



CBS **PRODUCTS**



PRODUCT CATALOGUE



Established in 1971, CBS Products Ltd is a leading provider of solutions and equipment to the installers of power transmission lines and telecom networks around the world.

From our base in Oakham, in the East Midlands, the company started life as a manufacturer of cable jointing equipment and gradually diversified into winching equipment for the power transmission industry.

With the deregulation of the electricity industry in the 80's the newly privatised National Grid embarked on a diversification policy and entered the field of telecommunications, installing fibre cables along transmission line networks. This provided an opportunity for the company to develop a line of pullers and tensioners specifically for this work.

Our exposure to the UK Telecoms market meant that the company's expertise and know-how rapidly came to the attention of the major players in the fibre optic cable world. As a corollary, CBS became the partner of choice in a number of high profile, international fibre optic cable projects, notably in Russia, Malaysia and Zimbabwe. These projects provided further opportunities for the company to show its prowess in developing innovative solutions capable of withstanding extreme conditions, both of climate and terrain.

Towards the end of the 90's the company's continuing quest for new horizons culminated in the development of the Tornado series of fibre optic blowing machines. These have proved highly successful both in the UK and Export markets. In the UK alone the Tornado beat off all competition in a highly demanding trial, enabling CBS Products Ltd to win a highly prestigious contract to become exclusive suppliers of Cable Blowing Equipment to British Telecommunications (BT).

So, whether you're in Telecoms, CATV or Power Transmission line installation, CBS has what it takes to keep your project running smoothly and on schedule. Which brings us to one more compelling reason to consider us when planning your next cable deployment project.

WINCHES

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DRUM HANDLING

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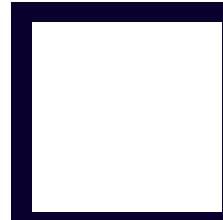
TOOLING

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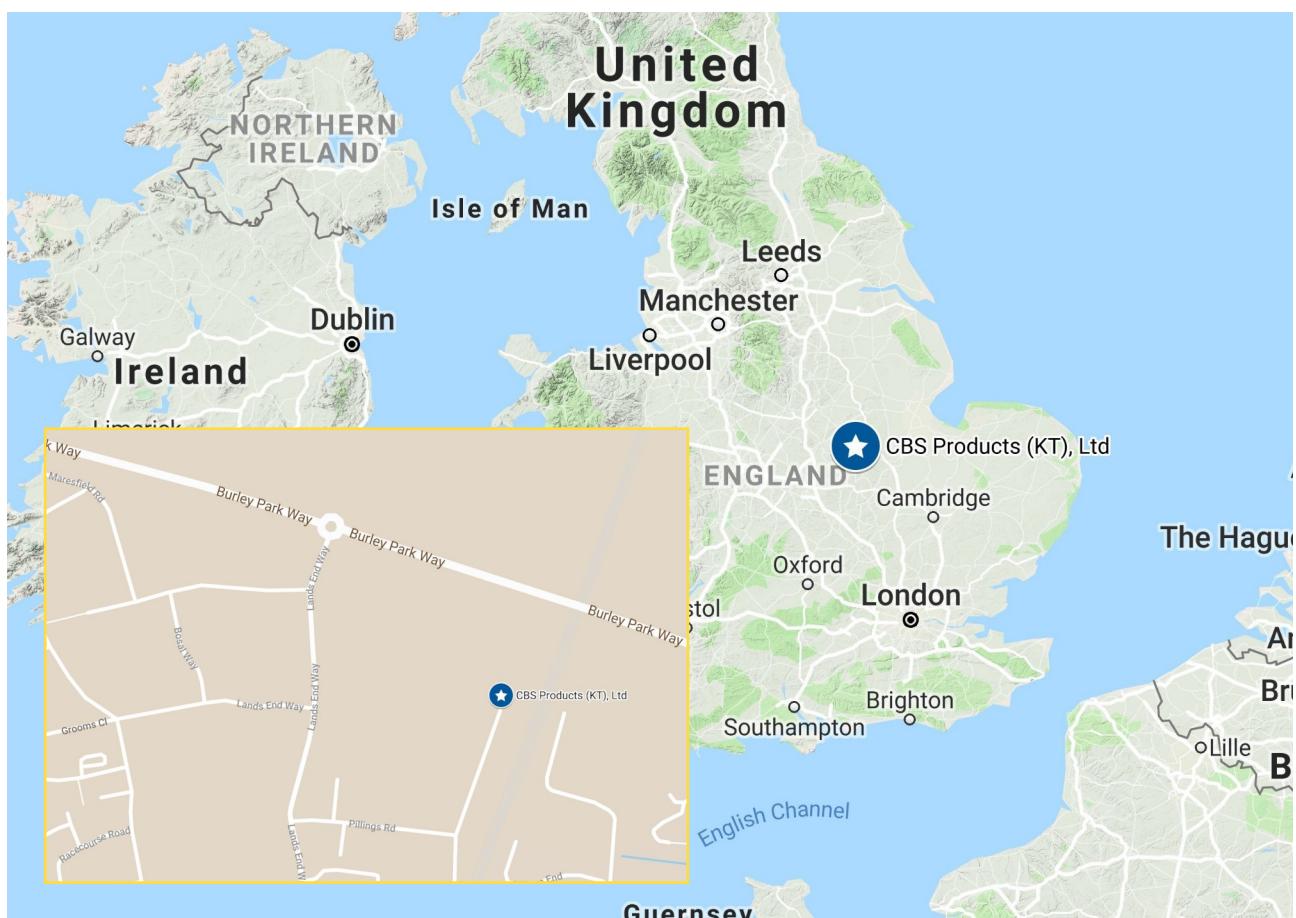


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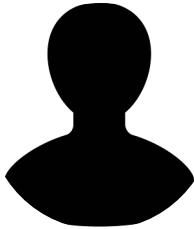
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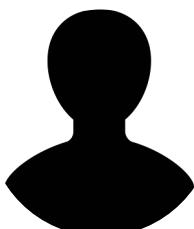




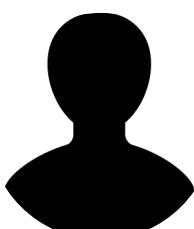
MIKE TURNEY MANAGING DIRECTOR



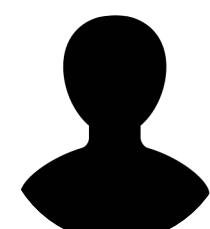
RAY GLADWINFIELD EXPORT SALES MANAGER



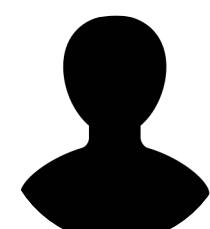
GORDON MACFARLNE SALES MANAGER



TOBY HARRISON POWER DIRECTOR



STEPHEN HONEYBOURNE KEY ACCOUNT MANAGER



BRENT LEZAR ACCOUNTMANAGER



WINCHES, CABLE LASHERS, AND PUSHING MACHINES

OVERHEAD & UNDERGROUND

Our range of winches are designed to offer reliable, efficient performance to enable your team to install a wide range of cabling both overhead and underground. With multiple options, each designed to suit specific jobs and requirements, you're sure to find the perfect winch for your needs.

Our trailer mounted winches offer an easy to transport, all in one solution with reliable Honda engines and corrosion resistant bodies.

In addition to trailer mounted winches, we also offer a selection of portable Capstan winches and cable lashing machines, while our specialist C-1350 Cable Pusher makes quick work of installing electrical cables underground.

C-680 BULLDOG OVERHEAD LINE WINCH



The CBS 680 Bulldog winch has been designed to provide a compact, transportable unit for overhead line stringing work. The self-contained winch is powered by an 11hp petrol engine and the precise control required is provided by the hydraulic circuit.

Designed to tow behind even small vehicles, the Bulldog winch is lightweight and can be easily positioned by one man. Operational stability is provided by ground anchors on the tow bar, or by employing the towing vehicle as an anchor.

The C-680 Bulldog is a British Universal Winch designed to meet the needs of overhead line engineers. The various options permit use on aerial bundle (ABC), Copper, Aluminium and ACSR Conductors.

SPECIFICATIONS	
Output Torque	540Nm
Engine	11hp Petrol
Length	2150mm
Width	1150mm
Height	800mm
Weight	250kg

ORDERING INFORMATION	
C-680	Bulldog Overhead Winch
C-A1-680-27	Split Drum for retrieving conductor
C-821-02	700mm diameter drum fitted with 400m of 8mm Paraline Rope



C-821 HYDRAULIC UNIVERSAL WINCH



The CBS 821 Universal Winch offers the constant pulling tension of a double capstan drive and the flexibility of a direct drive drum in one machine.

The winch employs a powerful petrol engine mounted with associated hydraulics on a sturdy trailer unit. Precise hydraulic controls allow easy operation through one fail-safe lever.

Ideally suited for ABC erection, 11/33kV stringing work, conductor recovery, and underground cable handling.



OPTIONAL EXTRAS

C-821-02	700mm diameter drum fitted with 400m of 8mm Paraline Rope
C-A1-680-27	Split Drum
C-821-14	Waterproof cover

SPECIFICATIONS

Speed	0-30m/min from capstans 0-100m/min drum drive when connected to capstan drive shaft
Drive	Fixed displacement pump and motor through double capstan drive module
Controls	Fail-safe, bi-directional section, creep & inching facility, and operator adjustable load limiting control
Rope Layer	Semi-automatic
Load Indicator	Calibrated gauge dial read out in kg with adjustable limit control
Hydraulic Circuit	Open circuit with double filtration protection
Length	2844mm (Overall)
Width	1420mm
Height	1480mm (With cover)
Weight	455kg (Unladen)
Rope Drum - Empty	22kg
Split Drum	23kg
Frame & Cover	50kg
400m Drum	27kg
600m Drum	40kg

ORDERING INFORMATION

C-821	Hydraulic Universal Winch
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C-821 PORTABLE HYDRAULIC WINCHING SYSTEM



Designed to provide a fully portable winching system, by breaking down into easily transportable modules.

Ideally suited for overhead line stringing work such as ABC conductors, bare conductors or re-conductoring projects, it provides a flexible system suitable where access is restricted and ground disturbance is undesirable.

The winch can be pole mounted or ground mounted using the optional frame. The C-825 Hydraulic Winch comprises of a strong lightweight pole mounting frame with securing chains and incorporates a hydraulic drive and control lever.

HYDRAULIC POWER PACK



This unit is powered by an air-cooled, 8hp petrol driven engine, delivering 20 litres/min at a working pressure of 138 bar from the hydraulic circuit. The circuit is protected with return line and suction filters. CE approved.

SPECIFICATIONS

Output Torque 615Nm / Avg. Tension 300kg

Speed Control Fail-safe. Bi-directional section, creep and inching facility

ORDERING INFORMATION

C-825-01	Pole Mounted Hydraulic Winch with layering arm
C-1204-1	Hydraulic power pack with 7m hoses

OPTIONAL EXTRAS

C-821-02	700mm diameter drum fitted with 400m of 8mm Paraline Rope
C-821-03	700mm diameter drum fitted with 600m of Paraline Rope
C-A1-680-27	Split drum for retrieving old conductor
C-825-07	Split drum (Outboard type)
C-825-06	Grounding frame and anchor rods
C-825-09	Carrying handle for hydraulic motor

SPECIFICATIONS

Length 720mm

Width 530mm

Height 615mm

Weight 66kg

Hydraulic Tank Capacity 5 Litres

C-780 3 TONNE OVERHEAD LINE CONSTRUCTION WINCH



Designed to give reliable, flexible winching system to meet all 11/33kV work, together with some 66kV and 132kV maintenance tasks.

The powerful winch is mounted on a robust steel chassis with a single axle trailer facility for site manoeuvrability. The engine - fitted with electric start - powers the drive spindle of the drum via a gearbox and hydraulic circuit designed to achieve smooth control of the winding operation.

Powered hydraulic drum lifting device and stabilising jacks enables safe drum handling.

SPECIFICATIONS	
Capacity	3 Tonne @ 250mm diameter
Engine	Diesel or Petrol
Rope Speed	0-100m/min (Adjustable)
Rope Drums	See Optional Extras
Max Drum Diameter	1100mm
Max Drum Width	1075mm (Using solid wooden drum)
Length	3100mm
Width	2300mm
Height	1400mm (Without drums)
Weight	1100kg (Net)

ORDERING INFORMATION	
C-780-30	Overhead Line Construction Winch 3 Tonne Petrol engine
C-780-30-01	Overhead Line Construction Winch 3 Tonne Diesel engine
C-780-30-01-C	Overhead Line Construction Winch 3 Tonne Diesel Engine with oil cooler

OPTIONAL EXTRAS

C-780-05	Triple drum fitted with 1500m of 8mm Paraline Rope
C-1002-10-F	Weatherproof cover
C-780-21	Torque arm assembly with locking collar for use with wooden drums
C-780-07	Triple split drum for old conductors
C-780-06-02	Single steel split drum for old conductors



C-780 4 TONNE OVERHEAD LINE CONSTRUCTION WINCH



Designed to give reliable, flexible winching system to meet all 11/33kV work, together with some 66kV and 132kV maintenance requirements, the system employs a range of drums to suit particular applications.

The powerful winch is mounted on a robust steel chassis with a single axle trailer facility for site manoeuvrability. The engine, fitted with electric start, powers the drive spindle of the drum via a gearbox and hydraulic circuit which is designed to achieve smooth, variable control of the winding operation in either direction.

The powered hydraulic drum lifting device, together with hydraulic stabilising jacks, provides safe drum handling. Hydraulic layering device fitted as standard.

OPTIONAL EXTRAS

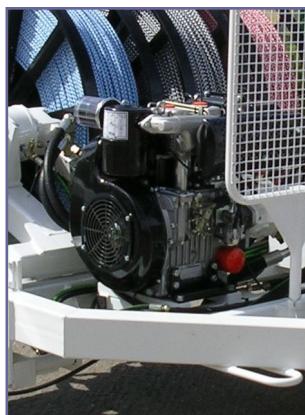
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|-------------|---|
| C-780-24 | Triple drum fitted with 1200m of 10mm Paraline Rope |
| C-1002-10-F | Weatherproof cover |
| C-780-21 | Torque arm assembly with locking collar for use with wooden drums |
| C-780-07 | Triple split drum for old conductors |
| C-780-06-02 | Single steel split drum for old conductors |

SPECIFICATIONS

Capacity	4 Tonne @ 250mm diameter
Engine	Diesel or Petrol
Rope Speed	0-100m/min (Adjustable)
Rope Drums	See Optional Extras
Max Drum Diameter	1100mm
Max Drum Width	1075mm (Using solid wooden drum)
Length	3100mm
Width	2300mm
Height	1400mm (Without drums)
Weight	1100kg (Net)

ORDERING INFORMATION

C-780-40	Overhead Line Construction Winch 4 Tonne Petrol engine
C-780-40-01	Overhead Line Construction Winch 4 Tonne Diesel engine
C-780-40-01-C	Overhead Line Construction Winch 4 Tonne Diesel engine with hydraulic oil cooler



W1-TEW25H-01 TOWER ERECTION WINCH



The TEW25H-01 winch has been designed to comply with all the relevant safety requirements for lifting loads. Two fully automatic, fail safe braking systems are incorporated into the unit.

The first is situated directly in the transmission line and functions every time the winch controls are operated. The second is mounted in direct contact with the rope drum and is controlled by a sensing system acting on the main drive chain and the hydraulic oil pressure. In the unlikely event that the chain should fail, or all hydraulic pressure is lost, then this second brake would automatically apply and hold the load.



SPECIFICATIONS	
Max Load	2500kg
Speed: Bare Drum	5.2m/min
Speed: Full Drum	12.2m/min
Rope Capacity	13mm x 500m 14mm x 450m 16mm x 340m 19mm x 220m
Engine	Air cooled Diesel. Max 13hp @ 3000rpm
Controls	Single dead-man control for raise/lower/ Separate lever for fine speed adjustment
Transmission	Variable output pump, positive displacement motor, chain drive to sliding pinion for free drum facility, final drive via ring gear on rope drum
Safety	Primary brakes - spring applied, pressure released. Secondary brakes - disc brake type. Fold down spade anchor. Front and rear props. Shackle points on frame
Length	3015mm
Width	1410mm
Height	2100mm
Weight	1350kg (Without Rope)

ORDERING INFORMATION

W1-TEW25H-01 Tower Erection Winch 2.5 Tonne

W1-TEW50H-01 TOWER ERECTION WINCH



Hydraulic winch designed to provide reliable and safe lifting operations for tower and mast erection for the electricity or telecommunications industries. Winching is controlled via a proportional hydraulic valve giving the operator precise control over the load when needed or high speed if necessary.

A variable displacement pump automatically regulates flow to prevent engine stall, leaving the operator to concentrate on the winching operation. A secondary 500kg capstan operated via a footswitch is fitted to aid the positioning of load if necessary.

Power is supplied by a 4 cylinder water cooled Perkins diesel engine fitted in an acoustic enclosure for reduced noise. Power on demand is also utilised to further reduce noise levels when the winch is not operating.



SPECIFICATIONS	
Max Load	5000kg
Max Capstan Load	500kg
Speed: Empty	10m/min
Speed: Full Drum	38m/min
Rope Capacity	20mm x 300m
Engine	Water cooled 4 cylinder quiet Diesel. Max 21kW
Winch Controls	Single dead-man proportional control for raise/lower
Capstan Controls	High/low speed valve operated via electric footswitch
Transmission	Variable displacement pump, positive displacement motor with gearbox mounted directly to winch drum
Brakes	Spring applied, pressure released mounted directly onto drum
Length	3313mm
Width	2044mm
Height	2200mm
Unladen Weight	2100kg (Without rope)
Gross Weight	2700kg

ORDERING INFORMATION

W1-TEW50H-01 Tower Erection Winch 5 Tonne



C-1210 SINGLE CAPSTAN WINCH



SPECIFICATIONS	
Capacity	450kg
Rope Speed	12m/min
Capstan Diameter	140mm
Length	510mm
Width	165mm
Weight	16kg
Power Supply	115V AC

The C-1210 Single Capstan Winch has been designed to provide a light and powerful universal winch. Suitable for hoisting loads up poles or transmission towers or pulling cables and conductors.

The optional rope locking device eliminates the need to tie off the rope. A remote foot control switch operates the 115 volt electrically powered winch.

SPARES

C-1210-01-F	Steel storage box
C-1210-02-F	Rope lock device
C-1210-03-F	Universal bracket
C-1210-AS1020-S	Foot switch assembly

ORDERING INFORMATION

C-1210

Single Capstan Electric Winch with foot control, steel box, rope lock device, and universal bracket assembly

OPTIONAL EXTRAS

D-918-14-100-01-F	100m of 14mm 3 strand pre-stretched rope with 50mm hard eyes
D-918-14-100-F	100m of 14mm 3 strand pre-stretched rope with soft eyes
C-GEV-KIGE-02-110-F	110V 2600W generator



C-1035 LIGHTWEIGHT 500kg CAPSTAN WINCH



The C-1035 Lightweight Capstan Winch is designed for use over manholes. Powered by a 5.5HP Honda engine through a right angle gearbox, the C-1035-05 offers a pulling capacity of 500kg with a lighter weight design than the 1000kg version.

C-1035 LIGHTWEIGHT 1000kg CAPSTAN WINCH

SPECIFICATIONS - 500kg

Capacity	500kg
Engine	5.5hp
Length	1100mm
Width	500mm
Height	600mm
Weight	69kg

ORDERING INFORMATION

C-1035-05-0001	Lightweight Capstan Winch - 500kg
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OPTIONAL EXTRAS

D-918-14-100-F	100m of 14mm 3 strand pre-stretched rope with soft eyes
D-918-14-200-F	200m of 14mm 3 strand pre-stretched rope with soft eyes

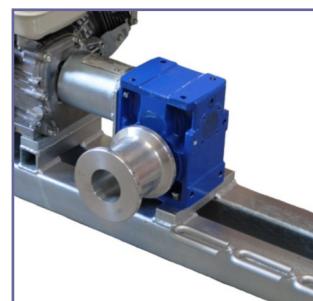
The C-1035 Lightweight Capstan Winch is designed for use over manholes. Powered by a Honda Engine through a right angle gearbox, the C-1035-10 has a more powerful 8HP engine to provide a pulling capacity of 1000kg.

SPECIFICATIONS - 1000kg

Capacity	1000kg
Engine	8hp
Length	1250mm
Width	500mm
Height	600mm
Weight	99kg

ORDERING INFORMATION

C-1035-10	Lightweight Capstan Winch - 1000kg
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C-1045 PULL AND ASSIST WINCH



The C-1045 winch has been designed to meet the requirements of installing telecommunication cables, employing an 813mm diameter single capstan to impact a controlled force to the pulling rope or cable.

The single capstan allows the winch to be placed at the mid point of a section to assist in the pull, thus enabling longer pulls to be achieved. The C-1045 has a rope take up drum, which is driven independently via a hydraulic motor.

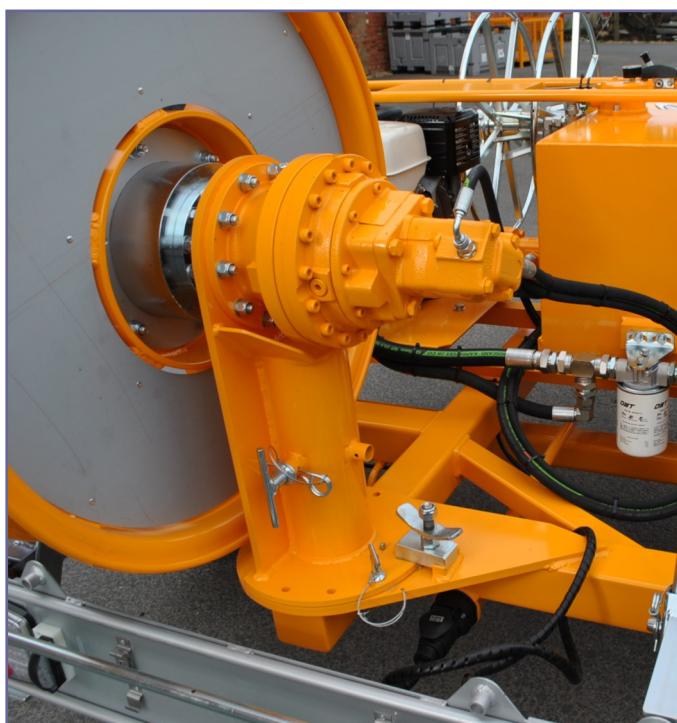
The take up drum has a detachable side, which allows the rope on the drum to be removed in a tidy coil and can be declutched from the drive to allow the rope to be pulled out manually when threading. The winch is powered by a 13hp petrol engine that drives a fixed displacement hydraulic pump, which in turn drives the low speed, high torque, hydraulic motor.

The motor drives the capstan through an epicyclical gearbox. The pulling tension is mounted on a dial read out, allowing the operator to monitor the pull. Tension is adjustable from 0 – 500kg.

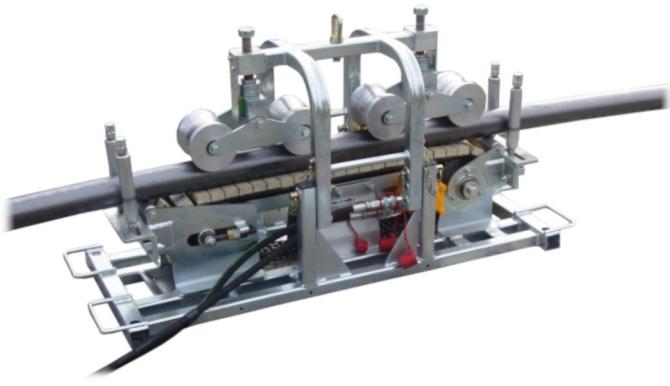


SPECIFICATIONS	
Engine	13hp
Capacity	500kg
Max Rope Speed	50m/min
Capstan Diameter	813mm
Adjustable Tension	0-500kg
Min Length	3200mm
Max Length	3436mm
Width	1750mm
Height	1440mm
Weight	580kg

ORDERING INFORMATION	
C-1045-001-R4	Pull & Assist Winch



C-1350 CABLE PUSHER



The C-1350 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-F Portable Hydraulic Power Pack.

SPECIFICATIONS - 500kg

Cable Size	30-150mm outside diameter
Length	1390mm
Width	500mm
Height	770mm
Weight	200kg
Max Push	700kg
Controls	Single lever for push/pull operations with variable speed control
Drive System	Hydraulic
Recommended	18L/min @ 60 bar

C-1203 HYDRAULIC POWER PACK



ORDERING INFORMATION

C-1203-F	Hydraulic Power Pack with trolley
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ORDERING INFORMATION

C-1350	Cable Pusher
C-1350-01	Control Valve Module with 2m hydraulic hoses

This unit is powered by an air-cooled, 8hp Honda GX240 petrol engine, delivering the recommended 18 litres/min at a working pressure of 60 bar for the C-1350 Cable Pusher.

SPECIFICATIONS

Length	720mm
Width	530mm
Height	615mm
Weight	66kg
Hydraulic Tank Capacity	5 Litres

J2 CABLE LASHER



The J2 Cable Lasher is used to lash an overhead cable or numerous cables to a supporting strand or to an existing lashed cable with stainless steel lashing wire.

The J2 Lasher's design also gives it maximum service life. The body is cylindrical to help it slip more easily through branches and obstructions.

There is a built-in mechanical brake to prevent unintended reversal, an automatic drum lock for easy span transfers, an all range tensioning device for optimum strand traction and high strength front and rear gates for tighter lashing.

G-GMP-70012 - HALO GUARD



ORDERING INFORMATION

G-GMP-86070	J2 Cable Laser with case for 0.045" diameter wire
G-GMP-86071	J2 Cable Lasher with case modified for 450ft for 0.065" diameter wire
G-GMP-86072	J2 Cable Lasher modified for 0.535" strand
G-GMP-86074	J2 Cable Lasher without strand lock

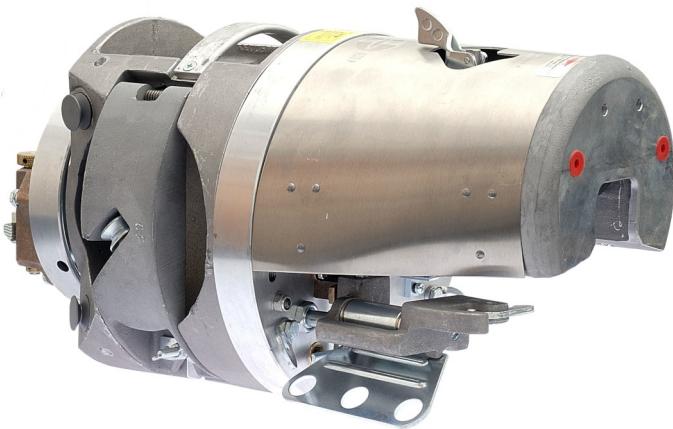
OPTIONAL EXTRAS

G-GMP-03165	Bridge rope assembly
G-GMP-08189	Replacement case
G-GMP-70190	Towing lanyard 10.7m
G-GMP-70012	Lasher "Halo" guard

WEIGHTS

G-GMP-86070	20.9kg
G-GMP-86071	20.9kg
G-GMP-86072	20.9kg
G-GMP-86074	20.9kg
G-GMP-03165	1.4kg
G-GMP-08189	8.6kg
G-GMP-70190	2.7kg
G-GMP-70012	1.4kg

C2 CABLE LASHER



Our compact Model C2 Cable Lasher is perfect for lashing smaller diameter aerial cables to supporting strand with stainless steel lashing wire. The new design improvements make the C2 equally suited for new construction or overlashing up to its full $1\frac{7}{8}$ " (46 mm) bundle capacity.

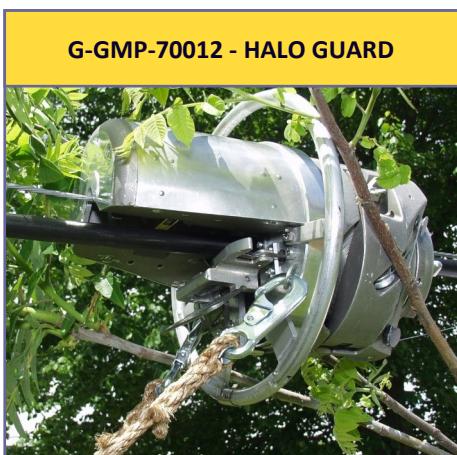
An optional overlash handle (P/N G-GMP-28120) is available which can be placed on the front of the machine without any interference of the opening when overlashing.



