



PROBES • HOOKS



Specializing in the design, manufacture and sale of sub-surface hand tools

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If you feel you did not get a “fair value” from your product, return it.
We will replace it, refund your money, or credit your account.

Shipping within the United States:

| <u>Order Total</u> | <u>Shipping</u> |
|----------------------|-----------------|
| \$0.00 to \$150.00 | \$10.00 |
| \$150.01 to \$350.00 | \$16.00 |
| Over \$350.00 | 8% of total |

1-12 Tips and/or Couplers - \$6.00

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For freight collect or third party: EXW, Ex Works, Holland, MI

Shipments outside continental United States at cost and agreed upon terms.

Payment Terms:

US dollars

VISA®, MasterCard®, Discover®, American Express®, and PayPal®

All dimensions are nominal and may vary slightly due to production constraints. We reserve the right to make changes in product specifications and pricing at any time without notice.



Made in USA

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Mighty Probe®



Patent Number
5,487,432

Soil Probe

The Mighty Probe® is the best insulated soil probe available, period. It can be combined with the Slide Adapter to create a mini slide hammer probe (refer to page 2 & 3).

The steel shaft, tip and handle are threaded, allowing for the addition of extensions and shaft/tip replacement.

This probe was tested up to 50,000 volts by an independent testing lab following the ASTM F711-89 testing procedures. It was also dry and 48 hour water soaked tested up to 45,000 volts by a major utility company.

Benefits of a **Mighty Probe®**: (compared to a non-steel probe)

- **Rigidity** - Stiffer probe allows for easier probing of hard ground
- **Safety** - Metal shaft is less susceptible to snapping than a non-steel rod
- **Extensions** - Can be attached to the probe by using couplers
- **Threaded Tips** - Tips can easily be replaced
- **Retains Protective Properties** - Probe retains its properties even if scratched/scored and water soaked up to 48 hours

Mighty Probe® features:

Handle:

- Sturdy 1" x 11" solid steel
- Big enough to grip with both hands even when wearing gloves

Isolator:

- High strength reinforced composite
- Molded to the handle for a secure connection
- Tested up to 50,000 volts

Shaft:

- High quality alloy steel resists bending and bowing
- Threaded to ensure a secure connection and ease of replacement

Tips:

- Larger diameter makes a clearance hole for the shaft
- Heat treated for longer life
- Special alloy steel
- Threaded for easy replacement
- Tapered edges make penetration and withdrawal easier

CAUTION!

- Always de-energize power sources prior to probing.
- Never allow bodily contact with the uninsulated portions of the tool (e.g. the shaft).
- Always inspect your Mighty Probe® before each use.
- Always keep your Mighty Probe® clean.

| Rod Type | Overall length | | | | | | | | Price |
|--|----------------|----------|----------|----------|----------|----------|----------|----------|--------------|
| | 36" | 42" | 48" | 54" | 60" | 66" | 72" | 78" | |
| 3/8" Round (Standard Rod - SR) | MPA36 | MPA42 | MPA48 | MPA54 | MPA60 | MPA66 | MPA72 | MPA78 | \$92 |
| 3/8" Hex (20% stiffer than SR) | MPA36-X | MPA42-X | MPA48-X | MPA54-X | MPA60-X | MPA66-X | MPA72-X | MPA78-X | \$97 |
| 7/16" Hex (2x as stiff as SR) | MPA36-X7 | MPA42-X7 | MPA48-X7 | MPA54-X7 | MPA60-X7 | MPA66-X7 | MPA72-X7 | MPA78-X7 | \$100 |
| | 30" | 36" | 42" | 48" | 54" | 60" | 66" | 72" | |
| | Probing depth | | | | | | | | |



Slide Adapter

Slide Adapter

Convert your Mighty Probe® or Striking Head Probe (w/SAA) into a mini slide hammer probe. Now you can pound your way through those difficult spots.

All striking pieces are manufactured from high strength, impact resistant tool steel.

The Slide Adapter is threaded between the handle and shaft of your probe creating a tight fitting, solid, and well integrated tool.

Slide Adapter™ features:

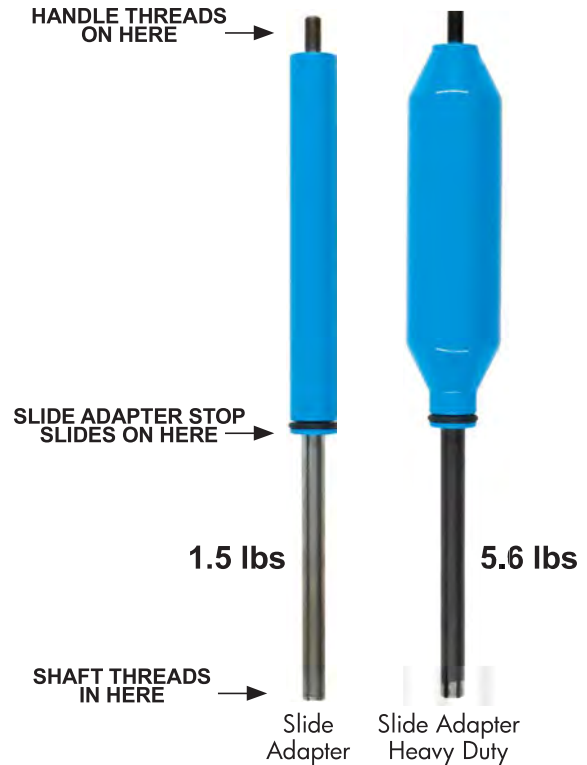
Highlights:

- 6" stroke
- 8" overall length
- A Slide Adapter Stop will lock the shaft in place (see below)
- The shaft can be pounded in and out of the ground
- Slide Adapter Heavy Duty adds 4 additional pounds (5.6 lbs total)

Material:

- High strength tool steel
- Heat treated to extend durability

Slide Adapter information continued on page 3



| | Overall length | Price |
|-----------------------------------|----------------|-------------|
| | 8" (closed) | |
| Slide Adapter | SA | \$60 |
| Slide Adapter (Heavy Duty) | SAHD | \$85 |

| Item | Price |
|---------------------------|-------------|
| Slide Adapter Stop | \$25 |



Slide Adapter Stop and Pin

The Slide Adapter Stop is designed to be removed quickly and conveniently. When installed, it converts the mini slide hammer probe to a non-sliding probe. It installs onto an integrated groove to trap the slide, preventing it from moving. Removing the stop returns the probe to the mini slide hammer option.

| Item | Price |
|------------------------------|-------------|
| Slide Adapter Adapter | \$20 |

