

PRODUCT CATALOG

Oklahoma Design Technologies

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January, 2024

T~HANDLE

<http://www.oklahomadesigntech.com/saftanchor.html>

PATENT PENDING



You have several options when it comes to installing the SAF-T-ANCHOR...

The 6 point socket is recommended for installation of the SAF-T-ANCHORS with the welded 2" nut.
 The T-Handle can be used to install the temporary or permanent anchors.

Socket	
3/4" Drive - 2" - 6 point impact socket for use with the welded eye nut	SPT-6
T-Handle - 24" Length - 3/4" Drive	THDL-24
T-Handle - 36" Length - 3/4" Drive	THDL-36
T-Handle - 48" Length - 3/4" Drive	THDL-48
Ratchet - 3/4" Drive	THDL-RCT



LIGHT WEIGHT ALUMINUM KELLY BAR/ANCHOR ADAPTOR

The aluminum Kelly Bar Adaptor (KBA) is used for the installation of the Saf-T-Anchor with a truck

Advantages:

- 1) The new 2 piece design of the Kelly Bar Adaptor will enclose the upper half of the Saf-T-Anchor. When installed with a line truck, the force of the truck will not bend the anchor rod.
- 2) Light weight – weighs only 22 pounds, therefore is ergonomically correct and easy to use. Constructed of tooled aluminum.
- 3) Removes shock torque from Kelly bar, actuator, boom, and bull gear which extends the life of the equipment. The design of the adaptor allows for quick installation.
- 4) Economical – costs less than other adaptors.

The Kelly Bar/Anchor Adaptor can be used to install all of ODT's Saf-T-Anchors.

Description	Part Number
Top Section of 2 Piece Kelly Bar Adaptor	
2 Hex	KBAH-2
2 ½ Hex	KBAH-2.5
2 ⅝ Hex	KBAH-2.6
2 ¼ Square	KBAS-2.25
2 ½ Square	KBAS-2.5
Bottom Section of 2 Piece Kelly Bar Adaptor – 36"	
Anchor Adaptor Assembly	AA-2H36

The top section connects to the Kelly bar on the truck.

The bottom bolts to the top section and fits over the 2" hex nut located above the top flite.



CORDLESS IMPACT WRENCH

Our 3/4" SAF-T-ANCHORS are hand installed with an impact wrench and we've tested multiple impact wrenches on the market. It is Oklahoma Design Technologies' opinion that the Makita 18V LXT Lithium-Ion Brushless Cordless High Torque 3/4" Cordless Impact Wrench is the most powerful 3/4" cordless impact tool available to install ODT's 3/4" SAF-T-ANCHORS.

Portable, compact size and light weight impact wrench with rechargeable batteries for long life, makes using the Makita impact wrench the most effective method of installing our 3/4" SAF-T-ANCHOR.

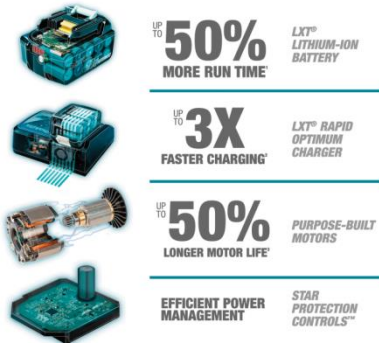
Makita 18V LXT® Lithium-Ion Brushless Cordless High Torque 3/4" Impact

- BL™ Motor delivers 780 ft. lbs. of fastening torque and **1,250 ft. lbs. of breakaway torque**
- 3-speed power selection switch
- 3/4" anvil with friction ring and thru hole retention system for maximum productivity
- Efficient BL™ Brushless motor is electronically controlled to optimize battery energy use
- Compact and ergonomic design at only 9" long, weighs only 8.1 lbs. with battery
- Built-in dual L.E.D. lights with preglow and afterglow illuminates the work area
- The BL™ Brushless Motor eliminates carbon brushes, runs cooler and more efficiently for longer life

