INTRODUCING THE NEW
SAF-T-ANCHOR

PATENT PENDING

What makes this such an effective anchor? It's the patented method of compressing dirt between the top two flites! As the bottom two flites pull the anchor into the ground, the top flite is compressing the dirt by a compacting mechanism as it gets pulled into the ground thus creating instant compaction and immediate holding power.

The patented locking action prevents the anchor from unscrewing or pulling out when tension is applied. To extend the longevity of the anchor, enhanced materials are used to induce rusting, which will only rust 10 mils thick causing an isolation barrier to protect the rest of the anchor. This prevents circulating currents from migrating on to the rod.

The STAD55432 with either the ¾" or 1" rod is the most commonly used anchor by the electrical industry in Class 5 and better soils. See ODT's chart for proper anchor installation in specific soil classifications. Replaces other helix anchors up to an 8' rod with a 10" helix and/or multiple helixes.

Anchors with ¾" rods are installed by hand using the T-Handle or a battery-operated impact wrench.

Anchors with 1" rods are designed to be installed with a truck using our lightweight aluminum Kelly Bar Anchor Adaptor but can also be installed by hand using a T-Handle.

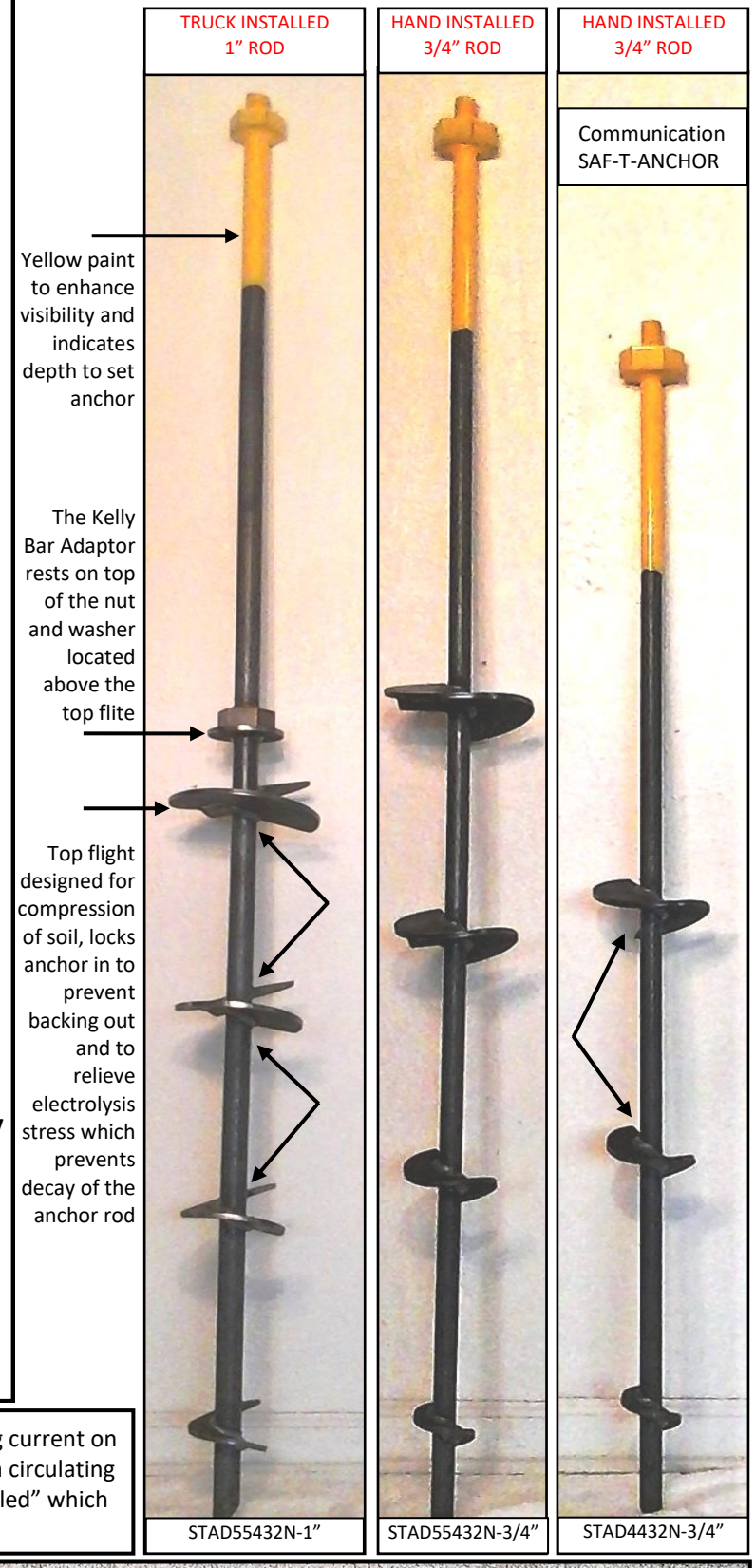
All SAF-T-ANCHORS are
INSTALLED COUNTERCLOCKWISE

See Page 9 for the SAF-T-ANCHOR descriptions and pull-out chart and Page 10 for a comparison chart.

Anchors 5' in length or more with a compactor are used by the electrical industry and are designed to be permanent.

Anchors 4' in length with a compactor are used by the communication industry and are designed to be permanent.

Anchors with no compactor are used for temporary installations only.



The picture of a helix anchor below shows the effects of circulating current on metal. The process of galvanization cannot protect the metal from circulating current. The anchor is attacked at mid length and becomes "penciled" which causes the anchor to fail.