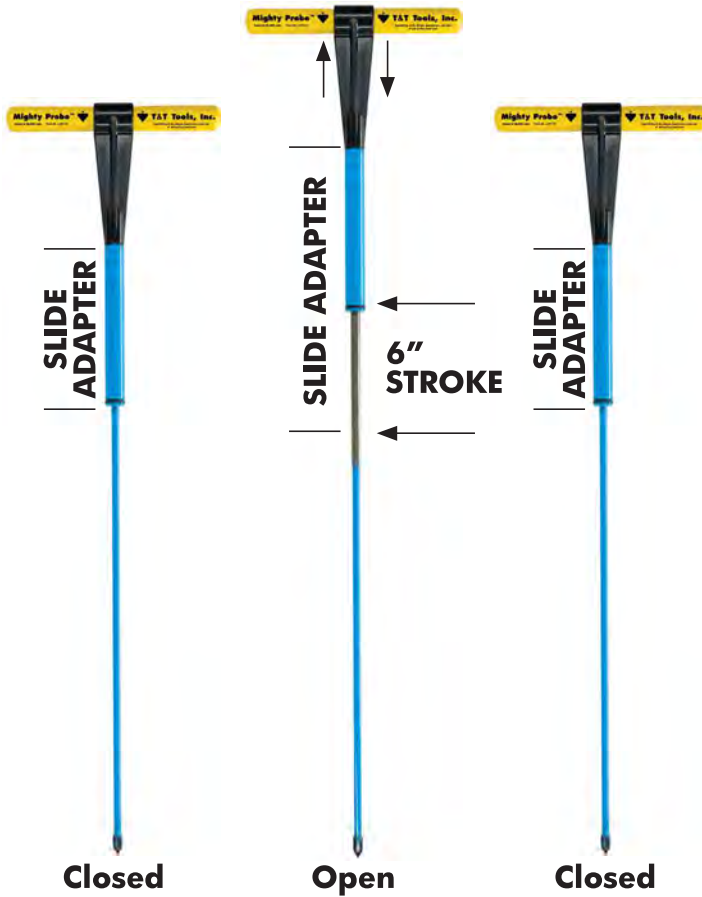


Slide Adapter Adapter

This item is used only when combining a 3/8" standard duty Striking Head Probe (SPLxx) with a Slide Adapter (SA) or a Heavy Duty Slide Adapter (SAHD). This item is not used for any other probe and Slide Adapter combination.

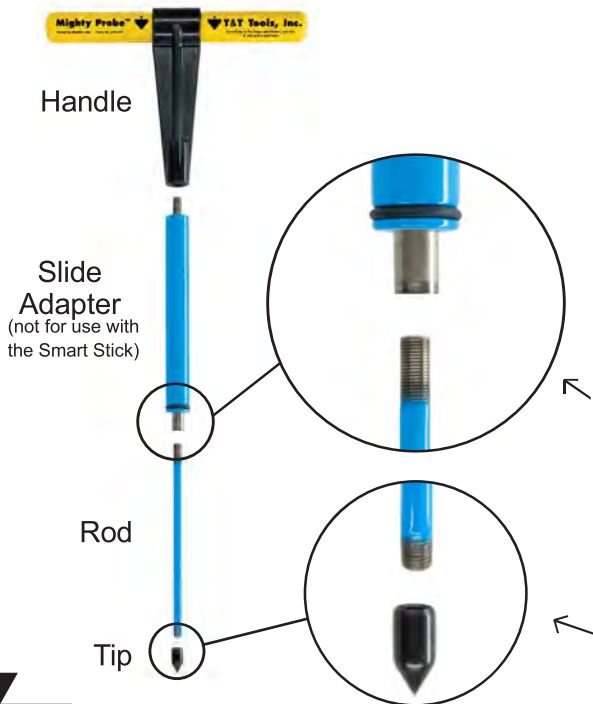


Slide Adapter - Continued



Slide Adapter Hammer Action

The handle is lifted, then driven down, driving the shaft into or out of the ground.



Probe Rod Assembly Instructions

It is IMPORTANT that your probe rod be assembled properly.

- The rod end with **more threads** (7/8") needs to be connected to the **handle** or the slide adapter.
- The rod end with **fewer threads** (3/8") needs to be connected to the **tip**.

If the product is assembled incorrectly, it will fail.

The handle or Slide Adapter screws onto the end of the rod with more threads.

The tip screws onto the end of the rod with fewer threads.

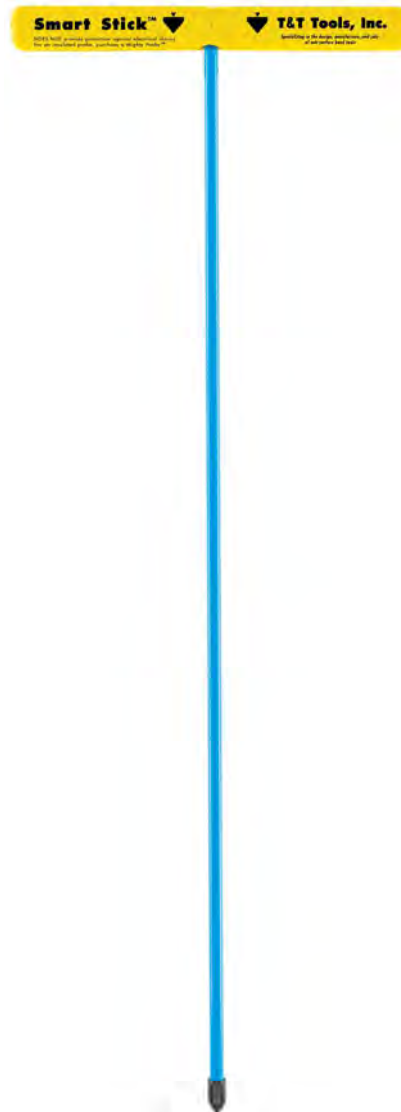
Standard Soil Probe

Many types of steel were evaluated and performance tested to create a probe with great durability. The steel used for our probes springs back to its original state better than other steel probes.

The steel shaft, tip, and handle are threaded, allowing for the addition of extensions and shaft/tip replacement.

The heat treated tips create a clearance opening, reducing the resistance of the shaft against the soil.

Note: The Slide Adapter **cannot** be used with this probe.



Smart Stick™ features:

Grips:

- Bright color, easy to see
- Comfortable, smooth, durable vinyl softens impact

Handle:

- Sturdy 1" x 11" solid steel
- Big enough to grip with both hands even when wearing gloves

Shaft:

- High quality alloy steel resists bending and bowing
- Threaded to ensure a secure connection and ease of replacement

Tips:

- Larger diameter makes a clearance hole for the shaft
- Heat treated for longer life
- Special alloy steel
- Threaded for easy replacement
- Tapered edges make penetration and withdrawal easier

CAUTION!

