

## GPS Antenna Tripods



Features a two meter collapsible center staff with twist locking mechanism that rotates 360 degrees to check calibration of plumbing with 10 minute vial, a removable 5/8 x 11 adapter and an onboard compass. Tripod legs and the pole are electrostatically powder painted and include replaceable points. Legs have quick release and twist lock mechanisms. Dual graduated and adjusts to three heights – 2m, 1.8m and 1.5m. Collapses to 50". Aluminum hardware is anodized black. Weighs 15 lbs.



	<b>SALE</b>
<b>85511900</b> Graduated Collapsible Tripod .....	<b>\$797.95</b>
<b>85815400</b> GPS Antenna Tripod Bag .....	<b>\$ 75.95</b>
<b>511910FLY</b> Heavy Duty Collapsible Tripod .....	<b>\$874.95</b>
<b>8154120RG</b> Heavy Duty GPS Antenna Tripod Bag .....	<b>\$ 98.95</b>

## Fiberglass Pole Extension

Has 5/8 x 11 female threads on the bottom and 5/8 x 11 male threads on the top to allow more added sections.



<b>513010</b> Fiberglass Pole extension (OD 1.25") 0.200m .....	<b>SALE \$ 39.95</b>
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## GPS Rover Rod Wheel

Wheel ideally suited for RTK profiling. Keeps the rover rod on the surface that you are measuring. Go over obstacles, etc.



<b>5125056</b> 20" GPS Rover Rod Big Wheel .....	<b>SALE \$162.95</b>
<i>(Requires top section of pole)</i>	

## Magnetic Mounts

Easy to use magnetic mount system adapters.



<b>85511401</b> Triple Mag Mount .....	<b>SALE \$247.50</b>
<b>855114050</b> Single mag mount .....	<b>SALE \$ 57.50</b>

## GPS Truck Door Bracket

This new bracket holds the GPS Pole to the door of your survey truck. Easy on and off non-damaging mount. Fits all midsize to full size trucks and SUVs. Door will open and close with bracket attached to the door. Holds all RTK and GPS type poles.

Great for checking grade, Topos, estimating RTK, surveying and site preparation.



<b>511420FOR</b> Seco Truck Door Bracket...	<b>SALE \$598.98</b>
<i>Std color Orange, Available in Yellow and Flo Yellow on request</i>	

## Snap-Lock Rover Rods

Rod features a one piece design and two locking systems for stability. The snap lock prevents slippage and the compression lock centers the telescopic inner pole and maintains straightness. Come with 40 minute vial.



<b>512520FLYGT</b> Aluminum w/graduated outer pole in 10ths...	<b>SALE \$135.75</b>
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<b>512520FLYGM</b> Same as GT except Metric graduations...	<b>SALE \$135.75</b>
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<b>512520FLY</b> same as GT except not graduated .....	<b>SALE \$126.95</b>
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<b>512820</b> Carbon Fiber – not graduated .....	<b>SALE \$329.00</b>
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## Heavy Duty 2 Meter Snap-Lock System Bag

Bag holds a 2 meter Snap-Lock Pole and bipod or tripod connected. Made of tough Cordura material and Rhinotek ends. Full length zipper, full length shoulder strap and side pocket. Inside dimensions - 5.5" x 56"

<b>815102FLY</b> Heavy Duty 2 Meter Snap-Lock Bag .....	<b>SALE \$ 75.95</b>
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## GPS Rover Rods

Two meter rover rod. Has 40 minute circular vial, handgrip and replaceable steel point. Have 5/8 x 11 male tip.

<b>85512500</b> Aluminum .....	<b>SALE \$ 98.95</b>
<b>85512800</b> Carbon Fiber Rover Rod .....	<b>SALE \$287.50</b>

## Cell Phone Pole Case

Secures your cell phone to any GPS survey pole. With its grippy Toughtek and straps, this pouch will not slip. Inside dimensions are 5 x 2.5 x 1.5 inches. Flo Yellow in color.