ORDERING INFORMATION	
G-GMP-71422	C2 Cable Lasher with case
G-GMP-71424	C2 Cable Lasher without strand lock

OPTIONAL EXTRAS	
G-GMP-07143	Case only
G-GMP-70190	Towing lanyard 10.7m
G-GMP-70011	Lasher "Halo" guard
G-GMP-28119	Replacement drive housing handle
G-GMP-28120	Optional accessory handle

WEIGHTS	
G-GMP-71422	15.9kg
G-GMP-71424	15.9kg
G-GMP-07143	5.0kg
G-GMP-70190	2.7kg
G-GMP-70011	1.4kg
G-GMP-28120	0.9kg



APOLLO CABLE LASHER



The latest word in aerial cable lashing and perfect for all telecom cable construction, including fibre optic hybrid fibre/coaxial and broadband cable. With its light weight and parallel-pull capability, you'll string cable quickly and easily, over all outside plant cable routes.

The Apollo is a machine that's lightweight, easy-to handle and simple to operate and maintain. Apollo has all of the versatility and performance features you need to easily handle today's broadband lashing applications, solving all of the problems associated with pulling parallel to the strand and through densely crowded cable routes.

ORDERING INFORMATION

G-GMP-70400	Apollo Cable Lasher with case
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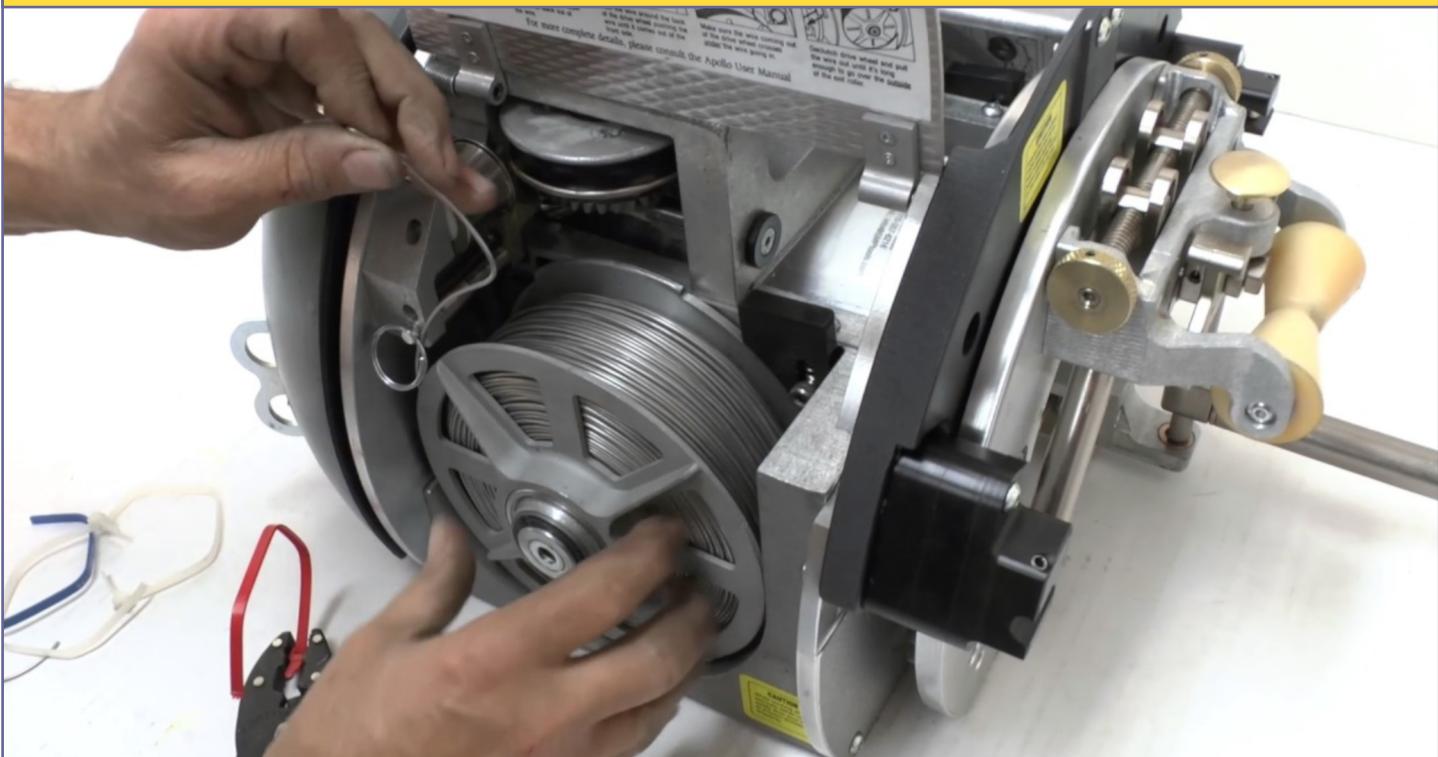
OPTIONAL EXTRAS

G-GMP-30780	Replacement case
G-GMP-70190	Towing lanyard 10.7m

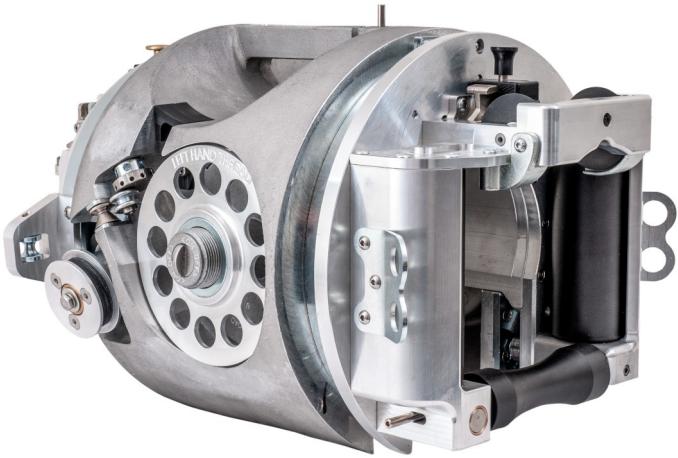
WEIGHTS

G-GMP-70400	21.3kg
G-GMP-70190	1.4kg

APOLLO CABLE LASHER WIRE MOUNTING



SUPER G CABLE LASHER



The largest of our Lashers, this unit is designed to lash large single or combination of overhead cable up to $5\frac{3}{4}$ " diameter to a supporting strand.

Widely used for lashing single or multiple power cables. This big, tough lasher has a pulling mechanism that pivots about the axis of the rear driving roller, so it always applies the right amount of hold down force. For lashing large diameter cable, it's your best choice.

- ◆ Lashes cable from about $2\frac{1}{2}$ " to $5\frac{1}{4}$ " outside diameter or multiple cables up to $5\frac{3}{4}$ " combined outside diameter
- ◆ Lashes on strand from $\frac{11}{32}$ " to $\frac{1}{2}$ " diameter with one or two spiral wrappings of 0.061" or 0.065" diameter stainless steel wire
- ◆ Nominal spacing between wraps is approximately 18-19" (46 to 48cm)
- ◆ Parallel-pull capability overcomes most terrain obstacles
- ◆ Wire tension constant regardless of amount on spool
- ◆ Front rollers guide cables through the machine
- ◆ All smooth edges throughout help protect against cable damage
- ◆ Ergonomic design makes it easy to handle
- ◆ Each lasher includes a 6 ft. bridle rope assembly with snap hooks, an information and operations manual and a heavy duty storage chest
- ◆ Comes with 2 extra reels for easy loading in the field

ORDERING INFORMATION	
G-GMP-10500	Super G Cable Lasher

WEIGHTS	
G-GMP-10500	32.3kg
G-GMP-10502	32.3kg
G-GMP-03165	1.4kg
G-GMP-10501	16.4kg
G-GMP-70190	2.7kg



SIERRA CABLE LASHER



ORDERING INFORMATION

G-GMP-SIERRA Sierra Cable Lasher

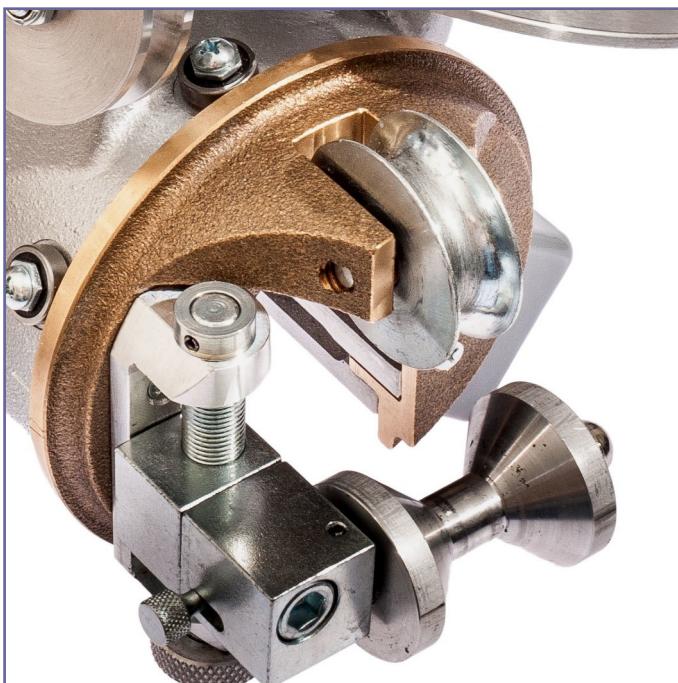
SPECIFICATIONS

Length	380mm
Width	250mm
Height	250mm
Weight (Without wire)	8.6kg

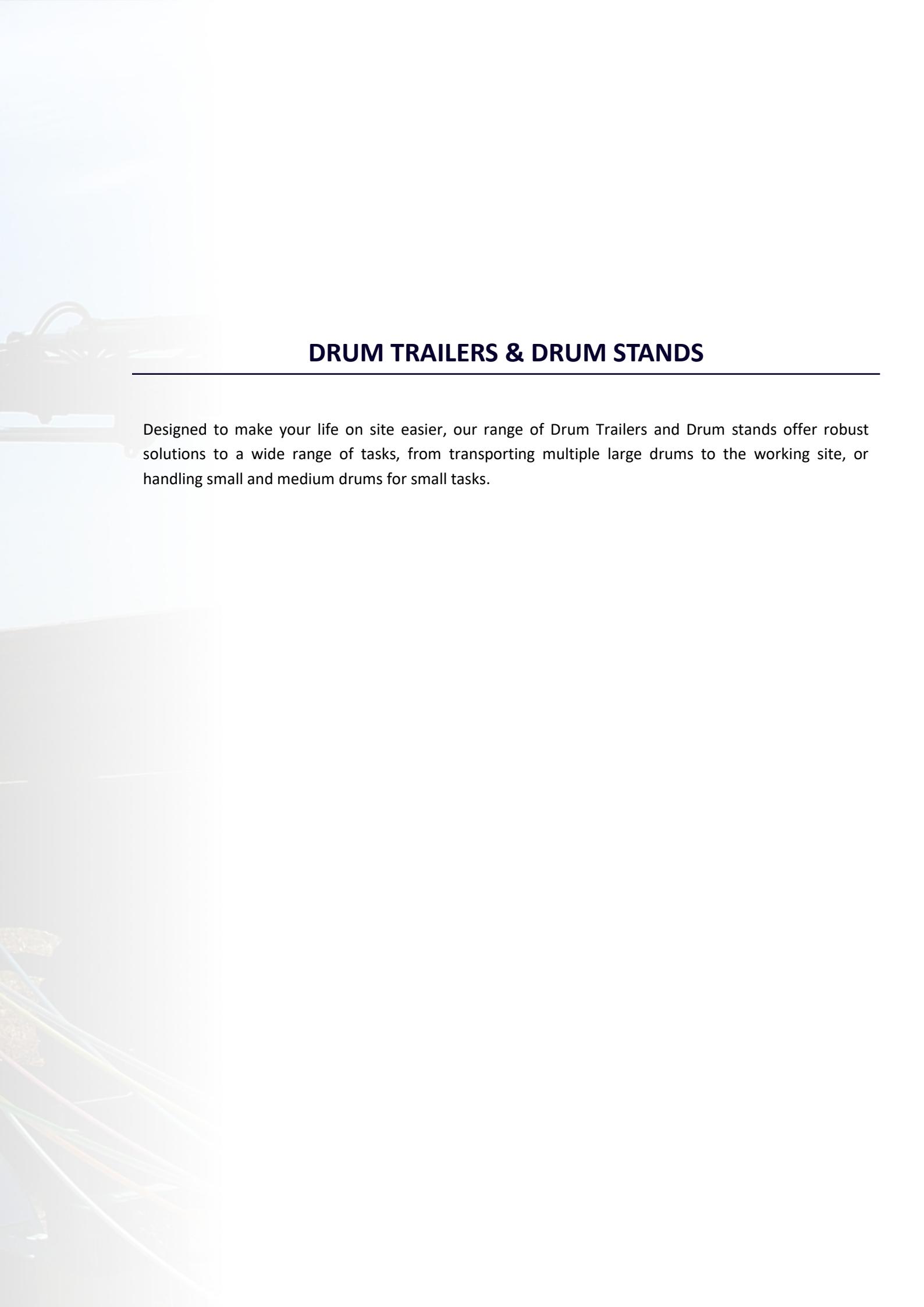
Uses our full-size, industry-standard lashing wire coils available in diameters of 0.97mm x 487m (0.038" x 1600ft) or 1.14mm x 365m (0.045" x 1200ft) Single lashes cables and wires from drop wire size up to 46mm (1.8") maximum outside diameter.

Lashes on strand sizes down as small as 5mm or $\frac{3}{16}$ " all the way up to 12mm or $\frac{1}{2}$ " This lasher drum makes one revolution for every 33cm (13") of travel leaving the wire helically wound around the strand/cable(s) bundle creating one support per revolution.

Made from high-quality materials and precision machined just like its bigger brothers, the SIERRA lasher is ideal for lashing smaller wires and cables where a bigger machine is simply too much. The SIERRA lasher can be pulled equally as easy from below or from directly ahead.







DRUM TRAILERS & DRUM STANDS

Designed to make your life on site easier, our range of Drum Trailers and Drum stands offer robust solutions to a wide range of tasks, from transporting multiple large drums to the working site, or handling small and medium drums for small tasks.

C-751 DRUM TRAILER



The C-751 Drum Trailer comes in three versions, and provides a compact and secure method of drum transportation. Manufactured in strong steel sections, it incorporates manually operated hydraulic lifting of drums.

There is, as an option, the facility to provide a drum braking arrangement, this is particularly useful when pulling the conductor during conductor stringing operations. Trailer braking is of the overrun type and is supplied to EC Specification with auto-reverse as standard. Lights are also fitted as standard. All versions are IVA approved.

FEATURES	
Lighting	Stop, tail, direction, indicators with connectors
Suspension	Swinging arm with aeon suspension
Braking	Drum brakes to EC specification with hand brake
Lifting Arrangement	Hand operated hydraulic pump with individual valves for each ram
Towing Eye	50mm diameter fitted as standard

ORDERING INFORMATION	
C-751-10	C-751 Drum Trailer - 1000kg
C-751-13-01	C-751 Drum Trailer - 1300kg
C-751-16	C-751 Drum Trailer - 1600kg

SPECIFICATIONS	C-751-10	C-751-13-01	C-751-16
Max Drum Weight	1000kg	1300kg	1630kg
Max Drum Width	1050mm	1100mm	1050mm
Min Drum Diameter	1000mm	800mm	900mm
Max Drum Diameter	1800mm	2000mm	2185mm
Tyres	185 R13	195 R14 08	215/75R 16C
Length	2700mm	3172mm	3419mm
Width	1950mm	2140mm	2233mm
Height (No Drum)	1350mm	1646mm	1855mm
Weight	350kg	475kg	680kg
Spindle Diameter	63mm	63.5mm	70mm

C-1290 TRIPLE BRAKED DRUM TRAILER



A uniquely versatile tool. A single operator can independently control the tension of all three conductors.

Ideally suited to the needs of cost conscious installation crews who require fast turnarounds and maximum productivity. Supplied with a full set of detachable stabilisers to maximise trailer stability during tensioning.

Fitted with smooth operating disk brake for conductor control.

- ◆ Low centre of gravity
- ◆ Off set drums to enhance stability during towing
- ◆ Independent disc braking of each drum
- ◆ Standard drum drive pin location
- ◆ Convenient storage area for stabilisers (located in base frame)

SPECIFICATIONS	
Length	4710mm
Width	1768mm
Height	1777mm
Weight (Net)	1000kg
Weight (Gross)	3100kg
Max Drum Diameter	1220mm
Max Drum Width	830mm
Braking Capacity	60kgm
Drum Hole	65mm / 80mm - Specify when ordering
Max Drum Weight	3x 650kg

ORDERING INFORMATION	
C-1290-05	Triple Braked Drum Trailer
D-804	Ground Anchor Set - 2x required

D-804 - GROUND ANCHOR SET



D-496-01 ROLL ON DRUM STAND



D-496-01 Roll on Drum Stand allows a range of drums to be accommodated to suit the majority of applications. Manufactured in steel, with ball bearings in the rollers, the stand is suitable for pulling off cable from the drum.

ORDERING INFORMATION

D-496-01 Roll on Drum Stand

SPECIFICATIONS

Max Drum Weight	1500kg
Min Drum Diameter	300mm
Max Drum Diameter	1500mm
Drum Width	Adjustable
Length	900mm
Width	200mm
Height	100mm
Weight	46kg

D-998 ROLL ON DRUM STAND



Manufactured in steel, with sleeved bearings in the rollers, this portable lightweight unit is particularly suitable for small to medium drum sizes.

ORDERING INFORMATION

D-998 Roll on Drum Stand

SPECIFICATIONS

Max Drum Weight	500kg
Min Drum Diameter	300mm
Max Drum Diameter	600mm
Drum Width	600mm
Length	550mm
Width	630mm
Height	90mm
Weight	14kg

CABLE DRUM JACKS



Manufactured in a sturdy steel construction, with heavy-duty Acme screw threads to provide safe

	D-246-1-F	D-247-F	D-248-1-F
Length	300mm	460mm	600mm
Width	300mm	300mm	300mm
Height	570mm	710mm	835mm
Weight	19kg	23kg	36kg
Lifting Capacity (Pair)	3 Tonne	6 Tonne	8 Tonne

ORDERING INFORMATION

D-246-1-F	3 Tonne Drum Jack - 2x required	D-248-1-F	8 Tonne Drum Jack - 2x required
D-247-F	6 Tonne Drum Jack - 2x required	D-454-1-F	Drum Jack Steady Base

D-692 DRUM CRADLE



This universal drum handling aid finds use in drum storage yards for lifting drums for cable removal or on site for pulling out conductors.

SPECIFICATIONS	D-692	D-692-01
Max Drum Diameter	1500mm	1500mm
Max Drum Width	800mm	1000mm
Length	1850mm	1850mm
Width	1050mm	1300mm
Height	865mm	865mm
Weight	32kg	35kg
SWL	1500kg	1500kg

ORDERING INFORMATION

D-692	Drum Cradle - 800mm Wide	D-692-01	Drum Cradle - 1000mm Wide
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D-684 BRAKED DRUM STAND



The CBS D-684 drum stand is compact in size. Each side is fitted with wheels to allow for easy transportation.

Drum lifting is achieved with two hand operated hydraulic jacks.

An adjustable band brake provides controlled cable tensioning.

ORDERING INFORMATION

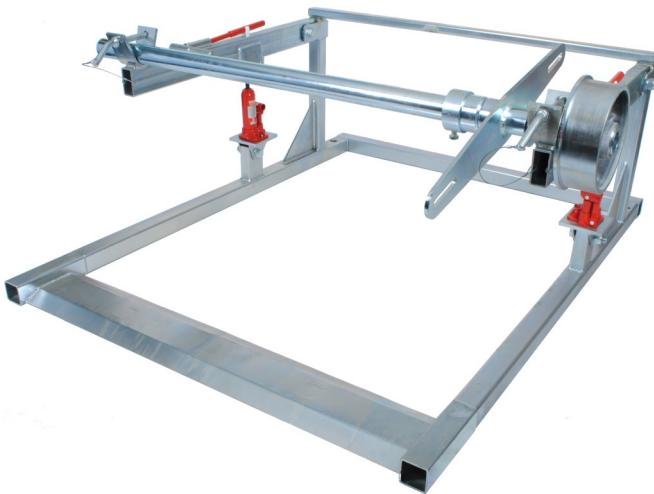
D-684-2-2 2000kg Braked Drum Stand

D-684-2-4 4000kg Braked Drum Stand

	D-684-2-2	D-684-2-4
Max Drum Weight	2000kg	4000kg
Max Drum Width	1640mm	1640mm
Min Drum Diameter	1500mm	1500mm
Max Drum Diameter	2400mm	2200mm
Spindle Diameter	73mm	73mm
Length	1790mm	1790mm
Width Per Side	462mm	462mm
Height	560mm	560mm
Weight	250kg	245kg



D-711 BRAKED DRUM STAND

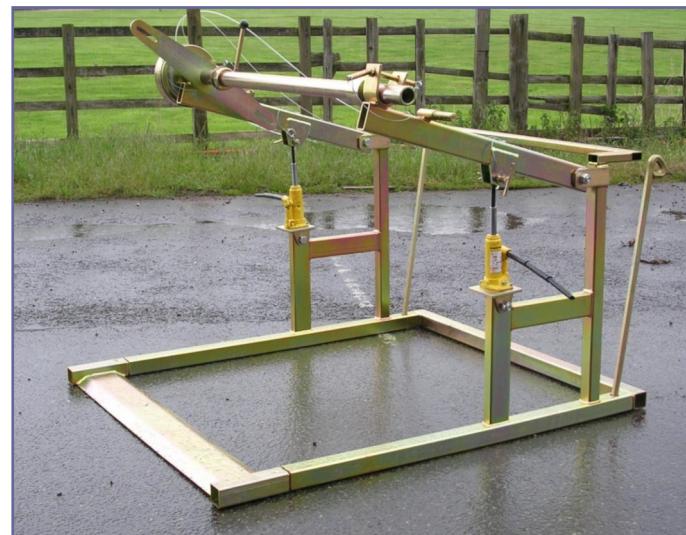


The CBS D-711 Braked Drum Stand has been designed in sections for ease of transportation and is simple to assemble.

The stand incorporates a band brake to provide smooth cable tensioning.

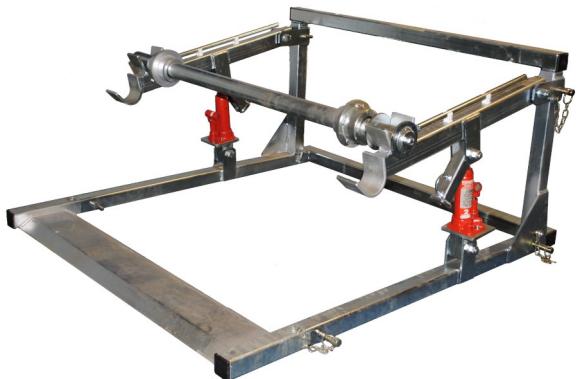
Two hydraulic pumps provide drum lifting to a suitable working height.

ORDERING INFORMATION	
D-711	Braked Drum Stand - 1600x1000mm
D-711-1	Braked Drum Stand - 1200x1000mm
D-711-01	Braked Drum Stand - 1900x1100mm
D-711-02	Braked Drum Stand - 1900x1300mm



SPECIFICATIONS	D-711	D-711-1	D-711-01	D-711-02
Max Drum Weight	1500kg	1500kg	1500kg	1500kg
Max Drum Width	1000mm	1000mm	1100mm	1300mm
Min Drum Diameter	1000mm	600mm	900mm	900mm
Max Drum Diameter	1600mm	1200mm	1900mm	1900mm
Spindle Diameter	54mm	54mm	54mm	54mm
Length	1640mm	1640mm	1640mm	1640mm
Width	1480mm	1480mm	1480mm	1480mm
Height	630mm	630mm	900mm	900mm
Weight	122kg	128kg	132kg	135kg

D-1156-01 CABLE DRUM STAND



Designed in sections for ease of transportation and simply slots together to form a rigid and stable drum stand. The shaft is fitted with bearings and drum location collars are also included. Two hydraulic jacks provide drum lifting.

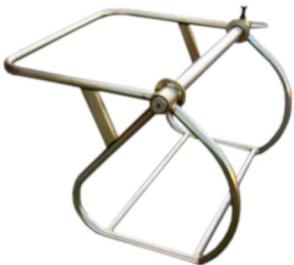
ORDERING INFORMATION

D-1156-01 Cable Drum Stand

SPECIFICATIONS

Max Drum Weight	500kg
Min Drum Diameter	850mm
Max Drum Diameter	1200mm
Max Drum Width	800mm
Length	1278mm
Width	1270mm
Height	615mm
Spindle Diameter	51mm
Weight	98kg

C-1325 CABLE DRUM CRADLE



The Drum Cradle has been designed to lift 2 x 1200 mm maximum diameter of micro duct with a total weight of 200kg. The Drum Cradle is a rigid tubular steel construction with a detachable drum spindle and drum spacer, the drum spacer prevents the drums from rotating against each other.

ORDERING INFORMATION

C-1325 Cable Drum Cradle

SPECIFICATIONS

Max Drum Weight	200kg
Min Drum Diameter	850mm
Max Drum Diameter	1200mm
Min Drum Bore	63mm
Length	1110mm
Width	1200mm
Height	790mm
Weight	32kg

HYDRAULIC DRUM 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. Complete with spindle and collars.

	D-536-F	D-536-01-F	D-536-01-F
Min Drum Diameter	800mm	880mm	1080mm
Max Drum Diameter	2500mm	3000mm	3500mm
Weight	106kg	121kg	180kg
Spindle Weight	30kg	44kg	53kg
Lifting Capacity	3 Tonne	6 Tonne	10 Tonne

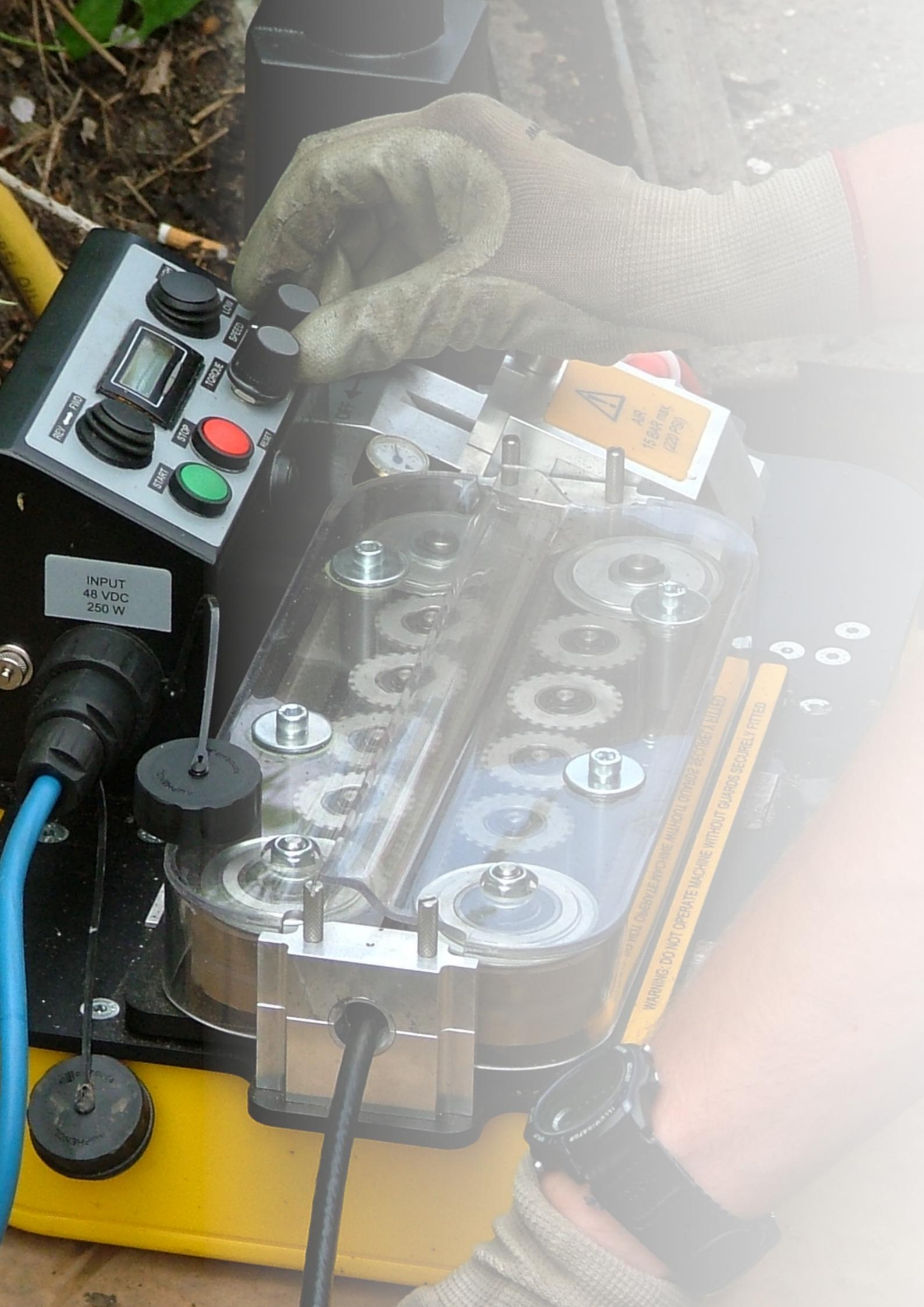
ORDERING INFORMATION

D-536-F	3 Tonne Hydraulic Drum Jack
D-536-01-F	6 Tonne Hydraulic Drum Jack
D-536-02-F	10 Tonne Hydraulic Drum Jack

CABLE DRUM SPINDLES



ORDERING INFORMATION	DIAMETER	LENGTH	WEIGHT
D-249	50mm	1200mm	19.0kg
D-249-03	50mm	1500mm	23.4kg
D-249-04	50mm	1830mm	29.0kg
D-250	75mm	1830mm	66.0kg
D-250-02	75mm	2000mm	73.0kg
D-250-07	75mm	2600mm	92.5kg
D-251	90mm	2300mm	115kg
D-251-02	90mm	2500mm	125.0kg
D-251-03	90mm	3000mm	150kg



WARNING: DO NOT OPERATE MACHINE WITHOUT GUARDS SECURELY FITTED

AIR
15 BAR max
(220 PS)

INPUT
48 VDC
250 W

CABLE BLOWING MACHINES, COMPRESSORS, AND BLOWING ACCESSORIES

Our specialist blowing machines offer the fastest way to install cables into cable ducts. Our class leading Tornado blowing machine is highly versatile to fulfil any industrial installation needs, while our compact units like the Breeze and AccelAir2 offer portable installation solutions for any site.

