



#### SPECIALIST ELECTRICAL TOOLING

- Distributor of 3M, BOWTHORPE, GBZ, CEMBRE, MARTINDALE, PRYSMIAN, ALROC, RAYCHEM, CATU & SHEEN.
- NW / UK / Export Tel 01978 340450
- (Central) Ltd

  Tel 01785 825970
- (Liverpool) Ltd *Tel 0151 9339022*
- (Smith Electrical) Ltd *Tel 0141 6212060*





#### **About Cable Services**

Founded in the early 1970's, Cable Services has been a specialist distributor of Cable and Cable Accessories since its inception. The involvement with the major manufacturers of jointing materials has meant that Cable Services has always been a recognised supplier of the specialised tooling associated with cable jointing and terminating. With this catalogue we are attempting for the first time to bring together under one cover all the essential tools required by the cable jointing community. All the key items featured in this catalogue will normally be available from stock. Where an item is out of stock, Cable Services would expect to deliver within a few days of receipt of an order.

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NOTE: If the item of tooling you are looking for is not included in this catalogue, please tell us - we are always looking for suitable items to add to our range, and can always source tools from alternative suppliers.



One telephone call is all it takes to reserve a crimping tool for collection or despatch to site.

Competitive rates for daily, weekly or extended hire.

# **Tools Available For Hire**

**Manual** Prysmian / Cembre BM120 Type Non Ratchet

10 - 120mm<sup>2</sup>.

**Small** Prysmian / Cembre G10TS Hand Hydraulic

**Hydraulic** Type and FP10 Foot Operated Type.

10 - 400mm<sup>2</sup>.

**Medium** Cembre ECW-H3D up to 630mm<sup>2</sup>.

**Hydraulic** 

**Large** Prysmian / Cembre E22H Type with

**Hydraulic** Foot Pump. Copper Conductors

to 1000mm<sup>2</sup>.

**Hydraulic** Cembre TC120 Type. Maximum

**Cutter** Cutting Diameter 120mm.

**Also Drum Jacks & Cable Rollers** 

Extensive Stocks of Prysmian and Cembre Tooling.

Contact one of our sales offices on the numbers below:

**01978 340450** 

**01785 825970** 

**0151 9339022** 

**0141 6212060** 



# ALROC

# **Screen Scoring Tools**

To strip non-bonded semi conductive screen off medium voltage cable.

Part Number - LHM1R

for diameters 14mm to 40mm

leaves a semi-conductor strip length of 30 or 40mm

LHML1R spare blade for LHM 1R

Part Number - LHM2R

for diameters 38mm to 60mm leaves a semiconductor strip length of 30, 40, 45, 55 or 60mm

LHML2R spare blade for LHM 2R



## **Bonded Screen Removal Tools**

To strip bonded semi conductive screen off medium voltage cable.

Part Number - ASC25-R1 strip length 25mm,

for diameters 14mm to 40mm

leaves a semi-conductor strip length of 25mm

Part Number - ASC40-R1 strip length 40mm,

for diameters 14mm to 40mm

leaves a semi-conductor strip length of 30 or 40mm

Part Number - ASC25-R2 strip length 25mm,

for diameters 38mm to 60mm

Part Number - ASC40-R2 strip length 30mm or 40mm,

for diameters 38mm to 60mm



# **Outer Sheath Stripping Tools**

Part Number - PG1

for diameters 8mm to 21mm

Part Number - PG2

for diameters 21mm to 35mm

Part Number - PG3

for diameters 26mm to 52mm

Part Number - PG4

for diameters 47mm to 75mm



# **Insulating Stripping Tools**

To strip the insulation off medium voltage cable.

Part Number - BRM-RD1

for diameters 14mm to 40mm

Part Number - LH2

for diameters 38mm to 60mm



# GBZ

## **Bonded Screen Removal Tools**

Universal tool for shaving the bonded semiconductor layer of medium voltage cables 10-30 kV+. Working range between 10 and 50mm diameter. At the end of the shaving operation the stop can be made manual by switching off the sliding guide part. Adjustable cutting depth of blade - 0 - 1.2mm (steps of 0.1mm).

Part Number - GB-P20

Spare Blade including screws

Part Number - GB-P20-S6



Dual function tool. This tool strips outer jackets with diameters between 15 and 50mm, and XLPE insulation up to a thickness of 8mm or 10mm. The automatic feed (2 steps) and the 0 position, for a radial cut, quarantees quick and accurate removal of the cable jacket and insulation.

Part Number - GB-M20

Part Number - GB-M20-S5

replacement plastic rollers complete

Part Number - **GB-M20-S8** replacement blades (5pcs)

(10mm thickness of cut)

Part Number - GB-M20-S9

insert to protect the insulation screen

# **Chamfering Tool**

For removing the sharp edge of the insulation after using the insulation stripping tool where the jointing/terminating system requires a tapered finish. Diameters 15mm to 40mm.

Part Number - GB-KG-05-3







# **Tool Set**

Complete cable preparation tool kit consisting of GBM20 sheath stripper and plastic insert, GBP20 bonded screen peeling tool, GB-KG-05-3 universal chamfering tool and a transportation box.

Part Number - GB-PM20



# Extra High Voltage Insulation & Bonded Screen Removal Tool

Part Number - HVIA-STRIPPER-75/150

cable diameters from 75mm to 150mm

Part Number - HVIA-STRIPPER-35/90

cable diameters 35mm to 90mm

#### **Bonded Screen Removal Tool**

For bonded screens on sector shaped conductors.

Part Number - EXRM 0305







# Low Voltage Cable Preparation Tools Sheath Stripping Tool

Cable cutting and stripping tool for diameters up to 8mm.

Part Number - UNI8



# **Sheath Removal Tool**

Part Number - UNI25+

cables 25mm and above

Part Number - UNI29

cables 4.5mm to 29mm

Part Number - UNI40

cables 19mm to 40mm

Part Number - UNIB1

spare blade for UNI29 & UNI40

Part Number - UNIB2

spare blade for UNI25+







# **Electricians Scissors**

Part Number - SC1





# **Cable Cutting Tools**

A range of ratchet operated hand tools for cutting cables up to 75mm diameter.

