mm
  - CB95 Cylindrical Brush 95mm
  - CB108 Cylindrical Brush 108mm
  - CB150 Cylindrical Brush 150mm
  - CB200 Cylindrical Brush 200mm
- Specials available on request.



## DUCT PROVING MANDRELS

Used to prove there are no restrictions within the duct. Both types are approximately 240mm long fitted with a threaded rod and pulling eye each end to give an approx overall length of 350mm

Standard outside diameters as follows

- SM43 Steel Mandrel 43mm
  - SM70 Steel Mandrel 70mm
  - SM76 Steel Mandrel 76mm
  - SM79 Steel Mandrel 79mm
  - SM83 Steel Mandrel 83mm
  - SM95 Steel Mandrel 95mm
- Specials available on request

- BT43 Polypropylene Mandrel 43mm
- BT70 Polypropylene Mandrel 70mm
- BT79 Polypropylene Mandrel 79mm
- BT83 Polypropylene Mandrel 83mm
- BT95 Polypropylene Mandrel 95mm



# CABLE LUBRICANT

A range of high quality Lubricants for both the power and telecommunications sectors.

## POWER - Pail size 20 ltr.

CL1 Techlube H.D – Developed for large power and also heavy telecommunication cables High cling factor enables it to remain evenly coated on large diameter cables allowing it to slip into ducts more easily than conventional lubricants.

## TELECOMMUNICATIONS - Pail size 20 ltr.

LD1 Lubricants – Approved to BT Specification MAT 138C Emulsion based with silicone this product is specially formulated with added micro beads to reduce pulling friction by up to 70%

LD2 Lubricant – Low cost version of the above. Generally the same as LD1 but without the micro beads.



## HYDRAULIC CABLE CUTTER

### HHC120 Hydraulic Cutting Head

Designed to cut aluminium, copper and telecommunication cables having a maximum overall diameter of 120mm. For use with HHP1 Foot Pump. Other sizes available on request



### HHC085 Hand Operated Hydraulic Cutting Tool

Designed to cut copper, Aluminium and telecommunication cable having a max overall diameter of 85mm



## HYDRAULIC CRIMPING TOOLS

### HOCT 400H Crimping Tool

A "C" type hand Hydraulic Tool for Crimping Copper tube terminals 10 to 400mm<sup>2</sup> using hexagon dies (13 dies required to cover this range). Head Rotates through 180° to allow operation in restricted places.



### HOCT 400

Hydraulic head only generally as above used with HHP1 Foot Pump.



### HOCT630 Hydraulic Crimping Head

For crimping Copper Tube Terminals 10-630mm<sup>2</sup>. For use with HHP1 Foot Pump.



### HOCT 1000 Hydraulic Crimping Head

For crimping up to 1000mm<sup>2</sup>. For use with HHP1 footpump. Dies available



## HYDRAULIC PUMPS

### HHP-1 Hydraulic Foot Pump

Foot operated double speed pump. Developing a maximum pressure of 700 bar. The pump is supplied with 3m long high pressure flexible hose complete with female self lock quick coupler.

Pressure can be withdrawn at any time during operation by depressing the release lever. A solid stand gives the pump stability during operation.



### EDP230 Electrically Driven Hydraulic Pump

Electrically driven hydraulic pump, powered by a 230V / 50-60Hz single-phase electric motor.

The remote hand controller allows advancement and pressure release on completion of the crimping operation.

The mechanically actuated emergency button located on the pump body allows the pressure release at any time in case of power shortage.

Also available EDP1 10 for 110-115V/50-60Hz

Both models are IP55 rated



## CORDLESS HYDRAULIC CRIMPING TOOL

### CHC130 14.4 V Hydraulic Crimping tool

For crimping copper tube terminals 10-400mm<sup>2</sup> using hexagon dies, the unit is lightweight and balanced for single hand operation.

The tool features a double speed action: a fast advancing speed for rapid approach of the dies to the connector and a slower more powerful speed for crimping.

The crimping head can rotate through 180° for ease of operation.

The CHC130 will accept all semi-circular slotted dies, common to most 12 tons tools (U dies). Fitted with a maximum hydraulic pressure valve.