This PROBE is NOT INSULATED and DOES NOT provide protection against electrical shock. For an insulated probe, buy a Mighty Probe®.

| Rod Type | Overall length | | | | | | | Price |
|--|----------------|----------|----------|----------|----------|----------|----------|-------------|
| | 36" | 42" | 48" | 54" | 60" | 66" | 72" | |
| 3/8" Round (Standard Rod - SR) | TPA36 | TPA42 | TPA48 | TPA54 | TPA60 | TPA66 | TPA72 | \$67 |
| 3/8" Hex (20% stiffer than SR) | TPA36-X | TPA42-X | TPA48-X | TPA54-X | TPA60-X | TPA66-X | TPA72-X | \$72 |
| 7/16" Hex (2x as stiff as SR) | TPA36-X7 | TPA42-X7 | TPA48-X7 | TPA54-X7 | TPA60-X7 | TPA66-X7 | TPA72-X7 | \$75 |
| | 36" | 42" | 48" | 54" | 60" | 66" | 72" | |
| | Probing depth | | | | | | | |





Extreme Duty Hammer Probe

The integrated slide hammer makes probing through hard ground easier.

The sliding head has been specifically designed to reduce the risk of injury by minimizing the number of pinch points.

Comfortable 18" long handles are made from 1" diameter steel tubing allowing ample room for the hands. The dual handles are spread apart by 6 1/2" (on centers), providing greater control and improved ergonomics.

All internal pieces of the head assembly are manufactured from high strength, impact resistant tool steel. This steel is designed for minimal distortion, ensuring a long lasting probe.

The steel tips are heat treated alloy steel and create a clearance opening for the 1/2" shafts.

The Hammer Probe is powder coated bright blue for high visibility and a long lasting finish.

Hammer Probe™ features:

Handle:

- 18" stroke
- 25" overall length
- 13 lbs. total weight
- 18" long handles on each side for easy lifting, control, and safety
- High strength, impact resistant tool steel for a long life
- Specially designed head minimizes pinch points

Shaft:

- 1/2" high quality steel alloy resists bending and bowing
- Threaded to ensure a secure connection and ease of replacement

Tips:

- Provides clearance for the 1/2" steel shaft
- Heat treated for longer life
- Special alloy steel
- Threaded for easy replacement
- Tapered edges make penetration and withdrawal easier

CAUTION!

This PROBE is NOT INSULATED and DOES NOT provide protection against electrical shock. For an insulated probe, buy a Mighty Probe®. Ear protection is recommended.

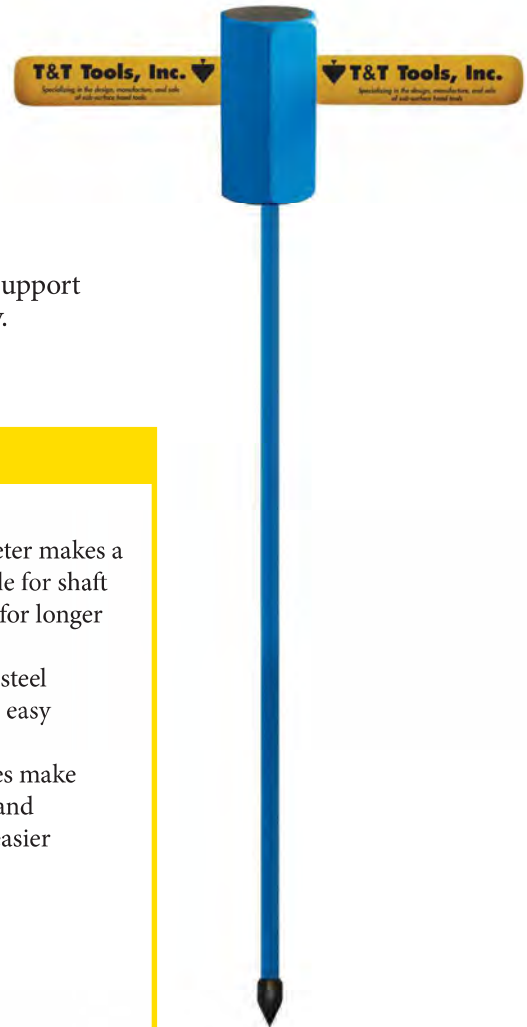
| Rod Type | Overall length | | | | | Price |
|-------------------|----------------|-------|-------|-------|-------|--------------|
| | 61" | 67" | 73" | 79" | 85" | |
| 1/2" Round | HMP36 | HMP42 | HMP48 | HMP54 | HMP60 | \$180 |
| | Probing depth | | | | | |
| | 36" | 42" | 48" | 54" | 60" | |



Striking Head Probe

Designed to be used with a maul, this probe is great for breaking through tightly packed or frozen soils. The standard duty Striking Head can also be combined with a Slide Adapter to form a mini slide hammer (refer to page 2 and 3).

Improved 2" wide hex head is integrated with an 11" wide handle. Adding 3 lbs. to the overall probe weight, the hex head is counter bored providing support at the rod and head transition point, increasing the durability and longevity.



Striking Head™ features:

Head:

- 2" wide hex
- Heat treated for long life
- Adds 3 lbs. to help with penetration

Grips:

- Bright color that is easy to see
- Comfortable, smooth, durable vinyl softens impact

Handle:

- Sturdy 1" x 11" solid steel
- Provides additional weight and support for easier penetration
- Big enough to grip with both hands even when wearing gloves

Shaft:

- 3/8" or 1/2" Round
- High quality alloy steel resists bending and bowing
- Threaded to ensure a secure connection and ease of replacement

Tips:

- Larger diameter makes a clearance hole for shaft
- Heat treated for longer life
- Special alloy steel
- Threaded for easy replacement
- Tapered edges make penetration and withdrawal easier

CAUTION!

This PROBE is NOT INSULATED and DOES NOT provide protection against electrical shock. For an insulated probe, buy a Mighty Probe®.

| Rod Type | Overall length | | | | | | | Price |
|--------------------------------------|----------------|-------|-------|-------|-------|-------|-------|-------------|
| | 38" | 44" | 50" | 56" | 62" | 68" | 74" | |
| 3/8" Round (Standard Duty) | SPL36 | SPL42 | SPL48 | SPL54 | SPL60 | SPL66 | SPL72 | \$83 |
| 1/2" Round (Heavy Duty) | SPH36 | SPH42 | SPH48 | SPH54 | SPH60 | | | \$88 |
| | Probing depth | | | | | | | |
| | 34" | 40" | 46" | 52" | 58" | 64" | 70" | |





GRS26-D

Sliding Ground Rod

The integrated Sliding Ground Rod simplifies putting a ground rod into difficult soils. It is self-contained, easy to use, carry and store. The handle slides up and down on the single piece ground rod shaft, driving it into or out of the ground. Electronic locating equipment can connect to the shaft allowing the shaft to work as a grounding device.

The sliding handle has been specifically designed to reduce the risk of injury by minimizing the number of pinch points.