Part Number - GB-MKS-300

cutting diameter up to 35mm

Part Number - GB-MKS-500

cutting diameter up to 52mm

Part Number - GB-MKS-300S

cutting diameter up to 35mm with needle roller bearings

Part Number - GB-MKS-500S

cutting diameter up to 52mm with needle roller bearings

Part Number - GB-MKS-600S

two handed tool for

cutting diameter up to 62mm

Part Number - GB-MKS-800S

two handed tool for

cutting diameter up to 80mm

Cable cutter for multi-wire telephone/data and instrument cables.

Part Number - GB-MKS-750T

cutting diameter up to 75mm



# **Cable Cutting Tools**

# Hand Operated

Hand operated hydraulic tool specifically designed to cut copper, aluminium-steel cables, steel ropes, copper, aluminium and steel rods. Maximum cutting diameter 24mm.

Part Number - HT-TC-026

Also available as a cutting head for use with a separate pump.

# Hand Operated

Hand operated hydraulic tool for cutting copper, aluminium-steel cables and steel ropes. Its has a two stage hydraulic system to reduce operator time and effort. Maximum cutting diameter 40mm.

Part Number - HT-TC-041

Also available as a cutting head for use with a separate pump.









# **Cable Cutting Tools**

## **Hand Operated**

Hand operated hydraulic tool specifically designed to cut copper & aluminium cables and telephone cables. Maximum cutting diameter 50mm.

Part Number - HT-TC-051

Also available as a cutting head for use with a separate pump.

## **Hand Operated**

Hand operated hydraulic tool specifically designed to cut copper & aluminium cables and telephone cables. It has a two stage hydraulic system to reduce operator time and effort. Maximum cutting diameter 85mm.

Part Number - HT-TC-0851

Also available as a cutting head for use with a separate pump.

## **Hydraulic Cutting Head**

Hydraulic cutting head for use with various pumps (see crimping tool section). Capable of cutting copper, aluminium and telephone cable up to 120mm in diameter.

Part Number - TC-120



# **Miscellaneous Cable Jointing Tools**

**Wooden Handle Cable Knife** 

Part Number - EXRM0607

# **Holding Tool**

Holding tool for mechanical connectors. Avoids damage to conductors during installation of mechanical shear bolt connectors.

Part Number - IT-1000-019

# **Cordless Impact Wrench**

For the installation of Tyco Shear Bolt Mechanical Connectors and Lugs.

Part Number - IT-1000-023















## **Non-Ratchet Handtool**

Non-ratchet single stroke tool with a single adjustable indent die. 10 - 120mm<sup>2</sup>.

Part Number - BM120U



# **Hand Hydraulic Crimping Tool**

Two stage hydraulic tool delivers 11.5 tonnes with quick ram advance. Pre-set overload ensures crimp reliability. Accepts. wide range of interchangeable die sets.

Part Number - G10TS



# **Hydraulic Foot Pump**

Two stage foot operated pump with operating pressure of 700 Bar (10,000 psi). An audible overload valve operates at the end of the crimping cycle.

Part Number - FP10

(pump)

Part Number - FP10-2

(pump, hose, case)

Part Number - FP10-4

(pump, hose, case, GT10 head)



# **Hydraulic Compression Head**

The G shaped head enables easy engagement with the cable and connector. 11.5 tonnes compression force. Accepts a wide range of interchangeable die sets with range 10 - 400mm<sup>2</sup>.

Part Number - G10H



# **Large Compression Head**

The latch top arrangement allows easy access to connector particularly with cable joints. Compressive force of 22 tonnes enables installation of copper and aluminium up to 1000mm<sup>2</sup>.

Part Number - E22





### **Die Sets**

A wide range of hexagon and indent die sets to fit G10 type tools.

## Copper Nest Die

Part Number - **UNX\*\*C** (\*\* denotes conductor size) 10 to 300mm<sup>2</sup>

## **Copper Indentor Dies**

Part Number - UP10-25C

10, 16 and 25mm<sup>2</sup>

Part Number - UP35-50C

35 and 50mm<sup>2</sup>

Part Number - UP70-300C

70, 95, 120, 150, 240 and 300mm<sup>2</sup>

## Copper Hexagonal Die Set

Part Number - **U\*\*CHEX** (\*\* denotes conductor size) 10 to 400mm<sup>2</sup>

Recommendations for aluminium connectors available upon request.

## **Die Sets**

Nest and indent dies for the E22 head.

## **Copper Nest Dies**

Part Number - **EDNX\*\*\*C** (\*\*\* denotes conductor size)

150 to 630mm<sup>2</sup>

Part Number - EDN\*\*\*C (\*\*\* denotes conductor size)

800 and 1000mm<sup>2</sup>

## **Copper Indentor Dies** (Requires Adaptor)

Part Number - EDP150-185C

150 and 185mm<sup>2</sup>

Part Number - EDP240-500C

240, 300, 400 and 500mm<sup>2</sup>

Part Number - EDP630C

630mm<sup>2</sup>

Part Number - EDP800-1000C

800 and 1000mm<sup>2</sup>

# Adaptor To Hold Indentor Inside Head

Part Number - ED22AD1

150 to 500mm<sup>2</sup>

Part Number - ED22AD2

630, 800 and 1000mm<sup>2</sup>





# **Crimping Tools**

#### Ratchet Handtool

Ratchet handtool for end sleeves 25, 35 and 50mm<sup>2</sup>.

Part Number - HNKE50



#### Ratchet Tool

Ratchet tool for pre-insulated connectors.

Part Number - HP1

0.2 to 2.5mm<sup>2</sup>

Part Number - HP3

2.5 to 6mm<sup>2</sup>



#### Ratchet Tool

Ratchet tool for end sleeves (boot lace ferrules).

Part Number - ND4

0.5 to 4mm<sup>2</sup>

Part Number - ND3

6 to 16mm<sup>2</sup>

Part Number - ND2

1 to 6mm<sup>2</sup>

Part Number - ND1

0.3 to 1.5mm<sup>2</sup>



#### Ratchet Tool

Ratchet tool for un-insulated copper tube terminals.