TORNADO PLUS BLOWING MACHINE



CONTROL PANEL FEATURES

- ◆ Power on/off button
- ◆ Emergency stop button
- ◆ Reset button
- ◆ Combined length counter recording in metres (feet) and cable speed read out in metres/min (feet/min)
- ◆ Hydraulic pressure read out dial
- ◆ Air pressure read out dial
- ◆ Hydraulic on/off control valve
- ◆ Adjustable speed control for drive belts
- ◆ Air supply control on/off with automatic exhaust function

ORDERING INFORMATION

C-1250-08

Tornado Plus Cable Blowing Machine

The cable blowing machine, comprising an air box and cable pusher, has been designed to provide an effective and safe method of fibre optic cable installation.

The system installs fibre optic cable of 6mm (0.25") to 32mm (1.25") overall diameter, at speeds up to 90m/min (300ft/min), into pre-installed ducts. The electronic monitoring system provides read out of speed and distance, gives protection against duct obstructions and includes an emergency stop facility.

The system is mounted on an anti-corrosion treated, height adjustable, wheeled tubular steel trolley. This allows the unit to be wheeled around on site. The C-1203 hydraulic petrol driven power pack provides power. The unit is CE approved.

AIR BOX FEATURES

- ◆ Manufactured in aluminium
- ◆ Range taking of cables from 6mm – 32mm (0.25"-1.25") by means of interchangeable collets with double cable sealing arrangement
- ◆ Duct sealing at mouth of air box
- ◆ Duct gripping facility designed to obviate duct crushing and distortion
- ◆ All seals, except cable seals, have a common diameter cord
- ◆ Upper section of air box is retained. Air box aligned is adjustable for varying cable diameters
- ◆ No tools are required to split air box for insertion of cable and duct
- ◆ On/off air control valve with automatic air exhaust from duct when in "off" position

CHASSIS FEATURES

- ◆ Front mounted wheels for ease of manoeuvrability
- ◆ Lightweight anti-corrosion treated tubular steel frame
- ◆ Adjustable frame allowing unit to be tilted up to 30°, reducing bending of duct and cable
- ◆ Adjustable rear legs for uneven terrain

STORAGE CASE FEATURES

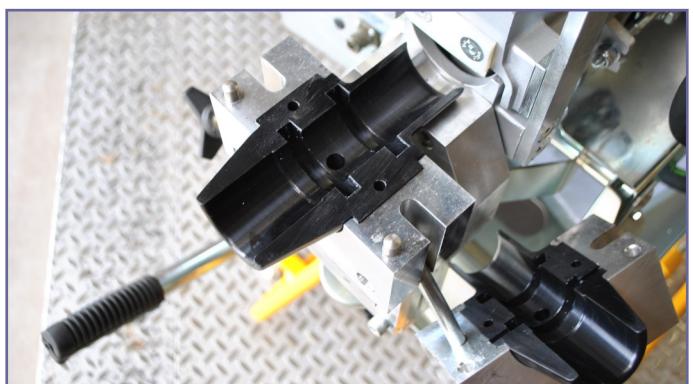
- ◆ Operating Manual
- ◆ Instructional Video

CABLE FEEDER FEATURES

- ◆ Manufactured in cast aluminium
- ◆ Unit lifts and splits to allow insertion of cable between drive belts
- ◆ Drive belts are profiled polyurethane, moulded
- ◆ Belt tension can be set by means of adjustable chain drive tensioners fitted to the side of the unit
- ◆ System relief valve fitted as standard

TOOL BOX CONTENTS

- ◆ 3mm Allen Key
- ◆ 4mm Allen Key
- ◆ 5mm Allen Key
- ◆ 6mm Allen Key
- ◆ 3mm dia. Cord x 2.5 metres long
- ◆ Silicone Grease
- ◆ Pliers 150mm
- ◆ Screwdriver 150mm (slot)
- ◆ Knife
- ◆ 13-17mm A/F Spanner
- ◆ Battery Charger
- ◆ Battery Charge Indicator



TORNADO PLUS CONFIGURATION

In order to customise your new "Tornado" to your application, we ask that you pick one of each from the list below, the Duct Clamp Collet (A), the Duct Seal Collet (B), the Cable Collet Assy (C) and the In Feed Cable Collet (D), the Cable Seals (E) and the Cable Seal Plug (F). When ordering, please have Tube and Cable dimensions available.



A. DUCT CLAMP COLLET

C-1258-0200-25	25mm Duct Outside Diameter
C-1258-0200-32	32mm Duct Outside Diameter
C-1258-0200-38	38mm Duct Outside Diameter
C-1258-0200-40	40mm Duct Outside Diameter
C-1258-0200-50	50mm Duct Outside Diameter



B. DUCT SEAL COLLET

C-1257-0202-25	25mm Duct Outside Diameter
C-1257-0202-32	32mm Duct Outside Diameter
C-1257-0202-38	38mm Duct Outside Diameter
C-1257-0202-40	40mm Duct Outside Diameter
C-1257-0202-50	50mm Duct Outside Diameter



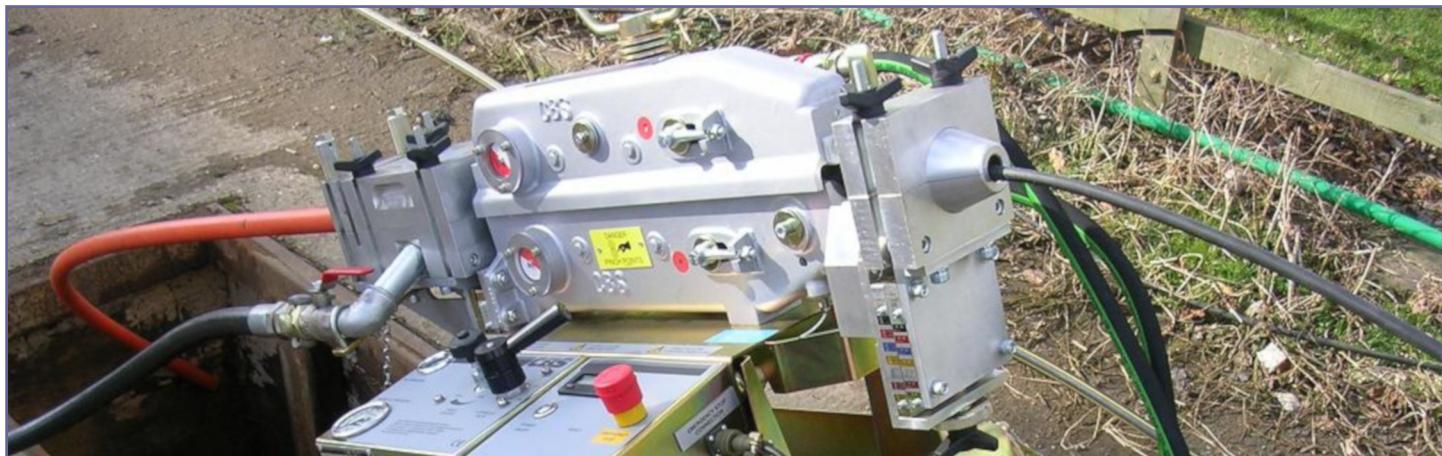
CABLE DIAMETER	C. CABLE COLLET ASSEMBLY	D. IN-FEED CABLE COLLET
6-9mm	C-1256-0103-06-09	C-1256-0104-06-09
9-12mm	C-1256-0103-09-12	C-1256-0104-09-12
12-16mm	C-1256-0103-12-16	C-1256-0103-12-16
16-20mm	C-1256-0103-16-20	C-1256-0103-16-20
20-24mm	C-1256-0103-20-24	C-1256-0103-20-24
24-28mm	C-1256-0103-24-28	C-1256-0103-24-28
28-32mm	C-1256-0103-28-32	C-1256-0103-28-32

**E. CABLE SEALS**

C-1255-0208-06-07.5	6-7.5mm Cable Diameter
C-1255-0208-07.5-09	7.5-9mm Cable Diameter
C-1255-0208-09-10.5	9-10.5mm Cable Diameter
C-1255-0208-10.5-12	10.5-12mm Cable Diameter
C-1255-0208-12-14-F	12-14mm Cable Diameter
C-1255-0208-14-16-F	14-16mm Cable Diameter
C-1255-0208-16-18-F	16-18mm Cable Diameter
C-1255-0208-18-20-F	18-20mm Cable Diameter
C-1255-0208-20-22-F	20-22mm Cable Diameter
C-1255-0208-22-24-F	22-24mm Cable Diameter
C-1255-0208-24-26-F	24-26mm Cable Diameter
C-1255-0208-26-28-F	26-28mm Cable Diameter
C-1255-0208-28-30-F	28-30mm Cable Diameter
C-1255-0208-30-32-F	30-32mm Cable Diameter

F. CABLE SEALS PLUG

C-1256-0206-07.5	6-7.5mm Cable Diameter
C-1256-0206-09	7.5-9mm Cable Diameter
C-1256-0206-10.5	9-10.5mm Cable Diameter
C-1256-0206-12	10.5-12mm Cable Diameter
C-1256-0206-14	12-14mm Cable Diameter
C-1256-0206-16	14-16mm Cable Diameter
C-1256-0206-18	16-18mm Cable Diameter
C-1256-0206-20	18-20mm Cable Diameter
C-1256-0206-22	20-22mm Cable Diameter
C-1256-0206-24	22-24mm Cable Diameter
C-1256-0206-26	24-26mm Cable Diameter
C-1256-0206-28	26-28mm Cable Diameter
C-1256-0206-30	28-30mm Cable Diameter
C-1256-0206-32	30-32mm Cable Diameter



C-1240-03 CABLE FLOATING WATER PUMP



The CBS C-1240 Cable Floating Water Pump has been designed to work in conjunction with the C1250 Tornado to install fibre cables using water instead of air.

SPECIFICATIONS

Engine	Petrol 8hp
Max Water Pressure	20 Bar
Flow	107L/min
Dimensions	900x790x662mm
Weight	110kg

ORDERING INFORMATION

C-1240-03	Cable Floating Water Pump
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C-1203 HYDRAULIC POWER PACK



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

The unit is powered by an air-cooled, 8hp Honda GX240 petrol engine, delivering 15 litres/min at a working pressure of 115 bar from the hydraulic circuit.

SPECIFICATIONS

Length	720mm
Width	530mm
Height	615mm
Weight	66kg
Hydraulic Tank Capacity	5 Litres

ORDERING INFORMATION

C-1203-F	Hydraulic Power Pack with trolley
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COMP AIR C-COMP COMPRESSORS



All compressors are fitted with air coolers, condensation separator and air filtration and come mounted on a two-wheel trailer.

The compressors feature clearly visible instruments, as well as individual fault indicators, such as battery pilot lamp and warming-up button. The panel uses a robust relay switching system with plug-in relays in a closed circuit system to fully protect the complete unit.

The instrument panel is protected against vandalism by a strong lockable steel enclosure.

ORDERING INFORMATION

C-COMP-85-12-F	CompAir 25-32mm EU Unit Compressor
C-COMP-115-12-F	CompAir 32-40mm Non-EU Unit Compressor
C-COMP-115-12-01-F	CompAir 32-40mm EU Unit Compressor



SPECIFICATIONS	C-COMP-C85-12-F	C-COMP-C115-12-F	C-COMP-C115-12-01-F
Manufacturer	CompAir	CompAir	CompAir
EU Unit	Yes	No	Yes
Duct Inner Bore	25-32mm	32-40mm	32-40mm
Output @ 12 Bar	300cfm (8.5m³/min)	406cfm (11.5m³/min)	406cfm (11.5m³/min)
Weight	1980kg	1995kg	1995kg
Length Over Tow bar	4.5m	4.5m	4.5m
Width	1.8m	1.8m	1.8m
Height	1.8m	1.8m	1.8m

C-1227-01 COMPRESSED AIR COOLER



The Compressor Aftercooler has been designed to cool compressed air and remove water droplets prior to entering a CBS Tornado Cable Blowing Machine.

The cooler unit is mounted on a tubular steel frame and is complete with pneumatic wheels and transit handle for easy manoeuvrability.

An air driven motor impeller forces cooling air through the Compressor Aftercooler and reduces the temperature of the compressed air by approximately 10° centigrade. The air motor is driven by compressed air taken from the down stream side of the water separator and passes through a filter regulator-lubricator assembly prior to entering the air motor.

The Compressor Aftercooler is fitted with cam action quick release air hose couplings for easy fitting to interconnection air hoses normally supplied by CBS Products with a Tornado Cable Blowing Machine. Waste oil/water mixtures are collected in a frame mounted drain can for environmentally acceptable disposal.

The water separator protector bar doubles as a carry handle to assist with moving over soft terrain or loading into a vehicle.

SPECIFICATIONS	
Length	1135mm
Width	640mm
Height	1000mm
Weight	74kg
Max Working Pressure	12 Bar
Max Air Compressor	12m ³ /min
Max Air Inlet Temperature	65°C
Max Air Outlet Temperature	50°C
Max Ambient Air Temperature	45°C
Air Hose Connections Type	1 1/2" cam and groove quick couplings

ORDERING INFORMATION	
C-1227-01	Trolley mounted aftercooler unit with 15m hose
C-1250-AS1015-1	Air Hose CBM/COOLER with securing clip



C-1265-20-01-R5 CABLE FLEETER



The Fleeter replaces the manual method of “figure of eighting” cable and provides protection and security for the cable. Following installation of the cable in the first leg of the duct route, the balance of the cable is removed from the drum and fed into the Fleeter, thereby releasing the cable end ready for blowing into the second leg.

The Fleeter provides a smooth and simple system whilst ensuring cable protection from pedestrians or vehicles and prevents contamination from mud, soil or dust. The Fleeter is designed to work in conjunction with the Cable Blowing Machine, which provides the cable feed in and out of the Fleeter.

The unit accepts 3,000 metres of 13mm cable, allowing drum lengths of 6,000 metres to be utilized.

The Fleeter consists of a road going trailer chassis upon which is mounted a cable storage cassette, rotating cable guide quadrant and duct clamp assembly.

SPECIFICATIONS	
Length	3420mm
Width	2300mm
Height	2330mm
Weight	325kg
Tyre Size	145R 10
Brakes	Inertia with auto reverse
Cassette	2x0.85m
Rear Corner Steadies	2 off
Spirit Level Mounted	1 off
Towing Hitch	30/40mm Eye or 50mm Ball

ORDERING INFORMATION

C-1265-20-01-R5 Cable Fleeting Device



TORNADO TUBE BLOWING MACHINE



The tube-blowing machine, comprising an air box and pusher, has been designed to provide an effective and safe method of installing Micro-tubes.

Operating on the viscous drag principle using compressed air to install the tubes, controlled and assisted by a belt drive system. The electronic monitoring system provides read out of speed and distance, gives protection against duct obstructions and includes an emergency stop facility.

DUCT CLAMP COLLET

ORDERING INFORMATION

C-1258-0200-25	25mm
C-1258-0200-32	32mm
C-1258-0200-38	38mm
C-1258-0200-40	40mm
C-1258-0200-50	50mm

DUCT CLAMP COLLET

ORDERING INFORMATION

C-1257-0202-25	25mm
C-1257-0202-32	32mm
C-1257-0202-38	38mm
C-1257-0202-40	40mm
C-1257-0202-50	50mm

ORDERING INFORMATION

C-1250-TBK-2x12	2x12mm Tube Blowing Kit
C-1250-TBK-3x12	3x12mm Tube Blowing Kit
C-1250-TBK-4x12	4x12mm Tube Blowing Kit
C-1250-TBK-6x12	6x12mm Tube Blowing Kit
C-1250-TBK-7x10	7x10mm Tube Blowing Kit
C-1250-TBK-5x10	5x10mm Tube Blowing Kit
C-1250-TBK-4x10	4x10mm Tube Blowing Kit
C-1250-TBK-3x10	3x10mm Tube Blowing Kit
C-1250-TBK-2x10	2x10mm Tube Blowing Kit
C-1250-TBK-10x7	10x7mm Tube Blowing Kit
C-1250-TBK-7x7	7x7mm Tube Blowing Kit
C-1250-TBK-6x7	6x7mm Tube Blowing Kit

TUBE BLOWING CONVERSION KITS



The tube blowing conversion kits are initially used to convert an existing Tornado Cable Blowing Machine into a Tube Blowing Machine for installing micro tubes into ducts. If additional Tube Bundle Configurations are required, additional Tube Kits would be needed.

ORDERING INFORMATION	
C-1250-CON-2x12	2x12mm Conversion Kit
C-1250-CON-3x12	3x12mm Conversion Kit
C-1250-CON-4x12	4x12mm Conversion Kit
C-1250-CON-6x12	6x12mm Conversion Kit
C-1250-CON-7x10	7x10mm Conversion Kit
C-1250-CON-5x10	5x10mm Conversion Kit
C-1250-CON-4x10	4x10mm Conversion Kit
C-1250-CON-3x10	3x10mm Conversion Kit
C-1250-CON-2x10	2x10mm Conversion Kit
C-1250-CON-10x7	10x7mm Conversion Kit
C-1250-CON-7x7	7x7mm Conversion Kit
C-1250-CON-6x7	6x7mm Conversion Kit

KIT CONTENTS

- ◆ 2 off – Hydraulic Motors
- ◆ 1 off – Tube Guide & Screws
- ◆ 2 off – Drive Chassis (upper & lower)
- ◆ 1 off – Venturi Collet
- ◆ 1 off – Tube Guide Collet
- ◆ 1 off – Tube Guide Collet



TUBE BLOWING ACCESSORIES

CBS has developed a micro tube pressuring system, which prevent potential problems where the blowing air can collapse the tubes. The system charges the tubes on their drums, this keeps the micro tubes stiff and resilient during the tube installation procedure.

Therefore before tube installation beings, CBS recommends that each length of tube is pressurised with use of the following equipment.

TUBE PRESSURE INFLATOR



MULTI PRESSURISATION KIT



ORDERING INFORMATION

C-1250-002 Tube Pressure Inflator

ORDERING INFORMATION

C-1250-003 Multi Pressurisation Kit

HEAT SHRINK CAPS 20 PACK



10mm PLUG



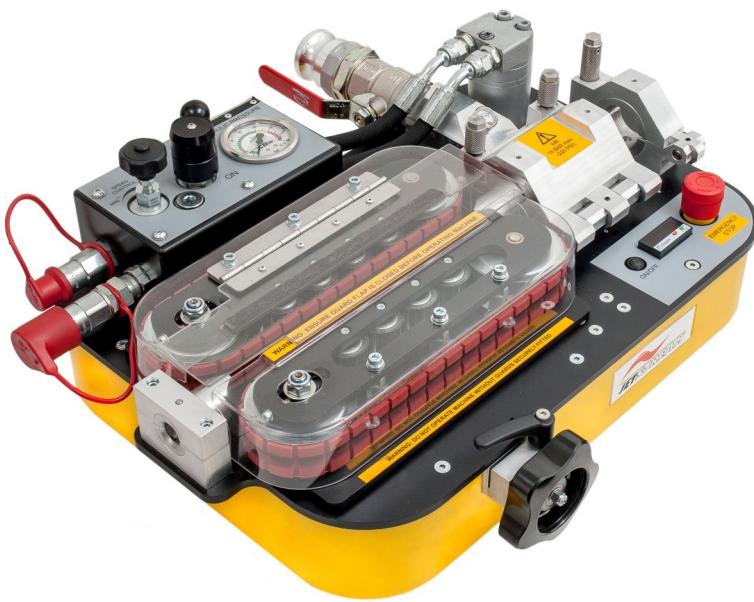
ORDERING INFORMATION

C-1250-001-HS-20 Heat Shrink Caps x20

ORDERING INFORMATION

C-1250-AS1002-10x8 10mm Plug

JETSTREAM CABLE BLOWING MACHINE



The C-1900 JetStream has been designed to provide maximum cable protection, combined with the performance and reliability of hydraulic drive. The profiled double drive belt system is driven by single 32cc hydraulic motor, powered by the proven C-1203-F power pack.

The electronic monitoring system provides read-out of speed and distance, gives protection against duct obstructions and includes emergency stop facility.

The C-1900 is adjustable to suit a wide range of cable diameters 4-20mm, and duct diameters 12-50mm.

MAIN FEATURES

- ◆ Automatic Cable Centralisation
- ◆ Synchronous high grip profiled drive belts
- ◆ Table top design
- ◆ Variable speed control
- ◆ Single person operation
- ◆ Digital cable speed and length monitoring
- ◆ Integral air valve and pressure gauge
- ◆ Easy cable threading
- ◆ Polycarbonate safety guarding
- ◆ Low maintenance
- ◆ Wheeled Travel case
- ◆ Tool kit

SPECIFICATIONS

Cable Range	4-20mm
Duct Range	12-50mm
Cable Speed	85m/min
Pushing Force	600N
Maximum Air Pressure	15 Bar
Drive Media	Hydraulic
Drive Type	Profiled Belt
Drive Orientation	Horizontal
Cable Speed Measurement	Proximity Switch
Length	700mm
Width	590mm
Height	550mm
Weight	60kg

ORDERING INFORMATION

C-1900

JetStream Cable Blowing Machine

JETSTREAM CONFIGURATION

In order to configure your JetStream to your application, we ask that you pick one of each from the list below, the cable collet assembly (A), the duct clamp and seal collets (B) and cable seals (C).



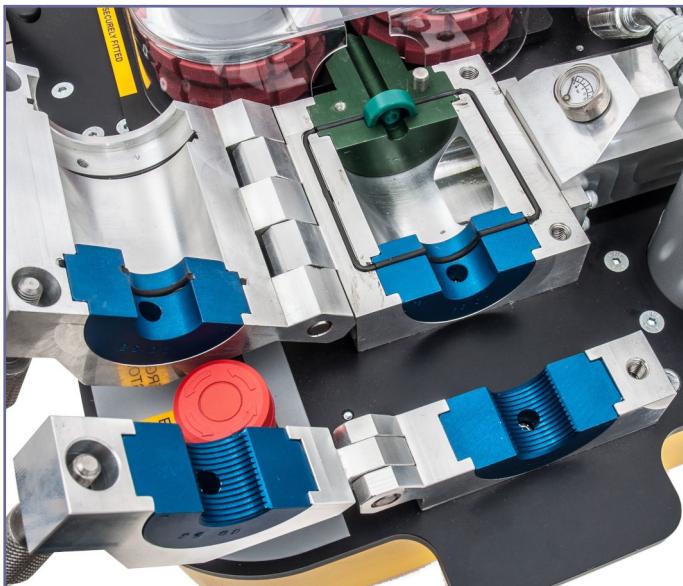
A. CABLE COLLET ASSEMBLY

C-1900-C-0406	4-6mm Cable Diameter
C-1900-C-0609	6-9mm Cable Diameter
C-1900-C-0912	9-12mm Cable Diameter
C-1900-C-1216	12-16mm Cable Diameter
C-1900-C-1620	16-20mm Cable Diameter



B. DUCT CLAMP & SEAL COLLET

C-1900-D-12	12mm Duct Outside Diameter
C-1900-D-14	14mm Duct Outside Diameter
C-1900-D-16	16mm Duct Outside Diameter
C-1900-D-18	18mm Duct Outside Diameter
C-1900-D-25	25mm Duct Outside Diameter
C-1900-D-32	32mm Duct Outside Diameter
C-1900-D-40	40mm Duct Outside Diameter
C-1900-D-50	50mm Duct Outside Diameter



**C. CABLE SEALS (10 PACK)**

C-1255-0208-04-05	4-5mm Cable Diameter
C-1255-0208-05-06-1	5-6mm Cable Diameter
C-1255-0208-06-07.5	6-7.5mm Cable Diameter
C-1255-0208-07.5-09	7.5-9mm Cable Diameter
C-1255-0208-09-10.5	9-10.5mm Cable Diameter
C-1255-0208-10.5-12	10.5-12mm Cable Diameter
C-1255-0208-12-14-F	12-14mm Cable Diameter
C-1255-0208-14-16-F	14-16mm Cable Diameter
C-1255-0208-16-18-F	16-18mm Cable Diameter
C-1255-0208-18-20-F	18-20mm Cable Diameter

D. CABLE SEAL PLUG

C-1256-0206-05	4-5mm Cable Diameter
C-1256-0206-06	5-6mm Cable Diameter
C-1256-0206-07.5	6-7.5mm Cable Diameter
C-1256-0206-09	7.5-9mm Cable Diameter
C-1256-0206-10.5	9-10.5mm Cable Diameter
C-1256-0206-12	10.5-12mm Cable Diameter
C-1256-0206-14	12-14mm Cable Diameter
C-1256-0206-16	14-16mm Cable Diameter
C-1256-0206-18	16-18mm Cable Diameter
C-1256-0206-20	18-20mm Cable Diameter

TUBE SEAL O RINGS**ORDERING INFORMATION**

C-1300-TS-12-5	12mm Seal O Rings
C-1300-TS-14-5	14mm Seal O Rings
C-1300-TS-16-5	16mm Seal O Rings
C-1300-TS-18-5	18mm Seal O Rings

DRIVE BELTS**ORDERING INFORMATION**

C-1900-DB	6-20mm Drive Belts
C-1900-DB-1	4-16mm Drive Belts

AIRSTREAM CABLE BLOWING MACHINE



MAIN FEATURES

- ◆ Automatic Cable centralising.
- ◆ Synchronous high grip profiled compliant drive belts.
- ◆ Table top design with ergonomic controls for ease of operation.
- ◆ Forward and reverse. Variable torque and speed controls.
- ◆ Digital servo motor drive system.
- ◆ Auto stop facility when air stone fitted.
- ◆ Digital cable speed and length monitoring
- ◆ Low maintenance.
- ◆ Low noise levels.
- ◆ Travel case.
- ◆ Tool kit.

The C-1700 AirStream has been designed to maximise protection for micro cables with a compliant double drive concept, backed by the latest technology in servo controls to provide precise control of torque and speed.

Single person operation with safe, easy to operate ergonomic controls combines with low maintenance and high reliability to form the machine's key features.