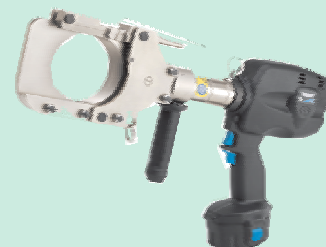


## CORDLESS HYDRAULIC CUTTING TOOL

### CHCT95 14.4 V Cordless Hydraulic Cutting Tool

Specifically designed to cut copper, aluminium and telecommunication cables having a max overall diameter of 95mm

The tool features a double speed action: a fast advancing speed for rapid approach of the blades to the cable and a slower more powerful speed for cutting.



## MANUAL CUTTING TOOLS

### KT4

For cutting cables  $\varnothing$  max 52mm

Weight: 0.88 kg

Length: 310 mm



### 5116660500

For cutting cables 6 to 500 sqmm

Weight: 3 kg

Length: 800 mm



Other sizes for manual cutting and crimping tools are available on request

## MEASURING WHEELS

### MW1

Measuring wheel supplied with carry bag. Low cost measuring wheel with high specification. Adds forward and subtracts in reverse. Measures along shapes as well as straight lines. 5 digit measuring up to 10,000 meters without resetting.

Simple reset lever to zero. Lightweight only 1.5Kgs.

Available also in electronic read out.

### MW2

Measuring wheel c/w stand, brake and carry case, 6 digits measuring up to 100,000mtrs otherwise as above.



# CABLE AVOIDANCE TOOLS

Following the HSE recommendations for safe digging practice, get some serious cable locating equipment on the job and make sure it gets used. Please find below the current SEB range of cable locating equipment.



## CAT33 Cable Avoidance Tool

The Cable Avoidance Tool is a fully featured, 33 kHz industry standard tool which every ground working operative will find familiar and easy to use. Combined with a SGV Signal Generator and a powerful range of accessories, the Cable Avoidance Tool has become the main component of a versatile pipe and cable tracing system used by hundreds of Companies and their ground operators over the last 15 years.

## CAT 33XD Cable Avoidance Tool

The Cable Avoidance Tool XD has all the features of the Cable Avoidance tool but with the addition of Depth Estimation. Depth Estimation is an extremely useful aid to identify a selected correct pipe or cable when it is buried amongst other cables and pipes underground.

## SG33 Signal Generator

An SGV signal Generator is a vital accompaniment to a Cable Avoidance Tool and significantly increases the number of buried services that can be detected



The 33 kHz SGV Signal Generator can energize a buried metal pipe or cable by 'direct connection' to the target pipe or cable or the simpler 'induction' method from above ground.

## CXL2 Digital Cable Avoidance Tool

With additional Combined 33/131 kHz frequency to detect frequencies for small bore cables, the new CXL2 Cable Avoidance Tool with the data logging provides a more reliable and improved signal detection in an ever increasing noisy and congested underground environment. The CXL2 has an Automatic Daily Self Test to ensure that it is working before use, and time stamped data-logging to record when and how it is being used.

In addition there is no longer any requirement to send the units away for calibration checks every year, reducing the cost of ownership and the unit comes with a 3 year warranty.

Other standard features include a fast response Auto Backlight LCD indicating signal level and battery condition and familiar operator controls.



## DXL2 Digital Avoidance Toll with Depth

With all the features of the CXL2, the DXL2 had the added feature of Depth, which in conjunction with an SGV2 transmitter or a Sonde, allows instant depth measurement of the transmitted signal. The depth is indicated on the standard LCD.



## SGV2 Signal Generator

Use the SGV2 Signal Generator to transmit an easily identifiable signal to a buried cable or pipe. The SGV2 has a 4 level 1 Watt signal output to provide an accurate and reliable signal to trace on a utility. Supplied with a large accessory tray containing connection leads, ground stake 10m earth lead extension and connection magnets.



## Signal Clamp

Apply the SGV2 signal effectively to any cable by using the Signal Clamp. An extremely practical way to allow individual cables to be traced even when amongst other cables.



## Sonde

Allows the route of non-metallic pipes such as sewers, drains and large plastic gas and water mains to be traced using a Cable Avoidance Tool. Using the DXL2 allows identification of not only the position of the Sonde but also it's depth. Ideal for finding the position of blockages in pipes and powerful enough to be detectable at 7 metres depth.