All internal pieces of the head assembly are manufactured from high strength, impact resistant tool steel. This steel is designed for minimum distortion, ensuring a long lasting tool.

The Sliding Ground Rod can be ordered powder coated or Platisol dipped for comfort.

Sliding Ground Rod features:

Handle:

- Sturdy 1.5" diameter steel tube
- 21-inch overall length
- 16-inch stroke to provide an optimal distance for driving the rod into the ground while reducing weight

Shaft:

- Shaft is used as a grounding rod
- 1/2-inch rod diameter
- 26-inch usable length
- High-quality alloy steel resists bending and bowing
- Single piece shaft integrated into handle
- Specially designed to minimize pinch points

CAUTION!

This tool is NOT INSULATED and DOES NOT provide protection against electrical shock.

| Option | Overall length | Price |
|------------------------|----------------|--------------|
| | 48" | |
| Powder Coated | SGR26 | \$115 |
| Platisol Dipped | SGR26-D | \$155 |
| | Usable length | |
| | 26" | |



Mighty Probe® Lite

Light Duty, Probe

Designed for sand, loose, or wet soil, the **Mighty Probe Lite** is a light duty insulated soil probe. It offers the same electrical protection as the **Mighty Probe** while featuring a thin, lightweight 3/16" stainless steel threaded shaft which won't rust and resists bends. The handle is made from tubing, reducing the total weight of the probe to 2 lbs.



Patent Number
5,487,432

CAUTION!

- Always de-energize power sources prior to probing.
- Never allow bodily contact with the uninsulated portions of the tool (e.g. the shaft).
- Always inspect your Mighty Probe® before each use.
- Always keep your Mighty Probe® clean.

| Rod Type | Overall length | | Price |
|--------------------|----------------|---------------|-------------|
| | 42" | 48" | |
| 3/16" Round | MPL42 | MPL48 | \$95 |
| | | Probing depth | |
| | | 36" | 42" |

Water Probe™

Water Probe

The Water Probe attaches to a standard garden hose. The water flows through the shaft and out the tip.

The Water Probe can be used for:

- Penetrating hard, dry soil
- Back filling trenches
- Cleaning out meter boxes
- Cleaning out catch basins
- Leach field testing

Note: Product designed for low pressure (100 PSI Maximum)

Water Probe™ features:

Grips:

- Bright color, easy to see
- Insulates against cold
- Comfortable, smooth, durable vinyl softens impact

Handle:

- 1" machined steel
- Standard brass hose connector

Valve:

- Brass
- Conveniently located control

Shaft:

- High quality thick wall steel tubing resists bending
- Threaded for secure connection and ease of replacement

Tip:

- Improved design for less clogging
- Beveled for better penetration
- Hardened steel



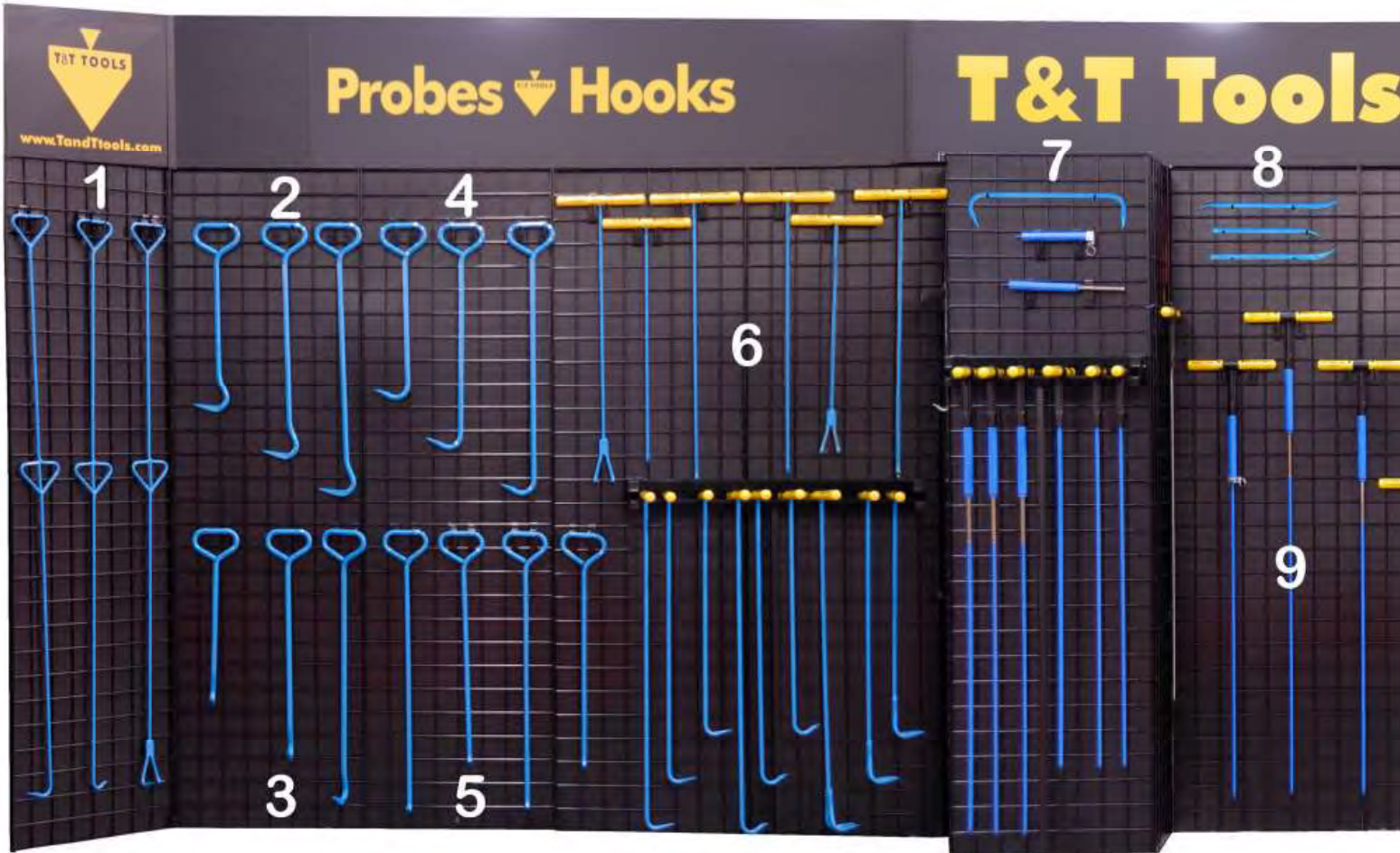
| Rod Type | Overall length | | | Price |
|--------------------|----------------|---------------|-------|-------------|
| | 48" | 60" | 72" | |
| Water Probe | WPA48 | WPA60 | WPA72 | \$90 |
| | | Probing depth | | |
| | | 43" | 55" | 67" |

CAUTION!