The C-1700 is adjustable to suit a wide range of cable diameters 2.5-11mm

SPECIFICATIONS

Cable Range	2.5-11mm
Tube Size	5-18mm
Cable Speed	0-80m/min
Air Pressure	10-15 Bar
Power Requirement	220/110 VAC
Length	460mm
Width	300mm
Height	270mm
Weight	14kg

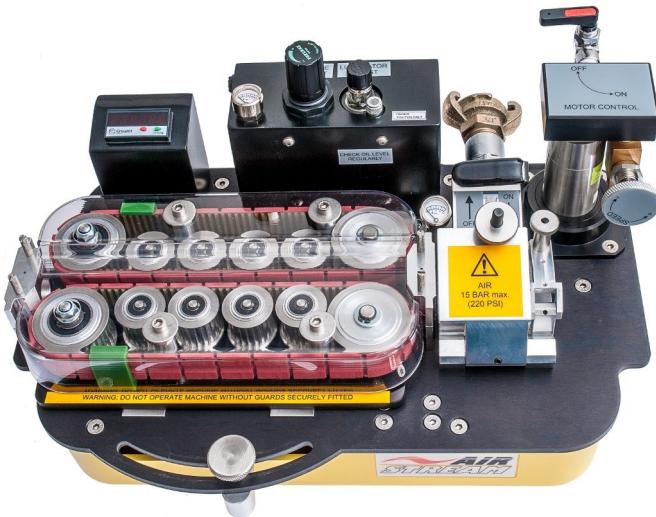
ORDERING INFORMATION

C-1700 AirStream Cable Blowing Machine

ORDERING INFORMATION

C-1700-AS1059 Earth Rod Assembly

PNEUMATIC AIRSTREAM CABLE BLOWING MACHINE



MAIN FEATURES

- ◆ Automatic Cable centralising.
- ◆ Synchronous high grip profiled compliant drive belts.
- ◆ Table top design with ergonomic controls for ease of operation.
- ◆ Variable torque and speed controls.
- ◆ Pneumatic motor drive system.
- ◆ Counter system powered by easily available PP3 batteries (x2)
- ◆ Single person operation.
- ◆ Digital cable speed and length monitoring
- ◆ Integral air valves and pressure gauges.
- ◆ Easy cable threading.
- ◆ Polycarbonate safety guarding.
- ◆ Lightweight and compact.
- ◆ Low maintenance

The C-1700-PNEU Pneumatic AirStream has been designed to be a robust and simple to operate cable blowing machine.

The compliant double drive concept also provides the maximum protection for micro cables. Single person operation with safe, easy to operate ergonomic controls combined with low maintenance and high reliability to form the machine's key features.

The C-1700-PNEU is adjustable to suit a wide range of cable diameters 2.5-11mm.

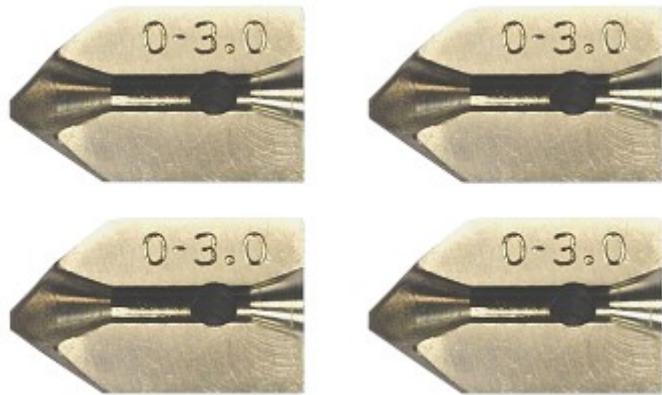
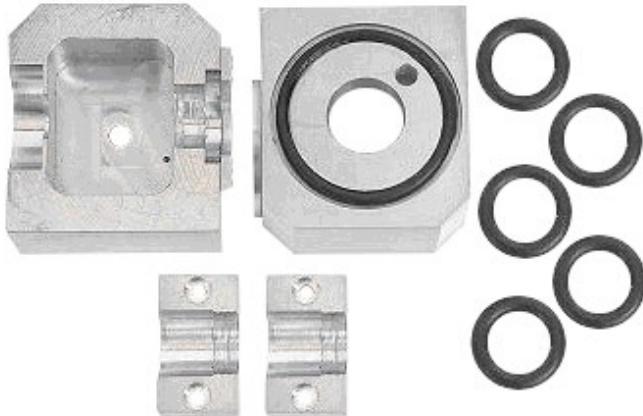
SPECIFICATIONS	
Cable Range	2.5-11mm
Tube Size	5-18mm
Cable Speed	0-80m/min
Recommended Compressor	>1.5m ³ /min @ 10-15 Bar
Length	460mm
Width	300mm
Height	270mm
Weight	14kg

ORDERING INFORMATION	
C-1700-PNEU	Pneumatic AirStream Cable Blowing Machine



AIRSTREAM CONFIGURATION

In order to customise your AirStream to your application, please select one of each from the list below, the Tube Collet Assembly (A), the Cable Guide Assembly (B) and the Cable Seal Collet Assembly (C). When ordering, please have Tube and Cable dimensions available.



A. TUBE COLLET & CLAMP ASSEMBLY

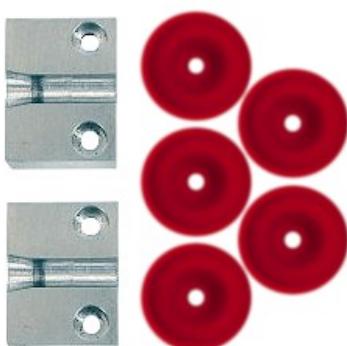
C-1700-TBC-05	5mm Tube Outside Diameter
C-1700-TBC-07	7mm Tube Outside Diameter
C-1700-TBC-08	8mm Tube Outside Diameter
C-1700-TBC-10	10mm Tube Outside Diameter
C-1700-TBC-12	12mm Tube Outside Diameter
C-1700-TBC-14	14mm Tube Outside Diameter
C-1700-TBC-16	16mm Tube Outside Diameter
C-1700-TBC-18	18mm Tube Outside Diameter

B. CABLE GUIDE ASSEMBLIES

C-1700-CG-02025	2.5mm Diameter
C-1700-CG-02503	2.6-3.5mm Diameter
C-1700-CG-0306	3-6.4mm Diameter
C-1700-CG-0685	6-8.5mm Diameter
C-1700-CG-8511	8.5-11mm Diameter

C. CABLE SEAL COLLET ASSEMBLIES

C-1700-CBL-2530	2.5-3mm
C-1700-CBL-3038	3-3.8mm
C-1700-CBL-3850	3.8-5mm
C-1700-CBL-5064	5-6.4mm
C-1700-CBL-6480	6.4-8mm
C-1700-CBL-8095	8-9.5mm
C-1700-CBL-9511	9.5-11mm



CABLE SEALS



ORDERING INFORMATION

C-1300-CS-2530-5	2.5-3mm
C-1300-CS-3038-5	3-3.8mm
C-1300-CS-3850-5	3.8-5mm
C-1300-CS-5064-5	5-6.4mm
C-1300-CS-6480-5	6.4-8mm
C-1300-CS-8095-5	8-9.5mm
C-1300-CS-9511-5	9.5-11mm

TUBE SEAL O RINGS



ORDERING INFORMATION

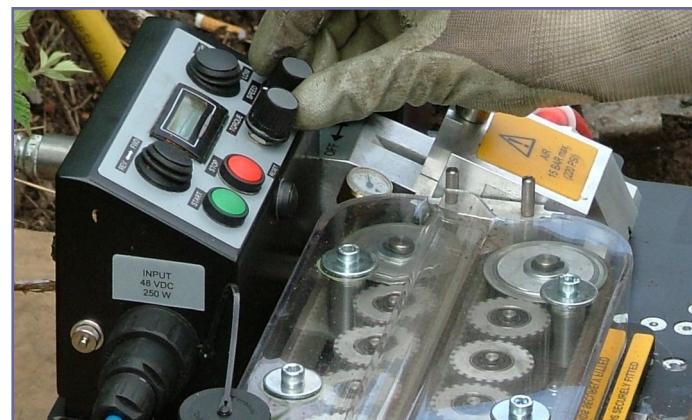
C-1300-TS-05-5	5mm Diameter
C-1300-TS-07-5	7mm Diameter
C-1300-TS-08-5	8mm Diameter
C-1300-TS-10-5	10mm Diameter
C-1300-TS-12-5	12mm Diameter
C-1300-TS-14-5	14mm Diameter
C-1300-TS-16-5	16mm Diameter
C-1300-TS-18-5	18mm Diameter

DRIVE BELTS



ORDERING INFORMATION

C-1700-DB-0311	2.5-11mm Drive Belts
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PNEUMATIC AIRSTREAM COMPRESSOR



The C20-14 compressor has been specifically selected for use with the C-1700-PNEU pneumatic AirStream cable blowing machine.

The unit is fitted with integrated aftercooler and water trap, making it ideal for use in cable blowing applications.

SPECIFICATIONS

Output	70cfm @ 14 Bar
Engine	Kubota D1105 Diesel
Dimensions	3300x1200x1200mm
Weight	580kg

ORDERING INFORMATION

C-COMP-c20-14-F	14 Bar 70cfm Compressor
C-AIR-HA-24X015	15m Air Hose

C-1315-20-11 MINI CABLE FLEETING DEVICE



The Mini Cable Fleeting device has been developed to enable longer lengths of fibre optical cable to be laid from a single drum, for use with the AirStream.

Employed when the cable needs to be removed from the cable drum, in preparation for blowing the second section.

SPECIFICATIONS

Cable Diameter	5-11mm
Max Cable Length	2000m
Diameter	1555mm
Max Width	1640mm
Unit Height	1420mm
Weight	57kg

ORDERING INFORMATION

C-1315-20-11	Mini Cable Fleeter
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BREEZE CABLE BLOWING MACHINE



The C-1300 BREEZE Cable Blowing Machine has been designed to meet the growing need for the installation of micro cables. Small and portable with ergonomic controls, it is ideally suited for external or internal use.

The compliant double driven cable rollers provide secure grip whilst safely handling the cable. The pushing force can be set to match the cable stiffness, and the speed control is fully adjustable between zero and maximum. Recent improvements to the machine implement a high/low torque switch giving greater sensitivity when adjusting low-end torque. This allows the installation of a greater range of cables down to 1.6mm in diameter.

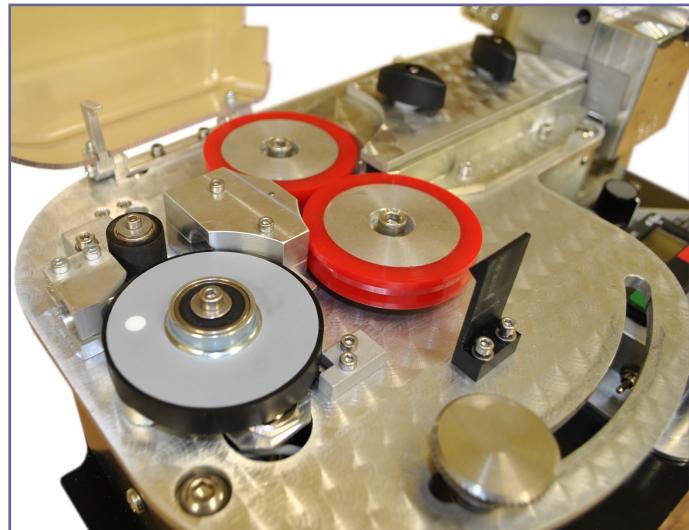
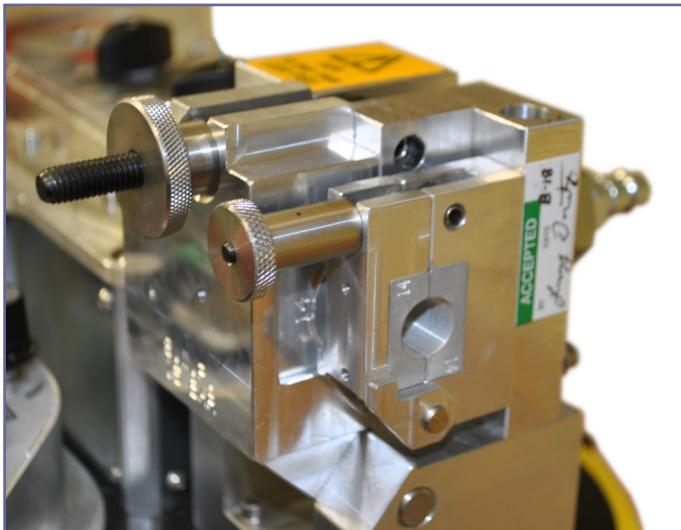
The machine is retained in a lightweight, robust aluminium housing and supplied completed with working/carrying case and J-Mac air coupling. A full range of accessories is available to handle the cable and tube range.

SPECIFICATIONS

Cable Range	1.6-8mm
Tube Size	5-16mm
Cable Speed	0-62m/min
Max Air Pressure	15 Bar
Power Requirement	220/110V AC
Length	480mm
Width	350mm
Height	620mm
Weight	60kg

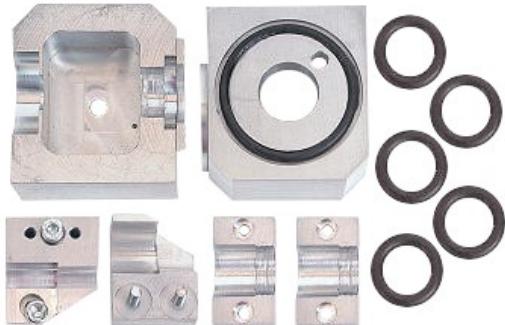
ORDERING INFORMATION

C-1300	Breeze Cable Blowing Machine
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BREEZE CONFIGURATION

In order to customise your new “Breeze” to your application, we ask that you pick one of each from the list below, the Tube Collet Assembly (A), the Cable Guide Assembly (B) and the Cable Collet Assembly (C). When ordering, please have Tube and Cable dimensions available.



A. TUBE COLLET ASSEMBLY

C-1300-TBC-05	5mm Tube Outside Diameter
C-1300-TBC-07	7mm Tube Outside Diameter
C-1300-TBC-08	8mm Tube Outside Diameter
C-1300-TBC-10	10mm Tube Outside Diameter
C-1300-TBC-12	12mm Tube Outside Diameter
C-1300-TBC-14	14mm Tube Outside Diameter
C-1300-TBC-16	16mm Tube Outside Diameter



B. CABLE GUIDE RANGE

C-1300-AS1041-2538	2.5-3.8mm Cable Guide
C-1300-AS1041-3880	1.6-2.5mm Cable Guide

C. CABLE COLLET ASSEMBLY

C-1300-CBL-2530	2.5-3mm
C-1300-CBL-3038	3-3.8mm
C-1300-CBL-3850	3.8-5mm
C-1300-CBL-5064	5-6.4mm
C-1300-CBL-6480	6.4-8mm

CABLE SEALS



ORDERING INFORMATION

C-1300-CS-2530-5	2.5-3mm
C-1300-CS-3038-5	3-3.8mm
C-1300-CS-3850-5	3.8-5mm
C-1300-CS-5064-5	5-6.4mm
C-1300-CS-6480-5	6.4-8mm

BREEZE CONVERSION KIT



When the Breeze micro cable blowing machine is to be used to install small cables and fibre; these kits should be purchased to convert the Breeze for this application.

Each kit includes:

- ◆ Infeed Guide Insert
- ◆ Cable Guide
- ◆ Seal Guide Half
- ◆ Cable Seal Guide Collet

Also required for the conversion are the black rubber drive wheels and cable guide range 3.8 – 8.0mm.

ORDERING INFORMATION

C-1300-CBL-101719	1.6-1.9mm Conversion Kit
C-1300-CBL-102025	2-2.4mm Conversion Kit
C-1300-AS1041-3880	Cable Guide 3.8-8mm
C-1300-DW-P-RUBBER	Black Rubber Drive Wheels

TUBE SEAL O RINGS



ORDERING INFORMATION

C-1300-TS-05-5	5mm Diameter
C-1300-TS-07-5	7mm Diameter
C-1300-TS-08-5	8mm Diameter
C-1300-TS-10-5	10mm Diameter
C-1300-TS-12-5	12mm Diameter
C-1300-TS-14-5	14mm Diameter
C-1300-TS-16-5	16mm Diameter



METAL DRIVE WHEEL KIT



Under certain conditions, e.g. in series blowing where lubricant is used, knurled metal drive wheels offer increased grip on the cable.

The kit comprises of a pair of drive wheels and a spring-loaded mechanism allowing the drive to compensate for variances in cable diameter whilst applying a consistent load.

ORDERING INFORMATION

C-1300-DW-S-KIT Metal Drive Wheel Kit

BLACK DRIVE WHEELS



These drive wheels have parallel (un-grooved) surfaces and are made of a softer material than standard, C1300-DW- 90 drive wheels. Recommended for use with small cables 1mm to 2.5mm, or when extra grip is required.

ORDERING INFORMATION

C-1300-DW-P-RUBBER Black Drive Wheels

STEP DOWN TRANSFORMER



This transformer unit is recommended by CBS Products for use with the Breeze machine when the use of a 230V generator is necessary.

ORDERING INFORMATION

C-TRANS-CM7501 Step Down Transformer

CABLE BLOWING COMPRESSORS



This Compressor is specifically for use with the AirStream and Breeze Cable Blowing Machine having 15 bar pressure with 1000 litres/m (35.3cfm) flow. The compressor is fitted with an aftercooler and water separator and comes mounted on a two-wheeled trolley.

ORDERING INFORMATION

C-M17-15	Air Compressor With Integrated Aftercooler
C-COMP-15	Air Compressor With Separate Aftercooler
C-AIR-HA-24X015	15m air Hose

SPECIFICATIONS

Engine	Honda 21.5hp
Fuel Tank Capacity	20L
Length	1200mm
Width	800mm
Height	780mm
Weight	205kg

C-1315-20-08 MICRO CABLE FLEETING DEVICE



SPECIFICATIONS

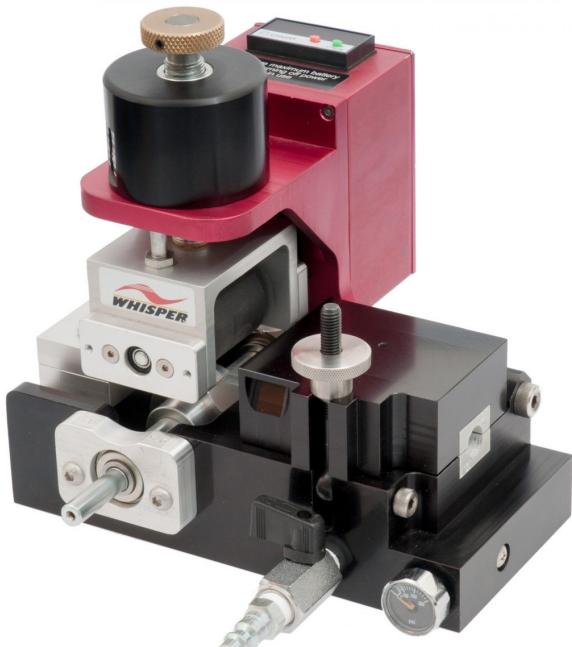
Cable Diameter	5-8mm
Max Cable Length	2000m
Diameter	1200mm
Max Width	1285mm
Unit Height	1420mm
Weight	43.5kg

The Micro Cable Fleeting device has been developed to enable longer lengths of fibre optic cable to be laid from a single drum. Employed when the cable needs to be removed from the cable drum, in preparation for blowing the second section.

ORDERING INFORMATION

C-1315-20-08	Cable Fleeter
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WHISPER CABLE BLOWING MACHINE



MAIN FEATURES

- ◆ Installs cable diameters of 2-8.5mm
- ◆ Accommodates micro duct sizes of 5-18mm
- ◆ Uses most variable speed drills as a power source
- ◆ Lightweight, durable construction with precision machined parts
- ◆ Single person operation
- ◆ Digital cable speed and length monitoring
- ◆ Integral air valve and pressure gauge
- ◆ Low maintenance
- ◆ Ideal for smaller installation jobs
- ◆ Travel bag included
- ◆ Toolkit

The Whisper Cable Blowing Machine has been designed to provide a compact and portable cable installation system. Easy component changes allow for the installation of different cable sizes into pre-installed micro ducts.

Cable drive comes from most types of cordless drill (not included) and an electronic display provides readouts of cable installation speed and distance.

SPECIFICATIONS

Cable Range	2-8.5mm
Tube Size	5-18mm
Cable Speed	0-90m/min
Air Pressure	15 Bar
Length	246mm
Width	206mm
Height	216mm
Weight	5.4kg
Power Requirement	Variable Speed Drill
Recommended Compressor	C-COMP-15

ORDERING INFORMATION

G-GMP-89910 Whisper Cable Blowing Machine



WHISPER CONFIGURATION

In order to customize your new "Whisper" to your application, we ask that you pick one of each from the lists below, the Tube Collet Assembly (A) and the Cable Seal Collet Assembly (B). When ordering, please have Tube and Cable dimensions available.



A. TUBE COLLET ASSEMBLY

G-GMP-89919	5mm
G-GMP-89926	7mm
G-GMP-89927	8mm
G-GMP-89922	10mm
G-GMP-89923	12mm
G-GMP-89928	14mm
G-GMP-89925	16mm
G-GMP-89924	18mm

B. CABLE SE COLLET ASSEMBLY

G-GMP-89930	2-2.5mm
G-GMP-89931	2.5-3mm
G-GMP-89932	3-3.8mm
G-GMP-89933	3.8-5mm
G-GMP-89934	5-6.4mm
G-GMP-89935	6.4-8.5mm

CABLE SEALS



ORDERING INFORMATION

C-1300-CS-2025-5	2-2.5mm
C-1300-CS-2530-5	2.5-3mm
C-1300-CS-3038-5	3-3.8mm
C-1300-CS-3850-5	3.8-5mm
C-1300-CS-5064-5	5-6.4mm
C-1300-CS-6480-5	6.4-8mm
C-1300-CS-80-85-5	8-8.5mm

TUBE SEAL O RINGS



WHISPER TRIPOD MOUNTING KIT



- ◆ Lightweight and durable
- ◆ Positive locking clamps
- ◆ Aluminium alloy construction
- ◆ Flat head design
- ◆ Easy setup
- ◆ Built-in shoulder straps
- ◆ Collapsible for storage
- ◆ Max working height 1.6m

ORDERING INFORMATION

C-1300-TS-05-5	5mm Diameter
C-1300-TS-07-5	7mm Diameter
C-1300-TS-08-5	8mm Diameter
C-1300-TS-10-5	10mm Diameter
C-1300-TS-12-5	12mm Diameter
C-1300-TS-14-5	14mm Diameter
C-1300-TS-16-5	16mm Diameter
C-1300-TS-18-5	18mm Diameter

DRILL STAND



This option helps support the drill during longer installations.

Attaches to the tripod and can be adjusted for most drills.

ORDERING INFORMATION

G-GMP-89945	Tripod Mount Kit
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ORDERING INFORMATION

G-GMP-89948	Adjustable Drill Stand
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ACCELAIR2 FIBRE BLOWING MACHINE



The C-1800 AccelAir 2 Fibre Blowing Machine has been developed to provide a simple to use and reliable fibre blowing solution. The Accelair 2 is designed to fit a fibre range up to 3mm diameter, thereby providing the complete range of blown fibre installation solutions from one machine.

The Accelair 2 is a compact integrated fibre blowing machine benefiting from full automation and fibre management; sophisticated fibre protection is implemented to ensure the fibre mechanical and optical integrity is maintained. The machine only requires a single 24V D.C. electrical supply and compressed air to operate.

ORDERING INFORMATION

C-1800	AccelAir2 Fibre Blowing Machine
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SPECIFICATIONS

Fibre Compatibility	Up to 1.6m with buckle detection, up to 3mm without buckle detection
Blowing Speed	Manual control up to 100m/min
Compatible Tubes	Any size from 3-10mm
Automation	In buckle mode machine is self-regulating
Air Supply	15 Bar mac working pressure complete with suitable air conditioning
Electrical Supply	Universal mains power supply: 85-265V AC 47-63Hz or 120-370V DC, 24V DC 2.2A.
Control	Remote user interface with backlit screen provides all necessary information, including current distance, speed, torque setting and fibre status
Machine Size	184x120x166mm
Machine Weight	3kg
Case Size	520x430x220mm
Case Weight	12kg

ACCELAIR2 CONFIGURATION

In order to customise your AccelAir2 to your application, please select one of each from the list below, the infeed guide (A), tube clamp (B) and fibre buckle plates (C). When ordering, please have tube and fibre dimensions available.



A. INFEED GUIDES

C-1800-CG-2	Infeed Guide up to 2mm
C-1800-CG-3	Infeed Guide 2-3mm



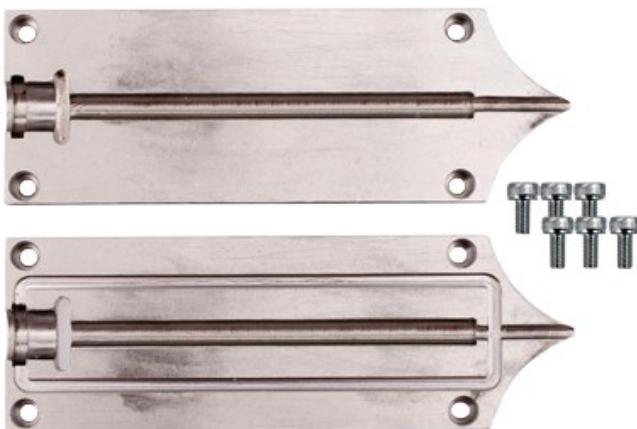
B. TUBE CLAMP

C-1800-TBC-03	3mm Tube Clamp & Seals
C-1800-TBC-04	4mm Tube Clamp & Seals
C-1800-TBC-05	5mm Tube Clamp & Seals
C-1800-TBC-06	6mm Tube Clamp & Seals
C-1800-TBC-07	7mm Tube Clamp & Seals
C-1800-TBC-08	8mm Tube Clamp & Seals
C-1800-TBC-09	9mm Tube Clamp & Seals
C-1800-TBC-10	10mm Tube Clamp & Seals

C. FIBRE BUCKLE PLATES (NO SHUTTLE)

C-1800-FBP-C0.9-SS	0.9mm Fibre Buckle Plate
C-1800-FBP-C1.0-SS	1.0mm Fibre Buckle Plate
C-1800-FBP-C1.1-SS	1.1mm Fibre Buckle Plate
C-1800-FBP-C1.2-SS	1.2mm Fibre Buckle Plate
C-1800-FBP-C1.3-SS	1.3mm Fibre Buckle Plate
C-1800-FBP-C1.4-SS	1.4mm Fibre Buckle Plate
C-1800-FBP-C1.5-SS	1.5mm Fibre Buckle Plate
C-1800-FBP-C1.6-SS	1.6mm Fibre Buckle Plate

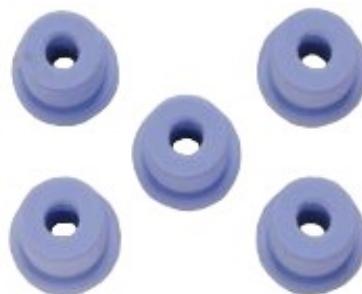
ACCELAIR2 CONFIGURATION



C. FIBRE BUCKLE PLATES (WITH SHUTTLE)

C-1800-FBP-N1.6-SS	1.6mm Fibre Buckle Plate
C-1800-FBP-N1.7-SS	1.7mm Fibre Buckle Plate
C-1800-FBP-N1.8-SS	1.8mm Fibre Buckle Plate
C-1800-FBP-N1.9-SS	1.9mm Fibre Buckle Plate
C-1800-FBP-N2.0-SS	2.0mm Fibre Buckle Plate
C-1800-FBP-N2.1-SS	2.1mm Fibre Buckle Plate
C-1800-FBP-N2.2-SS	2.2mm Fibre Buckle Plate
C-1800-FBP-N2.3-SS	2.3mm Fibre Buckle Plate
C-1800-FBP-N2.4-SS	2.4mm Fibre Buckle Plate
C-1800-FBP-N2.5-SS	2.5mm Fibre Buckle Plate
C-1800-FBP-N2.6-SS	2.6mm Fibre Buckle Plate
C-1800-FBP-N2.7-SS	2.7mm Fibre Buckle Plate
C-1800-FBP-N2.8-SS	2.8mm Fibre Buckle Plate
C-1800-FBP-N2.9-SS	2.9mm Fibre Buckle Plate
C-1800-FBP-N3.0-SS	3.0mm Fibre Buckle Plate

TUBE SEALS



ORDERING INFORMATION

C-1800-TS-03	3mm Tube Seals
C-1800-TS-04	4mm Tube Seals
C-1800-TS-05	5mm Tube Seals
C-1800-TS-06	6mm Tube Seals
C-1800-TS-07	7mm Tube Seals
C-1800-TS-08	8mm Tube Seals
C-1800-TS-09	9mm Tube Seals
C-1800-TS-10	10mm Tube Seals

BUCKLE SHUTTLES



ORDERING INFORMATION

C-1800-BS	Buckle Shuttles x5
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SILICONE DRIVE WHEELS



ORDERING INFORMATION

C-1800-T1	Small 0.8-2mm Silicone Tyres
C-1800-T2	Large 2.1-3mm Silicone Tyres

ACCELAIR2 BATTERY PACK



BATTERY PACK CONTENTS

- ◆ Lithium Ion Battery
- ◆ Cigarette Lighter Charger
- ◆ AC Charger
- ◆ DC-DC Converter
- ◆ Cigarette Lighter Plug Adaptor for DC-DC Converter

SPECIFICATIONS

Converter	12-24V DC
Voltage	12V
Cell Type	Lithium Ion

ORDERING INFORMATION

C-1800-DC-KIT	Li-Po Battery Pack
C-1800-BATT	Additional Battery

C-1420-10 PETROL DRIVEN BLOWN FIBRE COMPRESSOR



A compact 10 Bar compressor specifically for use with the CBS C-1800 Accelair2 Blown Fibre Unit. The compressor is fitted with aftercooling, filtration and air drying essential in providing the optimum viscous drag effect for maximum fibre blowing length.

