

## Portable Cable Pullers

These lightweight cable pullers are used when you have a job that requires pulling or lifting. DCD pullers are versatile enough that they can be used for smaller cable pulling jobs and lifting transformers. Our pullers have a variety of anchor options, including attaching to a tree, pole, Category III hitch receiver, 2" ball hook, concrete floor, or pylon (transmission tower). Included with each unit is a 6' Polyester Sling (42300-206). Their interchangeable capstan drums mean you can modify the speed and pulling power to suit your needs, and you can use any length of rope you choose. With anti-reversing roller clutch bearings standard on every puller, and an operating position away from the line of pull these pullers are powerful, portable and safe to use for personal or commercial application.

## Pulling-Only Models

These two TUF-Lugger™ Lite models (41000-200, 41000-300) are portable lightweight cable pullers designed for a pulling application. Cable pulling and moving equipment are the primary applications. The capacities identified in the charts below are considered 'single line' capacities. With the correct block and tackle rigging, that capacity could be multiplied. However, the corresponding speed would be effected.

### TUF-Lugger™ Lite

With a powerful gas powered engine this puller comes out of the box ready for pulling jobs up to 2,200 lb. Adding snatch blocks can multiply your pulling strength (depending on the arrangement). Lightweight at only 35 lb, this puller can be carried in and out of remote locations, and with a continuous work cycle and a maximum pulling speed of up to 60' per minute, it will get the job done quickly and efficiently.



| Part No.  | Application | Engine                  | Gearbox (Ratio)        | Turns at Idle | Maximum Pulling Force | Standard Capstan Size | Pulling Speed (2-1/4" Drum)           | Pulling Speed (3-3/8" Drum)           | Rope Size (Pulling) | Dimensions                        | Work Cycle           | Weight |
|-----------|-------------|-------------------------|------------------------|---------------|-----------------------|-----------------------|---------------------------------------|---------------------------------------|---------------------|-----------------------------------|----------------------|--------|
| 41000-200 | Pulling     | 4-Stroke Honda GXH-50cc | Aluminum Alloy (110:1) | Yes           | 2,200 lb              | 2-1/4" Drum           | 40' per minute<br>Max Force: 1,700 lb | 60' per minute<br>Max Force: 1,200 lb | 3/8" to 5/8"        | 14-1/4" L x 14-5/8" W x 14-1/4" H | 100% Continuous Work | 35 lb  |

### TUF-Lugger™ Lite (High Speed)

The overall pulling weight that this unit can handle is lower than the regular speed model, but with a larger capstan drum, and a lower gear ratio this unit can pull at speeds of up to 115' per minute. The other features that you'll find on the regular speed model are still standard on this model, including the gas engine, and continuous work cycle.



| Part No.  | Application | Engine                  | Gearbox (Ratio)       | Turns at Idle | Maximum Pulling Force | Standard Capstan Size | Pulling Speed (2-1/4" Drum)           | Pulling Speed (3-3/8" Drum)          | Rope Size (Pulling) | Dimensions                        | Work Cycle           | Weight |
|-----------|-------------|-------------------------|-----------------------|---------------|-----------------------|-----------------------|---------------------------------------|--------------------------------------|---------------------|-----------------------------------|----------------------|--------|
| 41000-300 | Pulling     | 4-Stroke Honda GXH-50cc | Aluminum Alloy (53:1) | Yes           | 1,100 lb              | 3-3/8" Drum           | 75' per minute<br>Max Force: 1,100 lb | 115' per minute<br>Max Force: 770 lb | 3/8" to 5/8"        | 14-1/4" L x 14-5/8" W x 14-1/4" H | 100% Continuous Work | 35 lb  |

## Pulling/Lifting Models

These three TUF-Lugger™ Lite models (41000-400, 41000-500, 41000-600) are designed for both pulling and lifting applications. Cable pulling, lifting transformers (electrical boxes), moving equipment are the primary applications. The differences in capacities from pulling to lifting is due to its observed safety factor. Both units are equipped with a clutch are rope grab mechanism.

### TUF-Lugger™ Lite Lifting - Gas

This gas powered unit is used for jobs which require pulling and lifting. The capstan drum comes standard with a safety lip to prevent the rope from slipping off the drum during lifting jobs, and a rope grabbing system to prevent slack or rope slippage if the rope is released during a lift. This puller also features a clutch system which does not turn when idling.



| Part No.  | Application       | Engine                  | Turns at Idle | Gearbox (Ratio)        | Max Force |         | Standard Capstan Size | Pulling Speed                      |                                    | Rope Size    |         | Dimensions                        | Work Cycle           | Weight |
|-----------|-------------------|-------------------------|---------------|------------------------|-----------|---------|-----------------------|------------------------------------|------------------------------------|--------------|---------|-----------------------------------|----------------------|--------|
|           |                   |                         |               |                        | Pulling   | Lifting |                       | 2-1/4" Drum                        | 3-3/8" Drum                        | Pulling      | Lifting |                                   |                      |        |
| 41000-400 | Pulling & Lifting | 4-Stroke Honda GXH-50cc | No            | Aluminum Alloy (110:1) | 1,700 lb  | 555 lb  | 2-1/4" Drum           | 40' per min<br>Max Force: 1,700 lb | 60' per min<br>Max Force: 1,200 lb | 3/8" to 5/8" | 1/2"    | 19-7/8" L x 14-5/8" W x 14-1/4" H | 100% Continuous Work | 42 lb  |

### TUF-Lugger™ Lite Lifting - Electric

This electric model gives you the option of working in areas where gas motors are prohibited, such as indoors. With a higher pull load than its gas powered counterpart this electric puller makes a powerful addition to the team. It comes standard with the same rope grabbing system as our other lifting unit, so you can feel confident that this machine is just as safe and reliable.