# CABLE DRUM HANDLING

## CDR2 Cable Drum Rotators

Heavy Duty all steel welded fitted with one fixed and one adjustable diablo shaped steel roller with sealed bearings.  
Maximum drum payload 1500kgs.  
Finish: Painted  
Drum dia. max. 2400mm Drum dia. min, 300mm.  
Drum width Adustable.  
Size each 1000mm x 225mm x 120mm. Weight per pair 54Kgs.



## CDR3 Cable Drum Rotators

Rollers - Zinc plated steel - adjustable and fitted with sealed bearings.  
Maximum Drum payload 200Kgs.  
Finish: Zinc plated.  
Drum dia. max. 750mm Drum dia. min. 200mm  
Drum width 520mm  
Base size 630mm x 550mm Weight 16Kgs.



## DTS1 Drum Tip Stand

For ease of lifting and payout of cable.  
All steel welded tubular frame.  
Max. drum dia. 1750mm  
Max. drum width 930mm  
Drum weight 750Kgs.  
Paint finish.



## Cable Ramp

The Cable Ramp is designed to support and guide the cable directly from the cable drum and directly into the trench or duct mouth in a controlled manner, by means of a series of rollers. The unit is designed and built to order and therefore can be made to your specification.  
Paint finish.



## CDS1 Universal Cable Drum Stand

Lightweight unit suitable for a variety of cabling applications.  
Complete with spindle.  
Accommodates drums up to 600mm diameter and 500mm wide.  
Zinc plated frame.  
Max. drum weight 100kgs.

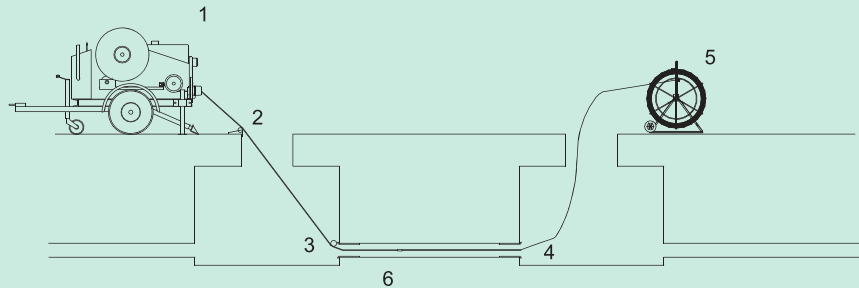


# CABLE LAYING IN DUCTS

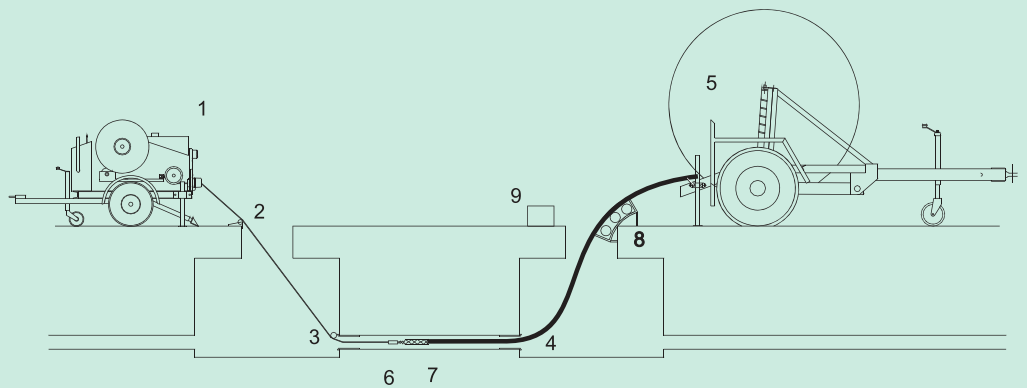
## A Typical Layout of Equipment used for Installing Cable into Ducts

