



**MECHANICAL
HANDLING**

GENERAL INFORMATION BROCHURE



LUG-ALL® HEAVY DUTY PORTABLE WINCH HOISTS



Cossall Industrial Estate, Coronation Road, Ilkeston, Derbyshire DE7 5UA



+44 (0)115 932 7010



+44 (0)115 930 6263



sales@metreel.co.uk



www.metreel.co.uk

PARTS BREAKDOWN...



- 1) Self lubricating bearings
- 2) Interlocking pawl system will not slip
- 3) All wire rope stores on drum
- 4) Reversible handle bends on overload to protect user and hoist
- 5) Aluminium alloy frame - anodized on Marine models
- 6) Open construction for daily visual inspection
- 7) Guide allows wire rope to move freely
- 8) Crimped copper sleeve
- 9) Exclusive swaged ball shank terminal
- 10) 7x19 highly flexible aircraft wire rope
- 11) 360° swivelling hook with latches for positive load engagement

INTRODUCTION...

A portable winch-hoist with strong aluminium frame, self storing aircraft steel wire rope, a reversible safety handle and an interlocking pawl system. The LUG-ALL® has been imitated but never surpassed.

INNOVATIVE DESIGN...

- Aluminium alloy frame
- Exclusive drum anchor - swaged ball shank terminal locks wire rope securely in drum and allows for full extension of the steel wire rope. (Other brands use two set screws and 2-3 wraps of wire rope to hold the wire rope onto the drum)
- Wire rope end has hydraulically crimped copper sleeve
- Proprietary reversible handle - always a downward pull, switches positions in seconds
- Self storing aircraft wire rope. No chains are hanging in the way or dragging on the ground. Much lighter than chain pullers
- Optional marine grade models - developed specifically for marine or other corrosive conditions, have anodized castings, stainless steel wire ropes and cadmium plated steel shafts
- Drop forged steel hooks

RELIABLE OPERATION...

- Factory tested to 50% overload of rated capacity
- Reversible handle is designed to bend on severe overload to protect the user and the hoist. Replace the handle NOT the Winch-Hoist
- 6000 Model - the shear pin design on two position telescoping handle warns of overload
- Quick release - will not function when the wire rope is under load
- The handle can be removed to prevent tampering with the hoist or load
- One year guarantee against defects in workmanship and/or materials

RIGGING OPTIONS...



Double Wire Rope Lift



Single Wire Rope Lift



Single Wire Rope Lift

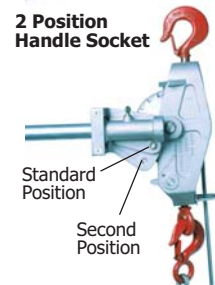


THE RANGE...

MEDIUM FRAME
Model No. 4000-20SH-UK - 1400kg



THE 6000 MODEL FEATURES:
Reversible telescoping handle - provides much better leverage for bigger loads. Permits pulling from a standing position. Expands from 95cm to 145cm in seconds. **Two-position handle socket** - adjusts for additional leverage. Easily replaceable **Shear Pin** in handle assembly - breaks with audible noise to warn of serious overload.



SMALL FRAME
Model No. 1000-15SH-UK - 380kg
Model No. 3000-10SH-UK - 1000kg

LARGE FRAME
Model No. 6000-15SH-UK - 2000kg

Model	DOUBLE WIRE LIFT				SINGLE WIRE LIFT				Diameter	Length	Total Weight
	Capacity	Handle pull for full load	Lifting Distance	Min. dist between hooks	Capacity	Handle pull for full load	Lifting Distance	Min. dist between hooks			
1000-15SH-UK	-	-	-	-	350Kg	35Kg	455cm	63cm	4.6mm	485cm	3.2Kg
3000-10SH-UK	1000Kg	45.5Kg	150cm	82.5cm	500Kg	44Kg	305cm	63cm	5.6mm	350cm	4.0Kg
4000-20SH-UK	1400Kg	52Kg	305cm	104cm	700Kg	50Kg	610cm	73cm	6.4mm	670cm	7.0Kg
6000-15SH-UK	1800Kg	50Kg	225cm	134cm	900Kg	48Kg	455cm	104cm	7.9mm	545cm	15.5Kg

WARNING - These hoists are intended for industrial use and not for lifting or supporting human cargo.

HOOKS...

LUG-ALL® has the right hook for any application. As standard all LUG-ALL® models come complete with a 360° Swivelling hook, however on request a Removable Clevis Hook, Gate Hook or Clevis Jaw can be fitted.



Clevis Hook - C
Removable Clevis Hook



Gate Hook - U
Hook latch revolves on hook shank and locks under spring tension in open or closed position.



Clevis Jaw - PS
Jaw fitting provides absolute attachment, high strength forged steel jaws and screw pins.