Makita 18V LXT Lithium-Ion Brushless Cordless High Torque 3/4" Impact Kit

MAK-LXT-3/4-IMPKT

THE LXT ADVANTAGE



ANCHOR CERTIFIER (AC)

The Portable Hydraulic Anchor Certifier (AC) is a hydraulically operated device that is used to test existing anchors to a calibrated tension for quality assurance provisions. ODT also uses this device to test the pull out strength of all types of anchors. It is designed to pull up to 20,000 lbs. and consists of a hand operated hydraulic power supply that is used to activate a hydraulic cylinder, which in turn provides tension to the anchor. A calibrated pressure gauge provides a real time indication of pull-out tension at any angle. Watch a YouTube.com video of the SAF-T-ANCHOR <https://youtu.be/1KlldvkZPb0>

Anchor Certifier (AC) - includes the gauge, ram, and hydraulic pump

AC-38

Anchor Certifier Storage Box - houses the ram, hydraulic pump, hoses and gauge

AC-PRB-32

LET US TEST YOUR ANCHORS





501 W. Michigan Chickasha, OK 73018
 Phone: 405-222-7199 Fax: 405-222-7186
 Debra Hamilton: 918-640-0542

☆ ORIGINAL Certificate of Test ☆



DATE 02/08/2016
 CUSTOMER NAME OKLAHOMA DESIGN TECHNOLOGIES, LLC
 PO NUMBER 2816-01
 MODEL NUMBERS WLC-B WIRELESS INDICATOR TRANSCEIVER
 WLC-A RECEIVER
 FCC ID NUMBERS FCC ID: X54-TS-WLC-B TRANSCEIVER
 FCC ID: X54-TS-WLC-A RECEIVER
 DESCRIPTION OF ITEM VERIFY ANCHOR CERTIFIER - (PULL TEST)
 ACPT ORDER # 3282
 TEST ID # 02/08/2016/3282

TEST LOAD (TONS & MINUTES HELD) GAUGE REFERENCE POINTS CERTIFIED
 2 X 1000 CERTIFIED TO 1700 LBS.
 4 X 1000 CERTIFIED TO 3230 LBS.
 6 X 1000 CERTIFIED TO 4630 LBS.
 8 X 1000 CERTIFIED TO 6170 LBS.

PERFORMED BY (PRINT & SIGN NAME) JOSH POWELL – TECH/(LEVEL II CERTIFIED)
 (Signature) *Josh Powell*

WITNESSED BY (PRINT & SIGN NAME) (Print) *Buddy S. Linton*
 (Signature) *Buddy S. Linton*
 (X) In-House () 3rd Party
 3rd Party Company Name:

This is to confirm and certify that the parts and/or assemblies listed above were tested and inspected in accordance with all applicable manufacturer specifications and procedures, A.P.I. RP-8B and/or customer specifications.

All dimensional inspections, Proof Load, Functional Test, NDE inspections and process surveillances were performed by ACPT in accordance with established manufacturer and ACPT quality procedures.

This certifies the above described item(s) meet the above specifications. Items which do not meet certification criteria have been tested according to specifications noted with the reason noted for non-certification. Load measuring instrument is accurate +/- 1% of reading as specified by ASTM E-4. Upon conclusion of testing no obvious defects were noted.

DISCLAIMER: As the use of these items are beyond the control of American Certification and Pull Testing, LLC, the purchaser and/or end user is solely responsible for the usability and suitability of these items.

INTRODUCING THE NEW LIGHTWEIGHT SAF-T-SPLINT

ONE SIZE FITS ALL FOR DISTRIBUTION

Patent Pending

The SAF-T-SPLINT is made of lightweight aluminum and is designed to fit pole diameter sizes from 8" to 16" due to the angle of the side plates. The splint is constructed with two aluminum grades and due to this type material, the tension from the ratchet straps will cause the splint to cleat to the pole for greater stability.

The SAF-T-SPLINT comes in two lengths:

6' length weighs 40 pounds

8' length weighs 57 pounds

The SAF-T-SPLINT is attached to the broken or damaged pole using 4 straps. The splint has openings within the vertical ribs for strap placement. Holes are located on each end of the splint and ribs to aid in lifting the unit into place on the pole.