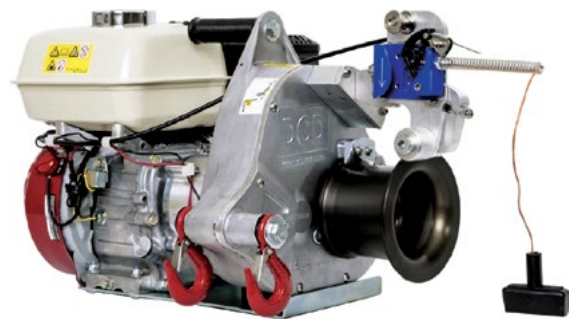


| Part No.  | Application       | Engine  | Gearbox (Ratio)        | Max Force |         | Standard Capstan Size | Pulling Speed |             | Rope Size    |         | Dimensions                        | Work Cycle                       | Weight |
|-----------|-------------------|---|------------------------|-----------|---------|-----------------------|---------------|-------------|--------------|---------|-----------------------------------|----------------------------------|--------|
|           |                   |   |                        | Pulling   | Lifting |                       | 2-1/4" Drum   | 3-3/8" Drum | Pulling      | Lifting |                                   |                                  |        |
| 41000-500 | Pulling & Lifting | AC Electric Baldor TEFC 115/230 vac - 1 ph - 3/4 HP - 60 Hz | Aluminum Alloy (110:1) | 1,800 lb  | 555 lb  | 2-1/4" Drum           | 22' per min   | 35' per min | 3/8" to 5/8" | 1/2"    | 21-7/8" L x 14-3/8" W x 14-3/8" H | 15 min/hr (to avoid overheating) | 53 lb  |

### TUF-Lugger™ Lite Lifting - Heavy Duty

This gas powered unit is equipped with a Honda GX-160 cc engine, which offers superior performance in a wide variety of tasks, such as erecting towers, lifting antennas, replacing insulators, cable pulling and other arduous tasks.

The integrated rope grabbing system allows the operator to work safely and the start/stop mechanism means he can focus on the task required. This system can be used to lift or lower a load. A wide range of accessories are available to simplify the installation process and anchor this model at various anchoring points such as a vehicle, a post, a pylon and more.



| Part No.  | Application                  | Engine         | Turns at Idle | Gearbox (Ratio)       | Max Force |         | Standard Capstan Size | Pulling Speed                      | Rope Size | Dimensions                    | Work Cycle           | Weight |
|-----------|------------------------------|----------------|---------------|-----------------------|-----------|---------|-----------------------|------------------------------------|-----------|-------------------------------|----------------------|--------|
|           |                              |                |               |                       | Pulling   | Lifting |                       | 4-1/4" Drum                        |           |                               |                      |        |
| 41000-600 | Industrial Pulling & Lifting | Honda GX-160cc | No            | Aluminum Alloy (53:1) | 2,200 lb  | 990 lb  | 4-1/4" Drum           | 72' per min<br>Max Force: 2,000 lb | 1/2"      | 18" L x 14-5/8" W x 14-1/4" H | 100% Continuous Work | 76 lb  |

## Capstan Drums with Rope Guide

The option to change your capstan drum means that the unit's speed and pulling capacity are customizable. See specific speeds and capacities in each TUF-Lugger™ Lite spec chart.



| Part No.   | Size   | Weight |
|------------|--------|--------|
| 42100-225  | 2-1/4" | 1.5 lb |
| 42100-337  | 3-3/8" | 2.0 lb |
| 42100-425* | 4-1/4" | 2.5 lb |

\* Only compatible with 41000-600.

## Capstan Drum Safety Lips

These Safety Lips are easily installed on the outside of the capstan drum to prevent the rope from slipping off the drum during lifting jobs. These are designed for use only with lifting units.



| Part No.  | Fits Drum Size | Weight  |
|-----------|----------------|---------|
| 42110-225 | 2-1/4"         | 0.36 lb |
| 42110-337 | 3-3/8"         | 0.33 lb |

## Spark Arrester

This Spark Arrester prevents the engine from ejecting anything flammable and is mandatory in some areas. It is installed quickly and easily with a #2 Phillips screwdriver.



| Part No.  | Material | Diameter | Weight  |
|-----------|----------|----------|---------|
| 42120-000 | Aluminum | 13/16"   | 0.75 lb |

## Carrying Cases

These cases are designed to protect your unit during transport. The 42130-010 waterproof, airtight case comes with removeable casters, a folding handle, and room for the unit, rope, and many accessories. The 42130-020 is also waterproof & airtight and comes with a folding handle and room for the unit and accessories. The 42130-030 has molded spaces for the unit and accessories; this is our lightest weight option. Finally, the 42130-040 is shock-proof and waterproof with room for the unit and accessories. These cases will protect your investment under extreme conditions.



