

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.
TCW4000	
Rope Pull/Speed	No Load/Payout - 25mts/min approx. 4.0 tonne 10 mtr/min approx.



**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 VAC 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

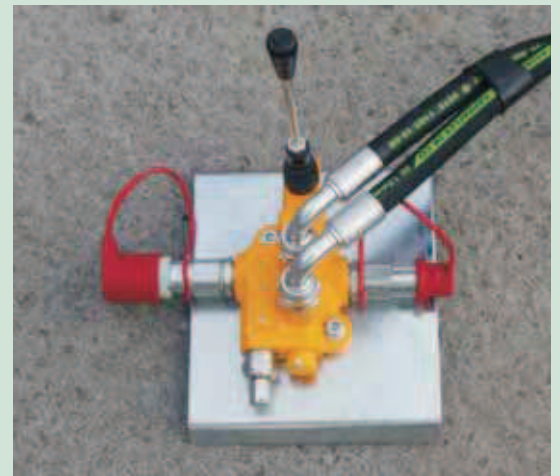
CP700 Cable Pushing Unit

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.