The straps are available in two sizes:

2" straps have a load capacity of 2,000 pounds per wrap, 2,000 pounds of load capacity is added for each wrap.

3" straps have a load capacity of 3,000 pounds per wrap, 3,000 pounds of load capacity is added for each wrap.

ADVANTAGES

- Can be quickly and easily installed by one person
- Less time to install and ergonomically correct
- Can be safely left unattended until crews are scheduled to replace the damaged pole
- No tools needed for installation
- If necessary, 2 splints can be used. However, 90% of the time only 1 splint is needed. Transmission poles require 2 splints.



Introducing the New SCREW JACK POLE PULLER

PATENT PENDING

POLE PULLING PROCEDURE

The chain secures the cleated pole adaptor to the pole and the truck boom digging actuator and kelly bar adaptor attaches to the screw jack mechanism.

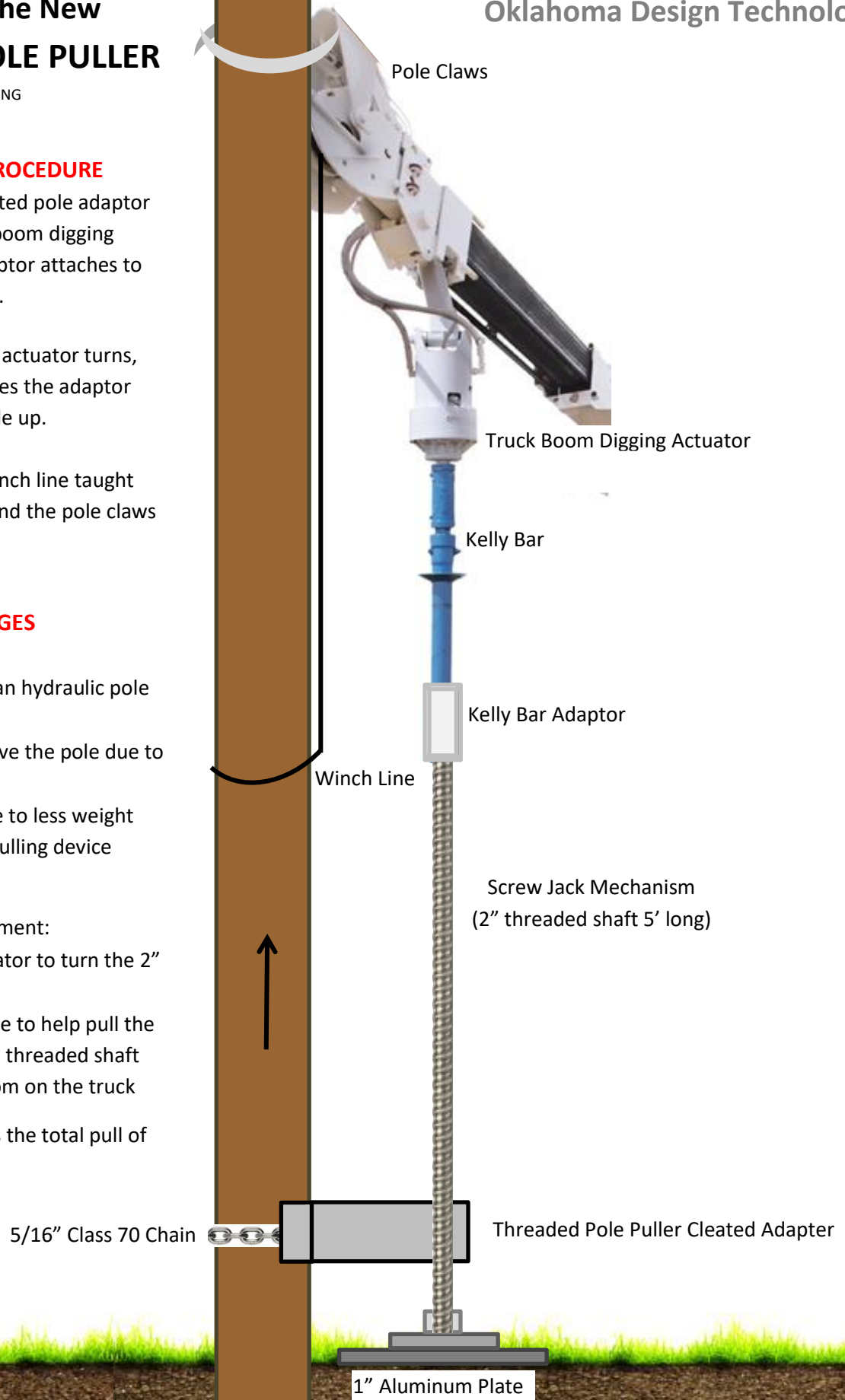
As the truck boom digging actuator turns, the threaded shaft advances the adaptor upward, which lifts the pole up.