<b>814322FLY</b> Cell Phone Pole Case	<b>SALE \$13.95</b>
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## GPS Rover Rod Hard Shell Case

Stores 2 piece rover rod in this hard shell case. Inside Dimensions – 4 x 41 inches

<b>816220BLK</b> Hard Shell Rover Rod Case .....	<b>SALE \$ 86.95</b>
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See page 62 for additional GPS Poles / Tripods / Accessories



60ALQR20

## Quick Clamp Aluminum Tripods by **CST**

### Features:

- Lightweight and durable aluminum hinge, clamp and shoe castings
- Hinges are attached with screws, not rivets
- Heavy-duty poly-webbing shoulder strap
- Electrostatically powder painted castings for a durable and long-lasting finish



For the discriminating user, CST's quick clamping tripods offer the best clamping system available: sure locking, quick action, easy to use. All feature adjustable clamping tension.

### Aluminum

The price is Right! Our aluminum tripod has value written all over it. Only 9 lbs., this tripod is stronger and more rigid than comparable tripods. This aluminum tripod is available with a variety of thread sizes. Call for other thread sizes.

**60ALQCI20** 63" (160cm) open, 38" (97cm) closed, 5/8 x 11 thread, flat head ..... **SALE \$ 72.50**

### Quick Clamp Heavy Gauge Aluminum Tripods by CST

Lightweight, heavy gauge aluminum and the added stability of double banded legs put this extension leg tripod "head and shoulders" above other aluminum tripods. Outstanding features include positive locking clamps, powder painted wear-resistant metal parts and shoulder strap.

**60ALQR20** 65" (165cm) open, 42" (107cm) closed, 5/8x11 thread, flat head, 12 lb. .... **SALE \$114.95**



60WDF20

## Quick Clamp Wood/Fiberglass Tripods by **CST**

An outstanding combination of hard maple legs with fiberglass dowels makes this the most versatile tripod on the market. CST's fiberglass dowels are unique due to their structural plastic polystyrene core, and will not shrink or swell under changing weather or temperature conditions. Features powder painted metal parts, double banded extension legs for extra stability, and shoulder strap.

**60WDF20** 72" (183cm) open, 42" (107cm) closed, 5/8x11 thread, flat head, 16 lb. .... **SALE \$154.95**

## Heavy Duty, Extra Tall, Fiberglass Elevator Tripod

### Use with lasers, scanners, machine control or other instruments.

Tripod has a fully extended leg height of 12.40 feet and a collapsed height of 5.97 feet. The legs and dowels are constructed of fiberglass for durability, strength and resistance to weathering. It features an adjustable center column that gives you 5.97 of lift. Detachable round head plate with a 5/8 x 11 stud gives instrument a sturdy platform. Lockable leg stabilizer struts, dual clamps, twist locks and quick clamps, along with dual metal and rubber leg points to create greater stability. Leg strap included. Weighs 33.1 lbs.

**5321170RG** Heavy Duty, Extra Tall, Fiberglass Elevator Tripod... **SALE \$329.50**



5321170RG

## Tripod Hook Brackets for Data Collectors

SECO solutions to secure your Data Collector to a tripod. Include instructions and a tool to install.

519614



- 519614** For Ranger 300/500X, TSC2 ..... **SALE \$18.95**
- 519615** For Recon ..... **SALE \$16.95**
- 519617** For Nomad ..... **SALE \$24.95**
- 519618** For TSC3/Ranger 3 ..... **SALE \$24.95**

## Tripod Accessories

### SECO Tripod Stabilizer

Designed for use when working indoors or on concrete to provide extra stability. Made of heavy duty aluminum and measures 35" x 35" x 35". Collapses for compact storage

**561000** Tripod Stabilizer. .... **SALE \$ 92.95**



### Heavy Duty Prism Pole Bipod/Tripod Bag

The prism pole tripod hold a prism pole with either a tripod or bipod attached. The bag is 60 inches long/7.5 inch diameter and has a fold over flap and is made from sturdy nylon Cordura® with Rhinotek™ material for extra wear capability.