Part Number - HN1

0.25 to 10mm<sup>2</sup>

Part Number - HN5

10 to 16mm<sup>2</sup>



# Non-Ratchet Single Stroke Tool

Non-ratchet single stroke tool with adjustable indent die for non-insulated copper tube terminals.

Part Number - TN70SE

6 to 70mm<sup>2</sup>

Part Number - TN120SE

10 to 120mm<sup>2</sup>





# **Battery Operated Hydraulic Crimping Tools**

## **Battery Hydraulic Crimping Tool**

Self contained hand tool. Lightweight and balanced for single handed use, 50KN crimping force. Accepts dies from CEMBRE 50KN die set range. 10 to 240mm<sup>2</sup>.

Part Number - **B51** 



## **Battery Hydraulic Crimping Tool**

Self contained hand tool. Lightweight and balanced for single handed use, 130KN crimping force. Accepts all semi-circular slotted dies common to most 130KN tools.

Part Number - B131-C





# (() Cembre

# **Hand Hydraulic Crimping Tools**

# **Compact Hand Hydraulic**

Lightweight, compact hand hydraulic crimper. Pre-set overload when maximum pressure is reached. Accepts CEMBRE 50KN dies. 10 t 240mm<sup>2</sup>.

Part Number - HT51



# **Hand Hydraulic**

Hand hydraulic crimping tool. Two stage action consisting of fast advance of ram to engage connector then slower high pressure stage to complete the process. Accepts standard slotted semi circular dies.

Part Number - HT120





# **Crimping Tools**

## **Hydraulic Foot Pump**

Two speed foot operated pump developing a maximum pressure of 700 Bar (10,000 psi). Supplied with standard 3m hose complete with female self-lock quick coupler.

Part Number - PO7000



## **Electric Pump**

Portable electro-hydraulic pump, operating at 24V dc by battery for independent use, developing 700 Bar pressure. Supplied with 3m flexible hose complete with male + female self-lock quick couplers, remote control, external battery charger, canvas holdall for carrying accessories.

Part Number - B70M-P24



## **Hydraulic Compression Head**

Standard G-shaped head complete with quick automatic coupler for connection to hydraulic pump. Accepts standard interchangeable die sets.

Part Number - RHC131



#### Wide Jaw G Tool

Wide jaw G tool, particularly suitable for cable jointing applications on large cables. Complete with quick automatic coupler for connection to hydraulic pump. Accepts standard interchangeable die sets.

Part Number - RHC131L







## **Die Sets**

## Hexagonal Die Sets

A range of hexagon die sets for use with CEMBRE 5KN tools (HT50 and B50).

Part Number - **ME2-50** - 10mm²
Part Number - **ME3-50** - 16mm²
Part Number - **ME5-50** - 25mm²
Part Number - **ME7-50** - 35mm²
Part Number - **ME10-50** - 50mm²
Part Number - **ME14-50** - 70mm²
Part Number - **ME19-50** - 95mm²
Part Number - **ME24-50** - 120mm²
Part Number - **ME30-50** - 150mm²

conductors, please contact our sales office.



# Hexagonal Die Sets

A range of semi-circular grooved dies to fit HT120 crimping heads.

Part Number - ME2-C - 10mm<sup>2</sup> Part Number - ME3-C - 16mm<sup>2</sup> Part Number - ME5-C - 25mm<sup>2</sup> Part Number - ME7-C - 35mm<sup>2</sup> Part Number - ME10-C - 50mm<sup>2</sup> Part Number - ME14-C - 70mm<sup>2</sup> Part Number - ME19-C - 95mm<sup>2</sup> Part Number - ME24-C - 120mm<sup>2</sup> Part Number - ME30-C - 150mm<sup>2</sup> Part Number - ME37-C - 185mm<sup>2</sup> Part Number - ME48-C - 240mm<sup>2</sup> Part Number - ME60-C - 300mm<sup>2</sup> Part Number - ME80-C - 400mm<sup>2</sup>





# ( Cembre

## **Die Sets**

## **Copper Nests & Indentor Die**

Part Number - MA2-C - 10mm<sup>2</sup>
Part Number - MA3-C - 16mm<sup>2</sup>
Part Number - MA5-C - 25mm<sup>2</sup>
Part Number - MA7-C - 35mm<sup>2</sup>
Part Number - MA10-C - 50mm<sup>2</sup>

Part Number - **MA14-C** - 70mm<sup>2</sup> Part Number - **MA19-C** - 95mm<sup>2</sup>

Part Number - MA24-C - 120mm<sup>2</sup>
Part Number - MA30-C - 150mm<sup>2</sup>
Part Number - MA37-C - 185mm<sup>2</sup>

Part Number - MA48-C - 240mm<sup>2</sup>

Part Number - MA60-C - 300mm<sup>2</sup>



# Copper Indentor Die

Part Number - **PA10-C** - 10, 16, 25, 35 and 50mm<sup>2</sup>

Part Number - **PA24-C** - 70, 95 and 120mm<sup>2</sup> Part Number - **PA48-C** - 150, 185 and 240mm<sup>2</sup>

Part Number - **PA60-C** - 300mm<sup>2</sup>

For information on selecting die sets for flexible and aluminium conductors, please contact our sales office.

# **Crimping Gauges for Hydraulic Tools**

MPC 2 device complete with test die set to measure the maximum force developed by Cembre Tools reference: HT131C, HT131L-C, HT120, RHC131, B131-C, B131C-L.

Part Number - MPC 2

MPC 3 device complete with test die set to measure the maximum force developed by Cembre Tools reference: HT43, HT51, RH50, RHM50, HT61, RH61, B46, B51, B62.

Part Number - MPC 3



# **Tyco Electronics Bowthorpe EMP**

# **Operating Poles**

Bowthorpe operating poles are manufactured from high quality glass reinforced epoxy resin, suitably assembled and finished to comply with relevant design requirements. The present range reflects more than 30 years experience of supplying the World's Power Authorities.

