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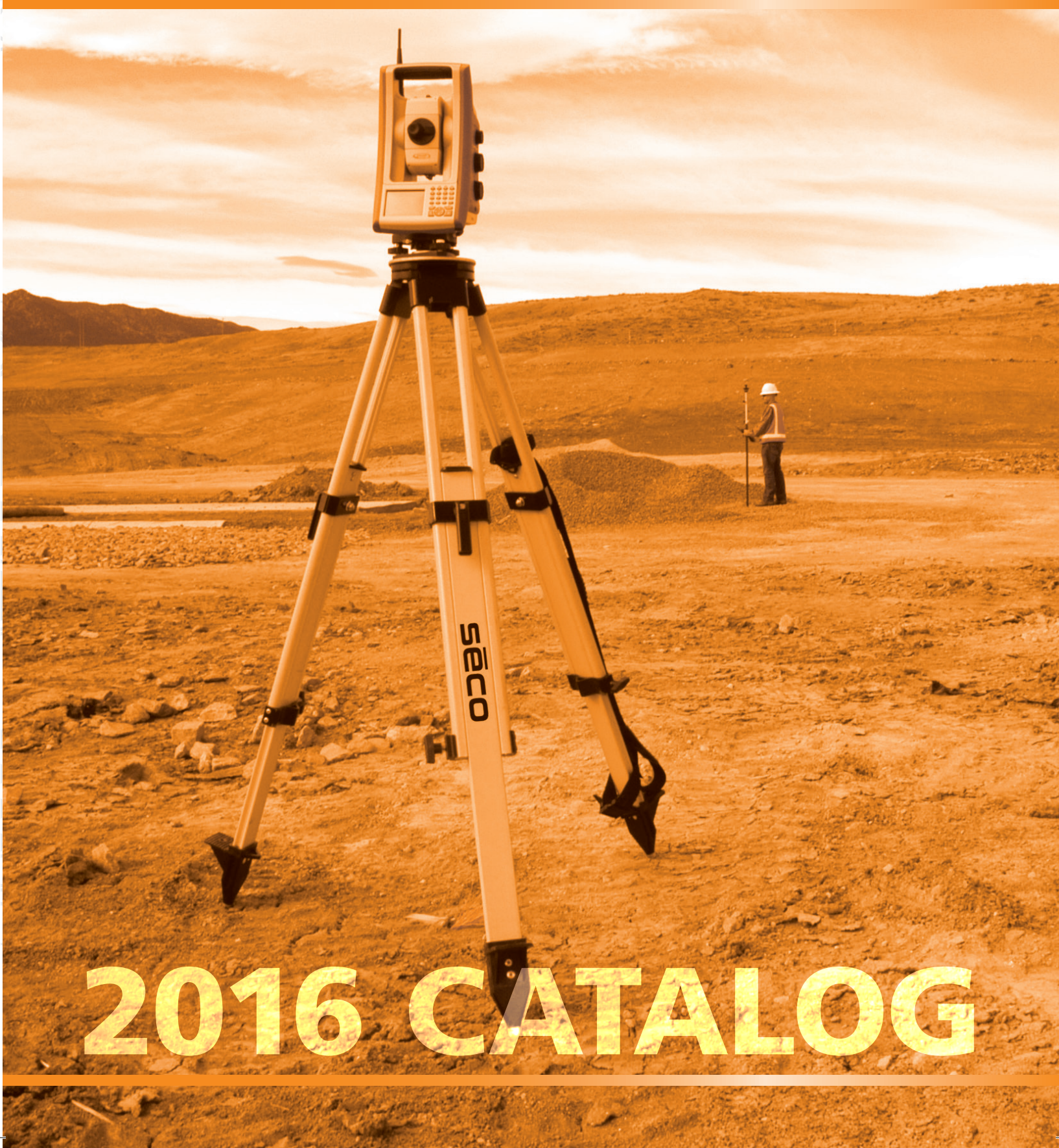
2016 CATALOG

Seco

New Products

HARD TRIPOD CASE WITH WHEELS (8160-31)

Fits all heavy-duty instrument tripods, collapsed to 47-inches (1.2 m) or less

TILTING MAGNETIC TOPO SHOE (5193-04)

Magnet has 40 pounds of pull force on 3/8-inch (9.5-mm) clean steel plate

60 MM ANTI-ROTATION QUICK RELEASE (5111-04)

Converts any 5/8 x 11 thread to a quick release

LASER RECEIVER CUT & FILL ROD (7310-13)

The Laser Receiver Cut & Fill Rod is perfect for Curb & Gutter and Grade Setting jobs

TRIPLE MAGNET MOUNT FOR THE TRIMBLE R10 (5114-10)

SECO's 5114-10 is an extra-tall magnet mount for use when attaching GNSS receivers with downward antennas (like the Trimble R10) to vehicles or other metal surfaces

GRADE/TRENCHING ROD – TENTHS (92090)

Two rods in one, a grade/trenching rod and a standard leveling rod

TERRAIN NAVIGATOR PRO (TNP) DESKTOP CLIENT AND TNP MOBILE MAPS SD CARDS

Mobile GPS positioning and data collection via smart phone with secure near real-time, cloud-based syncing to desktop

ALUMINUM SCREW-LOCK TRIPOD (5401-21-BLK)

Equipped with a 5/8 x 11 threaded adapter for convenient mounting of instruments

ADJUSTABLE DUAL PRISM (6603-03)

Holders can be stacked for more than two prisms or an GNSS Receiver can be connected on the top 5/8 x 11 stud for a GNSS measurement

TRIMBLE LEAP GNSS RECEIVER (2135-01)

GNSS Leap Kit includes; GNSS Receiver, phone mount, 5/8 x 11 pole mount, and USB charging cable (phone not included)

JUST INTRODUCED

POLE TRANSPORTER (5125-058)

Reduce your daily effort with this new product designed to save energy and effort in the field

PRISM (6603-05)

This new product is a new extended version of the 6600-02 25MM L-Bar Mini prism

BACK LIGHTED TARGET WITH THREE PHASES (6400-12-FOR)

Ideal for night surveys, forensics, tunneling, mining or any low-light situations.