| Part No.  | Description   | Model No.              | Outside Dimensions    | Inside Dimensions     | Weight |
|-----------|---|------------------------|-----------------------|-----------------------|--------|
| 42130-010 | Padded Waterproof Case (with casters and handle)    | 41000-200<br>41000-300 | 20" L x 20" W x 19" H | 18" L x 18" W x 17" H | 27 lb  |
| 42130-020 | Padded Waterproof Case (with handle)                | 41000-400<br>41000-500 | 23" L x 23" W x 21" H | 20" L x 20" W x 20" H | 27 lb  |
| 42130-030 | Transport Case (with molded shapes for accessories) | 41000-200<br>41000-300 | 25" L x 22" W x 16" H | 19" L x 19" W x 15" H | 15 lb  |
| 42130-040 | Padded Waterproof and Airtight Case (with casters)  | 41000-500<br>41000-600 | 25" L x 32" W x 18" H | 21" L x 28" W x 16" H | 33 lb  |

## Polyester Sling

Polyester Slings are used to attach the unit or a pulley to an anchor. They are non-stretch.



| Part No.  | Length | Width | Weight | Vertical | Breaking Point (Style of Anchor) |          |
|-----------|--------|-------|--------|----------|----------------------------------|----------|
|           |        |       |        |          | Choker                           | Basket   |
| 42300-206 | 6'     | 2"    | 1.5 lb | 3,200 lb | 2,500 lb                         | 6,400 lb |
| 42300-210 | 10'    | 2"    | 2.0 lb | 3,200 lb | 2,500 lb                         | 6,400 lb |

## Double Braided Polyester Ropes

Double Braided Polyester Ropes are perfect for use with the TUF-Lugger™ Lite. Their maximum stretch is 12% when at breaking point.



### Unspliced Rope Ends

| Part No.  | Length | Width | Weight | Breaking Strength |
|-----------|--------|-------|--------|-------------------|
| 42310-164 | 164'   | 1/2"  | 13 lb  | 7,275 lb          |
| 42310-328 | 328'   | 1/2"  | 26 lb  | 7,275 lb          |
| 42310-656 | 656'   | 1/2"  | 51 lb  | 7,275 lb          |
| 42310-984 | 984'   | 1/2"  | 77 lb  | 7,275 lb          |
| 42315-164 | 164'   | 3/8"  | 8 lb   | 4,850 lb          |
| 42315-328 | 328'   | 3/8"  | 15 lb  | 4,850 lb          |
| 42315-656 | 656'   | 3/8"  | 30 lb  | 4,850 lb          |

### Spliced Rope Ends

| Part No.   | Length | Width | Weight | Breaking Strength |
|------------|--------|-------|--------|-------------------|
| 42310-328S | 328'   | 1/2"  | 27 lb  | 7,275 lb          |
| 42310-656S | 656'   | 1/2"  | 52 lb  | 7,275 lb          |
| 42310-984S | 984'   | 1/2"  | 78 lb  | 7,275 lb          |

## Rope Bags

Rope Bags come in various sizes and are made out of durable nylon fabric.



| Part No.  | Size                     | 1/2" Rope Capacity | Weight |
|-----------|--------------------------|--------------------|--------|
| 42320-020 | Small                    | 164'               | 1.0 lb |
| 42320-030 | Medium (Shoulder Straps) | 328'               | 1.7 lb |
| 42320-050 | Extra Large              | 656'               | 3.1 lb |

## Chokers

Chokers are used to grip a log or group of logs that are to be pulled. The steel rod is designed to easily slide underneath logs, and can be used with the Skidding Cone (page 65) to make moving large logs quick and easy.



42330-010



42330-020

| Part No.  | Description                          | Dimensions    | Maximum Load | Weight |
|-----------|--------------------------------------|---------------|--------------|--------|
| 42330-010 | HPPE Rope Choker with Steel Pin      | 7' L x 3/8" W | 15,500 lb    | 1 lb   |
| 42330-020 | Choker Chain with C-Hook & Steel Pin | 7' L x 1/4" W | 12,600 lb    | 6 lb   |



## Anchor Options

DCD TUF-Lugger™ Lite (41000 series) requires a solid anchor point. These receivers and anchors provide a variety of easy-to-use options for anchoring your unit and ensuring a safe pull or lift.