This PROBE is NOT INSULATED and DOES NOT provide protection against electrical shock. For an insulated probe, buy a Mighty Probe®.



T&T TOOLS

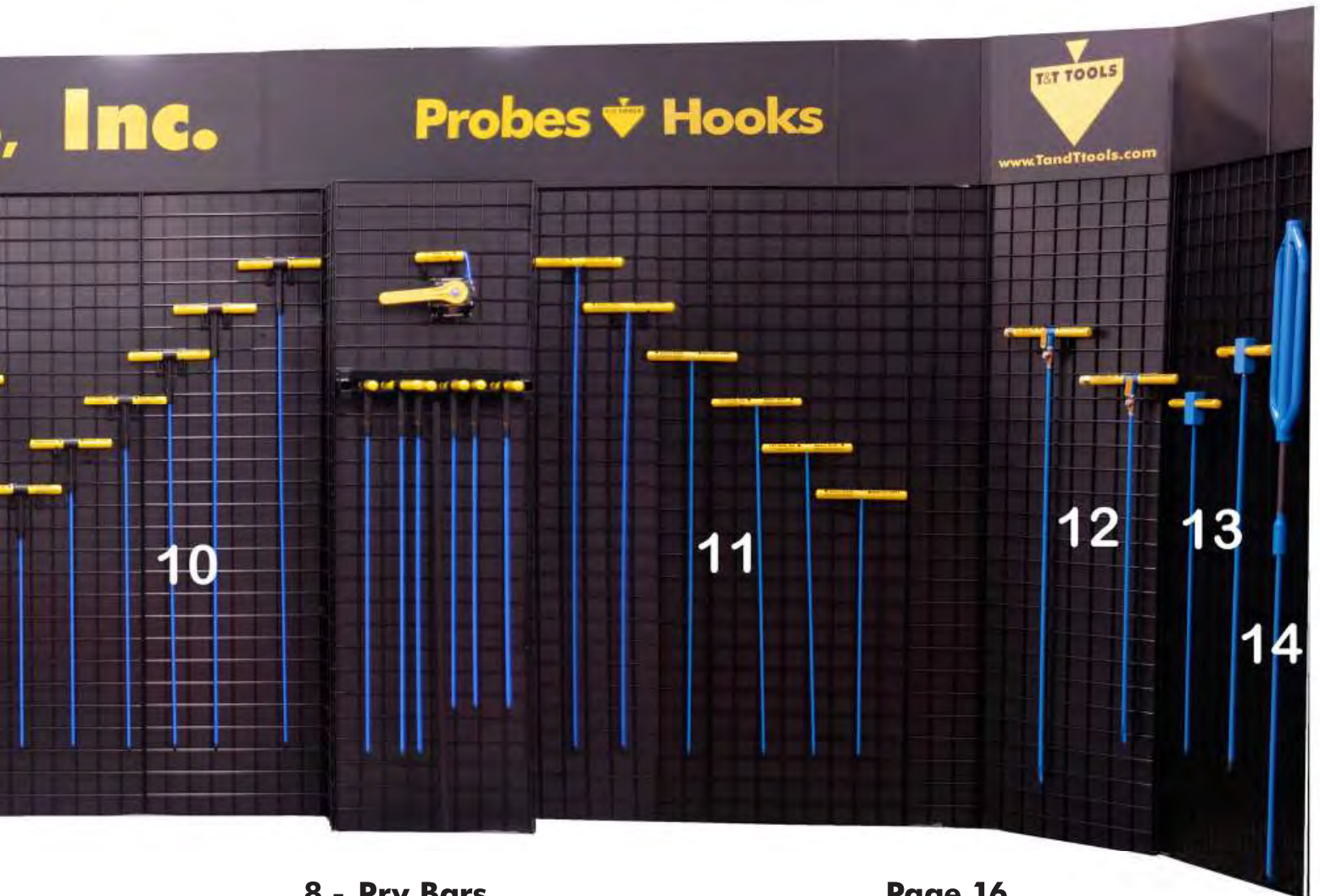


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DLS

Specializing in the design,
manufacture and sale
of sub-surface hand tools



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Top Popper™ Manhole Hook



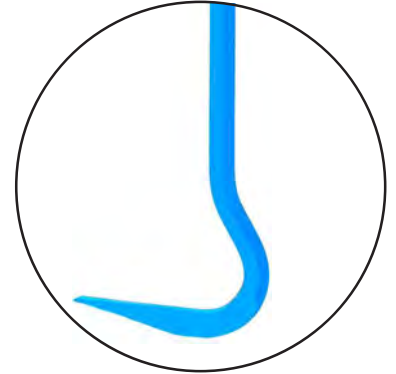
In-line Handle



Rotated Handle

Specially Designed Heat Treated Hook

The Top Popper design features a unique tapered end. This end is narrow enough to enter many small openings. It has a special rocker design that makes “popping” covers easier.



The oversized handle provides ample space for a solid grip even while wearing gloves.

The Top Popper™ is heat treated

Heat treating the Top Popper increases the strength of the hook, creating a durable, long lasting tool while reducing the chance of bending. This is a process often omitted by others in an effort to cut costs.

Size: 24”, 30” or 36” lengths for safe and proper lifting.

Top Popper™ features:

Material:

- 5/8” hex alloy steel
- Heat treated for durability
- Resists bending and flexing
- Bright color, easy to see

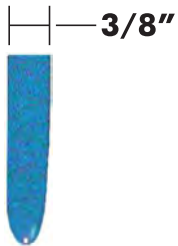
Handle:

- Oversized “D” handle for gloved hand
- In-line handle (Lays on the ground flat)

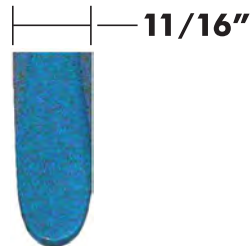
- Rotated handle offers improved ergonomics (Does not lay flat on the ground)

Tip:

- Forged tip for inserting in small openings
- Special rocker head provides additional leverage for “popping” open even the most difficult covers



Top Popper



Manhole Hook

Tip Width (approximate)

| Handle Type | Overall length | | | Price |
|------------------------------|----------------|---------|---------|-------------|
| | 24" | 30" | 36" | |
| Inline (Lays flat) | TPOP24L | TPOP30L | TPOP36L | \$40 |
| Rotated | TPOP24R | TPOP30R | TPOP36R | \$40 |



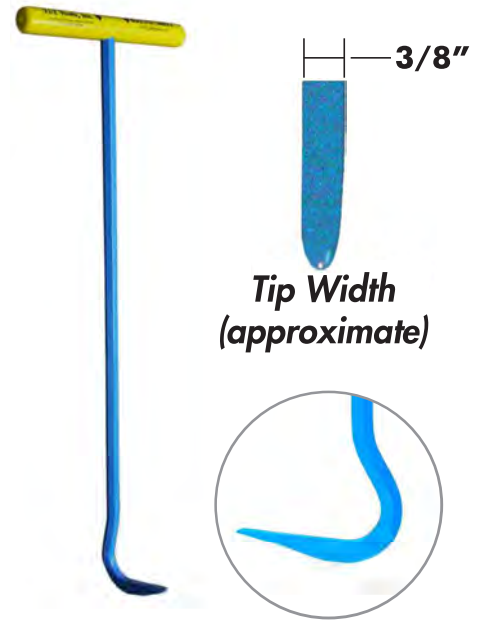
T-Handle Heat Treated Hook

The Dual Grip Popper is a T-Handle hook design that integrates the high strength of a heat treated hex shaft with the comfort of a two-handed grip.