Note on the Flags: All products are available worldwide. The US flag means that the product is shipped from the US warehouse only. The EU flag means that it can also be shipped from our European warehouse.

EVERYTHING YOU WANTED TO KNOW ABOUT QR CODES, BUT WERE AFRAID TO ASK

Quick Response Codes (QR codes) are a type of two-dimensional, matrix-style barcode. Using a camera and an app installed on a smartphone, iPhone or tablet, QR codes link to a web page designed to provide more information and show pictures or a video. Most smartphones or tablets contain pre-loaded QR code reader apps, and there are free ones available through most device's app stores (examples: Android Market, Apple App Store, etc.).
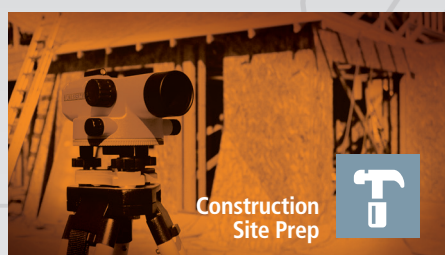
Land Surveying

GNSS

Construction Site Prep

Mining, Tunneling, Monitoring and Rail

Oil and Gas

Agriculture

GIS

SECO has a long tradition in the Land Surveying, GPS, and Construction accessories industry. Founded in California in the late 1940s, the company boasts over 70 years' experience and knowledge. This in-house expertise has allowed it to respond quickly to incorporate radical changes in improved instrument technology.

SECO enjoys a worldwide reputation for innovation and quality because it controls each phase of product manufacture. It maintains an on-site manufacturing facility featuring state-of-the-art equipment to make certain that all products are made to meet SECO's strict quality standards. SECO quality is so well recognized worldwide that many key surveying and construction manufacturers ask SECO to produce their own branded accessories. This has developed an important high-end OEM market, respected above the low cost / low quality manufacturers established in Asia. For years, the "Manufacturing by Seco" label has been recognized for quality that has never been surpassed.

SECO owns its three Americas based manufacturing facilities — a sewn products facility in Tecate, Mexico; a plastics and composites facility in Mound City, Illinois; and a machine shop for metallic parts in Redding, California. The sewn products facility is where the line of sewn goods, including soft cases, safety vests and many other sewn products are manufactured. The quality delivered by these local sewers is recognized as being one of the best in the world.

Plastic and composite products are manufactured at the Mound City, Illinois facility (previously named CRAIN company). The plastics process rapidly delivers low cost, high quality plastic components that are used in a wide variety of professional products.

At the Redding, California facility's machine shop, raw aluminum, brass, and stainless steel stocks are transformed into premium SECO parts.

In addition, in 2013, SECO acquired GeoDesy, a company based in Hungary (EMEA) that is well known for supplying the best high-end tribrachs in the survey and construction industries.

Precision manufacturing, quality focus, and skilled workmanship provide consistency to always meet and exceed customers' expectations. SECO's continued goal is to be the best accessories supplier for surveying and construction markets. This ongoing mission will ensure that investing in SECO brand products will remain the smartest investment for productivity and longevity in the field.

Standard and Heavy-Duty GNSS/MC Tripods

Large telescoping legs

FEATURES & BENEFITS

▶ 5119-00 version offers dual graduations, collapsible center staff with a screw clamp mechanism and includes removable 5/8 x 11 adapter, and an on-board compass

▶ Both GNSS tripods features 360° rotation and an 8-minute vial
▶ All aluminum hardware is anodized black for long life
▶ 5119-10 features large telescoping legs (1.25 to 1.5 inch diameters) feature adjustable handle bolts on the

leg pivots and a large 6-inch diameter round head which easily holds lasers or robots
▶ Both tripods feature extendable electrostatically powder painted legs and include replaceable points
▶ Level not included

Part No.
5119-10-FLY

PART NO.	LOCKING	HEIGHT	COLLAPSES	COLOR	WEIGHS	
5119-10-FLY	Screw Clamp	1.5, 1.8, 2 m	55 inches (1.4 m)	Flo Yellow	20.00 lb (9.07 kg)	
5119-10-YEL	Screw Clamp	1.5, 1.8, 2 m	55 inches (1.4 m)	Yellow	20.00 lb (9.07 kg)	
5119-00-FLY	Quick Clamp/Screw Clamp	1.5, 1.8, 2 m	50 inches (1.27 m)	Flo Yellow	15.00 lb (6.80 kg)	
5119-00-FOR	Quick Clamp/Screw Clamp	1.5, 1.8, 2 m	50 inches (1.27 m)	Flo Orange	15.00 lb (6.80 kg)	
5119-00-YEL	Quick Clamp/Screw Clamp	1.5, 1.8, 2 m	50 inches (1.27 m)	Yellow	15.00 lb (6.80 kg)	

Adjustable-Tilt Stainless Steel Adapters

Professional Stainless Steel CORS monument adapters

FEATURES & BENEFITS

▶ Adapters in the 2072-Series have 3.20-in (8.19-cm) diameters and overall heights of 3.036-in (7.71-cm)
▶ Adapters are leveled by three screws with a tilt range +/- 7°
▶ Includes a removable brass 5/8 x 11 male stud that is adjustable in azimuth and held in location by two set screws
▶ The axis height is engraved on the outside of the monuments

▶ Height above the pivot point to stud shoulder is 1.37-in (3.50-cm)
▶ Height below the brass 5/8 stud to shoulder is 0.463-in (1.18-cm
▶ The 2072-10 attaches to standard 2 inch threaded pipe used as 'mast' and made of anodized aluminum
▶ The 2072-20 installs by, drilling three 5/8-inch holes and fill with epoxy includes stainless steel
▶ 3/8 x 2-1/2-inch bolts and made of anodized aluminum