### PREPARATION FOR CABLE PULL

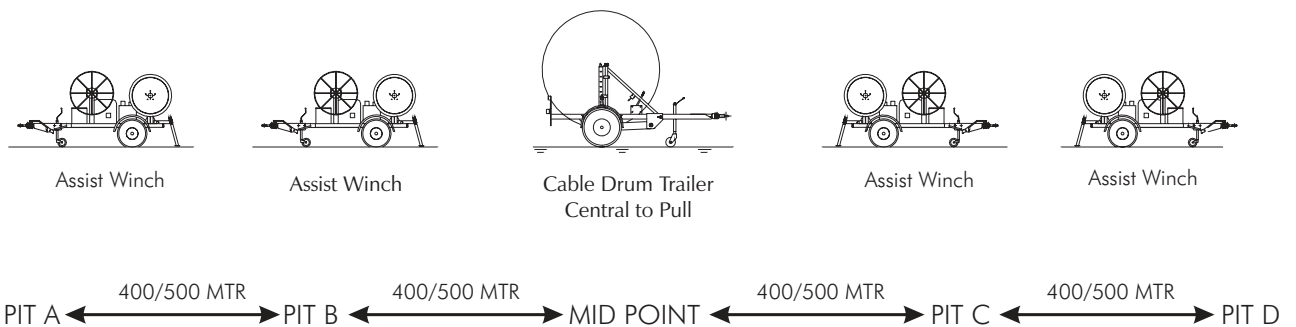
1. Cable Winch
2. Rope Guide Roller
3. Bellmouth
4. Bellmouth
5. Conduit Rod
6. Swivel Link



1. Cable Winch
2. Rope Guide Roller
3. Bellmouth
4. Bellmouth
5. Cable Drum Trailer or Cable Jacks
6. Swivel Link
7. Cable Stocking
8. Manhole Roller
9. Cable Lubricant



### Typical Fibre Optic Cable Pull



Position cable drum trailer at mid point and winches at pits A & B.

The winches at pits B & C are placed at mid point of the run to keep pulling tension down to a minimum thereby allowing longer pulls to be achieved without the need of expensive splicing.

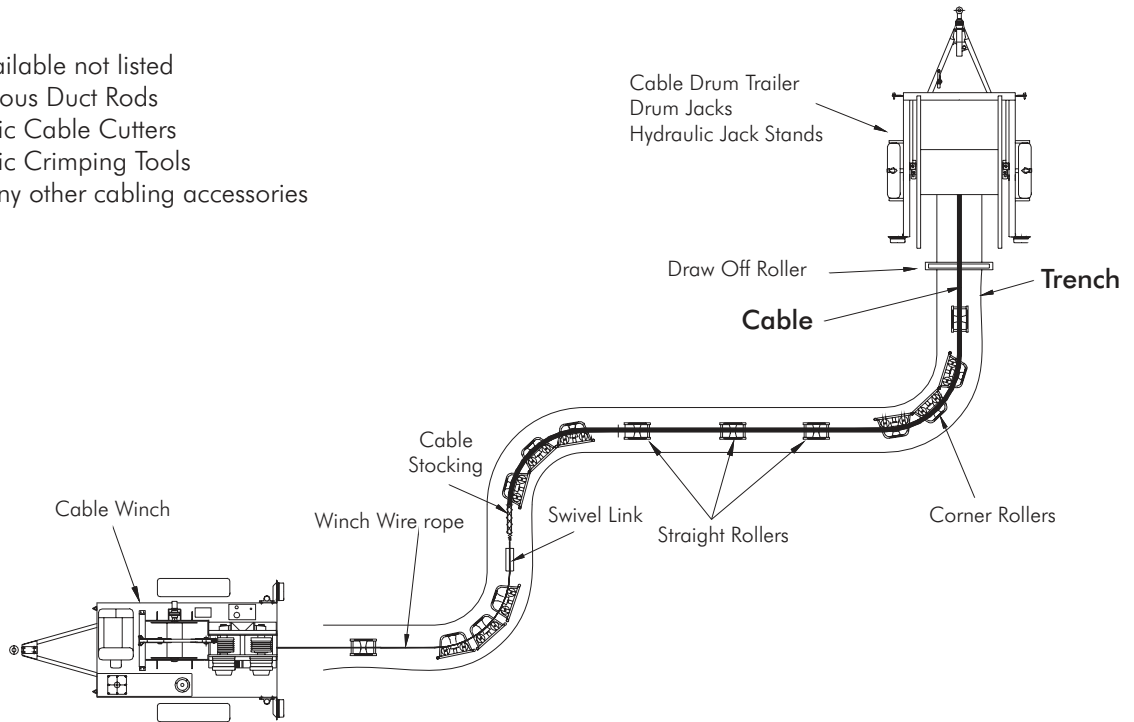
After the cable has been pulled through to Pit A the remaining cable on the drum can then be fletted to obtain the other end of the cable to be pulled through the duct.