ORDERING INFORMATION

C-1420-10

Fibre Blowing Compressor with 12V
Outlet and 7m Air Hose

SPECIFICATIONS

Power Source	Air Cooled Honda GX160 Engine, Key Start
Air Compressor	Hydrovane Delivering 200L/min @ 10 Bar
Electrical Output	24V DC
Air Conditioning	Membrane dryer providing +1°C Pressure Dew Point based on +35°C inlet temperature and maximum flow. Filtration to 0.01µ m particulate and oil removal
Temperature Spec	Ambient Range +5°C to +40°C Cooling to maintain air temperature to within +3°C of ambient
Length	875mm
Width	680mm
Height	605mm
Weight	95kg

MICROGLIDE LUBRICANT



SPECIFICATIONS

Appearance	Milky Mobile Liquid	Viscosity	2500-4000cst
SG	Approx. 1	PH	6-8

ORDERING INFORMATION

C-1313-250 250ml

C-1313-500 5L

20L UNIVERSALUBE CABLE LUBRICANT



Universalube is a water-based preparation based on wax and silicone polymers. It is easily applied and exhibits excellent coverage.

It is non-toxic, non-flammable and has no physical or chemical effects on cable sheath or sub duct. It can be used on cable blowing,

ORDERING INFORMATION

C-LUBE-02-F 20L Universalube

SPECIFICATIONS

Appearance	Milky Mobile Liquid
SG	Approx. 1
Viscosity	2500-4000cst
PH	6-8

C-1300 CABLE GUIDING HEADS



These are screwed on to the end of the cable to reduce friction during cable blowing.

- ◆ Constructed of corrosion resistant brass and made for repeated use.
- ◆ Insertion tool included
- ◆ Sold in packs of 10

ORDERING INFORMATION

C-1300-CGH-2.0	2mm Guide Heads
C-1300-CGH-2.5	2.5mm Guide Heads
C-1300-CGH-4.0	4mm Guide Heads
C-1300-CGH-5.0	5mm Guide Heads
C-1300-CGH-6.0	6mm Guide Heads
C-1300-CGH-6.5	6.5mm Guide Heads
C-1300-CGH-7.0	7mm Guide Heads
C-1300-CGH-8.0	8mm Guide Heads
C-1300-CGH-8.5	8.5mm Guide Heads
C-1300-CGH-9.0	9mm Guide Heads
C-1300-CGH-10.0	10mm Guide Heads
C-1300-CGH-11.0	11mm Guide Heads
C-1300-CGH-12.0	12mm Guide Heads

PLASTIC DUCT CUTTER



Quick and easy to use the adjustable die cast circumferential cutter provides a clean cut of plastic ducts.

ORDERING INFORMATION

D-291-12-43-F	12-43mm Duct Cutter
D-291-25-81-F	25-81mm Duct Cutter
D-291-01-F	Spare Cutter Wheel

PLASTIC DUCT SLITTER



Tool for longitudinal cutting of duct, and removal of spare duct from installed cable

ORDERING INFORMATION

D-290-f	Plastic Duct Slitter
D-290-01-f	Spare Blade

C-1262 PRESSURISATION KIT

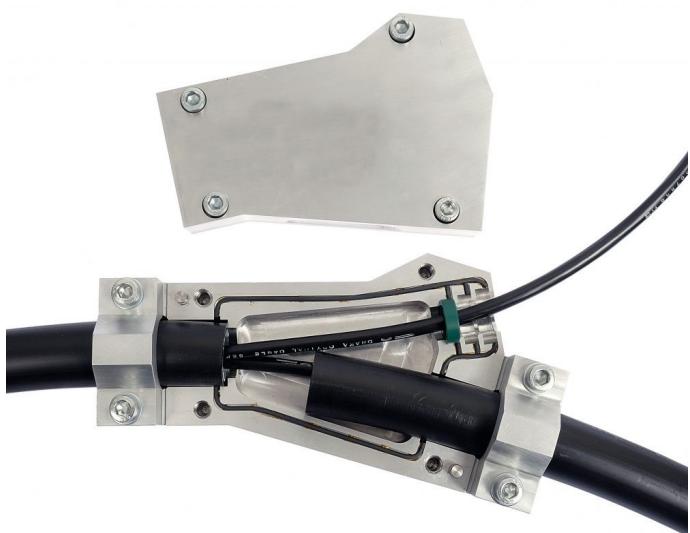


The CBS Duct Pressurisation Kit has been designed to test the integrity of the duct by checking that the duct has no leaks. This will confirm that the duct holds air pressure, prior to cable blowing.

ORDERING INFORMATION

C-1262	Pressurisation Kit
C-1262-50	50mm Duct Connector
C-1262-40	40mm Duct Connector
C-1262-32	32mm Duct Connector
C-1262-25	25mm Duct Connector

C-1253 CABLE OVERBLOWING JUNCTION BOX

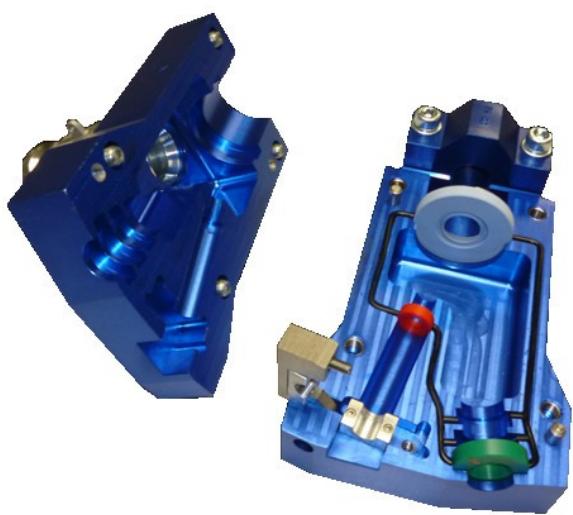


SPECIFICATIONS	
Dimensions	295x170x74mm
Weight	4kg
Max Operating Pressure	12 Bar
Cable Range Limit	9-20mm Outside Diameter
Min Duct Size	25mm
Max Duct Size	50mm

The CBS Cable Overblowing Junction Box has been designed to install a new cable or duct-tubes into an existing occupied sub-duct (subject to space being available).

ORDERING INFORMATION	
C-1253-32	32mm Duct Outside Diameter
C-1253-40	40mm Duct Outside Diameter
C-1253-50	50mm Duct Outside Diameter

C-1253 CABLE OVERBLOWING JUNCTION BOX



SPECIFICATIONS	
Existing Cable Range	9-20mm
Existing Duct Range	25-50mm
Installing Cable Range	2.5-11mm
Installing Tube Range	5-18mm
Max Pressure	15 Bar

The CBS Cable Overblowing Junction Box has been designed to install a new cable into an existing occupied sub-duct.

ORDERING INFORMATION	
C-1253-JBOX	Cable Overblowing Junction Box

UNDERGROUND CABLE INSTALLATION EQUIPMENT

Our range of equipment for installing cables underground are uniquely designed to improve the safety and efficiency of your team to ensure smooth cable installation with ease.



DUCT RODS



A high quality fibreglass rod, specially constructed to provide exceptionally high tensile strengths, whilst retaining flexibility. The 80% fill rate glass fibre core is reinforced with a high strength resin. A braided reinforcing wrap is added before the final polypropylene wear resistant protective coating is applied. The continuous rods range from 4.5mm – 14mm with lengths from 30 metres – 300 metres.

MINI 4.5mm DUCT RODS

SPECIFICATIONS	
Cassette Diameter	400mm
Length	400mm
Width	162mm
Height	520mm
Min Bend Diameter	140mm
Breaking Strength	750kg

ORDERING INFORMATION		
B-101-030	30m	4.5kg
B-101-050	50m	5kg
B-101-060	60m	5.25kg
B-101-070	70m	5.3kg
B-101-080	80m	5.5kg

MIDI 6.7mm DUCT RODS

SPECIFICATIONS	
Cassette Diameter	600mm
Length	600mm
Width	210mm
Height	730mm
Min Bend Diameter	250mm
Breaking Strength	2380kg

ORDERING INFORMATION		
B-102-060	60m	8.7kg
B-102-080	80m	9.3kg
B-102-100	100m	11kg
B-102-150	150m	14kg

MAXI 9mm DUCT RODS

SPECIFICATIONS		ORDERING INFORMATION		
Cassette Diameter	800mm	B-103-060-800	60m	26kg
Length	850mm	B-103-080-800	80m	30kg
Width	520mm	B-103-100-800	100m	33kg
Height	940mm	B-103-120-800	120m	35kg
Min Bend Diameter	465mm	B-103-150-800	150m	36kg
Breaking Strength	3630kg			

MAXI 11mm DUCT RODS

SPECIFICATIONS		ORDERING INFORMATION		
Cassette Diameter	1000mm	B-104-100-1000	100m	43kg
Length	1110mm	B-104-150-1000	150m	45kg
Width	520mm	B-104-200-1000	200m	52kg
Height	1130mm	B-104-250-1000	250m	59kg
Min Bend Diameter	775mm	B-104-300-1000	300m	66kg
Breaking Strength	5630kg			



MAXI 14mm DUCT RODS

SPECIFICATIONS	
Cassette Diameter	1200mm
Length	1300mm
Width	550mm
Height	1300mm
Min Bend Diameter	950mm
Breaking Strength	8630kg

ORDERING INFORMATION		
B-105-150-1200	150m	64kg
B-105-200-1200	200m	73kg
B-105-250-1200	250m	84kg
B-105-300-1200	300m	96kg

THREADED ROD END FITTINGS

A male rod end fitting is supplied as standard with mini, midi and maxi rods. Replacement threaded rod end fittings allow the connection to other duct rod accessories, such as tapered rod ends, flexible guide ends, roller guides etc. Male and Female ends are available with M5, M6 and M12 threads.

MALE THREAD



FEMALE THREAD



ORDERING INFORMATION

B-101-END-M-F	4.5mm Mini Rod Male End
B-102-END-M-F	6.7mm Midi Rod Male End
B-103-END-M-F	9mm Maxi Rod Male End
B-104-END-M-F	11mm Maxi Rod Male End
B-105-END-M-F	14mm Maxi Rod Male End

ORDERING INFORMATION

B-101-END-F-F	4.5mm Mini Rod Female End
B-102-END-F-F	6.7mm Midi Rod Female End
B-103-END-F-F	9mm Maxi Rod Female End
B-104-END-F-F	11mm Maxi Rod Female End
B-105-END-F-F	14mm Maxi Rod Female End

JOINTING FERRULE



Used to repair breakages in mini, midi and maxi rods. The ferrule is bonded to the rod with a two part adhesive.

ORDERING INFORMATION

B-101-FERR-F	4.5mm Mini Rod Ferrule
B-102-FERR-F	6.7mm Midi Rod Ferrule
B-103-FERR-F	9mm Maxi Rod Ferrule
B-104-FERR-F	11mm Maxi Rod Ferrule
B-105-FERR-F	14mm Maxi Rod Ferrule

FLEXIBLE GUIDE END

Used to guide duct rods around bends. Available for use with maxi rods.



ORDERING INFORMATION

B-103-4-FLEX	Flexible Guide End for Maxi Rods
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SHACKLE

Used with tapered rod end when a larger pulling loop is required. Available for mini, midi and maxi rods.



ORDERING INFORMATION

B-101-2-SHACK-F	Shackle for Mini & Midi Rods
B-103-4-SHACK-F	Shackle for Maxi Rods

SWIVEL CONNECTOR



Used to connect two duct rods together when the required rodding length exceeds a single duct rod. Available for use with 9mm, 11mm and 14mm maxi rods.

ORDERING INFORMATION

B-103-4-SWIV Swivel Connector for Maxi Rods

TAPERED ROD END



Supplied as standard with mini, midi and maxi rods, to guide the rod through the duct and allow the pulling rope to be attached to the rod.

ORDERING INFORMATION

B-101-TIP-F Tapered Rod End for Mini Rods
B-102-TIP-F Tapered Rod End for Midi Rods
B-103-4-TIP-F Tapered Rod End for Maxi Rods

ROLLER GUIDE



Used in connection with maxi rods, this roller guide allows the duct rod to pass around bends and duct misalignments.

SPECIFICATIONS

Rod Diameter	9/11/14mm
Duct Diameter	60mm

ORDERING INFORMATION

B-103-4-ROLL Roller Guide for Maxi Rods

SPRINT CONDUIT ROD



The CBS Sprint Rod is a handy device for smaller conduit applications, using 3mm polypropylene-coated fibreglass rod in lengths ranging from 20m – 50m. A range of accessories such as flexible ends, fixed ends and pulling eyes are available, which can be stored in the central compartment of the plastic cassette. The product is lightweight, with a carrying handle and is ideal for short rodding applications.



ORDERING INFORMATION

B-100-240-F	Cassette Without Rod
B-100-020-01	20m Fibre Glass Rid
B-100-030-01	30m Fibre Glass Rid
B-100-040-01	40m Fibre Glass Rid
B-100-050-01	50m Fibre Glass Rid

SPRINT CONDUIT CONNECTORS

ORDERING INFORMATION

B-100-1134-F	11mm Diameter Flexible End x3
B-100-1135-F	14mm Diameter Flexible End x3
B-100-1015-F	3mm Jointing Ferrule x3
B-100-1016-F	M5 Fixed End x3
B-100-1017-F	3mm Pulling Eye x3

1A GRIP COUPLING

A 3m long fibreglass rod designed to assist with the threading of BT 25mm sub duct.



ORDERING INFORMATION

C-CN15523	1A Grip Coupling
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SIGNAL GENERATOR



Enhance the detectability of cables and pipes; trace out the route of specific services. Use the signal generator to transmit an easily identifiable signal along a cable or pipe. Trace the lines using the Cable Avoidance Tool. New industry accepted 33 kHz operating frequency for clearer signal reception.

ORDERING INFORMATION

C-RD-ZCSSGV-F Signal Generator

SIGNAL CLAMP



Extend the powerful versatility of the Signal Generator. Clip the Signal Clamp around a cable and safely transfer the Generator Signal.

ORDERING INFORMATION

C-RD-YIRSSC-F Signal Clamp

SONDE



Trace non-metal pipes. Find pipe blockages. Trace the movement of in-pipe plant. A range of self contained transmitters propelled along a pipe or conduit.

SPECIFICATIONS

Dimensions	38x102mm
Thread	M10

ORDERING INFORMATION

C-RD-YIRS-33-F 33kHz Sonde

CABLE AVOIDANCE TOOL



ORDERING INFORMATION

C-RD-CAT-F	Precision Locator
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The Cable Avoidance Tool is a full function, industry standard locator which every ground working operative will find familiar and easy to use. The unit is lightweight, rugged and packed full of features including LCD meter, detachable loudspeaker which can then be held near the ear in noisy environments, fingertip controls and precision locating as standard. The cable avoidance tool is designed to be used in conjunction with accessories such as the Signal Generator, Signal clamp and Sonde.

CONTROL FEATURES

- ◆ On/Off control. Battery check tone at switch on.
- ◆ 3 position function select switch: P – Power mode for detecting live imbalanced cables. R - Radio mode for detecting re-radiated radio signals. G - Generator mode for detecting conductors carrying the signal generated by the Signal Generator or Sonde.
- ◆ Sensitivity control.

CONTROL FEATURES

- ◆ Large, easy to read LCD display.
- ◆ Shock resistant and mounted behind a polycarbonate lens for maximum protection.
- ◆ Display shows signal strength, battery condition and confirmation of selected mode.

FREQUENCY RANGES

- ◆ P – 50-400 Hz
- ◆ R – 15 – 20 kHz
- ◆ G – 33 kHz

OPTIONAL EXTRAS

C-R-SONDE-24	24mm Missile Sonde
C-R-SONDE-29	29mm Missile Sonde
C-R-SONDE-33	33mm Missile Sonde
C-R-SONDE-38	38mm Missile Sonde
C-R-SONDE-40	40mm Missile Sonde
C-R-SONDE-45	45mm Missile Sonde
C-R-SONDE-50	50mm Missile Sonde

DUCT ROD **PUSHER**



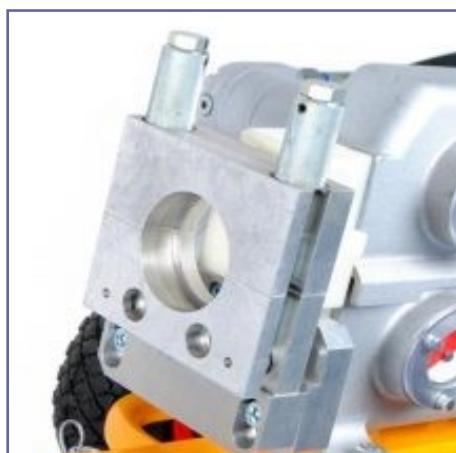
The duct rod pushers are designed to assist in rodding operations. The units are mounted on sturdy, anti corrosion treated tubular steel frame, and fitted with gel filled puncture proof tyres, with hydraulic controls mounted on the frame for ease of transportation. The pushers are fitted with a tilting extendable boom, and chamber clamp for use in underground structures.

FEATURES

- ◆ Spring loaded self-centring fail safe operating lever.
- ◆ Measuring counter with reset lever.
- ◆ Front boom extending to 1 metre with angle facility dropping into underground chamber.
- ◆ Extendable chamber clamp for attaching to sidewalls. Range 400 – 800mm.
- ◆ Split pusher body which lifts and rotates to allow removal of duct rod.
- ◆ Disc spring controlled screw clamp to engage drive belts onto the rod.
- ◆ Moulded profiled drive belts.

SPECIFICATIONS	
Diameter Range	14-25mm
Installation Speed	0-30m/min
Pushing/Pulling Capacity	220kg @ 60 Bar
Length	1050mm
Width	700mm
Height	760mm
Wight	53kg

ORDERING INFORMATION	
C-1270-001-04	Duct Rod Pusher 50cc
C-1258-0200-25	25mm Sub Duct Clamp Collet
C-1258-0200-32	32mm Sub Duct Clamp Collet
C-1258-0200-38	38mm Sub Duct Clamp Collet
C-1258-0200-40	40mm Sub Duct Clamp Collet
C-1258-0200-50	50mm Sub Duct Clamp Collet
C-1270-AS1055-S	25-50mm Sub Duct Bracket Assembly to Attach to Duct Rod Frame



D-197 TRENCH ROLLER



Designed for use on soft earth or trench work. Robust die cast aluminium roller mounted on oil pregnated bearings.

SPECIFICATIONS

Dimensions	390x260x230mm
Weight	5.7kg

ORDERING INFORMATION

D-197	Trench Roller
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D-196 HOOP ROLLER



A cable roller designed to bridge existing cables. Fitted with oil-impregnated bearings for use in adverse site conditions. Tubular steel frame construction, choice of two types of rollers.

SPECIFICATIONS

Dimensions	290x235x250mm
Weight	5kg

ORDERING INFORMATION

D-196	Hoop Roller
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D-196-01-F HEAVY DUTY CABLE ROLLER



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.

SPECIFICATIONS

Dimensions	350x230mm
Weight	4kg

ORDERING INFORMATION

D-196-01-F	Heavy Duty Cable Roller
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D-194 V FRAME GUIDE SET



Positioned in front of drum to guide cable into a trench or duct.

SPECIFICATIONS

Dimensions	825x500x415mm
Weight	19.45kg

ORDERING INFORMATION

D-194	V Frame Guide Set
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D-195 TRENCH FEED ROLLER SET



Guides cables into trench, adjustable vertical guide rollers.

SPECIFICATIONS

Dimensions	1000x200x250mm
Weight	5kg

ORDERING INFORMATION

D-195	Trench Feed Roller Set
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D-439 LEAD ROLLER



A horizontal roller to protect cable feeding from drum, fitted with end guides

SPECIFICATIONS

Dimensions	1000x200x250mm
Weight	22kg

ORDERING INFORMATION

D-439	Lead Roller
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D-1041-001 MANHOLE ENTRY ROLLER



This roller is used to guide draw rope into and out of manhole openings.

SPECIFICATIONS

Dimensions	254x152x150mm
Weight	11.02kg

ORDERING INFORMATION

D-1041-001	Manhole Entry Roller
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D-1047-001 TRIPLE CORNER ROLLER



All zinc plated finish and using two vertical and one horizontal steel roller for taking the heaviest cables round difficult corners.

SPECIFICATIONS

Dimensions	295x290x540mm
Weight	12kg

ORDERING INFORMATION

D-1047-001	Triple Corner Roller
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D-437-F 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

SPECIFICATIONS

Dimensions	280x160x300mm
Weight	9kg

ORDERING INFORMATION

D-1048-001-f	Angle Corner Roller
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D-1048-001-F MANHOLE QUADRANT 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.

SPECIFICATIONS

Dimensions	500x290x630mm
Weight	14kg

ORDERING INFORMATION

D-1048-001-F	Manhole Quadrant Roller
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STEEL BELLMOUTH



Manufactured from Zinc plated Steel, the Bellmouth comes in separable halves to guide the Cable through the Duct to avoid damage to both the Cable and Duct.

ORDERING INFORMATION

D-206-60-F	60-69mm Steel Bellmouth
D-206-80-F	76-89mm Steel Bellmouth
D-206-90-F	90-97mm Steel Bellmouth
D-206-100-F	99-106mm Steel Bellmouth
D-206-125-F	124-130mm Steel Bellmouth
D-206-250-F	148-155mm Steel Bellmouth
D-206-160-F	152-176mm Steel Bellmouth
D-206-175-F	176-190mm Steel Bellmouth
D-206-200-F	194-212mm Steel Bellmouth
D-206-230-F	220-239mm Steel Bellmouth
D-206-250-F	246-266mm Steel Bellmouth

DUCT ENTRY ROLLER



Duct Entry Rollers are designed to allow rope or cable into and out of the duct mouth. They are available for different sizes of duct ranging from 25mm – 100mm

ORDERING INFORMATION

D-938-001	25-28mm Duct Roller
D-938-002	30-33mm Duct Roller
D-938-003	42-45mm Duct Roller
D-938-004	55-60mm Duct Roller
D-938-005	75-80mm Duct Roller
D-938-006	90-100mm Duct Roller

D-161 A STYLE JOINTER'S UTILITENT



Includes two screen windows with roll up flaps, three tie down cords through the hub, ground flaps, single zippered front door, exterior roof line loops for tie down.

ORDERING INFORMATION	D-161-00-F	D-161-01-1-F
Dimensions	1.8x1.8x1.8m	2.4x2.4x2.0m
Weight	9.1kg	14.1kg

D-161 D STYLE JOINTER'S UTILITENT



Includes two screen windows with roll up flaps, three tie down cords through the hub, ground flaps, heavy duty frame, wide open front, snap and loops with interconnectable flaps (connect 2 tents together), ventilation hose entry sleeve, interior and exterior roof line loops for tie down.

ORDERING INFORMATION	D-161-02-F	D-161-03-F
Dimensions	1.8x1.8x1.8m	2.4x2.4x2.0m
Weight	9.5kg	14.5kg

UB20 BLOWER/EXHAUSTER



Ramfan combines high performance turbofan design with high strength polymers to create a line of rugged, portable turbo blowers. The line is ideal for general use, confined space, hazardous ventilation and delivers the highest airflow in their class. The double-wall, polyethylene case is lightweight, corrosion and chemical resistant and handles the bumps and falls of any jobsite.

- ◆ Powerful, compact size and lightweight.
- ◆ High pressure axial blower with 9 blade impeller.
- ◆ Corrosion proof, dent resistant and virtually indestructible.
- ◆ Double-walled UV resistant polyethylene house.
- ◆ Ultra quiet operation.
- ◆ Thermal switch provides overheat protection.
- ◆ AC-15 ft cord c/w power switch, IP65 rain tested switch enclosure.
- ◆ DC-15 ft cord c/w battery clips.

SPECIFICATIONS	
Fan Diameter	200mm
Dimensions	355x305x330mm
Weight	8kg
Noise	74dB

ORDERING INFORMATION	
D-ED9002-F	12V DC Blower
D-ED8002-F	240V AC Blower
D-ED6002-F	110V AC Blower

SPECIFICATIONS	D-ED9002-F	D-ED8002-F	D-ED6002-F
Free Air	862cfm/hr	819cfm/hr	819cfm/hr
4.6m 1x 90° Turn	695cfm/hr	659cfm/hr	659cfm/hr
4.6m 2x 90° Turn	586cfm/hr	558cfm/hr	558cfm/hr
Power	12V DC 11.5A	240V AC 1.2A	110V AC 1.2A

QUICK-COUPLE REVERSIBLE CANISTER



Detachable in seconds, the Quick-Couple canister with attached duct conveniently reverses from discharge to suction, making use and storage easier while protecting duct from rips and tears.

ORDERING INFORMATION	
D-ED6015-F	4.6m 110V 50Hz Blower
D-ED6025-F	7.6m 110V 50Hz Blower
D-ED8015-F	4.6m 220V 50Hz Blower
D-ED8025-F	7.6m 220V 50Hz Blower
D-ED9015-F	4.6m 12V DC Blower
D-D9025-F	7.6m 12V DC Blower

	4.6m CANISTER	7.6m CANISTER
Dimensions	356x305x800mm	356x305x1050mm

UB20 MANHOLE ENTRY DEVICE



preventing rapid entry and exit. Tightly integrated into the UB line of confined space ventilation equipment, the MED is quick to assemble and the new swivelling elbow makes duct alignment easy.

Changing its cross section from circular to elliptical and back to circular minimises loss and optimises airflow into a confined space, while providing adequate room for a worker to enter and exit unimpeded. The rugged polyurethane construction endures heavy, negligent use and will last for years.

ORDERING INFORMATION	
D-ED6015-MED-F	110V/50Hz Blower and 4.6m/1.5m Duct
D-ED8015-MED-F	220V/50Hz Blower and 4.6m/1.5m Duct
D-ED9015-MED-F	12V DC Blower and 4.6m/1.5m Duct

The MED allows workers to enter and exit small man-size openings while maintaining continuous ventilation. Without such a device, duct fills the manhole opening,

UB20 12V DC WITH BATTERY & CHARGER



the battery in 12 hours.

ORDERING INFORMATION

D-ED9015-BATCE-F	UB20 12V DC 4.6m Blower Kit
D-ED9025-BATCE-F	UB20 12V DC 7.6m Blower Kit

The long life battery pack features high-low control. Pulse width modulation extends the battery up to 10 hours in the low setting, yet gives a full 2.5 hours on high. Can be used with vehicle batteries with optional connector. Built-in charger allows you to full recharge

UB20 IN-LINE HEATING SYSTEM



	D-HA02-F	D-HA03-F
Power	110V AC 50Hz	240V AC 50Hz
Output	70k BTU	70k BTU
Weight	13.5kg	13.5kg

ORDERING INFORMATION

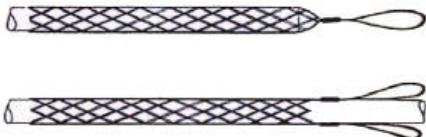
D-HA02-F	110V AC 50Hz Heater
D-HA03-F	240V AC 50Hz Heater

The in-line heating system with its propane-fired heat exchanger provides safe, warm breathing air in cold conditions.

- ◆ For tent/shelter or confined space heating.
- ◆ Remote thermostat included.
- ◆ Up to 10 hours continuous operation with standard propane gas cylinder.
- ◆ Heater attaches quickly and easily to UB20 blower.
- ◆ Includes propane regulator and connection assembly.
- ◆ Easy access top-mounted heater control panel.



GENERAL DUTY PULLING STOCKINGS



Pulling socks or stockings, are indispensable in many different cable pulling applications. Manufactured from high-tensile, galvanized steel wire that is evenly hand woven in a single, double or triple wire weave according to pulling tension requirements. We reverse weave our grips which create a loop at the end of the grip instead of being crimped or soldered together. The wire is then joined under the crimped head. This creates a higher quality product that outlasts the competition.