▶ Both 2072-10 and 2072-20 brass rotating adapters are removable and locks in the azimuth direction
▶ The 2072-50 permanently connects a GNSS antenna mount to a concrete structure
▶ The pipe threads measure 1.5 x 11.5 inches NPT and the overall height of the unit is 7 inches, including 3.5 inch length of pipe

Part No.
2072-30

2072-10

2072-20

2072-50

PART NO.	DESCRIPTION	WEIGHS	
2072-30	1.5-inch pipe with MPT 1-1/2 x 11-1/2 TPI	5.50 lb (2.50 kg)	
2072-31	2-inch pipe with MPT 2 x 11-1/2 TPI	6.60 lb (3.00 kg)	
2072-32	3-inch pipe with MPT 3-1/2 x 8 TPI	6.90 lb (3.10 kg)	
2072-33	Male 5/8 x 11 TPI	6.20 lb (2.80 kg)	
2072-050	40-minute leveling vial for checking adapters	0.30 lb (0.14 kg)	
2072-10	2 inch Pipe Mount Monument Adapter	2.00 lb (0.91 kg)	
2072-20	Masonry Monument Adapter	1.40 lb (0.61 kg)	
2072-50	Stainless Steel Pipe Thread Masonry Adapter	1.80 lb (0.82 kg)	

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GNSS Antenna Platform

Stable platform, perfect for temporary placement

FEATURES & BENEFITS

▶ Platform creates a very stable setup using standard cinder blocks (not included) as weights - sand bags may also be used

▶ Ideal for network reference station installers who want to evaluate a site for multi-path before committing to the installation

▶ Does not need any permanent attachment to the building
▶ Removable 5/8 x 11 adapter
▶ May add sections for more height
▶ 36-inches (91.44-cm) long with standard pipe threads
▶ Sections hold 8 x 16-in (20.3 x
▶ 40.6-cm) cinder blocks

▶ Folds up for portability and includes tools and a system carrying bag
▶ Weighs (without blocks) 25 lb (11.34 kg)

Part No.
2072-40

2072-40 — GNSS Antenna Platform

10 Meter RTK
Radio Antenna Pole

Achieve height safely and securely

FEATURES & BENEFITS

Contains:
  • 1 x 10-m telescopic pole
  • 1 x bottom point
  • 2 x guy rings
  • 4 x 30-ft ratcheting rope with quick snaps
  • 4 x 40-ft ratcheting rope with quick snaps

  • 4 x Velcro straps for cable management
  • 1 x rope bag
▶ Designed to hold a standard radio antenna at up to 10 meters, extending your RTK range

▶ Features non-conductive strong fiberglass telescoping tube sections for ease of use and safety
▶ Complete kit weighs 13 lb (5.90 kg)

Part No.
90036

90035 — 10 Meter RTK Pole (Pole Only)
90036 — 10 Meter RTK Radio Antenna Kit

Magnet Kit for
Bipod Legs

Simple and secure set-up for any ferrous metal surfaces

FEATURES & BENEFITS

▶ This kit allows fast secure connection to metal surfaces
▶ Open clamp design permits easy on/off of bipod legs

▶ Magnets feature an on/off switch making positioning easy
▶ Can be used on any "ferrous" metal surfaces

▶ Includes two magnetic clamp units, and kit bag
▶ Kit weighs 5.00 lb (2.27 kg)

5114-055 — Magnet Kit for Bipod Legs

Wall Mount Bracket

Simple and secure set-up for any ferrous metal surfaces
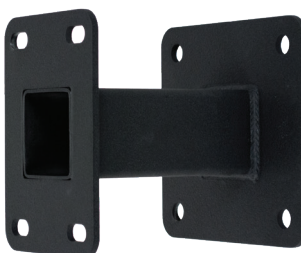
FEATURES & BENEFITS

▶ Strong one-piece construction
▶ Designed to hold U-Bolts for 2- or 3-inch (50.8- or 7.62-cm) diameter pipe

▶ 4 x 0.69-inch (10.16 x 1.75-cm) wall mounting holes on 6-inch (15.24 cm) centers*
▶ 8-inch (203-mm) stand off from flat wall surface

▶ Welded /-inch (6.35-mm) steel
▶ Powder painted wrinkle black
▶ Weighs 9.15 lb (4.20 kg)

Installation hardware not included

2072-60 — Wall Mount Bracket

1

Quick-Release Claw Cradles

5200-052

FEATURES & BENEFITS

▶ The Claw™ is a clamping system featuring an innovative clamping device that keeps your expensive data collecting hardware snug on the pole where it belongs without crushing it
▶ The Claw cradles and clamps are made of durable anodized aluminum for years of trouble-free use in the field
▶ Quick-Release cradles plug directly in to Quick-Release Pole Clamps
▶ Create your own custom system with part numbers from the table on the next page

Ball-and-Socket Claw Cradles

5200-18-050

FEATURES & BENEFITS

▶ SECO Claw cradles are made of durable anodized aluminum
▶ The Claw concept allows maximum tightening without crushing
▶ Features a 1-inch (32 mm) Ram Ball
▶ The Ball-and-Socket concept allow a collector to be in multiple positions
▶ Create your own custom system with part numbers from the table on the next page

Interior Vehicle Bracket Systems

5199-70

FEATURES & BENEFITS

▶ This Claw bracket series is designed to hold your collector or controller inside the cab of your survey vehicle
▶ Use it in conjunction with 5114-20 CGPS Door Bracket from the comfort of the cab
▶ The suction cup mount will grip any clean glass or slick surface
▶ A two-hole base mount is also included for use as an option to the suction cup mount for a more permanent solution
▶ Create your own custom system with part numbers from the table on the next page

Ball-and-Socket Claw Combos

5200-201

5200-19-050   5200-160

FEATURES & BENEFITS

▶ The Claw is an improved anodized aluminum clamping system featuring an innovative clamping device that keeps your expensive data collecting hardware snug on the pole where it belongs without crushing it
▶ Claw cradles and clamps are made of durable anodized aluminum for years of trouble-free use in the field
▶ Features ram ball links which allow many positions
▶ Create a custom ball-and-socket combo with part numbers from the table on the next page