### Support Plate

This Support Plate is used to attach the puller to a vehicle using 2" Square Tubing (42200 series) or to a pole or tree using the Pole Mount (42200-040). It pivots up to 45 degrees to either side, thus allowing the TUF-Lugger™ Lite to self align with the load during a pull.



| Part No.  | Material          | Dimensions    | Weight |
|-----------|-------------------|---------------|--------|
| 42200-010 | Zinc plated steel | 18" L x 12" W | 10 lb  |

### 2" Square Tubing

This Square Tubing fits into a Category III hitch receiver on a vehicle and creates an anchor point for the Support Plate (42200-010) or Vertical Pull Support (42200-050) using the bent pin style attachment. The new 18" version (42200-021) gives additional working room for a vehicle with a hidden hitch.



| Part No.  | Material          | Dimensions   | Weight |
|-----------|-------------------|--------------|--------|
| 42200-020 | Zinc plated steel | 13" L x 2" W | 5 lb   |
| 42200-021 | Zinc plated steel | 18" L x 2" W | 7 lb   |

### Towing Ball Adapter

This easily transportable adapter turns your vehicle into an anchor point for your puller. It fits ball hitches up to 2" in diameter.



| Part No.  | Material          | Dimensions   | Weight |
|-----------|-------------------|--------------|--------|
| 42200-030 | Zinc plated steel | 11" L x 6" W | 2 lb   |

### Pole Mount

This system allows the unit to be securely mounted onto a pole or tree. An adapter then provides support for the puller. This anchor is compatible with the Support Plate (42200-010) and the Vertical Pull Support (42200-050) and requires one of them to be installed before it can be used as an anchor point.



| Part No.  | Material            | Dimensions    | Weight |
|-----------|---------------------|---------------|--------|
| 42200-040 | Powder coated steel | 13" L x 11" W | 18 lb  |

### Vertical Pull Support

The Vertical Pull Support is primarily designed to be used in tandem with the lifting TUF-Lugger™ Lite models. It can be anchored with the Pole Mount (42200-040) or a Category III hitch receiver by using the 2" Square Tubing (42200 series). The pulley provides redirection for the rope so that the main pulling force is in a downward direction.



| Part No.  | Material            | Dimensions    | Weight |
|-----------|---------------------|---------------|--------|
| 42200-050 | Powder coated steel | 24" L x 11" W | 21 lb  |

### Pivoting Anchor for Vertical Pull Support

In certain situations, the Vertical Pull Support (42200-050) can be used for pulling instead of lifting. This Pivoting Anchor connects to the support and pivots up to 45 degrees to either side, thus allowing the TUF-Lugger™ Lite to self align with the load during a pull.



| Part No.  | Material          | Dimensions      | Weight |
|-----------|-------------------|-----------------|--------|
| 42200-051 | Zinc plated steel | 9" L x 6-1/2" W | 8 lb   |

### Pylon Mount

The Pylon Mount is designed for anchoring various models of the TUF-Lugger™ Lite directly to a pylon's angle iron. The most common usage is for lifting with the Vertical Pull Support (42200-050). It is easily anchored by one person with the help of built-in magnets.



| Part No.  | Material            | Dimensions    | Weight |
|-----------|---------------------|---------------|--------|
| 42200-085 | Powder coated steel | 13" L x 11" W | 17 lb  |

### Floor Mount



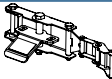
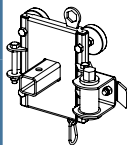



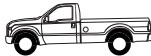



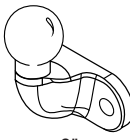





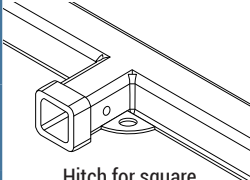
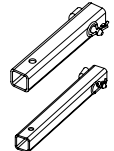



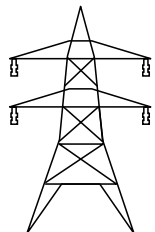
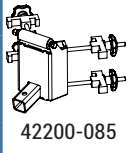





The Floor Mount is designed for anchoring the TUF-Lugger™ Lite to a concrete floor. The most common usage is for pulling wires inside a building. It can also be used outside when no other anchor point is available.



| Part No.  | Material          | Dimensions    | Weight |
|-----------|-------------------|---------------|--------|
| 42200-080 | Zinc plated steel | 20" L x 11" W | 21 lb  |

## Anchor Options Chart

No matter what job you're using the TUF-Lugger™ Lite for, there is an anchor that will suit your application. The guide below is to show you the different options available for your anchor options.