**8180200RG** Hvy Dty Prism Pole Tripod Bag .... **SALE \$ 47.95**



8180200RG

### Heavy Duty Tripod Bag

This heavy duty bag holds all major brands of aluminum or wood/wood-fiber tripods. Made of heavy duty nylon Cordura® and has a Rhinotek™ bottom with pull strings at the top.

**8150200RG** Hvy Dty Instrument Tripod Bag. .... **SALE \$ 55.80**



8150200RG

## SECO Tripod Adapters

- 212000** Adapts 3 1/2 x 8 tripod to 5/8 x 11 ..... **SALE \$ 53.95**
- 213000** Adapts 5/8 x 11 tripod to 3 1/2 x 8 ..... **SALE \$ 49.95**



212000



213000

**Wood Fiberglass Tripod**

These Wood/Fiberglass Tripods are built with quality hardwood and fiberglass materials. An excellent buy for a quality product. Extended length is 72", collapses to 43" flat head.

**22217**

Quick Clamp locking system  
**SALE \$121.00**

**BEST SELLER**



**High Performance Aluminum Tripods**

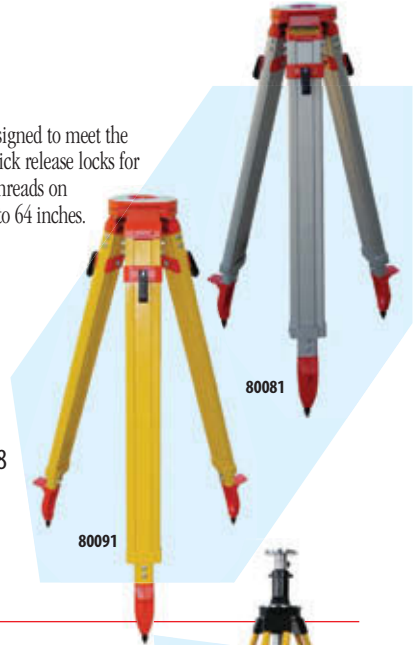
High Performance Aluminum tripods designed to meet the needs of the professionals. Adjustable, quick release locks for the telescoping legs. Flat head 5/8 X 11 threads on tripods. Collapse to 38 inches and extend to 64 inches.

**80081**

NAT81 Flat Head Alum.  
Tripod 5/8 X 11 Heavy Duty  
List \$120.00 **SALE \$ 83.50**

**80091**

NAT91 Flat Head Alum. Tripod 5/8 X 11 Heavy Duty (Powdered Coated Yellow for Max Visibility)  
List \$129.00 **SALE \$ 87.50**



**TRI-MAX® Composite Tripod**

The revolutionary Tri-Max tripod, stands alone in meeting today's demanding stability requirements. Tests have confirmed that the Tri-Max, in many cases has proven to be many times more stable than conventional tripods and retains this stability without frequent adjustments. Made from ultra modern materials, an advanced fiberglass composite, the Tri-Max is built to last. Can handle equipment up to 65 lbs.

Features a large, round tripod head and large opening for plummeting purposes and MORE!

Weighs 17 lbs. and is 44" collapsed while extending to 71". Wide frame extension leg. For additional information on this product and other Crain products not listed please contact us at your convenience.

**90550** Tri-Max Standard w/Quick Clamp lock system .....  
**SALE \$329.95**

**90553** Tri-Max Standard w/Dual lock system  
**SALE \$349.95**



**Tri-Max Fiberglass Elevator Tripod**

Features sturdy fiberglass legs with dual locks – a quick lever style at the top and a twist lock on the bottom. Built in stabilizing struts connect the legs and aluminum center column to maintain the stability of the tripod. 5/8 x 11 mounting head is removable and adjustable in the azimuth direction. Includes a stout gear box which controls lift and descent – the column cannot fall freely.

Collapses to 4.92 ft. and extends to 11.54 ft. w/ center column at full height. Center column lifts about 3.6 ft. Weighs 29 lbs.