The T-Handle allows a user to place both hands securely on the hook when removing heavy covers. This allows a better, more natural pulling posture.

The 5/8" hex shaft is heat treated, creating a durable, long lasting tool that won't bend easily. The working end is designed to fit in a variety of openings. (See the Top Popper for a similarly designed tool with a "D" handle)

| | Overall length | | | Price |
|----------------|----------------|-------|-------|-------------|
| | 24" | 30" | 36" | |
| Rotated | DGP24 | DGP30 | DGP36 | \$48 |

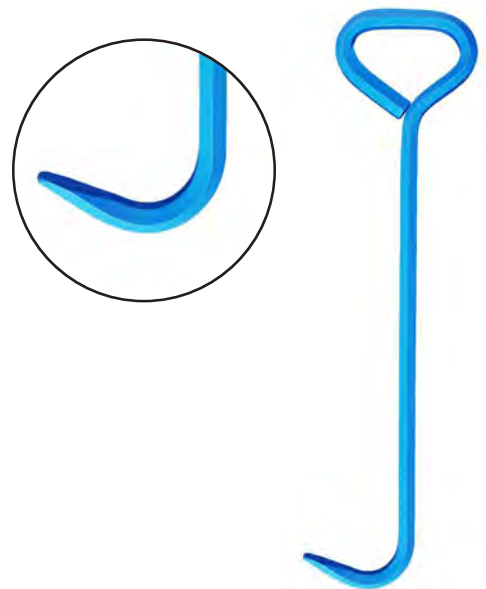


Traditional Manhole Hook

Traditional Style Heat Treated Hook

The in-line "D" handle and rigid shank offer versatility in handling multiple tasks safely. The Manhole Hook is our original hook. Please refer to our Top Poppers (pg 11) for our newly designed manhole hooks.

Size: 24", 30" or 36" lengths for safe and proper lifting.



Traditional Manhole Hook features:

Material:

- 5/8" hex alloy steel
- Heat treated for durability
- Resists bending and flexing
- Bright color, easy to see

Handle:

- Oversized "D" handle for gloved hand

Tip:

- Original style beveled hook

| | Overall length | | | Price |
|---------------|----------------|------|------|-------------|
| | 24" | 30" | 36" | |
| Inline | MH24 | MH30 | MH36 | \$35 |



Chisel Popper™



Heat Treated Hook

The chisel style end is used for prying and popping where extra leverage is needed.

Chisel Popper features:

Material:

- 5/8" hex alloy steel
- Heat treated for durability
- Resists bending and flexing
- Bright color, easy to use

| | Overall length | Price |
|---------------|----------------|-------|
| Chisel Popper | 36" | \$40 |
| | CHP36 | |

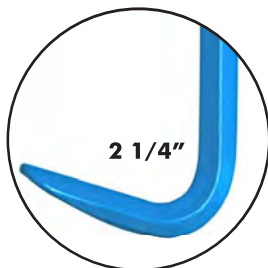
Snub Nose Hook™



Snub Nose Short



Snub Nose Long



Heat Treated Hook

This hook is designed to fit where other hooks are too big. It is an effective solution for the simple holes found in manhole covers, or for manhole covers that have cut outs with a bar across them.

Size: 30" or 36" lengths for safe and proper lifting.

Snub Nose™ features:

Material:

- 9/16" hex alloy steel
- Heat treated for durability
- Resists bending and flexing
- Bright color, easy to see

| Hook Type | Overall length | | Price |
|-----------|----------------|--------|-------|
| | 30" | 36" | |
| Short | SNB30S | SNB36S | \$39 |
| Long | SNB30L | SNB36L | \$39 |



Multi-Purpose Hook

Handy Hooks are a multi-purpose, back saving tool designed for those hard-to-reach lifting jobs:

- Opening handhole covers (HL30P recommended)
- Lifting riser covers
- Lifting septic tank lids
- Lifting access hatches and grates
- Pulling skids in trucks
- Moving portable toilets

The 3/8" Standard Duty Handy Hooks are recommended for light to moderate loads. The 1/2" Heavy Duty Handy Hooks are used for the same or even heavier loads.

The **single hook** end is a general purpose hook that is the most versatile of the three styles.

The **pump hook** end is a deeper hook style which better secures the item being lifted and is great for opening handhole covers.

The **double hook** end provides stability while lifting riser covers or septic tank lids.



Single Hook



Pump Hook



Double Hook

Handy Hook™ features:

Grips:

- Bright color, easy to see
- Comfortable, smooth, durable vinyl softens impact

Handle:

- 1" x 11" steel
- Big enough to grip with both hands even when wearing gloves

Shaft:

- Available in 3/8" and 1/2" round alloy steel
- Resists permanent bends
- Steel handle and shaft are threaded and welded to ensure a secure connection and alignment

3/8" Steel Standard Duty

| Hook Style | Overall length | | | | | Price |
|---------------|----------------|-------|-------|-------|-------|-------------|
| | 27" | 30" | 33" | 36" | 42" | |
| Pump | HL27P | HL30P | HL33P | HL36P | HL42P | \$35 |
| Single | | HL30S | | HL36S | HL42S | \$35 |
| Double | | HL30D | | HL36D | HL42D | \$35 |

1/2" Steel Heavy Duty

| Hook Style | Overall length | | | Price |
|---------------|----------------|-------|-------|-------------|
| | 30" | 36" | 42" | |
| Pump | HH30P | HH36P | HH42P | \$38 |
| Single | HH30S | HH36S | HH42S | \$38 |
| Double | HH30D | HH36D | HH42D | \$38 |

3/8" STAINLESS Steel Standard Duty

| Hook Style | Overall length | Price |
|-------------|----------------|-------------|
| | 16" | |
| Pump | HLS16P | \$35 |



PFO Hook™



Pump Hook



Single Hook



Double Hook

Pump, Filter, and “Other Things” Hook

The PFO Hook raises and lowers pumps, filters, and other items into and out of hard to reach places such as lift stations. This hook can be used during service work or testing. It can hook onto and raise pump floats, activating the pump and evacuating the lift station.