| Anchoring Accessories Reference Chart  |   |   |   |  | Use     |         | TUF-Lugger Lite™ Models |           |           |           |           |
|--|---|---|---|--|---------|---------|-------------------------|-----------|-----------|-----------|-----------|
| Anchor Points  |   |   | Anchor Accessories  |  | Pulling | Lifting | 41000-200               | 41000-300 | 41000-400 | 41000-500 | 41000-600 |
| <br>Cylindrical<br>(tree, post, pole, etc.) |   |   | 42300-206<br>42300-208<br>42300-210  |  | ●       |         | ●                       | ●         | ●         | ●         | ●         |
|  |   |   | 42200-015                            |  | ●       |         | ●                       | ●         |           |           |           |
|  |   |   | <br>42200-040                        | + 42200-010                 | ●       |         | ●                       | ●         |           |           |           |
|  |   |   |   | + 42200-050                 |         | ●       |                         |           | ●         | ●         | ●         |
|  |   |   |   | <br>+ 42200-051 & 42200-050 | ●       |         | ●                       | ●         | ●         | ●         | ●         |
| <br>Vehicle                               | 1-7/8" to<br>2-5/16"<br>Diameter             | 42200-030                    |   | ●  |         | ●       | ●                       |           |           |           |           |
|  |   | 42200-030                   |   | ●  |         | ●       | ●                       |           |           |           |           |
|  |   | <br>2"<br>Diameter         | + 42200-010                        | ●  |         | ●       | ●                       |           |           |           |           |
|  | 42200-035                                  |   | + 42200-050                        |  | ●       |         |                         | ●         | ●         | ●         |           |
|  | 42200-025                                  |   | <br>+ 42200-051 & 42200-050        | ●  |         | ●       | ●                       | ●         | ●         | ●         |           |
|  | <br>Hitch for square<br>tube of 2" opening | <br>42200-020<br>42200-021 | + 42200-010                        | ●  |         | ●       | ●                       |           |           |           |           |
|  |   |   | + 42200-050                        |  | ●       |         |                         | ●         | ●         | ●         |           |
|  |   |   | <br>+ 42200-051 & 42200-050        | ●  |         | ●       | ●                       | ●         | ●         | ●         |           |
|  | <br>Pylon<br>(with 90°<br>V-shaped legs)   | <br>42200-085              | + 42200-010                        | ●  |         | ●       | ●                       |           |           |           |           |
| + 42200-050                               |   |   |   | ●  |         |         | ●                       | ●         | ●         |           |           |
| <br>+ 42200-051 & 42200-050               |   |   | ●   |  | ●       | ●       | ●                       | ●         | ●         |           |           |
| <br>Floor                                 |   |   | 42200-080                          |  | ●       |         | ●                       | ●         |           |           |           |

## TUF-Lugger Lite Meter Box Puller Kit

This kit is designed to install conductor or communications cable through underground conduit to the meter box or the network interface box. The kit comes with 2" and 3" adaptors to allow a direct fit into the conduit and provide a high speed power assisted pull that prevents strain or injury while at the same time increases productivity. The kit is easily disassembled for transport to and from the work site and for storage. The durable construction of this kit make it strong enough to pull over 2,000 lb and can be used by a single operator.

This is to be used with the TUF-Lugger™ Lite models: 41000-200, 41000-300, 41000-400, 41000-500, and 41000-600.

Note: For customers that already have the Vertical Pull Support (42200-050), the kit contents are also sold as separate pieces.



| Part No.    | Quantity | Description                            | Weight |
|-------------|----------|--|--------|
| 42200-050   | 1        | Vertical Pull Support                  | 15 lb  |
| 42200-060   | 1        | Meter Box Puller with 2" & 3" Adapters | 26 lb  |
| 42000-500KT | 1        | TUF-Lugger™ Lite Meter Box Puller Kit  | 41 lb  |

## Tripod for TUF-Lugger Lite Meter Box Puller Kit

The Tripod for TUF-Lugger™ Lite Meter Box Puller Kit is intended for use with the Meter Box Puller for TUF-Lugger™ Lite (42200-060), Vertical Pull Support (42200-050) and the TUF-Lugger™ Lite cable pullers (41000 series). Complete assembly is required as shown prior to use. Rope is intended to allow for an upward pull from a manhole, well, or conduit. Use of the safety cable (included) will ensure a secure and reliable setup for pulling up to 2,200 lb.



| Part No.     | Quantity | Description                  | Weight  |
|--------------|----------|------------------------------|---------|
| 42200-070    | 1        | TUF-Lugger™ Lite Tripod Legs | 28.5 lb |
| 42000-600KT* | 1        | TUF-Lugger™ Lite Tripod Kit  | 70 lb   |

\* TUF-Lugger Lite™ sold separately.

## Stainless Steel Blocks

Blocks can be used when you need to alter the rope's direction, or if you're looking to increase your winch's overall pulling power by creating a double, triple, or quadruple rope setup.



| Part No.  | Description                    | Diameter | Minimum Rope Size | Maximum Rope Size | Weight |
|-----------|--------------------------------|----------|-------------------|-------------------|--------|
| 42400-104 | Single Swing Side Snatch Block | 4"       | 1/4"              | 1/2"              | 2.5 lb |
| 42400-204 | Double Swing Side Snatch Block | 4"       | 1/4"              | 1/2"              | 4.0 lb |

## Aluminum Self-Blocking Pulleys

Self-Blocking Pulleys are used during pulls in a rescue situation or a pull up an embankment or incline. It provides a safety backup by allowing the rope to pass only in the direction of the anchor, and locks when there is tension added in the other direction.



| Part No.  | Description                            | Diameter | Minimum Rope Size | Maximum Rope Size | Weight |
|-----------|--|----------|-------------------|-------------------|--------|
| 42410-104 | Swing Side Self-Blocking Pulley        | 2-1/2"   | 1/4"              | 1/2"              | 1.5 lb |
| 42410-204 | Double Swing Side Self-Blocking Pulley | 2-1/2"   | 1/4"              | 1/2"              | 2.0 lb |

## Locking Carabiners

Locking Carabiners have a multitude of uses. They can be used to quickly and easily attach blocks and pulleys so that they can be anchored, to attach rope to a hook with a grommet if too small for the rope's diameter, or even as a feed guide attached to one's belt to guide rope into a rope bag.