**90556** Tri-Max Fiberglass Elevator Tripod  
**SALE \$647.95**



**SOKKIA Wide Frame Wood Tripod**

A quality wood tripod made from all North American hardwood maple with metal hardware. Featuring self adjusting hinges, durable nylon bushings for smooth operation, tripod shoes with large spurs; hardened steel replaceable tips, bright yellow color and cut in carry handle.

Close to 45 3/4" and opens to 72".

Weight is 14.5 lbs. and is wing nut clamp style.

**8751252** Wide frame wooden tripod...  
**SALE \$253.50**



**Aluminum Elevator Tripod**

Accommodates 5/8 x 11 instruments and is ideal for mounting laser, levels and standard total stations. Extends to 91.2 inches and has quick clamp locks. Weighs 16.3 lbs. and has black hardware.

**532116BLK**  
Aluminum Elevator Tripod  
List \$195.95 **SALE \$149.50**



**GT2000A Tripod**

The GT2000A is Dutch Hills premier survey tripod. It features a wide frame extension leg design, fiberglass legs that don't shrink and swell in changes of moisture, mechanically fastened parts for easy replacement. **FIVE YEAR warranty.** Weight is 13 lbs. Legs collapse to 44" and extends to 70.5".

**GT2000A** Wide frame extension leg tripod...  
**SALE \$297.50**



**Heavy Duty Tripod Bag**

This heavy duty bag holds all major brands of aluminum or wood/wood-fiber tripods. Made of heavy duty nylon Cordura® and has a Rhinotek™ bottom with pull strings at the top.

**815020ORG** Heavy Duty Instrument Tripod Bag... **SALE \$ 55.80**



## Ultralite™ Single Section Dual Grad Prism Pole

Features TIV Locking mechanism. Inner and outer poles are constructed of lightweight fiberglass – Inner is graduated in ft/100ths/centimeters. Includes a 40 minute adjustable vial and a patented Topo Boot®. Pole extends to 8.58 ft. and collapses to 5.10 ft. Weighs 1.95 lbs.

**554010TNL** 8.58' Ultralite™ Prism Pole . . . . . List \$169.95 **SALE \$134.95**

## 2-Section Dual Grad Carbon Fiber Pole – Robotics

Telescoping robotics pole is graduated to read direct for a 135 mm prism height. Carbon fiber and aluminum construction make these poles up to 30% lighter than similar poles. Telescopes to 11.8 ft. and collapses to 5.18 ft. Includes a 40 minute vial and pin locking every 0.50 ft. and dual grads imprinted on inner poles – ft/10ths/cm. Weighs 3.3 lbs.

**512972TNL** 11.8' Carbon Fiber Robotics Pole . . List \$347.95 **SALE \$312.95**

## Rover Rods

### 3-Position Aluminum Snap-lock Rover Rod

An ideal rod for GPS RTK surveys. Rod telescopes and you can lock at 3 different heights – 2 m, 1.8 m, 1.6 m and collapses to 1.343 m. includes 40 minute adjustable bubble and external 10ths graduations. Weight is just 2.3 lbs.

**512522TNLGT** 2.0 M 3- Position Aluminum Snap-Lock Rover Rod . . . . . List \$154.95 **SALE \$139.95**

### 3.5 M Fixed Tip GPS Rover Pole

Ideal for kinematic surveys. A zero H.T. Lightweight Carbon fiber composite and aluminum construction make the poles 30% lighter than similar prism poles. Pole uses the TIV™ lock, and contains a 40 minute vial on the lock. It locks every 20 cm mark starting at 1.8 m and extends to 3.5 m. The graduations are cm and 0.01 ft.. Weighs 3.3 lbs.

**512970TNL** 3.5 M Fixed Tip Rover Pole . . . . . List \$347.95 **SALE \$312.95**

### Original Thumb Release Bipod

Used to set up a free standing GPS antenna pole or prism pole. Fits 1 to 1.25" OD Poles. Attach via open clamp. Legs extend to 6 ft. and collapse to 43". Weighs 4.25 lbs./Carbon Fiber Bipod 3.7 lbs.