The operator keeps the winch line taught which stabilizes the pole and the pole claws guide the pole.

ADVANTAGES

- A. Cost Effective:
 - Less expensive than hydraulic pole pullers
 - Less time to remove the pole due to one constant pull
 - Fewer injuries due to less weight than a hydraulic pulling device
 - Less maintenance
- B. Utilizes Existing Equipment:
 - Uses digging actuator to turn the 2" threaded shaft
 - Uses the winch line to help pull the pole due to the 2" threaded shaft stabilizing the boom on the truck
- C. One operator controls the total pull of the pole.

Oklahoma Design Technologies



INTRODUCING THE NEW SAF-T-ELECTRO PLATE

Never use a ground rod again!

Patent Pending

The SAF-T-ELECTRO PLATE replaces the 8' x 5/8" ground rod and can be manually installed using a T-handle, ratchet or an impact wrench.

The installation tool is available in 1' increments - 1', 2', 3' and 4' lengths for installations at the required depth.

ADVANTAGES

The area surface of an 8' x 5/8" ground rod is 165 square inches.

The area surface of the 4' x 1/4" SAF-T-ELECTRO PLATE is 185 square inches.

The SAF-T-ELECTRO PLATE is available in metal plate steel and stainless steel.

The SAF-T-ELECTRO PLATE is screwed into the ground with a wedging effect, whereby maintaining tighter contact with the soil. During installation of a regular ground rod, the hole is made bigger by pounding the rod into the soil reducing the amount of contact with the soil, thus providing less conductivity.

Therefore, the SAF-T-ELECTRO PLATE obtains better grounding than a ground rod.

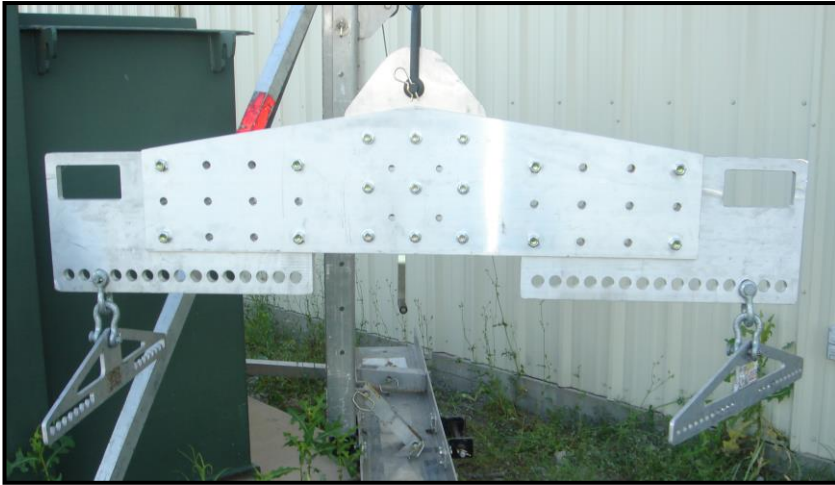
- Can be installed below the ground line
- Can be quickly and easily installed by one person
- Less time and cost to install
- Can be used for permanent or temporary grounding
- The SAF-T-ELECTRO PLATE exceeds National Electric Safety Code Regulations
- Ideal for all types of grounding

SAF-T-ELECTRO PLATE	STEP
SAF-T-ELECTRO PLATE Installation Tool in lengths of 1', 2', 3', 4'	STEP-TOOL



SAF-T-SPREADER

PATENT PENDING



Lift pad mount transformers weighing up to 30,000 pounds!