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Clamp, Cradle and Bracket Compatibility Chart

Design your own custom solutions with brackets and cradles listed below

1

DATA COLLECTOR	BALL AND SOCKET CRADLE		QUICK RELEASE CRADLE	INTERIOR VEHICLE COMBO	BALL AND SOCKET COMBO
	Part No.		Part No.	Part No.	Part No.
TSC2™, RANGER™ 300X, 500X	5200-00-050		5200-050	5199-054, 5200-201, 5200-00-050	5200-160, 5200-201, 5200-00-050
ALLEGRO, JETT®•CE, EXPLORER I & II, TRACKER, FC-2200	5200-02-050		5200-052	5199-054, 5200-201, 5200-02-050	5200-160, 5200-201, 5200-02-050
RECON®	5200-03-050		5200-053	5199-054, 5200-201, 5200-03-050	5200-160, 5200-201, 5200-03-050
FC-100, MOBILE MAPPER CE/CX, PROMARK™ 3	NA		5200-054	NA	NA
GMS-2, GMS-2 PRO	NA		5200-056	NA	NA
FC-200, FC-250	NA		5200-058	NA	NA
NOMAD™ 800/900 SERIES	NA		5200-059	NA	NA
CARLSON SURVEYOR, SURVEYOR + , GIS-1	5200-12-050		5200-062	5199-054, 5200-201, 5200-12-050	5200-160, 5200-201, 5200-12-050
GEO 6000, GEO 7 SERIES	5200-14-050		5200-064	5199-054, 5200-201, 5200-14-050	5200-160, 5200-201, 5200-14-050
LEICA VIVA CS10/CS15	5200-15-050		NA	5199-054, 5200-201, 5200-15-050	5200-160, 5200-201, 5200-15-050
TSC3™, RANGER 3™ SERIES	5200-16-050		5200-065	5199-76	5200-160, 5200-201, 5200-16-050
MESA TESLA	5200-17-050		5200-072	5199-054, 5200-201, 5200-17-050	5200-17
JUNO 3 SERIES	5200-19-050		5200-067	5199-054, 5200-201, 5200-19-050	5200-160, 5200-201, 5200-19-050
FC236, FC336, PS236, PS336, X7	NA		5200-069	NA	NA
JUNO 5 SERIES, SP T41, SLATE	5200-22-050		5200-070	5199-054, 5200-201, 5200-22-050	5200-160, 5200-201, 5200-22-050
7-inch Tablets (X-GRIP)	5200-24-050		NA	5199-054, 5200-201, 5200-24-050	5200-160, 5200-201, 5200-24-050
ARCHER 2, MINI 2, FC500	5200-25-050		5200-073	5199-054, 5200-201, 5200-25-050	5200-160, 5200-201, 5200-25-050
ALLEGRO 2™, SURVEYOR 2	5200-26-050		5200-074	5199-054, 5200-201, 5200-26-050	5200-160, 5200-201, 5200-26-050
Smartphones (1.87 to 3.25 inches) (X-GRIP)	5200-27-050		NA	5199-054, 5200-201, 5200-27-050	5200-160, 5200-201, 5200-27-050
Nautiz® X8	5200-28-050		5200-075	5199-054, 5200-201, 5200-28-050	5200-160, 5200-201, 5200-28-050
Panasonic™ Toughpads® FZ-M1, FZ-B2 7-inch (17.78-cm)	5200-29-050		5200-076	5199-054, 5200-201, 5200-29-050	5200-160, 5200-201, 5200-29-050
Panasonic™ FZ-G1/Leica CS35 10-inch (25.4 cm) Tablet	NA		NA	NA	5200-30
Getac T800 8.1 inch (20.57 cm) Tablet	NA		NA	NA	5200-31

Pole Clamps and Cradles

Design your own custom solution with clamp and cradle

5198-056

FEATURES & BENEFITS
▶ Original Open-Style Pole Clamp technology for a complete solution
▶ Use a Claw Quick-Release cradle or clamp for a complete solution
▶ Made of black anodized aluminum

▶ Depressing the quick-release button will allow the Claw Quick-Release cradle or clamp to rotate in to a comfortable position for reading the data collector or controller

▶ Features a quick-release button and a stainless steel clamp screw that attaches to the pole
▶ Designed for standard poles or rods with a 0.75 to 1.25-inch OD

Part No. 5198-052

5198-153

5200-160

5198-073

PART NO.	OPEN-STYLE CLAMPS	
5198-052	Plain	EU
5198-054	40-minute Vial	US
5198-055	Compass	EU
5198-056	Compass and 40-minute Vial	EU
5198-059	0.15 x 0.92-inch Slot	US
5198-152	For 1.5-inch OD Pole	US
5198-153	Battery Slot and Quick Release	US
PART NO.	**BALL-AND-SOCKET CLAMPS (FOR 1.25-INCH OD POLE)**	
5200-160	Plain	US
5200-164	With Compass	US
5200-165	With 40-minute Vial and Compass	US
PART NO.	**CLAW QUICK RELEASE CLAMPS (FOR 1.25-INCH OD POLE)**	
5200-150	Plain	EU
5200-151	With 40-minute Vial	EU
5200-152	With 20-minute Vial	US
5200-154	With Compass	EU
5200-155	With 40-minute Vial and Compass	EU
PART NO.	**QUICK RELEASE CRADLES**	
5198-073	Nautiz N7, DAP 9800, SDR33, Titan	US
5198-081	PDA	US
5198-086	Leica RX and Viva CS10/CS15	US

Ball-and-Socket and Claw Accessories

▶ Perfect for creating a custom solution
▶ Fits any standard instrument tripod
▶ Use with a 5200-201 Ball-and-Socket Link and a Ball-and-Socket Cradle (designed for your data collector) for a complete system

5199-051 — Tripod Mount

▶ The Delrin® Adapter can be used when you want to increase the outside diameter (OD) of a pole from 1-inch to 1.25-inches
▶ Can be used with Quick-Release Claw Cradles and Clamps or the Ball-and-Socket Claw Combo