Two integrating handles make this hook easy to manage when reaching deep down into an opening. The second handle allows the operator to maintain good lifting leverage.

Three different ends are available. The pump hook end is designed to hold pumps securely while lifting. The single and double hook ends can be used to extract filters or other items.

| Hook Style | Overall length | | Price |
|------------|----------------|--|-------|
| | 72" | | |
| Pump | PFO72P | | \$52 |
| Single | PFO72S | | \$52 |
| Double | PFO72D | | \$52 |

PFO Hook™ features:

Highlights:

- 3/8” round, high strength steel alloy
- Resists permanent bending
- 72” long
- Two handles for ease of use and better leverage when removing items from deep pits, holes, trenches, or lift stations.

Filter Hook



Hook for Filters and Grates

The Filter Hook allows you to reach down risers to hook a filter and remove it for easy replacement. This hook is great for grabbing and dragging grates and accessing tight spaces.

Filter Hook features:

Highlights:

- 3/8” round, high strength steel alloy
- Resists permanent bending
- 36” or 72” long
- Lays flat
- Inside hook width: 3/4”
- Small leg length: 3/4”

| Filter Hook | Overall length | | Price |
|-------------|----------------|------|-------|
| | 36" | 72" | |
| | FH36 | FH72 | \$37 |



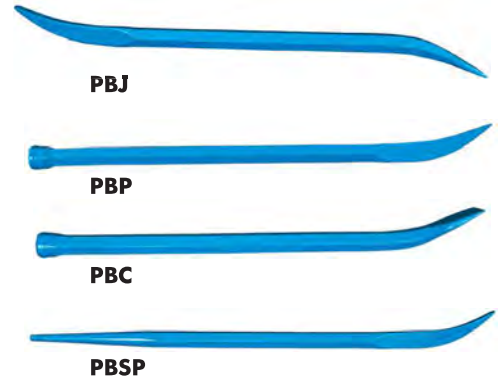
Heat Treated Pry Bars

Stop using screwdrivers for prying! Use a tool designed for the job!

The PBP and PBC feature a head designed for striking with a hammer and come with either a “pick” end or a “chisel” end.

The PBJ is available with both the “pick” and “chisel” ends for added versatility.

The PBSP adds a long tapered spike end to the pry bar mix. This is effective for placing in holes and prying.



Pry Bars™ features:

Highlights:

- A long, narrow “pick” end allows access to small holes and provides leverage when lifting lids
- A flat, wide “chisel” end allows you to get between the lid and tank, providing a wider surface for effective prying

Material:

- 5/8” hex alloy steel
- Heat treated for durability
- Resists bending and flexing
- Bright color, easy to see

| | Overall length | | | | Price |
|----------|----------------|-----|-----|------|-------------|
| | 18” | 16” | 15” | 19” | |
| Pry Bars | PBJ | PBP | PBC | PBSP | \$30 |

Tommy Hook™

Heat Treated Hook

A compact and useful tool designed for those working with services, utilities and sewers. The design opens many styles of covers and is easy to use.

Tommy Hook™ features:

Material:

- 5/8” hex alloy steel
- Heat treated for durability
- Short length provides rigidity
- Resists bending and flexing
- Bright color, easy to see

Ends:

- Turned shank for round openings
- Beveled hook for standard openings

Size:

- Short enough to store in tool boxes, car trunks, and truck cabs



| | Overall length | Price |
|------------|----------------|-------------|
| | 21” | |
| Tommy Hook | TH | \$30 |



Ball Valve Handle



Handle only - Ball Valve not included

| | Item | Price |
|-----------------------------------|----------|-------------|
| 2" - 4 Bolt | BVH2-4 | \$25 |
| 2" - 4 Bolt (full port) | BVH2-4FP | \$25 |
| 2" - 6 Bolt | BVH2-6 | \$25 |
| 3" - 6 Bolt | BVH3-6 | \$25 |

The vinyl gripped Ball Valve Handle is designed to hold a ball valve steady. It enables the operator to grab, move, and position the pump hose with minimal efforts.

Ball Valve Handle features:

Highlights:

- Easier handling of hoses
- Add leverage to open and close ball valve
- 5.5" long handle

Material:

- Laser cut steel
- Welded construction

Size:

- 2" and 3" for different size ball valves

Bale Hook



This general purpose hook is great for grabbing sewer grates, tree roots, chains, or even bales of hay, cotton or wool. It is useful for any item that needs to be hooked, dragged, or lifted.

Bale Hook features:

Handle:

- 1" diameter
- 9" long
- Vinyl grips for comfort

Dimensions:

- 4" front to back
- 8" top of grip to bottom

Hook:

- High strength 3/8" round shaft
- Sharp point allows for easy piercing
- Large hook for secure hold



| | Overall length | Price |
|------------------|----------------|-------------|
| Bale Hook | 8" HL8B | \$30 |

Skimmer Rake™

The Skimmer Rake is specifically designed for moving floating scum, foam, and other debris found in sewage treatment plants. It is constructed from a strong, lightweight aluminum. Optional 1 3/8" poles are available in a 6' length. The poles can be combined.

Skimmer Rake™ features:

Material:

- 12 gauge aluminum (0.080")
- High strength
- Hardened material
- Durable anodized finish



| | <i>Item</i> | <i>Price</i> |
|---|-------------|--------------|
| 6ft Pole | POL72 | \$39 |
| 6ft Pole <small>(with grip)</small> | POL72G | \$39 |

| | <i>Overall length</i> | | <i>Price</i> |
|---------------------|-----------------------|-------|--------------|
| | 30" | 36" | |
| Skimmer Head | SKA30 | SKA36 | \$130 |



Rudy Tool™

The Rudy Tool lifting device is designed to remove cast-iron valve box covers and lids. With safety in mind, it eliminates the need for prolonged bending or getting on your hands and knees to pry the lids off. Let the handle do the work. The scissors-style lifter removes and reinstalls the lids while standing in a safe, upright position.