The winches can then be repositioned at Pits C & D and the cable can then be pulled through to Pit D.

# CABLE LAYING IN OPEN TRENCH

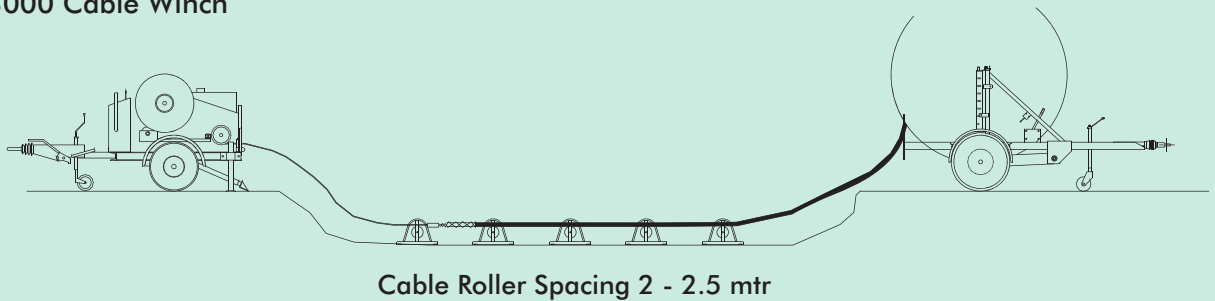
## Typical Layout of Equipment used for Installing Cable in Open Trench

Also available not listed  
 Continuous Duct Rods  
 Hydraulic Cable Cutters  
 Hydraulic Crimping Tools  
 and many other cabling accessories

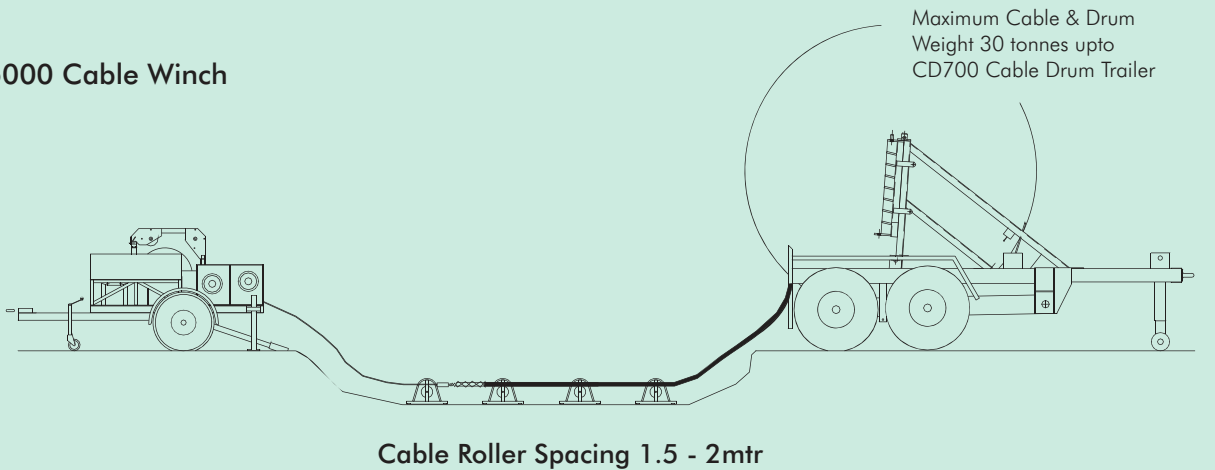


### Compatibility of Winch to Cable Weight/Drum Trailer

#### FW3000 Cable Winch



#### TW5000 Cable Winch



**Important** Do not leave lead sheathed cable on cable rollers over nights as the cable will sag between rollers. This can potentially, cause damage to the cable.

The winch/trailer compatibility is intended as a general guide only and is dependent on the site conditions and cable route.

# The Complete Cabling Package



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