D11145 — Delrin 1-inch Pole Claw Clamp Adapter

▶ Mounts and connectors to complete your custom Ball-and-Socket Claw solution
▶ Includes base and suction cup with 1-inch ball

5199-054 — Suction Cup (temporary mount)

▶ Use the Ball-and-Socket Link for your custom solution
▶ Fits the 1-inch ram ball on cradles and clamps

5200-201 — Ball-and-Socket Link

▶ The RAM 2-7/16 x 1-5/16-in diamond-shaped universal plate has a 1-inch diameter rubber ball connected at right angles to a 1-¼ x 2-½-inch diamond plate
▶ Plate has two holes 1.912-in from center to center, positioned at either tip of the diamond plate

RAM-B-238 — Ram Ball

▶ Mount your data collector or controller to this ball clamp and the handle bars of your ATV

5199-050 — ATV Ball Clamp

▶ Pole Clamp with 1-inch (32 mm) Ram Ball
▶ Fits poles with an outside diameter of 0.75-inches to 1.5-inches

5199-052 — Ram Ball Clamp Mount

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Two-Piece GNSS Rover Rods

Two-piece is easy to set up and convenient to store and transport

FEATURES & BENEFITS
▶ Lightweight two-piece rover rods come in aluminum or carbon fiber and feature 5/8 x 11 tips (5125-01-YEL features a quick-release adapter) and 40-minute vials

▶ Outer graduations options are 10ths/100ths (GT) or metric (GM)
▶ 5125-06-YEL and 5128-08 feature a cable management slot measuring 0.625 x 1.6-in to hide cables

▶ Aluminum models are available in flo yellow or standard yellow
▶ Order 8162-00-ORG for carrying case

Part No.
5125-00-YEL

Cable Slot on 5125-06 and 5128-08

40-minute vial

PART NO.	POLE	TIP	CABLE SLOT	OUTER GRADS	LENGTH	WEIGHS	
5125-00-YEL	Aluminum	5/8 x 11	No	10ths/100ths (GT)	2 meters	3.00 lb (1.36 kg)	
5125-01-YEL	Aluminum	Quick Release	No	None	2 meters	3.00 lb (1.36 kg)	
5125-06-YEL	Aluminum	5/8 x 11	Yes	10ths/100ths (GT)	2 meters	3.00 lb (1.36 kg)	
5128-00	Carbon Fiber	5/8 x 11	No	10ths/100ths (GT) or Metric (GM)	2 meters	1.42 lb (0.64 kg)	
5128-08	Carbon Fiber	5/8 x 11	Yes	10ths/100ths (GT)	2 meters	1.42 lb (0.64 kg)	

Telescopic Carbon Fiber Rover Rods

Carbon fiber rover rods are 30% lighter
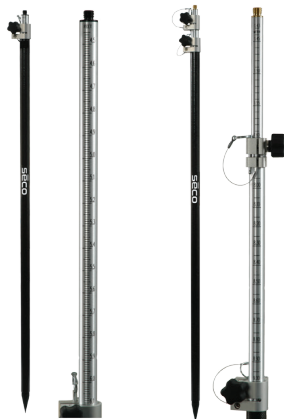
FEATURES & BENEFITS
▶ Designed so the GNSS surveyor has all the features needed in a single rod
▶ 0 H.T

▶ The included pin can lock the length of the rod at set points
▶ TLV™ locking mechanism comes standard

▶ Carbon fiber makes these rods 30% lighter
▶ Order 8160-00-ORG for carrying case

Part No.
5129-50

PART NO.	GRADS	LENGTH	OUTER GRADS	PIN LOCKING	WEIGHS	
5129-50	Dual (10ths/2 mm)	4.48 ft (1.4 m) - 8.14 ft (2.45 m)	10ths/100ths (GT)	1.8 m, 2 m, 2.2 m	2.30 lb (1.05 kg)	
5129-51	Metric	4.48 ft (1.4 m) - 8.14 ft (2.45 m)	None	1.8 m, 2 m, 2.2 m	2.30 lb (1.05 kg)	
5129-70	Dual (0.05 ft/cm)	4.69 ft (1.43 m) - 11.7 ft (3.57 m)	None	Every 20 cm	3.30 lb (1.50 kg)	
5129-71	Metric	4.69 ft (1.43 m) - 11.7 ft (3.57 m)	None	Every 20 cm	3.30 lb (1.50 kg)	

5129-50   *5129-70*

Snap-Lock Rover Rods

Easy set up

FEATURES & BENEFITS
▶ Includes 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

▶ Telescoping rods include locking lengths and also have optional outer graduations in metric (GM) or 10ths/100ths (GT)
▶ Your choice of either aluminum or carbon fiber rod includes a 40-minute vial

▶ Order 8160-02-FLY for carrying case with bipod
▶ Order 8160-00-FLY for standard case
▶ Order 8151-02-FLY system bag (tripod or bipod)

Part No.
5125-20-FLY

PART NO.	POLE	OUTER GRADS	LOCKING LENGTHS	WEIGHS	
5125-20-FLY	Aluminum	10ths/100ths (GT) or Metric (GM)	2 m	2.30 lb (1.05 kg)	
5125-20-YEL	Aluminum	10ths/100ths (GT) or Metric (GM)	2 m	2.30 lb (1.05 kg)	
5125-22-FLY	Aluminum	10ths/100ths (GT)	2, 1.8, 1.6 m	2.30 lb (1.05 kg)	
5128-20	Carbon Fiber	10ths/100ths (GT) or Metric (GM)	2 m	1.60 lb (0.73 kg)	
5128-22	Carbon Fiber	10ths/100ths (GT) or Metric (GM)	2, 1.8, 1.6 m	1.60 lb (0.73 kg)	
5128-24	Carbon Fiber	10ths/100ths (GT) or Metric (GM)	1.8, 1.6 m	1.60 lb (0.73 kg)	

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GNSS Accessories and Adapters