The Saf-T-Spreader is constructed of high tensile aluminum, weighs approximately 60 pounds and adjusts from 2' to 7' in length.

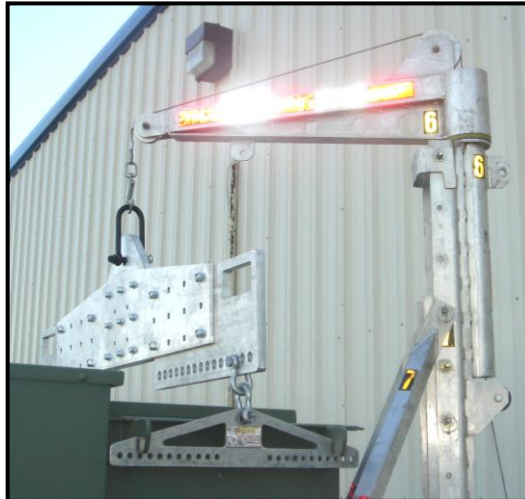
The STS-6061 is made with 6061 aluminum and has a lifting capacity of 20,000 pounds.

The STS-7075 is made with 7075 aluminum and has a lifting capacity of 30,000 pounds.

Can be used in limited space areas to lift...

- Large industrial motors, concrete panels
- Girder beams
- HVAC units
- 3-phase pad mount transformers up to 3,000 KVA
- Switch gear in electrical substations, etc...

Many other uses up to 30,000 pounds!



Saf-T-Spreader rated for 20,000 pounds	STS-6061
Saf-T-Spreader rated for 30,000 pounds	STS-7075

SAF-T-LIFT

PATENT PENDING

History:

The development of the Saf-T-Lift was born from the need to safely handle equipment. Using rope slings or cables and guessing where to balance the load has resulted in damaged equipment and injuries to workers. Some transformer companies will not warranty their equipment if it is installed using slings instead of an approved spreader bar such as the Saf-T-Lift.

The Transformer Saf-T-Lift enables the user to safely lift and/or install transformers, capacitor banks, electrical pole mount and pad mount transformers, switches in substations, arrestors, MVA transformer insulators, lift vault lids, vault grates, manhole lids, setting wire reels in wire trailers and many other uses.

The Communications Saf-T-Lift enables the user to safely lift vault lids using adjustable J-hooks.

The Manhole Saf-T-Lift enables the user to safely lift manhole lids with the grate hooks, cable slings and a multiplying foot.

Material and Accessories:

The Saf-T-Lifts are made of aircraft aluminum. 64", 48", 42" & 30" in length. ODT can custom build the Saf-T-Lifts to meet your specific needs.

The Transformer Saf-T-Lift can be ordered with or without lifting nylon straps. The nylon straps come with metal D-rings to reduce abrasion and wear and tear on the nylon strap at the attachment points. Choose the accessories that best fit your needs for the Communications and Manhole Saf-T-Lifts.

Specifications:

The Saf-T-Lift is designed with a 6 to 1 safety factor. Each unit will have the model number, the lifting capacity and the serial number embossed into the aluminum.