SPECIFICATIONS - DOUBLE WEAVE, FLEXIBLE EYE						
Single Eye	E-546-0621	E-546-1021	E-546-2021	E-546-3021	E-546-4021	E-546-5021
Double Eye	E-546-0622	E-546-1022	E-546-2022	E-546-3022	E-546-4022	E-546-5022
Diameter Range	6-13mm	10-20mm	20-30mm	30-40mm	40-50mm	50-65mm
Min Breaking Strength	1504kg	1860kg	2256kg	3696kg	5490kg	5490kg
Single Eye	E-546-6521	E-546-8021	E-546-9521	E-546-11021	E-546-13021	E-546-15021
Double Eye	E-546-6522	E-546-8022	E-546-9522	E-546-11022	E-546-13022	E-546-15022
Diameter Range	65-80mm	80-95mm	95-110mm	110-130mm	130-150mm	150-180mm
Min Breaking Strength	7320kg	7320kg	10613kg	10613kg	12736kg	12736kg

SPECIFICATIONS - DOUBLE WEAVE, FLEXIBLE EYE						
Single Eye	E-855-1021	E-855-2021	E-855-3021	E-855-4021	E-855-5021	E-855-6521
Double Eye	E-856-1020	E-856-2020	E-856-3020	E-856-4020	E-856-5020	E-856-6520
Diameter Range	10-20mm	20-30mm	30-40mm	40-50mm	50-65mm	65-80mm
Min Breaking Strength	1860kg	2256kg	3696kg	5490kg	5490kg	7320kg
Single Eye	E-855-8021	E-855-9521	E-855-11021	E-855-13021	E-855-15021	
Double Eye	E-856-8020	E-856-9520	E-856-11020	E-856-13020	E-856-15020	
Diameter Range	80-95mm	95-110mm	110-130mm	130-150mm	150-180mm	
Min Breaking Strength	7320kg	10613kg	10613kg	12736kg	12736kg	



OVERHEAD LINE INSTALLATION EQUIPMENT

Install and maintain a range of Overhead Line plant materials with our range of helpful extras including Running Out Blocks, bespoke tooling solutions, and cable clamps.

D-687 DOUBLE SHEAVE RUNNING OUT BLOCK



Designed to be strong but light, the D-687 is suitable for pole work. The aluminium sheaves are mounted on sealed ball bearings for low resistance.

SPECIFICATIONS

Dimensions	210x200x360mm
Weight	7.3kg
SWL	500kg

ORDERING INFORMATION

D-687	Pole Mounted Double Sheave Running Out Block
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D-685 SINGLE OFFSET SHEAVE RUNNING OUT BLOCK

This block has the same features as the CBS 687. Single sheave is offset to assist with, fixing conductor to clamp.



SPECIFICATIONS

Dimensions	210x280x330mm
Weight	4kg
SWL	300kg

ORDERING INFORMATION

D-685	Pole Mounted Single Sheave Running
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D-686 INTERMEDIATE RUNNING OUT BLOCK



Has a split frame and hooks to locate on brackets. The aluminium sheave is mounted on sealed ball bearings. Guide ring protect conductor from damage.

SPECIFICATIONS

Dimensions	110x250x140mm
Weight	2kg
SWL	300kg

ORDERING INFORMATION

D-686	Single Sheave Split Running Out Block
-------	---------------------------------------

D-793 REAR POLE ROLLER BLOCK

Suitable for stringing conductors at the rear of an angle pole.



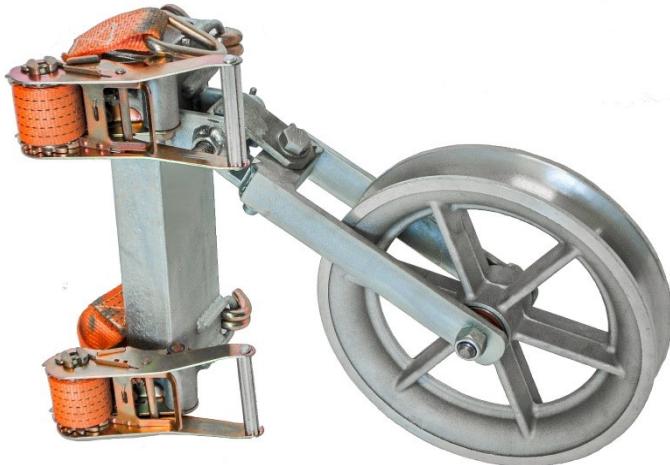
SPECIFICATIONS

Dimensions	250x200x300mm
Weight	10kg
SWL	600kg

ORDERING INFORMATION

D-793	Rear Pole Roller Block
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D-798 POLE TRAVERSING BLOCK



The block allows the stringing operation to be fed up or down poles, when access at the rear of the pole is not available. 300mm sheave with quick acting ratchet fixing and a conductor side gate.

SPECIFICATIONS

Dimensions	300x260x100mm
Weight	10kg
SWL	1200kg

ORDERING INFORMATION

D-798	Pole Traversing Block
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D-694-2 STRAIGHT CROSSARM RUNNING OUT BLOCK



Designed to mount onto cross arms up to 100mm angle. Sheaves are fitted with sleeve bearings. Unit comes complete with uplift roller to prevent conductor lifting out.

SPECIFICATIONS

Outside Diameter	85mm
Grove Width	25mm
Root Diameter	45mm
Weight	3kg
SWL	350kg

ORDERING INFORMATION

D-694-2	Crossarm Running Out Block - Straight
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D-807 CROSSARM RUNNING OUT BLOCK



Designed to mount onto angle cross arms up to 100mm. Sheaves are fitted with sleeve bearings. This design allows conductors to be strung around route deviations.

SPECIFICATIONS

Outside Diameter	85mm
Groove Width	25mm
Root Diameter	45mm
Weight	4.3kg
SWL	300kg

ORDERING INFORMATION

D-807

Crossarm Running Out Block - Angle

D-861 ANGLE CROSSARM RUNNING OUT BLOCK



The dual pin allows the nylon top roller to be opened from either side when inserting conductor. Suitable for cross arms up to 150mm angle.

SPECIFICATIONS

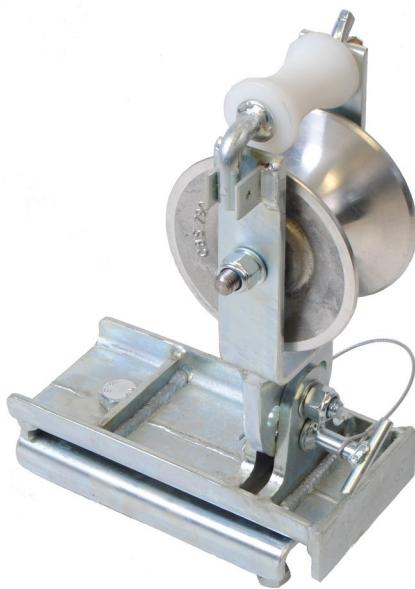
Outside Diameter	120mm
Grove Width	55mm
Root Diameter	55mm
Weight	3.6kg
SWL	300kg

ORDERING INFORMATION

D-861

Crossarm Running Out Block - Straight

D-862-1 CROSSARM ANGLE ROLLER



The adjustable angle facility allows the sheave to position through 180° in 45° increments. Fits cross arms up to 150mm angle. Nylon roller fitted.

SPECIFICATIONS

Outside Diameter	120mm
Groove Diameter	55mm
Root Diameter	55mm
Weight	5kg
SWL	400kg

ORDERING INFORMATION

D-862-1

Crossarm Angle Roller

D-683 RUNNING OUT BLOCK

Suitable for mounting onto cross arms up to 150mm angle, conductor-retaining pin is provided.



SPECIFICATIONS

Outside Diameter	120mm
Grove Width	55mm
Root Diameter	55mm
Weight	4kg
SWL	300kg

ORDERING INFORMATION

D-683

Running Out Block

D-733 INSULATOR MOUNTED RUNNING OUT BLOCK



Suitable for 33kV insulator, has two sheaves for stringing, which are lowered for making off onto insulator. The D-733 is designed to fit insulators from 115 – 135mm, whilst the D-917 is designed to fit insulators from 70 – 90mm.

SPECIFICATIONS

Dimensions	475x250x100mm
Weight	4kg
SWL	150kg

ORDERING INFORMATION

D-733	Insulator Mounted Running Out Block - 33kV
D-733-2	Insulator Mounted Running Out Block - 33kV With Uplift
D-917	Insulator Mounted Running Out Block - 11kV

D-691 SINGLE SHEAVE ALUMINIUM SUSPENSION BLOCK



Single sheave aluminium suspension block with spring loaded safety gate & steel zinc plated side frames. D-691-010 has a swivel oval eye arrangement. D-691-020 has a hole mounting to fit insulated clevis.

SPECIFICATIONS

Dimensions	550x300x170
Outside Diameter	300mm
Groove Width	45mm
Root Diameter	245mm
Weight	9kg
SWL	2400kg

ORDERING INFORMATION

D-691-010	Running Out Block Oval Eye
D-691-020	Running Out Block Tongue Mounting Clevis

SINGLE SHEAVE ALUMINIUM SUSPENSION BLOCK



Single sheave aluminium suspension block with spring loaded safety gate & steel zinc plated side frames. D-700 has a swivel oval eye arrangement. D-702 has a hole mounting to fit insulated clevis.

ORDERING INFORMATION

D-700-010	Running Out Block Rotating Oval Eye
D-702-020	Running Out Block Tongue Mounting Clevis

SPECIFICATIONS

Dimensions	703x470x200mm
Outside Diameter	470mm
Grove Width	55mm
Root Diameter	385mm
Weight	14kg
SWL	2400kg

D-717 TANDEM SHEAVE SUSPENSION BLOCK



With an automatic safety gate and steel side frames.

SPECIFICATIONS

Outside Diameter	170mm
Grove Width	65mm
Root Diameter	100mm
Weight	7kg
SWL	4000kg

ORDERING INFORMATION

D-717	Tandem Aluminium Sheave Running Out Block
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D-668 SWIVEL SAGGING BLOCK



Designed to fit tower cross arm to accept wire rope for sagging connector.

SPECIFICATIONS

Max Wire Rope Diameter	24mm
D-668-01 - SWL	2000kg
D-668 - SWL	3500kg
D-668-02 - SWL	5000kg

ORDERING INFORMATION

D-668	Swivel Sagging Block - M20
D-668-01	Swivel Sagging Block - M16
D-668-02	Swivel Sagging Block - M22

D-670 STRAIGHT SAGGING BLOCK



Designed to fit tower cross arm to accept wire rope for sagging connector.

SPECIFICATIONS

Max Wire Rope Diameter	16mm
Weight	8kg
SWL	2000kg

ORDERING INFORMATION

D-670	Straight Sagging Block
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D-736 SINGLE SHEAVE SUSPENSION BLOCK



Capable of accommodating the larger conductor, this aluminium suspension block has an automatic safety gate and steel frames. Hole mounted to fit insulator clevises.

SPECIFICATIONS

Outside Diameter	760mm
Grove Width	65mm
Root Diameter	625mm
Weight	24kg
SWL	2400kg

ORDERING INFORMATION

D-736

Running Out Block

D-1061 RUNNING OUT BLOCK



Single sheave aluminium suspension block with an automatic safety gate and steel side frames. Hole mounting c/w shackle

SPECIFICATIONS

Outside Diameter	620mm
Grove Width	56mm
Root Diameter	530mm
Weight	20kg
SWL	2400kg

ORDERING INFORMATION

D-1061

Running Out Block

D-691 SINGLE SHEAVE SUSPENSION BLOCK



With an automatic safety gate and steel side frames.
Hole mounting to fit insulator clevis.

ORDERING INFORMATION

D-691	Single Sheave Aluminium Suspension Block
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SPECIFICATIONS

Outside Diameter	300mm
Grove Width	45mm
Root Diameter	245mm
Weight	7kg
SWL	2400kg

AERIAL BUNDLE CONDUCTOR CLAMPS



Manufactured from high quality materials, the clamps have been specially designed to suit ABC conductors.

ORDERING INFORMATION

D-766	Come Along clamp 4x25-50mm ²
D-768	Come Along clamp 4x95mm ²
D-974	Come Along clamp 4x120mm ²

SPECIFICATIONS

D-766

D-768

D-974

Range	4x25-50mm ² / 2x35-70mm ²	4x70-95mm ²	4x120mm ²
WLL	600kgf	800kgf	1000kgf
Weight	2.3kg	4.7kg	7.95kg

D-IR3104-F SELF GRIPPING CLAMPS



SPECIFICATIONS	
Max Safety Load	117kN
Min Breaking Load	285kN
Weight	17kg

ORDERING INFORMATION

D-IR3104-G4A225F-F	22.5-24mm Interchangeable Liner for Aluminium	D-IR3104-G4B225F-F	22.5-24mm Interchangeable Liner for Copper
D-IR3104-G4A240F-F	24-25.5mm Interchangeable Liner for Aluminium	D-IR3104-G4B240F-F	24-25.5mm Interchangeable Liner for Copper
D-IR3104-G4A255F-F	25.5-27mm Interchangeable Liner for Aluminium	D-IR3104-G4B255F-F	25.5-27mm Interchangeable Liner for Copper
D-IR3104-G4A270F-F	27-28.5mm Interchangeable Liner for Aluminium	D-IR3104-G4B270F-F	27-28.5mm Interchangeable Liner for Copper
D-IR3104-G4A285F-F	28.5-30mm Interchangeable Liner for Aluminium	D-IR3104-G4B285F-F	28.5-30mm Interchangeable Liner for Copper
D-IR3104-G4A300F-F	30-31.5mm Interchangeable Liner for Aluminium	D-IR3104-G4B300F-F	30-31.5mm Interchangeable Liner for Copper
D-IR3104-G4A315F-F	31.5-33mm Interchangeable Liner for Aluminium	D-IR3104-G4B315F-F	31.5-33mm Interchangeable Liner for Copper
D-IR3104-G4A330F-F	33-34.5mm Interchangeable Liner for Aluminium	D-IR3104-G4B330F-F	33-34.5mm Interchangeable Liner for Copper
D-IR3104-G4A345F-F	34.5-36mm Interchangeable Liner for Aluminium	D-IR3104-G4B345F-F	34.5-36mm Interchangeable Liner for Copper
D-IR3104-G4A360F-F	36-37.5mm Interchangeable Liner for Aluminium	D-IR3104-G4B60F-F	36-37.5mm Interchangeable Liner for Copper
D-IR3104-G4A375F-F	37.5-39mm Interchangeable Liner for Aluminium	D-IR3104-G4B375F-F	37.5-39mm Interchangeable Liner for Copper
D-IR3104-G4A390F-F	39-40.5mm Interchangeable Liner for Aluminium	D-IR3104-G4B390F-F	39-40.5mm Interchangeable Liner for Copper
D-IR3104-G4A410F-F	41mm Interchangeable Liner for Aluminium	D-IR3104-G4B410F-F	41mm Interchangeable Liner for Copper

D-IR3105-F SELF GRIPPING CLAMPS



SPECIFICATIONS	
Max Safety Load	88kN
Min Breaking Load	235kN
Weight	13.5kg

ORDERING INFORMATION

D-IR3105-G5A120F-F	12-13.5mm Interchangeable Liner for Aluminium	D-IR3105-G5B120F-F	12-13.5mm Interchangeable Liner for Copper
D-IR3105-G5A135F-F	13.5-15mm Interchangeable Liner for Aluminium	D-IR3105-G5B135F-F	13.5-15mm Interchangeable Liner for Copper
D-IR3105-G5A150F-F	15-16.5mm Interchangeable Liner for Aluminium	D-IR3105-G5B150F-F	15-16.5mm Interchangeable Liner for Copper
D-IR3105-G5A165F-F	16.5-18mm Interchangeable Liner for Aluminium	D-IR3105-G5B165F-F	16.5-18mm Interchangeable Liner for Copper
D-IR3105-G5A180F-F	18-19.5mm Interchangeable Liner for Aluminium	D-IR3105-G5B180F-F	18-19.5mm Interchangeable Liner for Copper
D-IR3105-G5A195F-F	19.5-21mm Interchangeable Liner for Aluminium	D-IR3105-G5B195F-F	19.5-21mm Interchangeable Liner for Copper
D-IR3105-G5A210F-F	21-22.5mm Interchangeable Liner for Aluminium	D-IR3105-G5B210F-F	21-22.5mm Interchangeable Liner for Copper
D-IR3105-G5A225F-F	22.5-24mm Interchangeable Liner for Aluminium	D-IR3105-G5B225F-F	22.5-24mm Interchangeable Liner for Copper
D-IR3105-G5A240F-F	24-25.5mm Interchangeable Liner for Aluminium	D-IR3105-G5B240F-F	24-25.5mm Interchangeable Liner for Copper
D-IR3105-G5A255F-F	25.5-27mm Interchangeable Liner for Aluminium	D-IR3105-G5B255F-F	25.5-27mm Interchangeable Liner for Copper
D-IR3105-G5A270F-F	27-28.5mm Interchangeable Liner for Aluminium	D-IR3105-G5B270F-F	27-28.5mm Interchangeable Liner for Copper
D-IR3105-G5A285F-F	28.5-30mm Interchangeable Liner for Aluminium	D-IR3105-G5B285F-F	28.5-30mm Interchangeable Liner for Copper
D-IR3105-G5A300F-F	30-31.5mm Interchangeable Liner for Aluminium	D-IR3105-G5B300F-F	30-31.5mm Interchangeable Liner for Copper

D-IR3107-F SELF GRIPPING CLAMPS



SPECIFICATIONS	
Max Safety Load	49kN
Min Breaking Load	150kN
Weight	7kg

ORDERING INFORMATION

D-IR3107-G7A060F-F	6mm Interchangeable Liner for Aluminium	D-IR3107-G7B060F-F	6mm Interchangeable Liner for Copper
D-IR3107-G7A065F-F	6.5-8mm Interchangeable Liner for Aluminium	D-IR3107-G7B065F-F	6.5-8mm Interchangeable Liner for Copper
D-IR3107-G7A080F-F	8-9.5mm Interchangeable Liner for Aluminium	D-IR3107-G7B080F-F	8-9.5mm Interchangeable Liner for Copper
D-IR3107-G7A095F-F	9.5-11mm Interchangeable Liner for Aluminium	D-IR3107-G7B095F-F	9.5-11mm Interchangeable Liner for Copper
D-IR3107-G7A110F-F	11-12.5mm Interchangeable Liner for Aluminium	D-IR3107-G7B110F-F	11-12.5mm Interchangeable Liner for Copper
D-IR3107-G7A125F-F	12.5-14mm Interchangeable Liner for Aluminium	D-IR3107-G7B125F-F	12.5-14mm Interchangeable Liner for Copper
D-IR3107-G7A140F-F	14-15.5mm Interchangeable Liner for Aluminium	D-IR3107-G7B140F-F	14-15.5mm Interchangeable Liner for Copper
D-IR3107-G7A155F-F	15.5-17mm Interchangeable Liner for Aluminium	D-IR3107-G7B155F-F	15.5-17mm Interchangeable Liner for Copper
D-IR3107-G7A170F-F	17-18.5mm Interchangeable Liner for Aluminium	D-IR3107-G7B170F-F	17-18.5mm Interchangeable Liner for Copper
D-IR3107-G7A185F-F	18.5-20mm Interchangeable Liner for Aluminium	D-IR3107-G7B185F-F	18.5-20mm Interchangeable Liner for Copper
D-IR3107-G7A200F-F	20-21.5mm Interchangeable Liner for Aluminium	D-IR3107-G7B200F-F	20-21.5mm Interchangeable Liner for Copper
D-IR3107-G7A215F-F	21.5-23mm Interchangeable Liner for Aluminium	D-IR3107-G7B215F-F	21.5-23mm Interchangeable Liner for Copper

K-1656 STANDARD ALUMINIUM/COPPER GRIPS



The smooth round jaw contour provides maximum contact when used on bare ACSR, aluminium and standard copper conductors.

ORDERING INFORMATION

K-1656-20	Grips 5.08-10.16mm
K-1656-30	Grips 7.87-13.46mm
K-1656-40	Grips 13.46-18.8mm
K-1656-50	Grips 18.4-21.83mm
K-1656-60	Grips 21.83-24.6mm

	K-1656-20	K-1656-30	K-1656-40	K-1656-50	K-1656-60
Range	5.08-10.16mm	7.87-13.46mm	13.46-18.8mm	18.4-21.83mm	21.83-24.6mm
WLL	1150kgf	1160kgf	2400kgf	2400kgf	2400kgf
Weight	1.36kg	1.7kg	3.4kg	3.4kg	3.4kg

K-1684 EXTRA HIGH STRENGTH GRIPS



ORDERING INFORMATION

K-1684-5	Grips 5.54-13.97mm
K-1684-74	Curved Grips 5.54-13.97mm
K-1684-5C	Grips 4.06-13.97mm
K-1613-40	Grips 3.05-9.4mm

SPECIFICATIONS	K-1684-5	K-1684-74	K-1684-5C	K-1613-40
Range	5.54-13.97mm	5.54-13.97mm	4.06-13.97mm	3.05-9.4mm
WLL	2240kgf	2240kgf	2240kgf	1150kgf
Weight	2.83kg	2.83kg	2.83kg	1.3kg
Jaw Profile	Standard	Curved	Aggressive	Standard

K-1613-30 CHICAGO GRIPS



Lightweight, cost-effective grip. Designed for working with solid and stranded bare wire from 2 mm to 5.1 mm. Single "V" groove jaw.

SPECIFICATIONS

Jaw Length	76mm
Weight	0.7kg
WLL	630kgf
Min Capacity	2mm
Max Capacity	5.1mm

ORDERING INFORMATION

K-1613-30

Chicago Grip for Bare Wire

PARALLEL JAW GRIPS



Lightweight, compact grips pull an exceptionally wide range of cable sizes and types.

ORDERING INFORMATION

K-1685-20	3.98-22.22mm Parallel Jaw Grips
K-1685-31	15.87-31.75mm Parallel Jaw Grips

SPECIFICATIONS	K-1685-20	K-1685-31
Range	3.98-22.22mm	15.87-31.75mm
WLL	1600kgf	1380kgf
Weight	1.4kg	2.3kg
Jaw Length	63.5mm	114mm

PARALLEL JAW GRIPS



ORDERING INFORMATION

K-KT4500	15.87-31.75mm Parallel Jaw Grips
K-KT4600	15.87-31.75mm Parallel Jaw Grips
K-KT4650	15.87-31.75mm Parallel Jaw Grips
K-KT4800	15.87-31.75mm Parallel Jaw Grips

	K-KT4500	K-KT4600	K-KT4650	K-KT4800
Range	4.57-15.2mm	7.62-20.3mm	4.06-22.86mm	17.78-31.75mm
WLL	1200kgf	2970kgf	1980kgf	2940kgf
Weight	1.7kg	3.2kg	2kg	4.1kg
Jaw Length	102mm	127mm	114.3mm	130.2mm

K-171670 PARALLEL JAW GRIPS FOR HDPE



SPECIFICATIONS

Max Safe Load	1200kgf
Cable Diameter	15.9-34.6mm
Jaw Length	114.3mm
Weight	2.31kg

ORDERING INFORMATION

K-171670	Parallel Jaw Grips for HDPE Coated Cable
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K-1628 LARGE CONDUCTOR GRIPS



Custom made to individual conductor sizes to ensure maximum contact around the cable.

ORDERING INFORMATION

K-1628-16P	Grips 7.87-22.35mm
K-1628-30	Grips 21.59-31.5mm
K-1628-40	Grips 31.5-39.12mm

SPECIFICATIONS	K-1628-16P	K-1628-30	K-1628-40
Range	7.87-22.35mm	21.59-31.5mm	31.5-39.12mm
WLL	2245kgf	4080kgf	6650kgf
Weight	7.71kg	12.29kg	15.47kg

K-1604 MESSENGER & GUY HAVEN'S GRIPS

Designed for use when light, compact grip is desired and where conductor damage is not a factor.



	K-1604-10	K-1604-20L
Range	1.52-6.35mm	3.18-12.7mm
WLL	720kgf	1820kgf
Weight	1.8kg	0.95kg

ORDERING INFORMATION

K-1604-10	Grips 1.52-6.35mm
K-1604-20L	Grips 3.18-12.7mm

K-1625-20 WIRE ROPE HAVEN'S GRIPS

Designed for use when light, compact grip is desired and where conductor damage is not a factor. Swing latch helps hold cable in the jaw.



SPECIFICATIONS	
WLL	2700kgf
Range	1.77-19.05mm
Weight	1.8kg

ORDERING INFORMATION	
K-1625-20	Haven's Grip

D-732 ANALOG DYNAMOMETER



ORDERING INFORMATION	
D-732.05-F	5kN Dynamometer
D-732.10-F	10kN Dynamometer
D-732.20-F	20kN Dynamometer
D-732.30-F	30kN Dynamometer
D-732.40-F	40kN Dynamometer

SPECIFICATIONS	5kN	10kN	20kN	30kN	50kN
Length	110mm	135mm	135mm	150mm	260mm
Diameter	65mm	65mm	65mm	80mm	95mm
Eye Diameter	11mm	16mm	16mm	28mm	28mm
Weight	0.7kg	0.8kg	1.2kg	2.3kg	3.5kg

D-731 DIGITAL LOAD INDICATORS



The new digital load indicators are compact measuring devices for the weighing of loads. On account of their flexibility, these load indicators are suitable for a multitude of applications. Whether used as a conventional crane weighing machine or to measure forces, it is the economical choice for various applications. Simple and straight forward to use! The load indicators have an LCD display.

ORDERING INFORMATION

D-731-01-F	1000kg Digital Dynamometer
D-731-025-F	2500kg Digital Dynamometer
D-731-05-F	5000kg Digital Dynamometer

SPECIFICATIONS	D-731-01-F	D-731-025-F	D-731-05-F
Range	0-1000kg	0-2500kg	0-5000kg
Accuracy %	0.2	0.2	0.2
Resolution Step	1kg	1kg	1kg

E-859 HEAVY DUTY JOINTING GRIP PULLING STOCKINGS



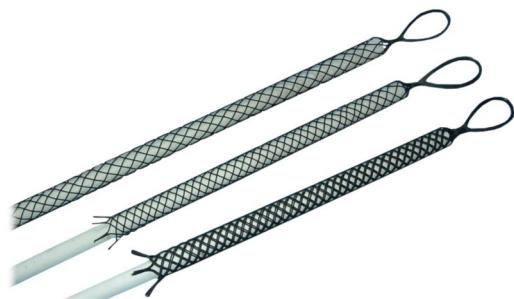
ORDERING INFORMATION

E-859-0630	6-13mm Heavy Duty Stocking
E-859-1230	12-19mm Heavy Duty Stocking
E-859-1930	19-25mm Heavy Duty Stocking
E-859-2530	25-32mm Heavy Duty Stocking
E-859-3230	32-38mm Heavy Duty Stocking
E-859-3830	38-48mm Heavy Duty Stocking

ORDERING INFORMATION
E-859-0630 6-13mm Heavy Duty Stocking

	E-859-0630	E-859-1230	E-859-1930	E-859-2530	E-859-3230	E-859-3830
Diameter Range	6-13mm	12-19mm	19-25mm	25-32mm	32-38mm	38-48mm
Min Breaking Strength	2250kg	3380kg	5540kg	9550kg	11456kg	11456kg
Grip Length	650mm	825mm	1025mm	1300mm	1400mm	1400mm

E-677 NON-CONDUCTIVE CABLE STOCKINGS



Manufactured from a man-made, high strength parallel-stranded fibre, and having a polyethylene sheath. Non-conductive, non-corrosive and abrasive resistant. Prevents damage to other components during the pulling operation. As a support grip, long life is ensured even in hostile environments.

SPECIFICATIONS - SINGLE WEAVE

Single Eye	E-677-1011	E-677-2011	E-677-3011	E-677-4011
Double Eye	E-677-1012	E-677-2012	E-677-3012	E-677-4012
Diameter Range	10-20mm	20-30mm	30-40mm	40-50mm
Min Breaking Strength	1120kg	1680kg	2240kg	2688kg

SPECIFICATIONS - DOUBLE WEAVE

Single Eye	E-677-3021	E-677-4021	E-677-5021	E-677-6521	E-677-8021
Double Eye	E-677-3022	E-677-4022	E-677-5022	E-677-6522	E-677-8255
Diameter Range	30-40mm	40-50mm	50-65mm	65-80mm	80-100mm
Min Breaking Strength	4480kg	5376kg	7168kg	7168kg	7168kg



E-858 HEAVY DUTY TRIPLE WEAVE PULLING STOCKINGS



STANDARD	E-858-0631	E-858-1231	E-858-1931	E-858-2531	E-858-3231	E-858-3831
Diameter Range	6-13mm	12-19mm	19-25mm	25-32mm	32-38mm	38-48mm
Min Breaking Strength	2250kg	3380kg	5540kg	9550kg	11456kg	11456kg
Grip Length	650mm	825mm	1025mm	1300mm	1400mm	1400mm

STRENGTHENED	E-858-1231 -1	E-858-S- 1631	E-858-S- 1931	E-858-S- 2531	E-858-S- 3231	E-858-S- 3831-1
Diameter Range	12-19mm	16-24mm	19-25mm	25-32mm	32-38mm	38-48mm
Min Breaking Strength	8500kg	9750kg	13500kg	15000kg	18000kg	24000kg
Grip Length	825mm	1100mm	1100mm	1400mm	1400mm	1400mm

E-860 LIGHT DUTY PULLING STOCKINGS



Lightweight, single weave pulling stocking with a single eye that is perfect for light duty cable pulling.