1

▶ Radio antenna tripod with antenna mast gets your radio antenna to the desired height
▶ Telescoped to 7.5-ft (2.3-m) and the tripod can be set to 5.5-ft (1.7-m) for a total elevation of 13-ft (4-m)
▶ Aluminum with a male 5/8 x 11 tip
▶ Hardwood/Fiberglass tripod is SECO's 5302-12-ORG
▶ Aluminum tripod is SECO's 5301-21-ORG
▶ The antenna mast can be purchased separately to convert your own heavy-duty tripod as well
▶ Weighs 19.00 lb (8.62 kg)

5561-20 — Radio Antenna Mast Assembly
5300-11 — Hardwood/Fiberglass
5300-12 — Aluminum (shown)

▶ Bracket holds a radio antenna securely to a tripod leg
▶ The heavy-duty bracket makes plumbing the antenna easy
▶ Fits all full-size and heavy-duty tripods and uses a 1/2-inch long, 5/8 x 11 male stud to secure the antenna or extension (tripod sold separately)
▶ Can be used with the SECO Six Foot Snap-Lock Radio Antenna Pole (5139-02, see right) or any extension with a male/female 5/8 x 11 connection
▶ Weighs 1.55 lb (0.70 kg)

2133-05 — Radio Antenna Bracket for Tripod

▶ The 5114-series allows quicker attachment of the GNSS antenna
▶ The 5114-10 is an extra-tall mag mount for use when attaching GNSS receivers with downward antennas

5114-01

5114-01 — Quick-Release Triple Mag Mount
5114-02 — 5/8 x 11 Triple Mag Mount
5114-10 — Triple Mag Mount for Trimble R10

▶ Make your 2 m rod quicker to assemble
▶ Adds 60 mm to the length of the rod
▶ Weighs 0.45 lb (0.20 kg)

5111-03 — Quick Release Adapter for Rover Rods

▶ Both magnets have a 3.5-inch (8.89cm) diameters
▶ Weighs 0.92 lb (0.42 kg)

5114-050 — 5/8 x 11 Tip
5114-051 — Quick-Release Tip

▶ Adapter has male 5/8 x 11 threads
▶ Weighs 0.08 lb (0.04 kg)

5113-012 — GNSS Quick-Release Tip

▶ Use with GPS Quick Release Adapter (5187-00)
▶ Adds 35 mm to rod length
▶ Weighs 0.10 lb (0.05 kg)

5111-01 — GPS Quick Disconnect 35 mm Adapter

▶ GNSS Compass for 1.25 inch (3.18 cm) diameter poles

5125-050 — GNSS Compass

▶ The Satellite Stick™ XL is composed of six, 1-in (25.4-mm) OD carbon fiber sections
▶ Collapses to 1.23-ft (37.5-cm)
▶ Weighs 2.40 lb (1.09 kg)

5126-10 — Satellite Stick XL

▶ All-Terrain Rover Rod "Big Wheel"
▶ Measures 19 x 1-5/8-inch
▶ Rod and Bipod are not included with Wheel
▶ Perfect for RTK profiling
▶ Weighs 3.80 lb (1.72 kg)

5125-056 — All Terrain Wheel

Add Rover top section:
5125-057-FLY — Aluminum Rod
5128-052 — Carbon Fiber Rod

▶ Used to elevate a radio antenna to 6 feet plus the height of the tripod setup
▶ Snap locks into a fixed length of 6-feet (1.8-m)
▶ Collapses to 41.5-inches (1-meter)
▶ Includes a 3.5-inch (8.89 cm) OD plate adapter (5182-002) to attach to any 5/8 x 11 tripod heads
▶ Available in standard yellow of fluorescent yellow
▶ Weighs 1.40 lb (0.62 kg)

5139-02-FLY — 6 Foot Snap-Lock Radio Antenna Pole

▶ SECO's Tripod Radio Antenna Kit attaches easily to instrument tripods
▶ Tripod leg clamp will attach to any tripod leg and ram ball and socket section of clamp quickly sets the antenna pole up vertically
▶ A large washer is included to allow a straight connection to a tripod for a separate setup
▶ Kit consists of three antenna sections that set up the radio antenna pole height to 3.1 ft (0.95 m) above the tripod
▶ Kit bag measures 16 x 6 x 2-inches (40.6 x 15.2 x 5.8-cm)
▶ Weighs 1.90 lb (0.86 kg)

2133-06 — Tripod Radio Antenna Kit

▶ The open clamp attachment allows quick and easy connection to the pole; it connects to 1-to-1.25-inch (25.4 to 31.8-mm) OD poles
▶ Brass male 5/8 x 11 captive stud is easily removed for direct attachment of the radio antenna to the bar
▶ Includes a non-slip Velcro® cable strap to help manage radio cables
▶ Weighs 0.22 lb (0.10 kg)

20 cm
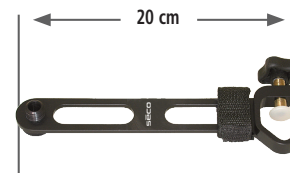
2133-03 — Antenna Bracket

▶ Converts any GNSS receiver or prism with 5/8 x 11 threads to a quick release
▶ Anti-rotation quick-release assembly
▶ Heavy-duty construction, will hold up to 20 lb (9.00 kg)
▶ Short height, only 60 mm
▶ Constructed of quality stainless steel and aluminum
▶ Easy to operate, push button release
▶ Weighs 0.35 lb (0.16 kg)

5111-04 — 60 mm Anti-Rotation Quick Release

▶ Use with GNSS Quick-Release Adapter (5187-00)
▶ Made of anodized aluminum or optional Stainless Steel version
▶ Adapter adds 76.22-mm to the pole length
▶ Weighs 0.14 lb (0.06 kg)

5111-00 — GNSS Quick-Disconnect Adapter
5111-00-SS — GNSS Quick-Disconnect Adapter (Stainless Steel)

▶ Adapter features a female 5/8 x 11 with quick release tip
▶ Made of anodized aluminum or optional Stainless Steel version
▶ Adds 23.8-mm to length of rod
▶ Weighs 0.05 lb (0.02 kg)