The standard range falls into three groups:

## **Standard Series**

Normally supplied in 1.2m lengths (0.69m lengths available to order). 40mm diameter, fitted with copper alloy interlocking clips where appropriate. Foam filled versions available (suffix FF).

#### **Bottom Section**

Bottom section complete with rain shield.

Part Number - P4B

Intermediate section.

Part Number - P41



Top section with rivited termination.

Part Number - P4TR

## **Top Section**

Top section with concealed joint termination.

Part Number - P4TCJ

## **Top Section**

Top section with spring clip termination.

Part Number - P4TS

# Top Section Adaptor

Top section adaptor to convert intermediate section to top section spring clip termination specification.

Part Number - PI/PTS













# **Operating Poles**

#### **GR Series**

Specially developed for tower and sub-station applications. Fully tested and approved to ESI standard 41-21 (draft). Supplied with non-slip hand grip and stainless steel interlocking clips where appropriate. Available with rivited and concealed joint top section terminations.

# Type II Rivited Termination

Two sections each 1.2m long x 40mm diameter retained together with chain, with rivited top section termination.

Part Number - GR2R



# Type II Concealed Joint Termination

Two sections each 1.2m long x 40mm diameter retained together with chain, with concealed joint top section termination.

Part Number - GR2CJ



## Type III

Sections each 1.2m long x 40mm diameter. Suitable for fitting into bottom of Type I and Type II to extend length.

Part Number - GR3



# **Tyco Electronics Bowthorpe EMP**

# **Operating Sockets**

# Ring Type

Operating socket for ring type clamps, suitable for rivited top section poles (for use with clamps 420R, 204R, S9BR).

Part Number - PHS4S (Window)



## **Pole Heads**

Pole heads for use with spring clip top section poles (P4TS and Adaptor PI/PTS).

## For Bowthorpe Earth Clamps

Part Number - PHO31

# Temporary Earthing Hook

Part Number - PHTEH

## **Universal Adaptor**

Part Number - PHUA

# Splash Plate

Part Number - PHSP

## For Universal Fuse Cut-Outs

Part Number - PH437

#### For J&P Fuse Cut-Outs

Part Number - PH380

#### For LEL Fuse Cut-Outs

Part Number - PH458







# **Tyco Electronics Bowthorpe EMP**

# **Tree Pruning Applications**

#### **Poles**

Heavy duty section where additional rigidity is required. 1.3m long x 49mm diameter fitted with stainless steel interlocking clip.

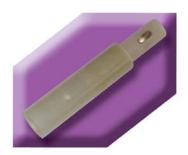
Part Number - HP41

## Pole Adaptor

Adaptor to enable standard series intermediate and top section poles to be connected to the HP4I section.

Part Number - HP/PI

NOTE: To fit the tree pruner and pruning saw to the HP41 section, an adaptor HP/PI and a standard range top section (P4TS) or top section adaptor (PI/PTS) are required.



#### Tree Pruner

Part Number - PH712C



# **Pruning Saw Complete With Sheath**

Part Number - PH440S







## **Gas Torches & Accessories**

The Tyco FH1630 torch assembly for installation of heat shrink accessories offers maximum burning efficiency and best balance of surface pre-heat.

## Torch Handle

Torch handle with shut off valve for use with a FH1630-S nozzles, PIE regulators and hoses.

Nozzle connection thread R<sup>3</sup>/8" right. Hose connection thread R<sup>3</sup>/8" left.

Part Number - FH-1630-S-HNZ



#### Torch Handle

Torch handle with holder and shut off valve and pilot/full flame lever for all FH1630-S nozzles, PIE regulators and hoses. Nozzle connection thread R³/8" right. Hose connection thread R³/8" left.

Part Number - FH-1630-S-HSZ



#### Nozzles

Nozzles for FH-1630-S handles.

Part Number - FH-1630-S-BN28

28mm diameter

Part Number - FH-1630-S-BN38

38mm diameter

Part Number - FH-1630-S-BN50

50mm diameter

Part Number - FH-1630-S-PN17

17mm diameter



#### Torch Kit

Red enamel steel box containing BN28, BN38 and PN17 nozzles, torch handle HSZ, constant pressure regulator R1, automatic cut off valve CV and 5m high pressure hose.

Part Number - FH-1630-S-MC10



# Simple Torch Assembly

Simple torch assembly consisting of nozzle BN38, torch handle HSZ and 5m hose SW5.

Part Number - FH-1630-S-TS1



# **Tyco Electronics**

#### Torch Handle

Torch handle with piezo automatic ignition. Gas flow when trigger pressed only.

Nozzle connection bayonet socket. Hose connection thread R<sup>3</sup>/8" left.

Part Number - FH-1630-PIE



#### Nozzles

Nozzles for Piezo handles.

Part Number - FH-1630-PIE-BN28

28mm diameter

Part Number - FH-1630-PIE-BN38

38mm diameter

Part Number - FH-1630-PIE-BN50

50mm diameter

Part Number - FH-1630-PIE-PN18

18mm diameter



## **Constant Pressure Regulator**

Constant pressure regulator for all FH-1630 hoses. Suitable for propane gas bottles from 5kg to 11kg. 2 bar constant gas pressure.

Part Number - FH-1630-PIE-R1

Gas bottle connection W21.8 x 1/4" LH DIN/COMBI

Part Number - FH-1630-PIE-R2

Gas bottle connection W20 x 1/4" LH POL

Part Number - FH-1630-PIE-R3

Gas bottle connection W20 x 1/4" LH SHELL



# High Pressure Hoses

High pressure hoses for all FH-1630 handles. Fitted with screw connections for FH1630 constant pressure regulator and handles.

Part Number - FH-1630-PIE-SW4

4m long

Part Number - FH-1630-PIE-SW5

5m long

Part Number - FH-1630-PIE-SW10

10m long



# **Tyco Electronics**

#### **Automatic Cut Off Valve**

Automatic cut off valve. Fitted between the hose and the constant pressure regulator - cuts off the gas supply in the event of damage to the hose or handle.