ORDERING INFO	E-860-0611	E-860-1011	E-860-1311	E-860-1611	E-860-1911	E-860-2511
Diameter Range	6-10mm	10-13mm	13-16mm	16-19mm	19-25mm	25-32mm
Min Breaking Strength	195kg	350kg	567kg	814kg	1172kg	1848kg
Grip Length	110mm	175mm	200mm	230mm	250mm	290mm

BALL BEARING SWIVELS



Swivels are essential for effective pulling operations of underground cables and overhead conductors. The swivels are fitted with bearings to prevent build up of twist in the cable pulling bond. CBS swivels are precision manufactured in high-grade steel with a plated finish.

ORDERING INFORMATION	D-516	D-565	D-564	D-801	D-953
SWL	800kgf	1600kgf	3500kgf	4500kgf	7260kgf
Diameter	26mm	34mm	37mm	40mm	64mm
Length	105mm	108mm	135mm	142mm	260mm
Jaw Opening	10mm	15mm	15mm	15mm	24.75mm
Pin Diameter	8mm	10mm	12.7mm	14mm	21.9mm
Weight	0.26kg	0.55kg	0.75kg	0.85kg	4.54kg

D-566 FUSED SWIVELS



Fused swivels are used in applications where the pulling force must not be exceeded. The fuses are replaceable and allow the swivel to break when the maximum applied load equals the rating of the fuse.

SPECIFICATIONS	
Body Diameter	22mm
Body Length	105mm
Jaw Opening	10mm
Weight	0.2kg

ORDERING INFORMATION	
D-566-01-F	Fused Swivel body 22mm
D-566-02-F	3kN Shear Pin x10
D-566-03-F	2kN Shear Pin x10
D-566-04-F	4kN Shear Pin x10
D-566-08-F	8kN Shear Pin x10

ROPE CONNECTORS

Rope Connectors provide as an effective method of jointing pulling grips.



ORDERING INFORMATION	
D-956	500kg Rope Connector
D-1043	1000kg Rope Connector
D-1169	3500kg Rope Connector
D-802	45000kg Rope Connector
D-1164	6000kg Rope Connector
D-1164-01	6000kg Rope Connector - Clevis/Jaw

	D-956	D-1043	D-1169	D-802	D-1164	D-1164-01
SWL	500kg	1000kg	3500kg	4500kg	6000kg	6000kg
Diameter	16mm	22mm	37mm	40mm	50mm	50mm
Length	51mm	55mm	88mm	90mm	108mm	124mm
Jaw Opening	7.5	9	15	15	18	18
Pin Diameter	5mm	7mm	12.73mm	14mm	16mm	16mm
Weight	0.04kg	0.09kg	0.45kg	0.52kg	1.04kg	0.9kg

D-146 CONDUCTIVE SWIVEL



Conductive swivels are suitable for passage of induced currents whilst refurbishing OHL conductors on transmission lines.

SPECIFICATIONS	
Current Rating	225A
Length	165mm
Diameter	40mm
Jaw Width	15mm
Weight	1.6kg
SWL	3500kg

ORDERING INFORMATION	
D-146	Conductive Swivel With Copper Braids

D-1082 INSULATED CONNECTOR ASSEMBLY



Connector Assemblies are provided as an effective method of joining two-cable pulling grips together when pulling O/H conductors. This Insulated Connector, designed to meet National Grid Specifications has been designed to insulate the joined Pulling Grips to stop the transfer of Induced Currents travelling along the length of conductor.

SPECIFICATIONS

Length	192mm
Diameter	40mm
Centres	160mm
Jaw Width	15.25mm
Pin Diameter	14mm
Weight	1.3kg
SWL	4500kg

ORDERING INFORMATION

D-1082-001 Insulated Connector Assembly

D-900 SWIVEL ESI 43/40 POLE PLATFORM



Manufactured in tubular aluminium, incorporating a non-slip open plate platform. Platforms have a safe working load of 250kg. All models feature a serrated pole gripping device and are lightweight and simple to apply.

ORDERING INFORMATION

D-900-15-1

D-900-20-1

Length	1.5m	2.0m
Weight	30kg	40kg
Length	1700mm	2260mm
Width	510mm	600mm
Height	920mm	940mm

D-457 GROUND ANCHOR



The screw type ground anchor provides secure anchorage points when operating on site. Manufactured in high quality steel to provide safe and firm location points when pulling and holding.

ORDERING INFORMATION	D-457-06-F	D-457-08-F	D-457-10-F
Disc Diameter	150mm	200mm	250mm
Shaft Diameter	20mm	25mm	28mm
Length	750mm	1200mm	1500mm
Weight	2.7kg	6.8kg	12.2kg

D-804 GROUND ANCHOR SET

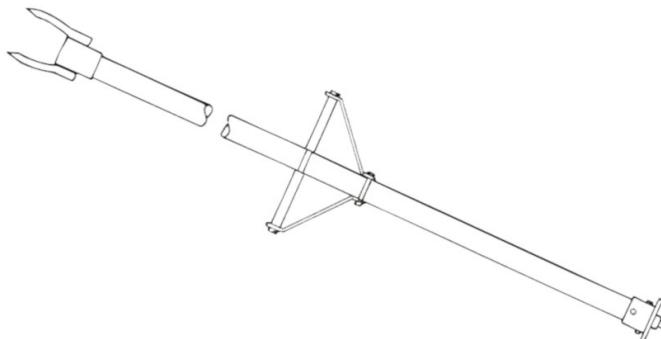
A sturdy ground anchor designed for use where near horizontal loads are being applied. Fixed by the insertion of eight pins.



SPECIFICATIONS	
Weight	62kg
SWL	3000kg

ORDERING INFORMATION	
D-804	Ground Anchor Set

D-498 POLE ERECTING PIKES



Wooden poles can be safely erected with two men deploying these lightweight pole pikes. Manufactured in aluminium tube with double pole spikes, push up handle and ground spike. Usually supplied in pairs of 3 or 4 varying lengths per set.

ORDERING INFORMATION	D-498-20	D-498-30	D-498-40	D-498-50
Length	2m	3m	4m	5m
Weight	8kg	9kg	11kg	14kg

TENSIONING SHOE



Special purpose device designed to meet Electricity Board Standards. Fits at the end of an insulator set when sagging and is used for making off dead ends on wood pole lines.

ORDERING INFORMATION	
D-822	Tensioning Shoe
D-325	Tensioning Shoe

SPECIFICATIONS	D-822	D-325
Shipping Weight	3.7kg	2.0kg
SWL	820kg	2000kg

D-710 POLE BOGIE



Ideally suited for transporting poles across rough terrain or soft ground. the poles are secured with quick action retaining straps.

Also available is the towing eye and strap for towing by vehicles (off-road towing only), and narrow versions for when restricted access is required.

ORDERING INFORMATION

D-710-1	Pole Bogie LP Tyres
D-710	Pole bogie Standard Tyres
D-710-8	Pole Bogie 500mm Wide
D-710-2	Towing Eye and Strap

SPECIFICATIONS	D-710-1	D-710	D-710-8
Length	1200mm	1200mm	1200mm
Width	1260mm	1075mm	500mm
Height	560mm	560mm	560mm
Weight	70kg	70kg	34kg
Tyres	Low Pressure	Standard	Standard



D-837-01 STAYWIRE DISPENSER

An essential aid for handling stay wire coils, robustly constructed in steel tube having a plated finish. Removable side arm for ease of loading, automatically feeds wire as drawn off by operator.



SPECIFICATIONS

Dimensions	950x410mm
Weight	8kg

ORDERING INFORMATION

D-837-01	Stay wire Dispenser
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D-929-01 CROSSARM LIFTER

This lightweight Aluminium Crossarm Lifter is ideal for raising even the largest crossarms to ESI 4340 to the top of any pole.

The lifter, which has a safe weight lift of 100kg, rests on the pole top and is strapped in position with a liberally rated chain plus toggle screw.

The Sheave is securely caged to prevent the lifting rope escaping while in action.



SPECIFICATIONS

Weight	13.18kg
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ORDERING INFORMATION

D-929-01	Crossarm Lifter
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D-840 YALE ERGO LEVER HOIST



Little effort is required to operate this high quality aluminium ratchet lever hoist. Offering faultless chain movement due to the guide being cast into the body and free chaining.

ODERING INFORMATION	D-840-07	D-840-15	D-840-30	D-840-60
Capacity	750kg	1500kg	3000kg	6000kg
Lift	1500mm	1500mm	1500mm	1500mm
Chain Dims	5.6x17.1mm	7.1x21mm	10x28mm	10x28mm
Weight	6.6kg	9.5kg	16.8kg	28.6kg

D-840 YALE HANDY LEVER HOIST



Smallest and lightest in the Yale range, making it suitable for a multitude of applications. Its size makes it easy to use, and ideal for tight working environments. The free chaining device allows for fast load attachment.

ODERING INFORMATION	D-840-02-F	D-840-05-F
Capacity	250kg	500kg
Lift	1500mm	1500mm
Chain Dims	4x12mm	4x12mm
Weight	2.2kg	2.8kg

D-840 YALE PT LEVER HOIST



The universal PT series lever hoists feature pressed steel housings and are extremely lightweight. The PT series are ideal for applications where economy is a decisive factor.

ORDERING INFORMATION	D-840-07-F	D-840-15-F	D-840-32-F	D-840-60-F
Capacity	800kg	1600kg	3200kg	6300kg
Lift	1500mm	1500mm	1500mm	1500mm
Chain Dims	5.6x17.1mm	7.1x21.2mm	9x27.2	9x27.2
Weight	5.5kg	9.6kg	16kg	31kg

D-1143 YALE UNOPLUS LEVER HOIST



These versatile ratchet lever hoists are compact, lightweight and feature stamped steel construction. The units represent superb economy and ship complete with free chaining device for fast load attachment.

ODERING INFORMATION	D-1143-07	D-1143-15	D-1143-30	D-1143-60
Capacity	750kg	1500kg	3000kg	6000kg
Lift	1500mm	1500mm	1500mm	1500mm
Chain Dims	6x18mm	8x24mm	10x30mm	10x30mm
Weight	7.2kg	12.5kg	21.5kg	32kg

D-785 MINI RATCHET PULLER



Specially designed and developed to meet the specific needs of linesmen for tensioning applications. The units are compact and lightweight, easy to operate in any position and feature a ratchet and automatic brake.

ORDERING INFORMATION

D-785-10-F	1000kg Ratchet Puller
D-785-15-F	1500kg Ratchet Puller

	D-785-10-F	D-785-15-F
Capacity	1000kgf	1500kgf
Wire Diameter	5	6.3
Wire No.	2	2
Min Length	410mm	450mm
Max Length	1210mm	1220mm
Weight	3.15kg	4.3kg

D-785 INSULATED WEB STRAP MINI RATCHET PULLER



	D-785-10-WS-F	D-785-15-WS-F
Capacity	1000kgf	1500kgf
Strap Size	2x33mm	2x40mm
Min Length	440mm	470mm
Max Length	1940mm	1970mm
Weight	3.3kg	4.6kg

ORDERING INFORMATION

D-785-10-WS-F	1000kg Ratchet Puller
D-785-15-WS-F	1500kg Ratchet Puller

D-477 TIRFOR ROPE HOIST



Ideal lifting and pulling device where long strokes are required. 20m of rope supplied as standard, longer ropes available on request.

ORDERING INFORMATION

D-477-08T-F	800kg Tirfor Cable Puller
D-477-16T-F	1600kg Tirfor Cable Puller
D-477-32T-F	3200kg Tirfor Cable Puller

SPECIFICATIONS	D-477-08T-F	D-477-16T-F	D-477-32T-F
Lifting Capacity	800kg	1600kg	3200kg
Pulling Capacity	1250kgf	2500kgf	5000kgf
Rope Diameter	8.4mm	11.5mm	16mm

D-477 YALETRAC CABLE PULLERS

Yaletrac cable pullers feature a lightweight, compact, high strength aluminium housing, smooth contour design with a large, flat bottom surface for increased stability in horizontal and vertical working positions.

ORDERING INFORMATION

D-477-08Y-F	800kg Yaletrac Cable Puller
D-477-16Y-F	1600kg Yaletrac Cable Puller
D-477-32Y-F	3200kg Yaletrac Cable Puller

SPECIFICATIONS	D-477-08Y-F	D-477-16Y-F	D-477-32Y-F
Capacity	800kg	1600kg	3200kg
Rope Diameter	8.4mm	11.5mm	16mm

D-557-4-F SPANOMETER CABLE MEASURING MACHINE



This machine has been designed to measure lengths of overhead cables. The unit is hung on the cable and a vertically movable pulley is used to clamp the measuring wheel to the cable. A shackle is provided to enable the machine to be pulled along. A mechanical counter then displays the length/distance that the machine has moved. Its primary use is for positioning of spacers on overhead power lines. Can accommodate cable sizes between 8-43mm diameters.

ORDERING INFORMATION

D-557-4-F

Overhead Cable/Rope Measuring
Device

D-967 MG ADAPTOR BOX

The MG Adaptor box is used in conjunction with the Pfisterer Electronic phase comparator K-827-189-008-F. This adaptor box is used only when the phase testing of Schneider switch gear is required.



SPECIFICATIONS

Max Amps 1.4A

Max Voltage 100V

ORDERING INFORMATION

D-967

Adaptor Box

HT 131-C HYDRAULIC CRIMPING TOOL



This self contained robust and sturdy tool will accept the semi-circular slotted dies, common to most 130kN tools. It is particularly suitable for installing crimping type electrical connectors for overhead line applications. 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. For ease of operation and comfort of the operator the tool head can be fully rotated through 180 degrees. The built in safety valve will bypass the oil supply when the maximum pressure is reached, and the pressure release system can easily be operated at any stage of compression.

ORDERING INFORMATION

G-459-HT131C-F Hydraulic Compression Tool

G-459-RHC131-F Remote Head for use With G-868-F

SPECIFICATIONS

Dimensions 473x144mm

Crimping Force 130kN

Weight 5.5kg

G-868-F 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 shaped stand gives the pump stability during operation.

SPECIFICATIONS

Operating Pressure 700 Bar

Dimensions 680x200x163mm

Weight 9.2kg

ORDERING INFORMATION

G-868-F Hydraulic Foot Pump

IR P 55 HYDRAULIC PRESS



The hydraulic Press of 55 tons compressive capacity is suitable for compression of joints on conductors and steel ropes on medium and high voltage power transmission lines. The unit features excellent weight/power ratio (2.9 ton/kg) and is easy to operate on suspension working platforms and steel towers thanks to the specific cover fitted on the press body. Maximum hexagonal key of 44 mm allows pressing of a conductor of 31.5 mm diameter.

ORDERING INFORMATION

G-IRP-P05502F-F	55 Ton Hydraulic Press
G-IRP-P055STAC-F	Die for Steel Compressions
G-IRP-P055STAL-F	Die for Aluminium Compression
G-IRP-P05S2574-F	Anti-Banana Device

SPECIFICATIONS

Max Pressing Force	55 Tons (550kN)
Press Weight	19kg (17kg Single Pipe)
Weight/Power Ratio	2.9 Ton/kg
Die Weight	1kg
Max Hexagon	44mm
Max Stroke	17mm
Case Dimensions	470x340x340mm

PETROL COMPRESSION HEAD HYDRAULIC POWER PACK



SPECIFICATIONS

Engine	5hp Four Stroke Petrol
Flow	1.3L/min
Max Oil Pressure	700 Bar
Tank Capacity	12L
Weight	45kg
Case Dimensions	470x670x600mm

ORDERING INFORMATION

G-IRP-CSA001F-F	Petrol Hydraulic Power Pack
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IR P 100 HYDRAULIC PRESS



The 100 ton hydraulic Press is the best press on the market in terms of lightness. Made of high tensile alloy steel, it is hot forged and suitable for the compression of joints on conductors and steel ropes for medium and high voltage power transmission lines. The press features excellent weight/power ratio (3.1 ton/kg) and is easy to operate on suspension working platforms and steel towers. Maximum hexagonal key of 57 mm. The unit is fitted with a control valve, pressure gauge and quick release couplings.

SPECIFICATIONS

Max Pressing Force	100 Tons
Press Weight	32kg
Weight/Power Ratio	3.1 Ton/kg
Die Weight	1.5kg
Max Hexagon	57mm
Max Stroke	26mm
Case Dimensions	470x340x400mm

ORDERING INFORMATION

G-IRP-P1001F-F	100 Ton Hydraulic Press
G-IRP-P100STAC-F	Die for Steel Compressions
G-IRP-P100STAL-F	Die for Aluminium Compression

ELECTRIC COMPRESSION HEAD HYDRAULIC POWER PACK



SPECIFICATIONS

Engine	220/380V 3 Phase 2.2kW
Flow	1.3L/min
Max Oil Pressure	700 Bar
Tank Capacity	12L
Weight	44kg
Case Dimensions	470x670x600mm

ORDERING INFORMATION

G-IRP-CSA002F-F	Petrol Hydraulic Power Pack
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D-914 RIDGID ACSR CABLE TRIMMER



Fast, accurate cable splice preparation. The bushing holder, cutter and handy carrying case are sold as one unit. Case contains storage sockets for 11 bushings.

SPECIFICATIONS

Weight	2.8kg
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ORDERING INFORMATION

D-914-RIDGID-87-F	ACSR Cable Trimmer
D-914-RIDGID-87-01-F	Ridgid Cutter wheel No.87

D-914 RIDGID BUSHINGS

Multiple bushing types are available to fit the RIDGID ACSR tool.



ORDERING INFORMATION

D-914-RIDGID-HORSE	70mm ²
D-914-RIDGID-LYNX	175mm ²
D-914-RIDGID-ZEBRA	400mm ²
D-914-RIDGID-CROW	361.6mm ²
D-914-RIDGID-OSLOW	325mm ²
D-914-RIDGID-WOLF	150mm ²
D-914-RIDGID-LONDON	780mm ²
D-914-RIDGID-MATTHEW	56.3mm ²

D-257 DOUBLE PODGER RATCHET



Ratchet facility in both directions, two sizes per wrench.

ORDERING	Flat Size	Bolt Size
D-251-1014-F	10x14mm	M6xM8
D-257-1113-F	10x13mm	1/4 x 5/16
D-257-1317-F	13x17mm	M8xM10
D-257-1719-F	17x19mm	M10xM12
D-257-1921-F	19x21mm	7/16 x 1/2

ORDERING	Flat Size	Bolt Size
D-257-1924-F	19x24mm	M12xM16
D-257-2126-F	21x26mm	1/2 x 5/8
D-257-2430-F	24x30mm	M16xM20
D-257-2632-F	26x32mm	5/8 x M22
D-257-3032-F	30x32mm	M20xM22
D-257-3235-F	32x35mm	3/4 x 7/8
D-257-3236-F	32x36mm	M22xM24
D-257-3541-F	35x41mm	7/8 x 1
D-257-3641-F	36x41mm	M24xM27
D-257-4146-F	41x46mm	M27xM30

D-258 DOUBLE RATCHET SPANNER



A universal tool, ratchet facility in both directions, two sizes per wrench. Sizes from 13 x 17 to 30 x 32mm A/F.

ORDERING	Flat Size	Bolt Size
D-258-1317-F	13x17mm	M8xM10
D-258-1719-F	17x19mm	M10xM12
D-258-1921-F	19x21mm	7/16 x 1/2
D-258-2126-F	21x26mm	1/2 x 5/8
D-258-2224-F	22x24mm	M14xM16
D-258-2427-F	24x27mm	M16xM18
D-258-2430-F	24x30mm	M16xM20
D-258-3032-F	30x32mm	M20xM22

G-GMP-75248 ACSR RATCHET CUTTERS

Designed for cutting ACSR Conductors up to 23mm diameter.



SPECIFICATIONS

Length	457mm
Weight	1.81kg

ORDERING INFORMATION

G-GMP-75248	Heavy Duty Ratchet Cutter
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G-GMP-75249 ACSR QUICK RELEASE RATCHET CUTTERS

Quick action Ratchet Cutters designed for use on Copper & Aluminium cables. (Not for Steel)



SPECIFICATIONS

Length	457mm
Weight	1.9kg

ORDERING INFORMATION

G-GMP-75249	Quick Release Heavy Duty Ratchet Cutter
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G-GMP-15304 CABLE CROPPERS

Designed for cutting Copper & Aluminium Cables (not suitable for steel or ACSR).



SPECIFICATIONS

Length	220mm
Weight	0.28kg

ORDERING INFORMATION

G-GMP-15304	Cable Croppers
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G-GMP-75246 ALUMINIUM & COPPER CABLE CROPPERS

Designed for cutting Copper & Aluminium cable (not suitable for steel or ACSR)



SPECIFICATIONS

Max Cable Diameter	32mm
Length	533mm
Weight	1.5kg

ORDERING INFORMATION

G-GMP-75246	32mm Cable Croppers for Aluminium and Copper
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G-GMP-75247 CABLE CROPPERS

Designed for cutting Copper & Aluminium cable (not suitable for steel or ACSR)



SPECIFICATIONS

Max Cable Diameter	50mm
Length	813mm
Weight	4kg

ORDERING INFORMATION

G-GMP-75247	50mm Cable Croppers for Aluminium and Copper
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D-805 HYDRAULIC CUTTERS



Hand operated hydraulic cutters, designed to increase speed and reduce effort of cutting conductors and cables whilst providing a superior finish.

Models D-805-04-F & D-805-05-F are two-speed for faster operation.

ORDERING INFORMATION

D-805-025-F	25mm Hydraulic Cutters
D-805-04-F	45mm Hydraulic Cutters
D-805-05-F	50mm Hydraulic Cutters
D-805-085-F	85mm Hydraulic Cutters

SPECIFICATIONS	D-805-025	D-805-04-F	D-805-05-F	D-805-085
Cu/Al Cable	25	45	50	85
Cu/ACSR Conductor	25	45	-	-
Weight	3.2kg	5.8kg	4.4kg	6.6kg



KLEIN TOOLS

Market leading tools from Klein. We offer a wide selection of tooling to fulfil any task on site. The range includes Cutters, Canvas Bags, Insulated tools, and a selection of tool kits.



K-D20009NE HEAVY DUTY LINESMANS PLIERS



Cuts ACSR, screws, nails and most hardened wire. High-leverage design. Not Insulated.

SPECIFICATIONS

Length	238mm
Weight	0.5kg
Jaw Length	40.5mm
Jaw Width	32mm
Nose Type	New England

ORDERING INFORMATION

K-DE20009NE	Side Cutting Linesman's Pliers
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K-D20009NETP FISH TAPE PULLING LINESMANS PLIERS



SPECIFICATIONS

Length	238mm
Weight	0.5kg
Jaw Length	40.5mm
Jaw Width	32mm
Nose Type	New England

ORDERING INFORMATION

K-DE20009NETP	Fish Tape Linesman's Pliers
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Quickly and easily pulls 1/8" (3 mm) or 1/4" (6 mm) flat steel fish tape without damaging the tape. Cuts ACSR, screws, nails, and most hardened wire. Not insulated.

K-63607 ACSR RATCHET CABLE CUTTER

Designed for cutting ACSR, Copper and Aluminium.



SPECIFICATIONS

Length	261mm
Weight	0.7kg

ORDERING INFORMATION

K-63607	ACSR Ratchet Cable Cutter
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K-63050 HIGH LEVERAGE CABLE CUTTER



Designed for cutting Copper & Aluminium Cables (not suitable for steel or ACSR)

SPECIFICATIONS

Length	242mm
Weight	0.5kg

ORDERING INFORMATION

K-63050	High Leverage Cable Cutter
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K-63060 RATCHET CABLE CUTTERS



Quick action Ratchet Cutters designed for use on Copper & Aluminium cables up to 25mm (Not for Steel)

ORDERING INFORMATION

K-63060	Ratchet Cable Cutters
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SPECIFICATIONS

Length	261mm
Weight	0.6kg

K-63711 OPEN JAW CABLE CUTTERS



Quick action Ratchet Cutters designed for use on Copper & Aluminium cables up to 25mm (Not for Steel or ACSR)

ORDERING INFORMATION

K-63711

Open Jaw Ratchet Cable Cutter

SPECIFICATIONS

Length	292mm
Weight	0.9kg

K-63750 RATCHET CABLE CUTTERS



Quick action Ratchet Cutters designed for use on Copper & Aluminium cables up to 25mm.

ORDERING INFORMATION

K-63750

Ratchet Cable Cutter

SPECIFICATIONS

Length	308mm
Weight	0.8kg

K-63016 HEAVY DUTY CABLE SHEARS



SPECIFICATIONS

Length	190.5mm
Weight	0.29kg

ORDERING INFORMATION

K-63016

Heavy Duty Cable Shears

K-63041TH STANDARD CABLE CUTTERS



SPECIFICATIONS

Length	648mm
Weight	2.4kg

ORDERING INFORMATION

K-63041TH	25" Standard Cable Cutters
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K-63045 STANDARD CABLE CUTTERS



SPECIFICATIONS

Length	813mm
Weight	3.7kg

ORDERING INFORMATION

K-63045	32" Standard Cable Cutters
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K-6027DD 7" DEMOLITION SCREWDRIVER



Engineered, manufactured and tested for prying and chiselling. Plated metal strike cap to protect handle from hammer blows.

SPECIFICATIONS

Length	314mm
Weight	0.25kg
Shank Length	7" (178mm)
Tip Type	Keystone
Tip Size	5/16" (7.9mm)

ORDERING INFORMATION

K-6027DD	7" Demolition Screwdriver
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STEEL HANDLE BOLT CUTTERS



All purpose bolt cutters with steel handles fitted with heavy vinyl grips with flat grips ends for 90° cuts. Centre-cut jaws for soft, medium and hard metals. Not suitable for cable cutting.

ORDERING INFORMATION	K-63314	K-63318	K-63324	K-63336
Length	355.6mm	457mm	610mm	915mm
Weight	1.45kg	1.6kg	2.9kg	6.5kg
Soft/Med Capacity	7.9mm	9.5mm	11mm	14mm
Hard Capacity	4.8mm	6.4mm	7.9mm	11mm

FIBREGLASS HANDLE BOLT CUTTERS



All purpose bolt cutters with fibreglass handles fitted with heavy vinyl grips with flat grips ends for 90° cuts. Centre-cut jaws for soft, medium and hard metals. Not suitable for cable cutting.

ORDERING INFORMATION	K-63118	K-63124	K-63136
Length	463mm	622mm	927mm
Weight	1.7kg	2.8kg	5.9kg
Soft/Med Capacity	9.5mm	11mm	14mm
Hard Capacity	6.4mm	7.9mm	11mm

K-80936MF MILLED-FACE LINESMAN'S HAMMER



One milled face for driving staples used in pole-line work and common, unhardened nails. Other face is smooth for driving heavier duty hardware. Rugged and well-balanced, with the weight to drive lag bolts.

ORDERING INFORMATION

K-80936MF

Linesman's Milled Face Hammer

SPECIFICATIONS

Length	356mm
Weight	1.1kg
Head Weight	1021g

K-50712 EXTRA CAPACITY ADJUSTABLE WRENCH



ORDERING INFORMATION

K-50712

12" Adjustable Wrench

SPECIFICATIONS

Length	311mm
Weight	0.8kg
Jaw Capacity	38mm

K-44006 2 5/8" LOCKBACK KNIFE



ORDERING INFORMATION

K-44006

Lockback Knife

SPECIFICATIONS

Length	168.3mm
Closed Length	98.4mm
Blade Length	66.7mm
Weight	37g
Blade Type	Sheepsfoot
Blade Material	AUS 8 Stainless Steel

K-CN1972AR POLE CLIMBING IRONS



Spur type adjustable climbers; make easy work of pole climbing. Comfort pads, and calf and ankle straps, replacement gaffs. A complete range of spare parts and sharpening equipment is available.

SPECIFICATIONS

Weight	2.7kg
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ORDERING INFORMATION

K-CN1972AR	Pole Climbing Irons
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SPARE PARTS

K-1972AR	1 1/2" Gaffs
K-8210	Comfort Pads
K-530118	Calf Straps
K-72	Replacement Gaffs
K-530120	Ankle Straps
K-1945G	Removable Gaff Protectors
K-8220	Velcro Climber Pads
K-KG-2	Gaff Sharpening Kit

K-51TOP VINYL BUCKET TOP



SPECIFICATIONS

Height	88.9mm
Diameter	317.5mm
Weight	0.18kg

ORDERING INFORMATION

K-51TOP	Vinyl Bucket Top
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CANVAS TOOL BUCKETS

Made from heavy duty canvas, these durable canvas buckets are used for carrying tools from the ground to an aerial position.