| Part No.  | Material                           | Minimum Breaking Strength | Gate Opening | Weight  |
|-----------|------------------------------------|---------------------------|--------------|---------|
| 42420-010 | Zinc plated with anodized aluminum | 5,500 lb                  | 5/8"         | 0.35 lb |
| 42420-015 | Zinc plated with anodized aluminum | 11,250 lb                 | 3/4"         | 1.39 lb |
| 42420-020 | Zinc plated with anodized aluminum | 15,500 lb                 | 1"           | 0.77 lb |

## Hooks

Multipurpose hooks can be used for a variety of things. If the rope size is too large to fit into the hook's grommet, then attach a carabiner between the hook and the rope and use a bowline knot to attach the carabiner to the rope.



| Part No.  | Description                        | Material            | Use             | Hook Size     | Grommet Size | Maximum Load | Weight  |
|-----------|------------------------------------|---------------------|-----------------|---------------|--------------|--------------|---------|
| 42430-020 | Safety Hook                        | Powder coated steel | Pulling/Lifting | 5/16"         | 11/16"       | 1,650 lb     | 0.73 lb |
| 42430-030 | Grab Hook with latch & chain links | Zinc plated steel   | Pulling         | 5/16"         | 15/32"       | 4,500 lb     | 1.39 lb |
| 42430-040 | C-Hook for chain                   | Powder coated steel | Pulling         | 1/4" to 5/16" | 3/8"         | 4,500 lb     | 0.75 lb |

## Skidding Cone

This heavy duty Skidding Cone makes it easy to pull large logs or bunches of smaller logs over obstacles and brush. It is made of polymer plastic and is strong but flexible.



| Part No.  | Material                        | Dimensions            | Maximum Diameter | Weight  |
|-----------|---------------------------------|-----------------------|------------------|---------|
| 42500-010 | High-resistance polymer plastic | 25" L x 21" W x 27" H | 20"              | 15.0 lb |



## TUF-Lugger™

The DCD TUF-Lugger™ is a cable puller that is designed to accommodate most pulling requirements up to a 4,500 lb load.

The unit is fully assembled and is mounted on four wheels making it portable and easy to move into any pulling location. It includes a foot pedal start/stop switch, four duct guides to suit 2", 3", 3-1/2", and 4" Schedule 40 duct, and a steel tool box carrying case.

The TUF-Lugger™ is driven by a removable TUF-Lugger™ Lite (41000-500), which can also be used for other applications. The frame is fitted with a feed-out sheave, which allows the operator to stand clear of the line of pull.

There are two arms which combine to allow access to both overhead and underground ducting.

Note: This product is not to be used for any purpose other than pulling cable through conduit. A duct guide must always be used in order to lock the unit into position – without this, it is possible or likely that the entire unit will lift off the floor and may cause damage or severe injury.



| Part No.  | Description                      | Power Info                 | Maximum Pulling Force | Maximum Speed   | Work Cycle          | Maximum Height Reach | Weight |
|-----------|----------------------------------|----------------------------|-----------------------|-----------------|---------------------|----------------------|--------|
| 42600-000 | TUF-Lugger™ Cable Pulling Device | 115V, 10 amp (Requirement) | 4,500 lb              | 7.9' per minute | 15 minutes per hour | 6-1/2'               | 237 lb |
| 40000-001 | Voltage Converter (220V to 110V) | 3,000 watts (Limit)        | -                     | -               | -                   | -                    | 27 lb  |

The basic TUF-Lugger™ has many features not normally found on this type of puller:

**Rope Deflector Sheave:** In the event that the rope should break, the tension in the rope could cause severe injury. With the deflector sheave, the operator may stand well clear of the pulling equipment and in particular, the line of pull.

**Open-sided Duct Guides:** These allow insertion or removal from the pull at any time. It should also be noted that the sheave is positioned immediately above the duct guide always ensuring that the rope or cable does not drag along the edge of the duct. The open side also allows positioning of the duct guide right up against a wall or junction box.

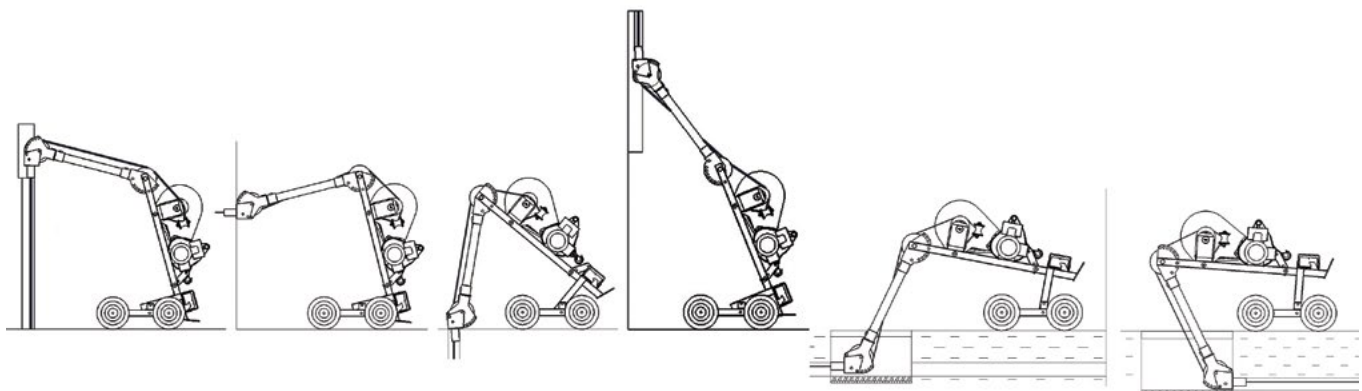
**Extendable Arms:** The outer beam of the TUF-Lugger™ is made up of 2" Schedule 40 aluminum pipe. Contact Customer Service for extensions to reach up to higher locations or into manholes, etc.