Part Number - FH-1630-PIE-CV



## Safety Valve

Safety Valve - combining the constant pressure regulator (FH-1630-PIE-R1) and the automatic cut off valve.

Part Number - FH-1630-PIE-LGS



#### Torch Holder

Torch holder - snap fitted on the gas bottle providing a convenient parking place for the gas torch in on site conditions.

Part Number - FH-1630-TH229

Nominal bottle diameter - 229mm

Part Number - FH-1630-TH300

Nominal bottle diameter - 300mm







# **Cable Spiking Kit**

The Bowthorpe cable spiking kit is designed to prove a selected cable is dead before site work begins. The kit consists of a hand operated hydraulic pump connected to the spiker head by a 6m long fully insulated hose (longer lengths can be supplied). All parts are supplied in a stout wooden case. Cables up to 102mm in diameter can be pierced by the diamond shaped chisel.



#### Part Number - BOW-F-CSTE

WARNING: An independent earth lead MUST be fitted to the cable spiker body before the equipment is used. Failure to do so could have serious consequences for the operator in the event of a live cable being pierced.



# Lucy 'T' Key

Lucy 'T' key for pillar shell doors

Part Number - T-KEY



Lucy triangular headed pillar steel door key

Part Number - TRI-KEY



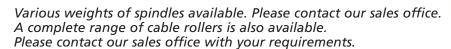
# **Cable Drum Jacks & Spindles**

Screw type fabricated steel.

Part Number - **J3CS** 3 Tonne

Part Number - J6CS 6 Tonne

Part Number - J8CS 8 Tonne



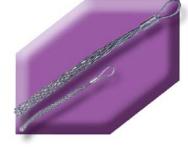


# **Cable Pulling Stockings**

High tensile galvanised steel stockings.

Part Number Overall Length Cable Diameter

CS 11*	305mm	6 - 13mm	
CS 12*	430mm	13 - 19mm	
CS 13*	510mm	19 - 25mm	
CS 14*	610mm	25 - 38mm	
CS 15*	735mm	38 - 50mm	
CS 16*	865mm	50 - 63mm	
CS 17*	990mm	63 - 89mm	
CS 18*	990mm	89 - 115mm	



Also available in stainless steel or kevlar

\*Suffix - S = Single Eye D = Double Eye L = Lace Up



## Martindale Test Equipment

WARNING: Test equipment is designed for use only by competent persons with appropriate qualifications and experience.

## 110V CT Industrial Plug

Invaluable for checking sockets in factory or on site installations. Design for use on 110V centre tapped circuits.

Part Number - CP301

#### **Specification**

Operating Voltage: 110V AC (55-0-55V centre tapped only)

Operating Current: 30mA

Weight: 180g

Overvoltage Category: 2 110V



## **Professional Check Plug**

The professional Buzz It check plug has an IEC socket with an interchangeable 3 pin adaptor and TL 88 3 way fused lead with croc clips allowing testing at light fittings, distribution boards and terminals.

Part Number - BZ600

#### **Specification**

| Main Supply: 200 - 250V (30-70Hz)

| Power Consumption: <1.5W

Temperature Range: -10°C to 40°C at 60%RH (max)

Earth Leakage: <5mA

**Dimensions:** 65 x 65 x 47mm

Housing: Flame retardant ABS

| **Supplied with:** EX-332 13A mains | lead and TL88 3 way fused leads



# Classic Check Plug

Classic check plug is a fast and easy way to ensure that 13A sockets are wired correctly.

Part Number - CP501

#### Specification

| Main Supply: 200 - 250V (30-70Hz)

| Power Consumption: <1.2W

Temperature Range: -10°C to 40°C

at 60%RH (max)

Earth Leakage: <5mA

Dimensions: 65 x 65 x 47mm

| Housing: Flame retardant ABS



#### **Thermometer**

Dual input digital thermometer with temperature difference capability. It is able to measure input / output temperatures through boilers, radiators etc. Hold and maximum buttons allow the current valve to be frozen or the maximum reading to be stored.

Part Number - **DT75** 

#### Specification

Display: 31/2 digit LCD

Measurement: -50°C to 1300°C

or -58 to 2000°F

**Resolution:** 1°C or 1°F switchable to 0.1°C or 0.1°F

**Input connector:** *Twin standard, miniature flat thermocouple connector inputs* 

Dimensions: 147 x 70 x 39mm

Weight: 215g

**Includes:** 2 K-type bead thermocouples, protective holster, battery and user manual.



## Non Trip Earth Loop Impedance Indicator

No trip earth loop impedance indicator gives safe earth loop impedance checking within carefully selected bands without tripping the RCDs.

Part Number - EZ150

Like all other indicators this unit cannot detect common earth and neutral or earth neutral reverse.

#### Specification

| Nominal Supply: 230V 50Hz

Earth loop impedance span:  $0 to 1.7\Omega$ ,  $1.7 to 5\Omega$ ,  $5-10\Omega$ ,  $10 to 100\Omega$ ,  $100 to 200\Omega$ ,  $200 to 500\Omega$ 

Earth loop threshold accuracy:  $\pm (10\% + 0.3\Omega)$ 

| Voltage low indication: <195V

| Voltage high indication: <270V

| Open earth indication >500 $\Omega$ 

Dimensions: 65 x 65 x 50mm

| Power Consumption: <1.6W

Over voltage: Cat II / 300V

Pollution degree: 2



#### Professional Version of EZ150

Professional version of EX150 with IEC socket and interchangeable 3 pin adaptor and fused leads allowing for testing at light fittings, distribution boards and terminals.

Part Number - EZ650

#### **Specification**

As Above

Spec for TL88 leads:

3 wire, two probes with removable croc clips and 1 fixed crocodile clip, supplied with X (IEC) connector - 10A fused.



## Non Trip Earth Loop Impedance Tester

Non trip earth loop impedance tester, carries out loop impedance checks from any 13A socket without using probes, operating switches or pressing buttons. Simply plug in.

Part Number - EZ2100

#### Specification

Operation Voltage: 230V 50Hz

Non trip Earth loop impedance range:  $0.1 to 8.99\Omega$  ( $0.01\Omega$  res.),  $9 to 89.9\Omega$  ( $0.1\Omega$  res.),  $90 to 2k\Omega$  ( $1\Omega$  res.)