Compare the SAF-T-ANCHOR and other helix anchors:

Compare the differences between a drill bit (helix anchor) and a screw (SAF-T-ANCHOR). The helix anchor (drill bit) creates a hole which leaves disturbed soil sitting on top and only the weight of the disturbed soil is keeping the helix anchor in the ground.

ODT's compacting anchor mechanism and angled flites perform similarly to a screw, which locks the anchor into the soil while the compactor creates a compressed ball between the flites providing instant holding power.

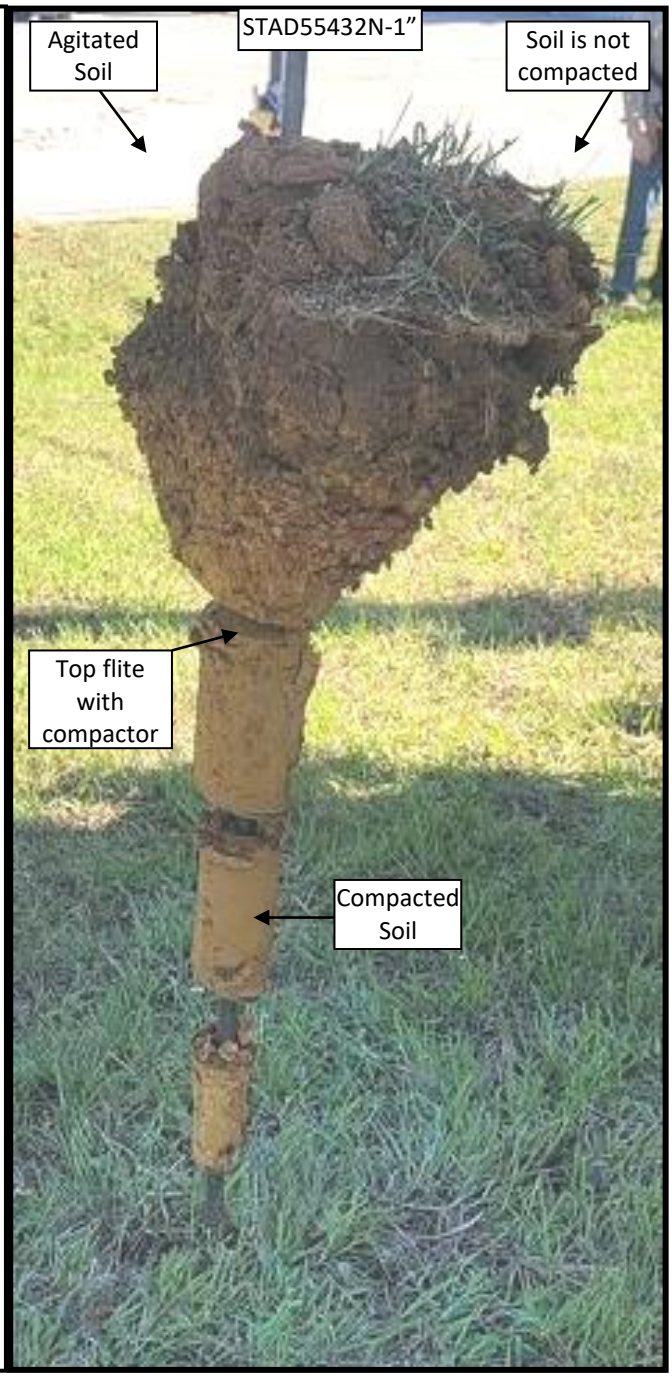
As the anchor is being pulled into the dirt by the smaller bottom flites, the top flite is pushing the dirt back down towards the bottom flites which compresses the soil.

The picture to the right shows how the top flite compacts the dirt while being installed.

The long-term creep coefficients are generally less than the short-term creep coefficients, this indicates that the short-term tests give an adequate indication of long-term anchor performance.

NOTE: Once the anchor is completely installed, be sure to spin the anchor a few more times (without down pressure) this will cause the dirt to become even more tightly compacted.

The yellow paint on the top of the anchor is for safety and is also an indicator for the depth to set the anchor.



Shown in the picture above, a large ball of compacted dirt locks the anchor into the ground which in essence creates a 4th flite for increased holding power.

The STAD4432 is referred to as the 'Communication' anchor. If a utility pole needs to be supported, the STAD442N-3/4" can be installed with the impact wrench or T-Handle to support the damaged pole until crews can return to replace it.

Anchors with no compactor can be easily removed and used again.

The picture of the helix anchor on the left shows how the one large flite at the bottom of the anchor creates a tube in the soil which minimizes the holding strength. The picture of the SAF-T-ANCHOR on the right shows the graduated flites screw in, compacting the soil which maximizes the holding strength.

ADVANTAGES

- Enhanced with new metal processing for 30% longer anchor life, does not require galvanization
- More holding power at less depth
- Once the ball is created, the SAF-T-ANCHOR will not creep
- Less time to install depending on soil conditions, on average 5 minutes to install by hand
- 70% less torque to install than a 10" helix anchor with an 8' – ¾" rod, less stress on the derrick truck boom
- Guy wire tensioning by screwing anchor into the ground
- The 4432 and 55432 anchors can be used for every day anchoring as a permanent or temporary anchor
- Can go back into the existing hole the old anchor was in – no locates needed
- More economical per installation, one person installation, less personal injuries
- Anchor designed to penetrate the frost line, asphalt and small rock deposits