**Single Speed Simplicity:** The TUF-Lugger™ is powered by the TUF-Lugger™ Lite (41000-500). The smooth capstan allows the operator to reduce tension at the rope deflector sheave and slip the rope to reduce pulling speed without shredding the rope. For better slipping and lower loads, fewer wraps around the capstan may be used.

**Fine Indexing:** The duct guides can be indexed in 7-1/2 degree increments in order to allow better alignment with the duct opening. In addition, there are 2 separate pins that hold the duct guide in position. They are short pins located from either side to allow unimpeded passage of the rope or cable.

**Well Balanced Design:** The TUF-Lugger™ requires no field assembly and allows for easy fold down of the unit for pushing or pulling by hand. A minimum amount of force is required to tip the unit onto two wheels for steering or turning in tight areas.

All the above features are standard, but there is more – chrome plated shafts and iron-bronze bushings on all sheaves, brass serial number plate on every unit, heavy duty chains on the sprocket drives, powder coated paintwork, stainless steel securing pins at all elbows and more.



## TUF-Lugger™ Manhole Adapter

The Manhole Adapter is designed to straddle the open manhole and provide an anchor point for the TUF-Lugger™. It has two tabs that locate inside the manhole for safety. These are easily adjustable without the need for any tools or wrenches.

The "bridge" through which the cable is pulled slides easily along the length of the adapter allowing easy positioning to match the cable location. In the event of difficulties during the pull, the entire unit can be assembled around or removed from already positioned pull rope or cable.

The unit is mostly aluminum and is lightweight and easy to handle. A 6" duct guide (40010-600, not included) must be used to locate the TUF-Lugger™ in the Manhole Adapter.



| Part No.  | Manhole Size Range | Materials              | Weight |
|-----------|--------------------|------------------------|--------|
| 40000-300 | 18" to 36"         | Aluminum, Polyurethane | 63 lb  |

## Universal Extension

The Universal Extension frame is designed to get to those really hard to reach corners and still be able to locate the duct guide squarely into the ducting.

It mounts directly onto the end of the standard TUF-Lugger™ with all the existing hardware that comes with the TUF-Lugger™. The unit has the ability to be rotated 90 degrees in either direction thus giving total flexibility inside a manhole to reach any location. The Universal Extension is provided with short aluminum tubes, but it is likely that they will not be suitable for all applications. It is up to the contractor to obtain 2" pipes of a length to suit any particular application.

The outboard end of the extension is identical to that of the TUF-Lugger™ thus allowing the normal use of the duct guides.

It is possible to assemble more than one of these extensions such that when coupled together, they provide the ability to fully turn a corner.

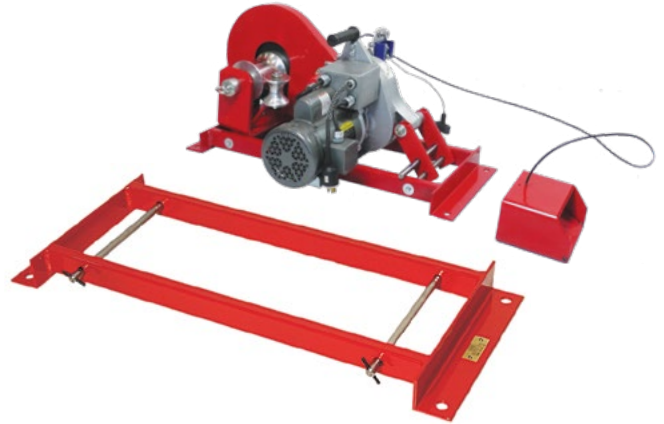
Care must be taken when assembling this extension because until load is put onto the TUF-Lugger™, the entire unit will be very unstable – once load is applied, all the arms will tighten up under the tension and it will again become stable.



| Part No.  | Overall Length | Weight |
|-----------|----------------|--------|
| 40000-500 | 41-5/16"       | 43 lb  |

## Floor Mounting Frame

The Floor Mount Frame is designed to be secured to a concrete floor and provide an anchor point for the Power Pack. The construction is simple and assembly of the Power Pack takes only minutes. Caution must always be exercised to use the correct securing bolts - 5/8" Hilti Bolts or equivalent - and to install them as per the manufacturer's recommendations.



| Part No.  | Securing Bolt Type | Securing Bolt Pattern | Weight |
|-----------|--------------------|-----------------------|--------|
| 40000-400 | 5/8" Hilti Bolts   | 32" x 12"             | 19 lb  |

## TUF-Lugger™ Duct Guides

The duct guides are designed to locate inside the ducting and provide an anchor point for the TUF-Lugger™ to pull against. These and all other units are also available individually. Each duct guide has mounting holes for attachment to the last sheave on the TUF-Lugger™.