Earth loop accuracy:  $\pm (3\% + 0.1\Omega + 2 \text{ digits})$ 

Voltage indication: low <195V, high >270V

EN threshold: 30W

Weight: 230g

Open earth indication: 2k to 70k  $>2k\Omega$  >70k "open earth" (current less than 3.5mA)

Power Consumption:

Typical 4.5mA, max 7mA, <2VA

Over voltage: Cat II / 300V

Pollution degree: 2

Dimensions: 140 x 80 x 55mm

Supplied with: 13A plug top test lead and carry case. No batteries required.



#### Insulation Tester

Economy 16th edition tester. With automatic zero adjust feature to remove the resistance of the leads, fast accurate continuity testing at 200mA.

Part Number - IN2001

#### Specification

| Insulation:  $10k\Omega$  to  $100M\Omega$  at 500V

Continuity: 0to $200\Omega$ ,  $0.01\Omega$  resolution (audible tone <1 $\Omega$ )

Voltage range: 500V AC

| Complies with: BS EN 61557

and 16th edition

| Dimensions: 190 x 90 x 54mm

Includes: quality soft protective carry case, test lead, battery & user manual.





#### Insulation Tester

Insulation and continuity tester gives 250, 500 and 1000V tests. Automatic zero adjust feature to remove the resistance of the leads, the three test voltages enables the widest range of testing.

Part Number - IN2003

#### Specification

Insulation:  $10k\Omega$  to  $50M\Omega$  at 250V,  $10k\Omega$  to  $100M\Omega$  at 500V,  $10k\Omega$  to  $200M\Omega$  at 1000V

Continuity: 0to $200\Omega$ ,  $0.01\Omega$  resolution (audible tone  $<1\Omega$ )

Voltage range: 500V AC

Complies with: BS EN 61557 and 16th edition

Dimensions: 190 x 90 x 54mm

Includes: quality soft protective carry case, test lead, battery & user manual.



#### Insulation Tester

With clear 4000 count, backlit digital display with analogue bargraph. Comes complete with test leads, auto zero, auto hold and battery condition indicator. Output test voltage automatically displayed during testing. 250, 500 and 1000V test, user setable limits with pass/fail indication.

Part Number - IN2103

#### **Specification**

**Insulation:**  $200k\Omega$  to  $2,000M\Omega$  at 250, 500 or 1000V in 4 ranges, with automatic discharge

Continuity: 0.01to $40\Omega$ ,  $0.01\Omega$  resolution at 200mA DC (buzz  $<1\Omega$ )

Resistance:

 $0.1\Omega$  to2,000 M $\Omega$  (buzz <1 $\Omega$ )

Voltage range: 600V AC/DC, warning for voltage presence.

Complies with: BS EN 61557 and BS 7671:2001 (16th edition)

Over voltage: 300V Category III

**Dimensions:** 190 x 190 x 54mm

**Includes:** batteries, test leads, instructions and carry case.



#### **RCD Tester**

For fast and easy to use testing of all common RCDs rated up to 500mA.

Part Number - RC2000

#### **Specification**

RCD rating (I∆N): 6mA, 10mA, 30mA, 100mA, 300mA and 500mA

Half trip setting ( $^{1}/_{2}$ xI $_{\Delta}$ N): 3mA, 5mA, 15mA, 50mA, 150mA and 250mA

Fast trip setting: 150mA (for  $I\Delta N=6$ , 10 and 30mA only)

Test polarity: 0° and 180°

**Timing range:** 0 - 1999mSec (resolution of 1mSec)

Timing accuracy:

±2% of reading ±1 digit

**Dimensions:** 190 x 90 x 54mm

**Includes:** quality soft protective carry case, mains test lead & user manual.



#### **Loop Tester**

A fast accurate auto ranging 16th Edition earth loop impedance tester. It can carry out phase earth and phase neutral testing and it automatically displays prospective short circuit current readings.

Part Number - LP2000

#### Specification

Phase earth loop: (auto ranging) 0to  $15\Omega$ , resolution  $0.01\Omega$ , 15to  $199.9\Omega$ , resolution  $0.1\Omega$ 

**Prospective short circuit current:** 9A to 19.99kA, resolution 10A

**Dimensions:** 190 x 90 x 59mm

Includes: quality soft protective carry case, mains test lead, green wander lead & user manual.



## **General Purpose Multimeter**

11 functions including 10amp range, basic accuracy of 0.8% suitable for most applications. The meter has ceramic fuse protection and a wrong connection bleep to prevent misuse. It has audible continuity check and also measures capacitance and frequency

Part Number - MM44

#### **Specification**

**AC V**: 100mV to 600V (5 ranges) (50Hz to 500Hz)

AC A: 10μA to 10A (3 ranges) (50Hz to 500Hz)

| DC V: 100μV to 600V (5 ranges)

DC A: 10μA to 10A (3 ranges)

| Ohms:  $100m\Omega$  to  $2000M\Omega$  (7 ranges)

| Continuity: Buzz at <100Ω

Frequency: 1Hz to 15MHz (5 ranges, auto ranging)

| Capacitance: 1pF to 20µF (5 ranges)

Logic test:  $Hi 2.8V \pm 0.8V$ Lo  $0.8V \pm 0.5V$ 

Diode and transistor test

Battery test: 1.5V, 9V

Overvoltage: 600V, Cat 3

Dimensions: 147 x 70 x 39mm

Supplied with: protective holster, test leads, installed battery, spare fuse and user manual.



#### **Electricians Multimeter**

Electrician multimeter with phase rotation and temperature measurement. Designed to meet the needs of the professional electrician by including audible continuity, phase rotation, frequency and temperature as well as the basic electrical functions.

Part Number - MM47

#### **Specification**

3<sup>1</sup>/<sub>2</sub> digit LCD display with automatic polarity and zero.