Patented Design:

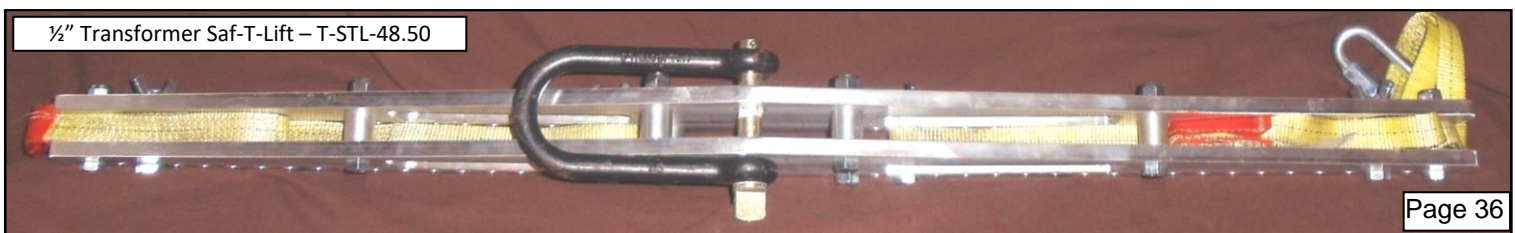
The Transformer and Communications Saf-T-Lifts are designed with two plates connected with 1" stabilizing spacers and bolts to provide increased rigidity which reduces the potential for overloading resulting in damage to the device and equipment. There are 21 attachment points on each side of the device providing excellent adjustment capabilities for the user. Each time the attachment point is moved in on each side, the lifting capacity is increased by 200 pounds.

The Manhole Saf-T-Lift has one plate designed to deflect when the rated capacity is exceeded, but reverts to its original shape. Place two Manhole Saf-T-Lifts together to double the lifting capacity.

Advantages/Uses:

1) The 2 point lifting system will remove the stress load off the equipment thereby eliminating damage to the equipment and providing a safe working environment for the worker. When a single point lifting device is used, the potential for crushing the equipment exists and is a potential hazard for the worker. 2) Lift large loads due to the design of load to work ratio. 3) The ability to relocate the lifting points for safer lifting. 4) The ability to balance the load. 5) Designed to be used with a crane or fork lift.

NOTE: The ½" assembly uses 2" straps



SAF~T~LIFT



Transformer Saf-T-Lift - rated for 13,000 pounds (42" long) - 1/2" Double Plates	T-STL-42.50
Transformer Saf-T-Lift - rated for 11,960 pounds (48" long) - 1/2" Double Plates	T-STL-48.50
Transformer Saf-T-Lift - rated for 10,970 pounds (64" long) - 1/2" Double Plates	T-STL-64.50
Transformer Sling - 2" x 36" w/D Rings - rated 12,000 pounds (each)	T-SLING-2D
Double General Clevis - 3/4" x 6 1/4" - rated for 10,000 pounds	DGC

Choose the Saf-T-Lift and accessories that best fit your needs to safely lift the following...

Overhead and pad mount transformers, wire or wire reels, compositor banks, manhole lids, vault lids, pipe, equipment...the possibilities are endless.

NOTE: The Manhole Lifting Hooks are not for overhead lifting.

In these pictures, the 1/2" Transformer Saf-T-Lift – T-STL-48.50 was used to set the pad mount transformer in place with the lid open.



The manhole lifting hooks have been tested on electrical, sewer, storm, and communication manhole lids.



Quick release connector with 2,000 pound working load limit.
Manhole lifting hooks have 5,000 pound working load limit.



VER~T~LIFT

PATENT PENDING

The VER-T-LIFT is a confined space/material lifting device rated for 1000 pounds (working load). Constructed of high tinsel aluminum using pins and rods to be quickly and easily assembled in the field.

- Can be used with many types of winches (sold separately)
- The retrieval arm rotates 360 degrees and can extend from 24" to 36"
- Has leveling pods, collapses down to 6' and extends to 10'
- Can use up to 3 winches at one time
- Unit has rear rooftop non-penetrating legs and can be used without the rear legs
- Can be attached to a trailer for lifting or for confined space entry
- Used for lifting personnel, equipment and materials in limited access areas such as manholes, vaults and sub-stations
- Can be used to lift motors from wells & rooftops, fence posts, manhole lids...the possibilities are endless
- The VER-T-LIFT can be custom made for specific needs

VER-T-LIFT – Part # - VTL