**521704TNL** Original Thumb Release Bipod. . . . . List \$167.95 **SALE \$141.95**

**521903TNL** Original Thumb Release Bipod – Carbon Fiber. . . . . List \$289.95 **SALE \$267.95**

**815102TNL** Heavy-Duty 2 Meter Snap Lock Pole System Bag (5.5" ID x 56", carry straps, shoulder strap – Cordura® w/Rhinotek on ends. . . . . List \$ 86.95 **SALE \$ 75.95**

### Heavy Duty GPS Antenna Tripod

Features a 6 inch round head which also easily hold lasers or robots. Center pole adjusts to 2, 1.8 and 1.5 meters and collapses to 139.7 cm (55 inches). Large telescoping legs feature adjustable handle bolts on the leg pivots for greater stability. Weighs 20 lbs.

**511910TNL** Heavy Duty GPS Antenna Tripod . . List \$874.95 **SALE \$829.95**

**815412TNL** Heavy Duty GPS Tripod Bag (Measures 8" ID x 56", Includes shoulder Strap and made of Cordura® w/Rhinotek™ on ends. . . . . List \$105.95 **SALE \$ 98.95**

## SECO Prism Pole Adjusting Jig

SECO Prism pole adjusting jig, convenient for adjusting and calibrating pole vials in the office. The adjusting jig features an 'L-Bracket' to rest the prism pole point on and the adjustable top piece.

**519501** Prism Pole Adjusting Jig. . . . . List \$ 49.95 **SALE \$ 43.75**



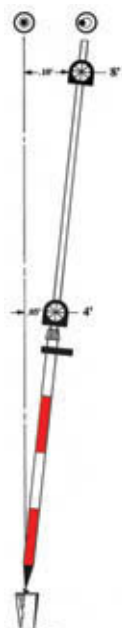
## True Plumb

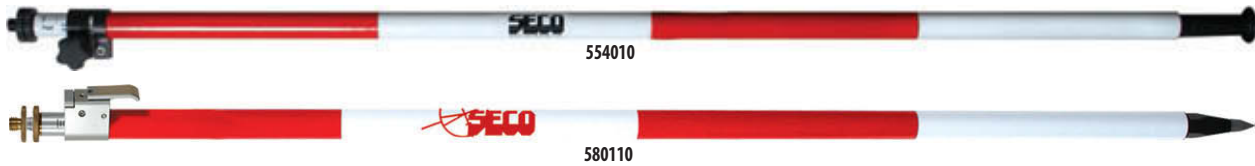
The True Plumb is an easy and accurate way to test and adjust your rod in seconds. Surveyors across the country have found the True Plumb to be an invaluable quality control device.

### Advantages of the True Plumb

- A compact, easy and convenient way to test and adjust rods in just seconds.
- Tests and adjusts all brands of prism rods – 5/8 x 11 standard/ Adaptor available for Wild rods.
- Also adjusts hand held level bubbles.
- With True Plumb, you can rotate your pole 360 degrees to check if it is bent.
- True Plumb is a two piece unit.
- Mount and use, no assembly required – Mounting screws enclosed.

**16TPL1000** True Plumb. . . **SALE \$187.50**





501001

519410



**The SECO Ultralite Prism Pole**

Poles are constructed of lightweight non-conductive fiberglass. Designed with twistlocks for ease of operation. Dual graduations in ft/100ths & cm. Package includes Crain's patented Topo Boot®, a 40 minute adjustable vial, soft touch knob and adjustable 5/8 x 11 tip.

- 554010 Extends to 8.58' and collapses to 5.10' . . . . . List \$169.95 **SALE \$134.95**
- 554020 Extends to 11.49' and collapses to 5.09' . . . . . List \$229.95 **SALE \$181.95**
- 554030 Extends to 15.27' and collapses to 5.43' . . . . . List \$339.95 **SALE \$262.95**

**Handheld Mini Rod**

**501001** The handheld mini rod features a height of 120 mm, 0.394 ft. It also features a 40-minute adjustable circular vial, replaceable point and a male 5/8 x 11 threaded stud. All aluminum construction. Weighs 0.4 lb.