K-5014CLR HEAVY DUTY TOP CLOSING BUCKET



SPECIFICATIONS	5014CLR17	5014CLR22
Diameter	356mm	356mm
Height	432mm	559mm
Weight	3kg	3.2kg

ORDERING INFORMATION

K-5014CLR17	17" Canvas Bucket
K-5014CLR22	22" Canvas Bucket

K-5172PS HEAVY DUTY BUCKET



SPECIFICATIONS	
Top Diameter	305mm
Bottom Diameter	229mm
Height	305mm
Weight	1.1kg

ORDERING INFORMATION

K-5172PS	12" Heavy Duty Canvas Bucket With Internal Pockets
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K-5104S LEATHER BOTTOM BUCKET



ORDERING INFORMATION

K-5104S

Leather Bottom Bucket

SPECIFICATIONS

Diameter	305mm
Height	432mm
Weight	1.3kg
Load Rated	45kg

K-5109 WIDE OPENING STRAIGHT WALL BUCKET



ORDERING INFORMATION

K-5109

Wide Opening Canvas Bucket

SPECIFICATIONS

Diameter	305mm
Height	381mm
Weight	0.9kg
Load Rated	34kg

K-5109P WIDE STRAIGHT WALL BUCKET WITH POCKET



ORDERING INFORMATION

K-5109P

Wide Canvas Bucket

SPECIFICATIONS

Diameter	305mm
Height	381mm
Weight	1.0kg
Load Rated	34kg

K-511048 LINE HOSE BAG



SPECIFICATIONS

Diameter	178mm
Height	1219mm
Weight	1kg

ORDERING INFORMATION

K-511048

Line Hose Canvas Bag

K-5106S STRAIGHT WALL BUCKET WITH SNAP HOOK



SPECIFICATIONS

Diameter	228.6mm
Height	355.6mm
Weight	0.8kg

ORDERING INFORMATION

K-5106S

Swivel Snap Canvas Bucket

K-5144 AERIAL OVAL BUCKET WITH HOOKS



SPECIFICATIONS

Length	356mm
Width	178mm
Height	254mm
Weight	0.9kg
Interior Pockets	15

ORDERING INFORMATION

K-5144

Oval Canvas Bucket + Hooks

K-5144S OVAL BUCKET



ORDERING INFORMATION

K-5144S

Oval Bucket With Snap Hook

SPECIFICATIONS

Length	356mm
Width	178mm
Height	254mm
Weight	1kg
Interior Pockets	15

K-5144BHB HARD BODY OVAL BUCKET



ORDERING INFORMATION

K-5144S

Hard Body Oval Bucket

SPECIFICATIONS

Length	356mm
Width	178mm
Height	254mm
Weight	0.9kg
Interior Pockets	14

K-55421BP14 TRADESMAN PRO BACKPACK



ORDERING INFORMATION

K-55421BP14

Tradesman Pro Backpack

SPECIFICATIONS

Length	368mm
Width	184mm
Height	508mm
Weight	2.7kg
Pockets	39

K-51829M AERIAL APRON WITH MAGNET



SPECIFICATIONS

Width	610mm
Height	254mm
Weight	1.8kg
Interior Pockets	18

ORDERING INFORMATION

K-5144S	Aerial Apron
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K-50506SEN PVC CUTTERS



SPECIFICATIONS

Length	216mm
Weight	0.5kg
PVC Capacity	19mm
Non-Metal Capacity	25.4mm
Flexible Pipe Capacity	34.9mm

ORDERING INFORMATION

K-50506SEN	PVC Cutters
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K-88912 PVC AND MULTILAYER TUBE CUTTERS



SPECIFICATIONS

Dimensions	186x25x66mm
Weight	215g
PVC Capacity	19mm
Multilayer Capacity	25mm

ORDERING INFORMATION

K-88912	PVC & Tube Cutters
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K-50034 RATCHETING PVC CUTTERS



ORDERING INFORMATION

K-50034

Ratcheting PVC Cutter

SPECIFICATIONS

Length	279mm
Weight	0.6kg
OD PVC Capacity	16-63.5mm
ID PVC Capacity	13-50.8mm

K-88910 MINI TUBE CUTTER



For cutting $\frac{1}{8}$ " - $\frac{5}{8}$ " copper and aluminium tubing.

SPECIFICATIONS

Dimensions	37x21x38mm
Weight	0.1kg

ORDERING INFORMATION

K-88910

Mini Tube Cutter

K-88977 PRO MINI TUBE CUTTER



Perfect for tight space cutting - requires only $\frac{3}{8}$ " (35mm) swing radius.

ORDERING INFORMATION

K-88977

Pro Mini Tube Cutter

SPECIFICATIONS

Length	44mm
Weight	0.07kg
Cutting Capacity	3.2-15.9mm OD

K-88904 TUBE CUTTER



ORDERING INFORMATION

K-88904

Tube Cutter

SPECIFICATIONS

Length	153mm
Weight	0.6kg
Cutting Capacity	3.2-34.9mm Steel and Copper tubing

K-93LDM65 20M LASER DISTANCE MEASURER



Meter provides measurements up to 20m/65ft in distance, at an accuracy of + or - 1.6mm. Quickly calculates area, length and volume with large, easy-to read buttons.

ORDERING INFORMATION

K-93LDM65

20m Laser Measurer

SPECIFICATIONS

Dimensions	114x51x35mm
Weight	145g
Range	50.8mm - 19.8m
Type	Laser Reflection
Accuracy	+/- 1.6mm
Standard	IP54
Display	LCD
Batteries	2x AAA

K-TT1 TOOL TETHER



Keep your tools close at hand when working at height.

ORDERING INFORMATION

K-TT1

Tool Tether

SPECIFICATIONS

Max Weight	4.5kg
Slack Length	812.8mm
Stretched Length	1524mm

K-TT2 TRIPLE LOCKING TOOL TETHER



SPECIFICATIONS

Max Weight	7kg
Slack Length	813mm
Stretched Length	1295mm

ORDERING INFORMATION

K-TT2 Triple Locking Tool Tether

K-D2288TT HIGH LEVERAGE DIAGONAL CUTTERS



SPECIFICATIONS

Length	203.2mm
Weight	0.31kg
Jaw Width	31.8mm
Jaw Capacity	25.4mm

ORDERING INFORMATION

K-D2288TT High Leverage Diagonal Cutter

K-D2489STT REBAR WORK DIAGONAL CUTTERS



SPECIFICATIONS

Length	228.6mm
Weight	0.31kg
Jaw Width	31.8mm
Jaw Capacity	25.4mm

ORDERING INFORMATION

K-D2489STT Rebar Work Diagonal Cutters

K-D2139NETT 9" SIDE CUTTERS



ORDERING INFORMATION

K-D2139NETT

9" Side Cutters

SPECIFICATIONS

Length	238.1mm
Weight	0.5kg
Jaw Width	31.8mm
Jaw Capacity	38.1mm

K-D2139STT REBAR WORK PLIERS



ORDERING INFORMATION

K-D2139STT

Rebar Work Pliers

SPECIFICATIONS

Length	238.1mm
Weight	0.5kg
Jaw Width	31.8mm
Jaw Capacity	12.7mm

K-D2017CSTT SLIM REBAR WORK PLIERS



ORDERING INFORMATION

K-D2017CSTT

Slim Rebar Pliers

SPECIFICATIONS

Length	228.6mm
Weight	0.31kg
Jaw Width	31.8mm
Jaw Capacity	15.4mm

REBAR WORK DIAGONAL CUTTERS



Quick-adjust rivet allows one-handed fast, easy adjustment of plier jaws with a secure tongue and groove design for non slip grip - even with heavy pressure.

ORDERING INFORMATION	K-D5206TT	K-D50210TT	K-D50212TT
Length	8" (203.2mm)	11 1/4" (285.8mm)	13" (330.2mm)
Width	2" (50.8mm)	2 3/4" (69.9mm)	3/8" (9.5mm)
Height	1/4" (6.4mm)	1/2" (12.7mm)	1 3/4" (44.5mm)
Weight	0.19kg	0.43kg	0.6kg
Jaw Capacity	7/8" (22mm)	1 3/4" (44.5mm)	2 3/8" (60.3mm)

ADJUSTABLE SPUD WRENCH



Eliminates the need for carrying several fixed-size wrenches. Precision-machined jaws are individually chosen and assembled by hand for smooth operation. Heat-treated for long life. Knurl turns smoothly for easy operation.

ORDERING INFORMATION	K-3227	K-3239
Length	11" (279.4mm)	16" (406.4mm)
Weight	0.5kg	1.1kg
Jaw Capacity	1 5/16" (33.3mm)	1 1/2" (38.1mm)

BROAD HEAD BULL PIN



ORDERING INFORMATION	K-D5206TT	K-D50210TT
Length	13 $\frac{3}{4}$ " (349.3mm)	10" (254mm)
Diameter	1 $\frac{1}{4}$ " (31.8mm)	1 $\frac{1}{16}$ " (27mm)
Point Diameter	0.313" (7.9mm)	$\frac{1}{4}$ " (6.4mm)
Weight	1.3kg	0.7kg

K-3259 TETHER HOLE BULL PIN



SPECIFICATIONS	
Length	12" (304.8mm)
Diameter	1 $\frac{5}{16}$ " (33.3mm)
Point Diameter	$\frac{7}{16}$ " (11.1mm)
Weight	1kg (Steel), 1.1kg (Stainless Steel)

ORDERING INFORMATION

K-3259

Tether Pole Bull Pin

K-3246TT 36" ROUND BAR



Cross hole with no sharp edges for tethering when working at height. Chisel end is at a 15-degree angle for even greater leverage.

SPECIFICATIONS	
Length	914.4mm
Diameter	22.2mm
Weight	2.4kg
End	15°

ORDERING INFORMATION

K-3246TT

36" Round Bar

US HEAVY ERECTION WRENCH



Forged from select alloy steel to withstand high-leverage and heavy loads. Continuous taper of handle makes lining-up bolt holes easy and works on a range of bolt and/or hole sizes without binding. Cross-hole with no sharp edges for tethering.

ORDERING INFORMATION	K-3212TT	K-3213TT	K-3214TT
Length	16 $\frac{5}{8}$ " (422.3mm)	17 $\frac{3}{8}$ " (441.3mm)	18" (457.2mm)
Weight	0.9kg	1.2kg	1.5kg
Head Width	2 $\frac{1}{2}$ " (63.5mm)	3" (76.2mm)	3 $\frac{5}{8}$ " (92.1mm)
Bolt Size	$\frac{3}{4}$ " (19.1mm)	$\frac{7}{8}$ " (22.2mm)	1" (25.4mm)
Nominal Opening	1 $\frac{1}{4}$ " (31.8mm)	1 $\frac{7}{16}$ " (36.5mm)	1 $\frac{5}{8}$ " (41.3mm)
Taper Diameter	1" - $\frac{1}{4}$ " (25.4-6.4mm)	1 $\frac{1}{8}$ " - $\frac{9}{32}$ " (28.6-7.1mm)	1 $\frac{1}{8}$ " - $\frac{1}{4}$ " (28.6-6.4mm)

K-86315 5M DOUBLE HOOK MAGNETIC TAPE MEASURE



SPECIFICATIONS	
Length	82.6mm
Width	50.8mm
Height	77.4mm
Weight	0.37kg

ORDERING INFORMATION
K-86315 5m Tape Measure

K-5195TT TAPE MEASURE HOLDER



Designed to fit most 25 and 30 feet tape measures securely.

ORDERING INFORMATION

K-5195TT

Tape Measure Holder

SPECIFICATIONS

Belt Width	Up to 64mm
Weight	0.05kg

K-9319RETT MAGNETIC TORPEDO LEVEL



SPECIFICATIONS

Length	228.6mm
Weight	0.05kg
Material	Aluminium

ORDERING INFORMATION

K-9319RETT

Magnetic Torpedo Level

K-NRHD4 4-IN-1 SQUARE IMPACT SOCKET



ORDERING INFORMATION

K-NRHD4

4-in-1 Square Impact Socket

SPECIFICATIONS

Length	228.6mm
Width	50.8mm
Height	50.8mm
Weight	1.03kg
No of points	4

K-66004 2-IN-1 SQUARE IMPACT SOCKET



ORDERING INFORMATION

K-66004

2-in-1 Square Impact Socket

SPECIFICATIONS

Length	27.9mm
Width	27.9mm
Height	79.2mm
Weight	0.2kg
No of points	6

K-63700 HEAVY DUTY RATCHET CUTTERS



ORDERING INFORMATION

K-63700

Heavy Duty Ratchet Cutters

SPECIFICATIONS

Length	711mm
Weight	6.4kg

K-63800ACSR ACSR RATCHET CABLE CUTTERS



ORDERING INFORMATION

K-63800ACSR

ACSR Ratchet Cutters

Designed for cutting ACSR Conductors up to 22mm in diameter in addition to 25mm Copper, 31mm Aluminium.

SPECIFICATIONS

Length	356mm
Weight	1.5kg

K-213-9NE-INS INSULATED LEVERAGE SIDE CUTTERS



ORDERING INFORMATION	K-213-9NE-INS	K-2000-9NE-INS
Length	244.5mm	244.5mm
Jaw Length	40.5mm	40.5mm
Jaw Width	33.3mm	33.3mm
Weight	0.59kg	0.6kg
Nose Type	New England	New England
Heavy Duty	No	Yes

INSULATED HIGH LEVERAGE DIAGONAL CUTTERS



ORDERING INFORMATION	K-248-8INS	K-248-8INS	K-2000-28-INS	K-2000-48-INS
Length	209.6mm	209.6mm	209.6mm	209.6mm
Jaw Length	20.6mm	20.6mm	20.6mm	20.6mm
Jaw Width	30.2mm	30.2mm	30.2mm	30.2mm
Weight	0.32kg	0.32kg	0.32kg	0.32kg
Nose Type	Tapered	Angled	Tapered	Angled
Heavy Duty	No	No	Yes	Yes

K-12098-INS INSULATED UNIVERSAL SIDE CUTTERS



ORDERING INFORMATION

K-12098-INS

Insulated Side Cutters

SPECIFICATIONS

Length	225.4mm
Jaw Length	45.2mm
Jaw Width	26.2mm
Weight	0.45kg
Nose Type	Universal

K-2139NE-CR-INS INSULATED CRIMPING SIDE CUTTERS



ORDERING INFORMATION

K-2139NE-CR-INS

Insulated Crimping Cutters

SPECIFICATIONS

Length	244.5mm
Jaw Length	40.5mm
Jaw Width	33.3mm
Weight	0.59kg
Nose Type	New England

K-220-7-INS INSULATED DIAGONAL CUTTERS



ORDERING INFORMATION

K-220-7-INS

Insulated Diagonal Cutters

SPECIFICATIONS

Length	200mm
Jaw Length	25.4mm
Jaw Width	24.6mm
Weight	0.32kg
Nose Type	Tapered

K-203-8-INS INSULATED 8" LONG NOSE PLIERS



ORDERING	K-203-8-INS	K-208-8N-INS
Length	225.4mm	225.4mm
Jaw Length	58.7mm	58.7mm
Jaw Width	25.4mm	25.4mm
Weight	0.32kg	0.32kg
Extras	Extended Handles	Skinning Hole No.12

K-203-7-INS INSULATED 7" LONG NOSE PLIERS



ORDERING INFORMATION

K-203-7-INS

7" Long Nose Pliers

SPECIFICATIONS

Length	187.3mm
Jaw Length	61.9mm
Jaw Width	17.5mm
Weight	0.14kg
Extras	Curved Handles

K-203-6-INS INSULATED 6" LONG NOSE PLIERS



ORDERING INFORMATION

K-203-6-INS

6" Long Nose Pliers

SPECIFICATIONS

Length	174.6mm
Jaw Length	49.2mm
Jaw Width	17.5mm
Weight	0.14kg
Extras	Curved Handles

K-502-10-INS INSULATED PUMP PLIERS



SPECIFICATIONS

Length	260.4mm
Weight	0.59kg
Max Capacity	44.5mm

ORDERING INFORMATION

K-502-10-INS Insulated Pump Pliers

K-1005-INS INSULATED CRIMPING/CUTTING TOOL



SPECIFICATIONS

Length	247.7mm
Weight	0.45kg
Crimps	10-22 AWG

ORDERING INFORMATION

K-1005-INS Crimping/Cutting Tool

K-63050-INS INSULATED HIGH LEVERAGE CABLE CUTTERS



SPECIFICATION

Length	244.5mm
Weight	0.45kg
	4/0 Aluminium
Max Capacity	2/0 Soft Copper 100 Pair 24 AWG

ORDERING INFORMATION

K-63050-INS High Leverage Cable Cutters

K-1571-INS INSULATED LINEMAN'S SKINNING KNIFE



Insulated knife for skinning wires. Features measuring mark system on back of handle for accurate skinning.

ORDERING INFORMATION

K-1571-INS

Linesman's Skinning Knife

SPECIFICATIONS

Length	222.3mm
Weight	0.16kg

K-11045-INS INSULATED WIRE STRIPPER/CUTTERS



ORDERING	K-11045-INS	K-11049-INS	K-11055-INS
Length	177.8mm	177.8mm	203.2mm
Strips & Cuts	10/12/14/16/18 Solid AWG	8/10/12/14/16 Stranded AWG	10/12/14/16/18 Solid AWG 12/14/16/18/20 Stranded AWG
Weight	4.35kg	4.35kg	5.44kg

K-33532-INS 2 PIECE INSULATED SCREWDRIVER SET



Includes one 1/4" Cabinet-Tip (602-4-INS) and one #2 Phillips-Tip (603-4-INS). Reduces risk with work up to 1000 volts. Durable, two-layer, moulded insulation. Cushion-Grip handles for greater torque and comfort.

INSULATED ROUND SHANK SCREWDRIVERS



Durable, two-layer, moulded insulation to meet or exceed all ASTM and IEC standards for insulated tools, 1000V Rated for safety. Cushion-Grip handle for greater torque and comfort.

ORDERING INFORMATION	Tip	Length	Shank Length	Weight
K-6334-INS	Phillips #1	196.9mm	101.6mm	60g
K-603-4-INS	Phillips #2	211.2mm	101.6mm	91g
K-6037-INS	Phillips #2	287.4mm	177.8mm	113g
K-6337-INS	Phillips #3	314.3mm	177.8mm	181g
K-607-3-INS	Cabinet 2.4mm	171.5mm	76.2mm	54g
K-612-4-INS	Cabinet 3.2mm	196.9mm	101.6mm	60g
K-601-4-INS	Cabinet 4.8mm	196.9mm	101.6mm	60g
K-601-7-INS	Cabinet 4.8mm	273.1mm	177.8mm	77g
K-602-4-INS	Cabinet 6.4mm	211.2mm	101.6mm	91g
K-605-7-INS	Cabinet 6.4mm	287.4mm	177.8mm	113g
K-602-7-INS	Cabinet 7.9mm	314.3mm	177.8mm	181g
K-602-8-INS	Cabinet 9.5mm	339.7mm	203.2mm	227g
K-661-4-INS	Square #1	211.2mm	101.6mm	91g
K-661-7-INS	Square #1	287.4mm	177.8mm	91g
K-662-4-INS	Square #2	211.2mm	101.6mm	91g
K-662-7-INS	Square #2	287.4mm	177.8mm	91g



K-33528 9 PIECE INSULATED SCREWDRIVER SET



SPECIFICATIONS

Dimensions	279x394x64mm
Weight	2.5kg

CONTENTS - K33528

$\frac{3}{16}$ " Cabinet 4" Screwdriver	$\frac{1}{8}$ " Slotted 4" Screwdriver
$\frac{3}{16}$ " Cabinet 7" Screwdriver	#1 Phillips 4" Screwdriver
$\frac{5}{16}$ " Cabinet 7" Screwdriver	#2 Phillips 4" Screwdriver
$\frac{3}{8}$ " Cabinet 8" Screwdriver	#3 Phillips 7" Screwdriver
$\frac{1}{4}$ " Cabinet 4" Screwdriver	

K-33529 8 PIECE PREMIUM INSULATED TOOL KIT



SPECIFICATION

Length	279mm
Width	394mm
Height	64mm
Weight	3.13kg

CONTENTS - K-33529

$\frac{3}{16}$ " Cabinet 4" Screwdriver	8" Heavy Duty Long Nose Pliers
$\frac{1}{4}$ " Cabinet 4" Screwdriver	9" Heavy Duty Side Cutting Pliers
#2 Phillips 4" Screwdriver	8" Heavy Duty Diagonal Cutters
High Leverage Cable Cutters	Wire Stripper & Cutter

K-33526 8 PIECE BASICS INSULATED TOOL KIT



SPECIFICATION	
Length	279x394x64mm
Weight	3.13kg

CONTENTS - K-33526

$\frac{3}{16}$ " Cabinet 4" Screwdriver	8" Long Nose Pliers
$\frac{1}{4}$ " Cabinet 4" Screwdriver	9" Side Cutting Pliers
#2 Phillips 4" Screwdriver	8" Diagonal Cutters
High Leverage Cable Cutters	Wire Stripper & Cutter

K-33525SC 13 PIECE UTILITY TOOL KIT WITH ROLL CASE



SPECIFICATIONS	
Open Dimensions	622x622mm
Closed Dimensions	622x140mm
Weight	4.45kg

CONTENTS - K33525SC

$\frac{1}{4}$ " Cabinet 4" Screwdriver	#1 Phillips 4" Screwdriver
$\frac{5}{16}$ " Cabinet 7" Screwdriver	#2 Phillips 4" Screwdriver
$\frac{3}{8}$ " Cabinet 8" Screwdriver	#3 Phillips 7" Screwdriver
Linesman's Skinning Knife	9" Heavy Duty Side Cutting Pliers
High Leverage Cable Cutters	8" Long Nose Cutting Pliers
8" Diagonal Cutting Pliers	10" Pump Pliers
8" Heavy Duty Diagonal Cutting Pliers	

K-33525 13 PIECE UTILITY INSULATED TOOL KIT



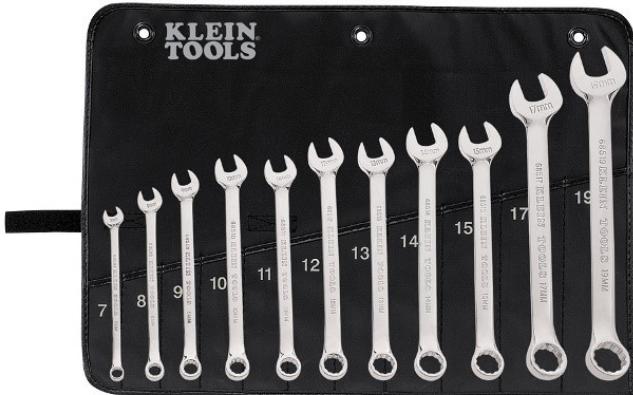
SPECIFICATION	
Length	391mm
Width	480mm
Height	210mm
Weight	9.1kg

CONTENTS - K-33525

- | | |
|------------------------------|---------------------------------------|
| 6.4mm Cabinet 4" Screwdriver | Linesman's Skinning Knife |
| 7.9mm Cabinet 7" Screwdriver | High Leverage Cable Cutters |
| 9.5mm Cabinet 8" Screwdriver | 8" Diagonal Cutting Pliers |
| #1 Phillips 4" Screwdriver | 8" Heavy Duty Diagonal Cutting Pliers |
| #2 Phillips 4" Screwdriver | 9" Heavy Duty Side Cutting Pliers |
| #3 Phillips 7" Screwdriver | 8" Long Nose Cutting Pliers |
| | 10" Pump Pliers |

K-68502 11 PIECE COMBINATION WRENCH SET

Contains: 7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 17mm, and 19mm Combination Wrenches.



SPECIFICATION	
Weight	2.45kg

K-33527 22 PIECE INSULATED ALL PURPOSE TOOL KIT



A comprehensive set of 22 insulated tools including assorted pliers x 8, screwdrivers x 9, 1 each pump pliers, wire stripper/cutter, cable cutter, lineman's skinning knife and a crimping/cutting tool.

The custom case includes 3 sets of custom-fitted pockets for each tool. Piano-hinged cover features a combination lock and key-locked latches for security.

SPECIFICATION	
Length	391mm
Width	480mm
Height	210mm
Weight	11kg

CONTENTS - K-33527

4.8mm Cabinet 4" Screwdriver	Crimping/Cutting Tool
4.8mm Cabinet 7" Screwdriver	Wire Stripper & Cutter
6.4mm Cabinet 4" Screwdriver	Crimping Side Cutting Pliers
7.9mm Cabinet 7" Screwdriver	Lineman's Skinning Knife
9.5mm Cabinet 8" Screwdriver	High Leverage Cable Cutters
3.2mm Slotted 4" Screwdriver	7" Diagonal Cutting Pliers
#1 Phillips 4" Screwdriver	8" Diagonal Cutting Pliers
#2 Phillips 4" Screwdriver	8" Heavy Duty Diagonal Cutting Pliers
#3 Phillips 7" Screwdriver	9" Heavy Duty Side Cutting Pliers
	6" Long Nose Cutting Pliers
	8" Long Nose Side Cutting Pliers
	8" Heavy Duty Long Nose Pliers
	10" Pump Pliers

K-85078 8 PIECE CUSHION GRIP SCREDRIVER SET



General purpose selection of the most frequently used screwdrivers with an ergonomic cushion-grip and precision machined tip for efficient work.

SPECIFICATION

Weight	0.8kg
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ORDERING INFORMATION

K-85078	8 Piece Screwdriver Set
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6.4mm Keystone 211.9mm Screwdriver - Heavy Duty

#1 Phillips 171.5mm Screwdriver

7.9mm Keystone 277.8mm Screwdriver - Heavy Duty

#2 Phillips 87.3mm Screwdriver

4.8mm Cabinet 171.5mm Screwdriver

#2 Phillips 209.6mm Screwdriver

7.9mm Cabinet 87.3mm Screwdriver

#3 Phillips 279.4mm Screwdriver



THE KLEIN STORY

Since 1857, the company operated by Mathias Klein and his descendants to the fifth generation, has grown and developed along with the telecommunications and electrical industries where Klein pliers first found major usages.

Today, Klein Tools, Inc. represents much more than Klein pliers. The company's product line has broadened to include virtually every major type of hand tool used in construction, electronics, mining, and general industry in addition to the electrical and telecommunications fields.

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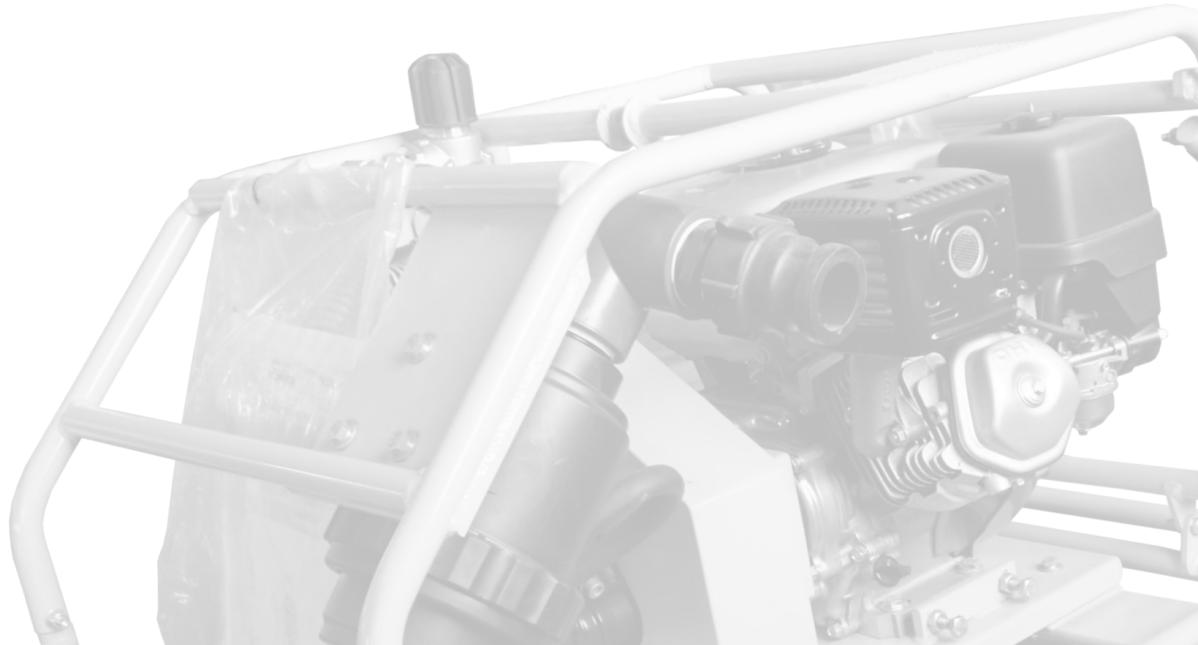
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