AC V: 10μV to 600V (3 ranges) (1mV)

Capacitance: 0.01µF to 2mF

(4 ranges)

DC V: 100μV to 600V (4 ranges)

Temperature: -20 to 750°C -4 to 1400°F (K-type probes)

| Ohms:  $100m\Omega$  to  $2000M\Omega$  (7 ranges)

Phase rotation indicator: 80 to 480V, 45 to 450Hz

Diode test

Frequency: 10Hz to 40kHz autoranging 1Hz resolution

Overvoltage: 600V, Cat 3

Dimensions: 147 x 70 x 39mm

Supplied with: test leads, battery, K-type probe, user manual and rubberised protective holster.





#### Fuse Finder

The Elite professional fuse finder brings microprocessor controlled multi level sensitivity to fuse and breaker identification. Capable of operating from either 13A plug top lead for sockets or TL83 lead for light fittings or other points in a circuit.

Part Number - FD650

# **Specification Transmitter**

| Voltage range: 230V

Frequency range: 50 - 60Hz

| Switching frequency: Approx. 5Hz

Transmission pulse width:

Approx. 1.7μS

| Transmission pulse amplitude: 20A max

Dimensions: Approx 65 x 65 x 46mm

| Weight: 65g

| Earth leakage: Nil

Power supply: From mains

| Overvoltage: Cat III / 300V

Pollution degree: 2

Protection class: IP20

#### Receiver

Trace depth for fuse assignment: Approx. 0 - 10cm, depending on local conditions

Dimensions: 202 x 32 x 22mm

Weight: 150g (excl. battery)

Protection class: IP20

Power supply: 9V battery, MN1604/PP3, IEC 6LA61 (alkaline only) - not included.

Units are EMC compliant



## 1000A AC Clamp Meter

For general purpose use with large jaw size, voltage and resistance ranges. The ideal basic clamp for AC current use with the functions of a standard multimeter.

Part Number - CM54

#### **Specification**

3<sup>1</sup>/<sub>2</sub> digit LCD display with large 21mm digits

AC V: 1V to 750V (50Hz to 500Hz)

AC A: 100mA to 1000A (2 ranges) (50 / 60Hz)

DC V: 1V to 1000V

| Ohms:  $100m\Omega$  to  $2000M\Omega$  (4 ranges)

Continuity: Buzz at <75Ω

Max conductor: 57mmø or

70 x 18mm bar

**Dimensions:** 277 x 102 x 49mm

Weight: 540g

**Includes:** test leads, soft carry case and user manual.







#### Catu Isomil Insulated Tools

A complete range of insulated tools for live working up to 1000V according to IEC 60900 standard. Individually tested to 10,000 volts.

Imperial sizes of sockets and spanners also available.

## Flat Bladed Screwdrivers

Chrome-molybdenum vanadium steel blade.

Part Number - MO-65203 - Blade 3x100mm

Part Number - MO-65204 - Blade 3.5x100mm

Part Number - MO-65205 - Blade 4x100mm

Part Number - MO-65206 - Blade 5.5x125mm

Part Number - MO-65207 - Blade 6.5x150mm

Part Number - MO-65209 - Blade 8x175mm

Part Number - MO-65211 - Blade 10x200mm



Chrome-molybdenum vanadium steel blade.

Part Number - MO-65240 - No.O Head 3x60mm

Part Number - MO-65242 - No.1 Head 4.5x80mm

Part Number - MO-65244 - No.2 Head 6x100mm

Part Number - MO-65246 - No.3 Head 8x150mm

Part Number - MO-65248 - No.4 Head 10x200mm

# **Phillips Screwdrivers**

Chrome-molybdenum vanadium steel blade.

Part Number - MO-65230 - No.O Head 3x60mm

Part Number - MO-65232 - No.1 Head 4.5x80mm

Part Number - MO-65234 - No.2 Head 6x100mm

Part Number - MO-65266 - No.3 Head 8x150mm

The full range of CATU Electrical Safety Equipment is also available. Contact our sales office for information.









## **Universal Pliers**

Special tool steel, oil hardened, burnished head.

Part Number - MO-66001 - Overall Length 160mm
Part Number - MO-66002 - Overall Length 180mm
Part Number - MO-66003 - Overall Length 200mm
Part Number - MO-66005 - Overall Length 250mm



## **Flat Nosed Pliers**

Special tool steel, oil hardened, burnished head.

Part Number - MO-66300 - Overall Length 145mm Part Number - MO-66302 - Overall Length 160mm



## **Round Nosed Pliers**

Special tool steel, oil hardened, burnished head.

Part Number - MO-66202 - Overall Length 160mm



# **Bent Snipe Nosed Pliers**

Chrome-vanadium steel, burnished head.

Part Number - **MO-66402** - Overall Length 160mm Part Number - **MO-66404** - Overall Length 200mm



# **Long Nosed Pliers with Side Cutter**

Special tool steel, oil hardened, burnished head.

Part Number - MO-66102 - Overall Length 160mm



# **Water Pump Pliers**

Chrome-vanadium steel, burnished head.

Standard

Part Number - MO-66502 - Overall Length 250mm

Box Joint

Part Number - MO-66505 - Overall Length 250mm



## **Side Cutters**

Special carbon steel, oil hardened, burnished head.

Part Number	Overall Length	Cutting Capacity (mm) (soft 80kg/mm²) (hard 140kg/mm²)	
MO-67101	140mm	Diam 2	Diam 1
MO-67102	160mm	Diam 2.5	Diam 1.5
MO-67103	180mm	Diam 3	Diam 2.5



# **End Cutters**

Special carbon steel, oil hardened, burnished head.

Part Number	Overall Length	Cutting Cap (soft 80kg/mm²)	pacity (mm) (hard 140kg/mm²)
MO-67401	140mm	Diam 2	Diam 1
MO-67402	160mm	Diam 3	Diam 2
MO-67404	180mm	Diam 4	Diam 3



# **Cable Cutters**

Chrome-vanadium forged steel, oil hardened.

Part Number	Overall Length	Cutting Capacity
MO-67500	170mm	4mm Diam
MO-67501	170mm	15mm Diam
MO-67502	230mm	20mm Diam



## **Ratchet Cable Cutters**

Copper and aluminium cable only. Treated forge steel blade.