List \$69.95 **SALE \$60.95**

**Center Punch Point**

This point configuration is ideal for fast, precise, layout marking on hard surfaces. Works with all poles or accessories with male 5/8 x 11 threads. Simply press down until it "clicks" and you have transferred your measured location to your measured surface. Leaves a small, but distinct center mark, same as the centerline of your pole or prism. Length is 0.472 ft.

**The SECO Quick Lever™ Prism Pole**

These telescoping poles with the new SECO QLV™ locking mechanism are easily the most user-friendly prism poles on the market. The 'positive locking' mechanism is fast and simple to use. It's also easy to service —simple screws adjust the bubble and lever tension.

- 580110 8.5-ft Quick Lever Lock/Dual Grad . . . . . List \$189.95 **SALE \$159.95**
- 580120 12-ft Quick Lever Lock/Dual Grad. . . . . List \$279.95 **SALE \$236.95**

- 519410 Center Punch Point . . . . . List \$79.95 **SALE \$74.95**
- 519410002 Replaceable Point . . . . . List \$19.95 **SALE \$18.49**

**SECO Tripods & Bi-pods for Prism Poles**

*Thumb release and open clamp head allows for quick setup and ease of use.*

85500120



85521730



85521715ABK



85521704FLY



Product	Description	List	SALE
85500120	Heads-Up Level . . . . .	\$ 79.95	<b>\$ 75.95</b>
85521704RED	Thumb Release Bi-pod RED Color extends to 6' weight 4lbs. . . . .	\$167.95	<b>\$141.95</b>
85521704FOR	Same as above except ORANGE Color . . . . .	\$167.95	<b>\$141.95</b>
85521704FLY	Same as above except Flo Yellow Color. . . . .	\$167.95	<b>\$141.95</b>
85521705RED	Thumb release "MINI" Bi-Pod red extends to 36", collapses to 25" Ideal for RTK and Robotic rovers. . . . .	\$167.95	<b>\$147.50</b>
85521715ABK	12" Bi-pod Ideal for Robotic Rover poles to lie on the ground . . . . .	\$ 51.95	<b>\$ 47.95</b>
85521730	SECO Bipod Leg Clip—clips to base of any 1.25" outside diameter prism or antenna pole. Snaps into place for convenient system transport or storage. . . . .	\$ 13.95	<b>\$ 12.95</b>
85521802RED	Thumb release Tripod red extends to 6' weight 5 lb . . . . .	\$184.95	<b>\$167.95</b>
85521903	Carbon Fiber Thumb Release Bipod. . . . .	\$289.95	<b>\$269.95</b>



85518000



85519000



85519100



85519200



85519400



85519403



519202

**SECO Accessories for Prism poles**

Product	Description	List	SALE
85518000	Double male adapter 5/8" x 11 . . . . .	\$16.50	<b>\$13.95</b>
85519000	Prism pole point hardened steel . . . . .	\$10.00	<b>\$ 8.35</b>
85519100	Topo shoe regular . . . . .	\$12.95	<b>\$11.95</b>
85519200	Topo shoe wide base 2.5" diameter . . . . .	\$24.95	<b>\$22.95</b>
85519400	Prism pole point w/ replacement point . . . . .	\$13.95	<b>\$12.95</b>
85519403	Lightweight Hex Prism Pole point w/ Replaceable Tip . . . . .	\$10.95	<b>\$ 9.50</b>
519202	Topo Shoe and Point Combo. . . . .	\$59.95	<b>\$53.95</b>
5194003	Tip only — removable sharp . . . . .	\$ 3.00	<b>\$ 1.95</b>

**Stedi-Rest**

- 91641 Stedi Rest. Fits all poles with a 1.25" diameter. Keeps poles out of mud, water etc. \$10.25 **\$ 9.25**



91641