5187-00 — GNSS Quick-Release Adapter
5187-00-SS — GNSS Quick-Release Adapter (Stainless Steel)

seco

Trimble LEAP GNSS Receiver

Pairs with mobile devices via bluetooth to collect sub-meter data in the field

FEATURES & BENEFITS

▶ Delivering accuracy <1 meter throughout the world with cellular and RTX connection without a base station (includes 60 days of RTX and 1 year subscription to TNP LEAP Connect)

▶ Pairs directly via Bluetooth® with Android devices (iOS coming soon)

▶ Ability to collect positions in three modes; RTX Mode: Better than one meter with a real-time Trimble RTX subscription (requires a cellular data connection),

▶ DGPS Mode: 1 to 3 meters*, or Stand Alone Mode: 2 to 3 meters (SBAS); 3 to 5 meters (GPS)

▶ Runs up to 16 hours and IP62 rated

*Preliminary and subject to distance from the source

▶ Ability to collect GNSS data information in the field and instantly send data back to the main office

▶ Data can then be viewed online and exported in common file formats to use in other software

▶ Collect markers, tracks, videos, audio recordings and photos in the field with included mobile app

Part No. 2135-01

| PART NO.	DESCRIPTION	WEIGHS	
2135-01	LEAP GNSS Receiver Kit (Includes Receiver, 5/8 x 11 Mount, Phone Mount, Adhesive Button, and USB Cable)	0.60 lb (0.27 kg)	
2135-02	Replacement LEAP Phone Bracket	0.15 lb (0.07 kg)	
2135-03	Replacement LEAP Pole Mount	0.10 lb (0.05 kg)	
2135-04	Replacement LEAP Phone Button	0.03 lb (0.01 kg)	

Terrain Navigator Pro

Use your smart device to bring one less piece of equipment into the field
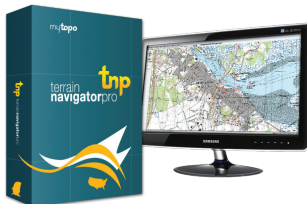
FEATURES & BENEFITS

▶ Mobile GPS positioning and data collection via smart phone with secure near real-time, cloud-based syncing to desktop

▶ Complete collection of easily catalogued USGS topographic maps, 1:24/25,000 7.5' series,

▶ 1:100,000 and 1:250,000

▶ scale (Alaska is 1:63,360 and

▶ 1:250,000)

▶ Higher resolution (0.3 meter) images for many urban areas and up-to-date street data included

▶ Mobile app is available as a free download for iOS/Android devices

▶ Comprehensive NGS benchmark layer with up-to-date data recovery sheets

▶ PLSS data-easily look up locations by township/range coordinates

▶ Measure distances, area, elevation profiles, instantly and accurately

▶ Multiple annotation tools including lines, points, polygons, and circles

▶ Use Geo-Pins and labels to accurately place data on maps

▶ Export topo maps, aerial photos, elevation models and overlays to GIS and CAD programs

▶ Advanced software tools include range rings by time and distance, area fills and line-of-sight with height offsets

▶ Multiple editions of seamless, 1-meter resolution aerial photos beginning in 2003 to current

▶ Professionally design maps for desktop or large-format printing, print electronically as a PDF format

▶ XX in the part number is the state abbreviation, for example TERRAINPROOH for Ohio (Use ML for NJ, DE, MD, DC; Use NL for ME, NH, VT, MA, RI, CT)

Part No. TERRAINPROXX

PART NO.	DESCRIPTION	
TERRAINPROXX	Desktop Client (single user license for one state/region)	
TERRAINPROXX_A	Desktop additional state/region (drop ship only)	
TNPUPGRADEXX	Terrain Navigator Standard to Pro upgrade	
TNPUPGRADEXX_A	Terrain Navigator Standard to Pro upgrade one additional state/region	

TNP Mobile Maps SD Cards

Complete field-to-office solution when combined with TNP Desktop Client

FEATURES & BENEFITS

▶ Turn your iPhone, iPad, or Android device into a complete GPS-enabled field mapping solution with TNP Mobile Maps on SD card

▶ All memory cards include statewide topographic maps with 18 zoom levels, down to 1:24K map scale

▶ Maps work off-the-grid, no cell or data connection is required

▶ Every SD card comes pre-loaded with an entire state's worth of full-color USGS topo maps

▶ TNP Mobile Maps require the TNP mobile application, which is available as a free download for iOS or Android devices

▶ Maps cover plot boundaries, landowner's name, address and parcel number (APN) of private lands

▶ See further information about TNP Mobile Maps SD Cards view our website or for a direct link scan the QR Code

▶ XX in the part number is the state abbreviation, for example TNPSDMAPSOH for Ohio (Use ML for NJ, DE, MD, DC; Use NL for ME, NH, VT, MA, RI, CT)

Part No. TNPSDMAPSXX

TNPSDMAPSXX — TNP Mobile Maps SD Cards (Covers most US States)

VEHICLE ACCESSORIES

GNSS Bracket for Truck Door

Expands vertically from 47 to 61 inches

5114-20-050 Topo Shoe Adapter

5114-20-051 3-inch Extension Kit

FEATURES & BENEFITS
▶ This bracket holds a GNSS pole to the door of your survey truck
▶ Easy to put on and take off and features a non-damaging mount

▶ Fits most trucks, and SUVs
▶ The door opens and closes with the bracket attached to the door
▶ Bracket holds all GNSS- and RTKtype poles

▶ Utilizes a safety strap under tension to keep it on the door
▶ Brackets are available to hold controller inside the cab (#5199)
▶ Designed to be off-road only
▶ Weighs 6.20 lb (2.80 kg)

Part No. 5114-20-FLY

5114-20-FLY — GNSS Bracket for Truck in Flo Yellow (shown)
5114-20-FOR — GNSS Bracket for Truck in Flo Orange
5114-20-YEL — GNSS Bracket for Truck in Yellow