Part Number	Cutting Capacity
MO-67599	32mm² / 180mm² CU / 250mm² Alum
MO-67600	38mm² / 240mm² CU / 300mm² Alum
MO-67601	55mm² / 300mm² CU / 450mm² Alum
MO-67611	24mm² / 150mm² CU / 180mm² Alum



# **Hacksaw**

Protected hard forge steel. two blade positions, flush and 90° cutting options. Supplied with 2 blades.

Part Number - MO-64502 - Overall Length 450mm





# **Adjustable Spanner**

Special tooled steel, oil hardened.

Part Number	Overall Length	Maximum Capacity
MO-69002	210mm	24mm
MO-69003	250mm	28mm
MO-69004	310mm	34mm
MO-69005	385mm	43mm



# **Reversible Hexagonal Ratchet Spanner**

Special tool steel, oil hardened.

Part Number - MO-69210 - Size 10mm
Part Number - MO-69213 - Size 13mm
Part Number - MO-69216 - Size 16mm
Part Number - MO-69217 - Size 17mm
Part Number - MO-69218 - Size 18mm
Part Number - MO-69219 - Size 19mm



## **Combination Wrench**

Special steel sockets.

Part Number - MO-68702

4 Hexagonal Sockets 8 / 10 / 12 / 14mm

Part Number - MO-68703

4 Hexagonal Sockets 7 / 9 / 11 / 13mm

Part Number - MO-68704

4 Hexagonal Sockets 8 / 10 / 13 / 17mm



# **Right Angle Hexagonal Key Wrench**

Chrome vanadium steel.

Part Number - **MO-69903** 

Hexagonal Head - 3mm / 83x123mm

Part Number - MO-69904

Hexagonal Head - 4mm / 84x124mm

Part Number - **MO-69905** 

Hexagonal Head - 5mm / 84x126mm

Part Number - MO-69906

Hexagonal Head - 6mm / 85x126mm

Part Number - MO-69908

Hexagonal Head - 8mm / 87x128mm

Part Number - MO-69910

Hexagonal Head - 10mm / 87x130mm

Part Number - MO-69912

Hexagonal Head - 12mm / 90x132mm



# **Open Ended Spanners**

Chrome vanadium steel.

Part Number	Size
MO-68008	8mm
MO-68009	9mm
MO-68010	10mm
MO-68011	11mm
MO-68012	12mm
MO-68013	13mm
MO-68014	14mm
MO-68015	15mm
MO-68016	16mm
MO-68017	17mm
MO-68018	18mm
MO-68019	19mm

Part Number	Size
MO-68020	20mm
MO-68021	21mm
MO-68022	22mm
MO-68023	23mm
MO-68024	24mm
MO-68025	25mm
MO-68026	26mm
MO-68027	27mm
MO-68028	28mm
MO-68029	29mm
MO-68030	30mm
MO-68032	32mm



# **Cranked Ring Spanners**

Chrome vanadium steel.

Part Number	Size
MO-68107	7mm
MO-68108	8mm
MO-68109	9mm
MO-68110	10mm
MO-68111	11mm
MO-68112	12mm
MO-68113	13mm
MO-68114	14mm
MO-68115	15mm
MO-68116	16mm
MO-68117	17mm
MO-68118	18mm
MO-68119	19mm

Part Number	Size
MO-68120	20mm
MO-68121	21mm
MO-68122	22mm
MO-68123	23mm
MO-68124	24mm
MO-68125	25mm
MO-68126	26mm
MO-68127	27mm
MO-68128	28mm
MO-68129	29mm
MO-68130	30mm
MO-68132	32mm



# **Hexagonal Spanners with T Handle**

Chrome steel. Length 139mm.

Part Number - **MO-68610** - Size 10mm Part Number - **MO-68613** - Size 13mm Part Number - **MO-68614** - Size 14mm





## **Socket Wrenches**

Chrome steel.

³/ <sub>8</sub> " Drive	
Part Number	Size
MO-69306	6mm
MO-69307	7mm
MO-69308*	8mm
MO-69309	9mm
MO-69310 <sup>*</sup>	10mm
MO-69311	11mm
MO-69312*	12mm
MO-69313 <sup>*</sup>	13mm
MO-69314*	14mm
MO-69315	15mm
MO-69316	16mm
MO-69317*	17mm
MO-69318	18mm
MO-69319 <sup>*</sup>	19mm
MO-69321*	21mm
MO-69322*	22mm
MO-69323*	23mm

l/₂" Drive	
Part Number	Size
MO-69408 <sup>*</sup>	8mm
MO-69410 <sup>*</sup>	10mm
MO-69411	11mm
MO-69412*	12mm
MO-69413 <sup>*</sup>	13mm
MO-69414 <sup>*</sup>	14mm
MO-69415	15mm
MO-69416	16mm
MO-69417	17mm
MO-69418	18mm
MO-69419 <sup>*</sup>	19mm
MO-69420	20mm
MO-69421 <sup>*</sup>	21mm
MO-69422 <sup>*</sup>	22mm
MO-69423 <sup>*</sup>	23mm
MO-69424	24mm
MO-69430	30mm



# **Socket Tools**

3/8" Drive

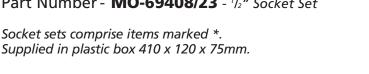
Part Number - MO-69513\* - Reversible Ratchet
Part Number - MO-69523\* - Extension Bar 130mm
Part Number - MO-69533 - Extension Bar 250mm
Part Number - MO-69542 - T-Wrench 130mm
Part Number - MO-69543 - T-Wrench 200mm

1/2" Drive

Part Number - MO-69514\* - Reversible Ratchet
Part Number - MO-69524\* - Extension Bar 125mm
Part Number - MO-69534 - Extension Bar 250mm
Part Number - MO-69544 - T-Wrench 300mm



Part Number - **MO-69308/23** - <sup>3</sup>/<sub>8</sub>" Socket Set Part Number - **MO-69408/23** - <sup>1</sup>/<sub>2</sub>" Socket Set







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