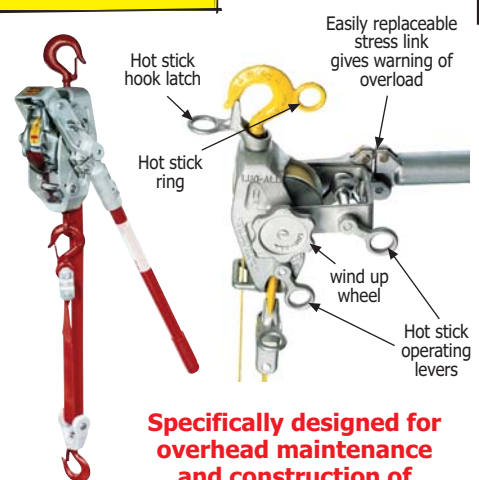
MARINE GRADE...



Not available in 6000 model

Developed specifically for marine use or corrosive environments, our marine-grade winch-hoist has anodised casting, stainless steel wire ropes and cadmium plated steel shafts.

WEB STRAP...



Specifically designed for overhead maintenance and construction of energised power lines.

Features include:-

- Exclusive breakable stress link
- Double interlocking pawl mechanism
- Self lubricating bearings
- Open frame construction
- Double flanged drum
- Six hook styles
- Drop forged hooks



POWERFEED SYSTEMS

- Festoon Systems
- Standard & Custom Reeling Drums
- Cable & Hose Drag Chains
- Conductor Systems
- Collector Columns
- Flexible Cables
- Plug & Sockets
- Pendant Control Stations
- Radio Remote Pendants
- Worm Gear Limit Switches
- Foot Switches

SAFETY SYSTEMS

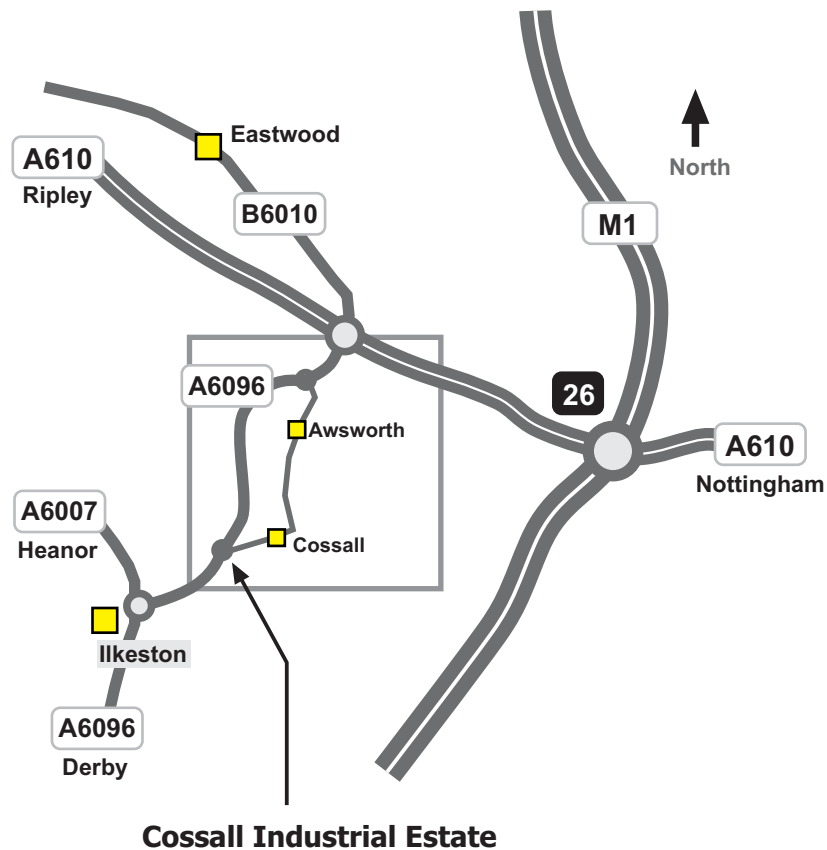
- Vertical Fall Arrest Ladder Systems
- Safetrack Horizontal Track Systems
- Horizontal Wire Systems

MECHANICAL HANDLING

- **MET-TRACK®** Light Cranes
- **MET-TRACK®** Monorails & Conveyors
- **MET-TRACK®** Sliding Door Gear
- **MET-TRACK®** Custom Track Systems
- **Alu-Lift®** Portable Aluminium Gantry
- Tool Balancers

OFFSHORE DIVISION

- Cable & Hose Drag Chains
- Cable & Hose Festoon Systems
- Cable & Hose Booms
- Cable & Hose Reeling Drums



Metreel

M145-0812

Cossall Industrial Estate, Coronation Road, Ilkeston, Derbyshire DE7 5UA



+44 (0)115 932 7010



+44 (0)115 930 6263



sales@metreel.co.uk



www.metreel.co.uk