The assembly of the duct guide to the TUF-Lugger™ is reversed for upward direction as opposed to downward direction. Each unit also has a pair of holes used for indexing the position of the guide in increments of 7-1/2 degrees. All DCD duct guides are open on one side to allow easy installation or removal without feeding over the cable or pulling rope.



| Part No.   | Duct Guide Size | Weight  |
|------------|-----------------|---------|
| 40010-200* | 2"              | 5.23 lb |
| 40010-250  | 2-1/2"          | 5.31 lb |
| 40010-300* | 3"              | 5.60 lb |
| 40010-350* | 3-1/2"          | 5.94 lb |
| 40010-400* | 4"              | 6.28 lb |
| 40010-500  | 5"              | 8.23 lb |
| 40010-600  | 6"              | 8.50 lb |

\* Included with TUF-Lugger™ (42600-000).

## Fiber Cable Puller

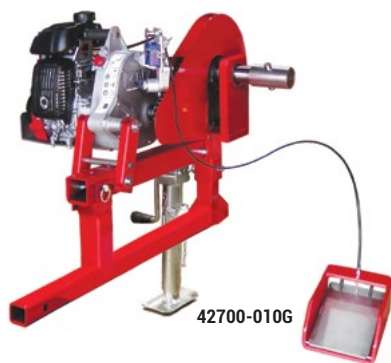
The Fiber Cable Puller is a simple, easy to use cable puller that is designed to accommodate industry standard sheaves of 7", 30", or 42" dia. specifically intended for use with fiber optic cables requiring a minimum bend radius.

The unit is powered by the TUF-Lugger™ Lite Lifting - Gas (41000-400) or by the TUF-Lugger™ Lite Lifting - Electric (41000-500), providing a gas or electric option as a simpler, lighter, less costly option than a typical hydraulic puller.

Best of all, the Fiber Cable Puller is assembled using the Vertical Pull Support (42200-050) and the TUF-Lugger™ Lite (41000 series), which includes the standard capstan. Simply dismount the winch and install the standard capstan and the winch can be used as a stand-alone item, which comes with a 2-1/4" capstan providing a 2,200 lb pulling force.

### Standout Features

- 30" and 42" capstan drums are compatible with Bull-Line™ Pull Tape.
- Easily Disassembled with simple tools; each component weighs less than 74 lb.
- Base frame legs are removable for compact storage. They also include adjustable pads for levelling on hard surfaces.
- Frame clearance allows a vertical pull out of a manhole or well.
- Holes in base frame allow frame to be pegged or bolted to the ground.
- Controlled using cable actuated foot pedal, allowing operator both hands to handle rope.
- Vertical Pull Support (42200-050, included) is compatible with 2" square tubing adapter, making unit hitch mountable.



### Fiber Cable Puller Assemblies

| Part No.   | Description                                   | Weight |
|------------|---|--------|
| 42700-000G | Fiber Cable Puller (Gas) w/ H-Frame Base      | 204 lb |
| 42700-000E | Fiber Cable Puller (Electric) w/ H-Frame Base | 215 lb |
| 42700-010G | Fiber Cable Puller (Gas) w/ Hitch Base        | 175 lb |
| 42700-010E | Fiber Cable Puller (Electric) w/ Hitch Base   | 186 lb |

### Capstan Drums

| Part No.  | Description      | Weight |
|-----------|------------------|--------|
| 40030-070 | 7" Capstan Drum  | 30 lb  |
| 40030-300 | 30" Capstan Drum | 75 lb  |
| 40030-400 | 42" Capstan Drum | 105 lb |

### Base Options

| Part No.  | Description                         | Weight |
|-----------|-------------------------------------|--------|
| 42700-100 | Hitch Mount for Fiber Cable Puller  | 37 lb  |
| 42600-300 | H-Frame Base for Fiber Cable Puller | 65 lb  |

### Specifications

| Part No.              | Engine                        | Power Requirement | Work Cycle           | Clutch             | Maximum Pulling Force |            |             |             | Maximum Pulling Speed |                |                 |                 |
|-----------------------|-------------------------------|-------------------|----------------------|--------------------|-----------------------|------------|-------------|-------------|-----------------------|----------------|-----------------|-----------------|
|                       |                               |                   |                      |                    | 2-1/4" Capstan        | 7" Capstan | 30" Capstan | 42" Capstan | 2-1/4" Capstan        | 7" Capstan     | 30" Capstan     | 42" Capstan     |
| 42700-000G (Gas)      | 4-Stroke Honda GXH-50cc       | -                 | 100% Continuous Work | Centrifugal Clutch | 2,200 lb              | 3,480 lb   | 810 lb      | 580 lb      | 40' per minute        | 28' per minute | 120' per minute | 173' per minute |
| 42700-000E (Electric) | AC Electric Baldor TEFC 60 Hz | 110V<br>10 AMP    | 75% Work Cycle *     | N/A (Direct Drive) | 1,800 lb              | 2,680 lb   | 620 lb      | 440 lb      | 40' per minute        | 16' per minute | 69' per minute  | 97' per minute  |

\* 15 minutes per hour recommended cool down period.