Size: 23.5" Overall



| | <i>Item</i> | <i>Price</i> |
|------------------|-------------|--------------|
| Rudy Tool | RT | \$35 |



Rods/Couplers

Extensions or Replacement Shafts

| Rod Type | Overall length | | | | | | | | Price |
|--|----------------|----------|----------|----------|----------|----------|----------|----------|-------------|
| | 30" | 36" | 42" | 48" | 54" | 60" | 66" | 72" | |
| 3/8" Round (Standard Rod - SR) | TPR30 | TPR36 | TPR42 | TPR48 | TPR54 | TPR60 | TPR66 | TPR72 | \$33 |
| 3/8" Hex (20% stiffer than SR) | TPR30-X | TPR36-X | TPR42-X | TPR48-X | TPR54-X | TPR60-X | TPR66-X | TPR72-X | \$38 |
| 7/16" Hex (2X as stiff as SR) | TPR30-X7 | TPR36-X7 | TPR42-X7 | TPR48-X7 | TPR54-X7 | TPR60-X7 | TPR66-X7 | TPR72-X7 | \$41 |
| 1/2" Round | | HPR36 | HPR42 | HPR48 | HPR54 | HPR60 | | | \$37 |

Probes - Acceptable Replacement Types

| | 3/8 Round | 3/8 Hex | 7/16 Hex | 1/2 Round |
|-----------------------------|-----------|---------|----------|-----------|
| Mighty Probe | X | X | X | |
| Smart Stick | X | X | X | |
| Striking Head Std Duty | X | | | |
| Striking Head Heavy Duty | | | | X |
| Hammer Probe | | | | X |

NOTE:

- Place a small amount of "Never Seize" or similar grease on the threads to ensure the future removal of the tips, couplers, and handles.
- Tighten rod securely with pliers or place in vice and turn handle until it's tight.

Couplers

A coupler is required to connect each extension shaft to your existing probe. All couplers are counter-bored and heat treated.



The C1-R is made from round stock.



The C1-X is made from hex stock allowing it to be tightened with a wrench.



The C2 is made from round stock with flats allowing it to be tightened with a wrench.

Item Price

| | | |
|-----------------------------|------|-------------|
| 3/8" Rod Coupler | C1-R | \$9 |
| 3/8" Rod Hex Coupler | C1-X | \$10 |
| 1/2" Rod Coupler | C2 | \$21 |

Coupler and Rod Cross-Reference

| | 3/8 Round | 3/8 Hex | 7/16 Hex | 1/2 Round |
|------|-----------|---------|----------|-----------|
| C1-R | X | X | X | |
| C1-X | X | X | X | |
| C2 | | | | X |



Replacement Tips

Heat Treated Tips

The tips are made of high strength alloy steel and are heat treated for added durability. Tapered edges make penetration and withdrawal easier.

The ball nose tip has a slightly rounded nose for delicate probing operations such as: gas transmission lines, water lines, and other utilities.

Standard 3/8"

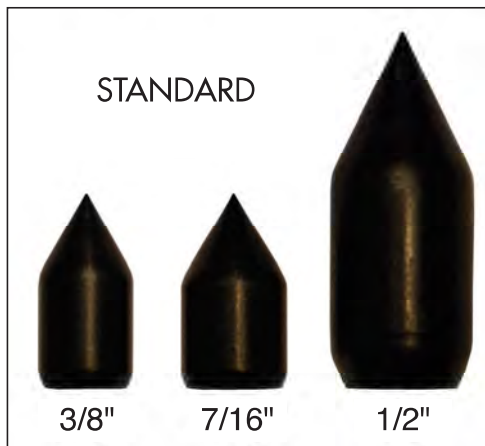
| Size | Item | Price |
|------|-------|---------|
| 3pk | TPT3 | \$17.00 |
| 6pk | TPT6 | \$34.00 |
| 9pk | TPT9 | \$51.00 |
| 12pk | TPT12 | \$68.00 |

Standard 7/16"

| Size | Item | Price |
|------|-------|---------|
| 3pk | NPT3 | \$17.00 |
| 6pk | NPT6 | \$34.00 |
| 9pk | NPT9 | \$51.00 |
| 12pk | NPT12 | \$68.00 |

Standard 1/2"

| Size | Item | Price |
|------|-------|----------|
| 3pk | HPT3 | \$25.00 |
| 6pk | HPT6 | \$50.00 |
| 9pk | HPT9 | \$75.00 |
| 12pk | HPT12 | \$100.00 |



Ball Nose 3/8"

| Size | Item | Price |
|------|--------|---------|
| 3pk | TPTB3 | \$17.00 |
| 6pk | TPTB6 | \$34.00 |
| 9pk | TPTB9 | \$51.00 |
| 12pk | TPTB12 | \$68.00 |

Ball Nose 7/16"

| Size | Item | Price |
|------|--------|---------|
| 3pk | NPTB3 | \$17.00 |
| 6pk | NPTB6 | \$34.00 |
| 9pk | NPTB9 | \$51.00 |
| 12pk | NPTB12 | \$68.00 |

Ball Nose 1/2"

| Size | Item | Price |
|------|--------|----------|
| 3pk | HPTB3 | \$25.00 |
| 6pk | HPTB6 | \$50.00 |
| 9pk | HPTB9 | \$75.00 |
| 12pk | HPTB12 | \$100.00 |

Use 3/8" tips with these probes:

- Mighty Probe
- Smart Stick
- Striking Head Standard Duty

Use 7/16" tips with these probes:

- Mighty Probe with 7/16" hex
- Smart Stick with 7/16" hex

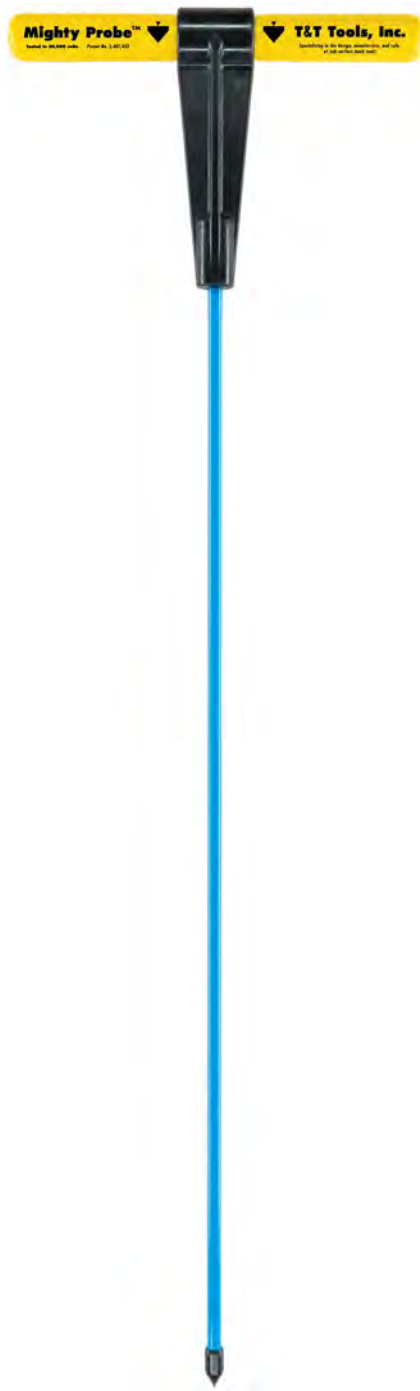
Use 1/2" tips with these probes:

- Hammer Probe
- Striking Head Heavy Duty

NOTE:

- Place a small amount of "Never Seize" or similar grease on the threads.
- Tighten tip securely with pliers or place in vice and turn handle until it's tight.





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