UTV Roll Cage Transporter for GNSS Rods

Easy set-up or disassembly in 10 minutes or less

FEATURES & BENEFITS
▶ The RUXWORKS GNSS Rod Transporter™ fits all popular UTVs
▶ 5114-40-01 fits UTVs with tubular roll cages up to 2-inches (5.08-cm)
▶ 5114-40-02 fits UTVs with rectangular roll cages up to 4"

▶ Mounts easily to either side and installs in 10 minutes or less
▶ The UTV bracket has up to 30° of tilt to set your rover rod plumb
▶ The pole clamp section is 63-in (160-cm) long and disassembles quickly from the UTV bracket with two quick release pins or two bolts

▶ The UTV bracket can stay permanently attached to the UTV
▶ Includes a rod clamp that fits all popular rover rods and poles with points and or topo shoes up to a 2-1/2-inch (6.35-cm) diameter and has a secure, non-marring quick release design

Part No. 5114-40-01

PART NO.	DESIGNED FOR	FITS	WEIGHS	
5114-40-01	Short Truck Bed	Tubular Roll Cage up to 2-inches (5.08 cm)	15.00 lb (6.80 kg)	
5114-40-02	Medium / Standard Truck Bed	Rectangular Roll Cage up to 2 x 4-inch (5.8 x 10-cm)	15.00 lb (6.80 kg)	

Crain Cargo Net by Bednet

Quick and easy to install

FEATURES & BENEFITS
▶ Allow your crew to quickly and safely secure most loads
▶ Designed to encourage all drivers to use it - even drivers who avoid using other restraint systems

▶ 4 x 4 ft (121.92 x 121.92 cm) straps are integrated into the product design so they cannot be lost or detached from the unit

▶ The coated hooks and super-tough nylon buckles will not scratch the vehicle
▶ Made from the toughest polyester seat belt webbing

Part No. 8500-00

PART NO.	DESIGNED FOR	DIMENSIONS	WEIGHS	
8500-00	Short Truck Bed	56 x 64.5 inch (1.42 x 1.64 m)	6.00 lb (2.72 kg)	
8500-01	Medium / Standard Truck Bed	64.5 x 65 inch (1.64 x 1.65 m)	7.00 lb (3.18 kg)	
8500-02	Large Truck Bed	63 x 85 inch (1.6 x 2.16 m)	8.00 lb (3.63 kg)	
8500-03	UTV / ATV with Bed	32 x 43 inch (81.28 x 109.22 cm)	3.00 lb (1.36 kg)	

Plan Holder

Conveniently organize and store job site materials in your vehicle

FEATURES & BENEFITS
▶ Plan holder hangs on the back or front of any vehicle seat

▶ Slots which hold four 6-inch (15.24 cm) diameter plans
▶ Front pocket accommodates a note pad, phone, or other small items

▶ Organizer strap holds pens, pencils, markers, and other necessary tools
▶ Weighs 0.95 lb (0.43 kg)

Part No. 8046-10-BLU

8046-10-BLU — Plan Holder

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ATV Pole Bracket System

Holds a rover rod and can also hold an antenna bar

FEATURES & BENEFITS
▸ The ATV Pole Bracket System is designed to hold a rover rod and a radio antenna pole (sold separately)
▸ The universal bracket system fits most ATVs, it attaches with included u-bolts to the luggage rack

▸ The bracket holds all poles from 1-to-1.25-inch outside diameter
▸ Installation to the ATV takes about one hour using basic tools
▸ Quick clamp handles make loading and unloading the rover pole fast and secure
▸ This system comes with a transport and storage bag

▸ 5198-51 ATV Pole Bracket System is the same as above but does not include the radio antenna bar
▸ Weighs 24.00 lb (10.89 kg)

Part No. 5198-50

PART NO.	DESCRIPTION	
5198-50	ATV Bracket System with Radio Antenna Bar	
5198-51	ATV Pole Bracket System without Radio Antenna Bar (shown)	

Vials

Vial for TLV™ Locks

5500-064-40 - Vial Assembly (Complete with 40-min vial)

40-Minute Vial D11232 Includes screws

20-Minute Vial D11233 Includes screws

8-Minute Vial D11234 Includes screws

Vial for QLV™ Locks

5801-052-40 - Vial Assembly (Complete with 40-min vial)

40-Minute Vial D11243 Includes screws

20-Minute Vial D11242 Includes screws

8-Minute Vial D11241 Includes screws

Vial for 1.25-inch OD Pole Levels

5081-052-40 - Vial Assembly (Complete with 40-min vial)

40-Minute Vial D11232 Includes screws

20-Minute Vial D11233 Includes screws

8-Minute Vial D11234 Includes screws

Vial for 1.50-inch OD Pole Levels

5070-051-40 - Vial Assembly (Complete with 40-min vial)

40-Minute Vial D11232 Includes screws

20-Minute Vial D11233 Includes screws

8-Minute Vial D11234 Includes screws

Levels

▸ No longer need to look down while traffic is flying by — simply look through the window
▸ Features a soft rubber knob on an
▸ adjustable clamp that fit most
▸ survey poles and most vials
▸ The Heads-Up™ level is more
▸ comfortable to read; the
▸ bubble is direct reading
▸ Fits 1- to- 1.25-inch
▸ (25.4- to- 31.75-mm) OD poles
▸ Weighs 0.40 lb (0.18 kg)

5001-20 — Heads-Up Level - 40-minute Vial

▸ Features a die-cast aluminum body and adjustable vial
▸ Use with track light, robotic instruments, or conventional leveling
▸ Fits round or rectangular rods
▸ Feature a 40-minute sensitivity
▸ Weighs 0.50 lb (0.22 kg)

5001-10 — Standard Rod Level

▸ Features a die-cast aluminum body and adjustable vial
▸ Suitable for use with track light, robotic instruments, or conventional leveling
▸ Fits round or rectangular rods
▸ Fits poles with a 1- to- 1.25-inch
▸ (25.4- to- 31.75-mm) OD
▸ Feature a 40 minute
▸ sensitivity vial
▸ Weighs 0.10 lb (0.04 kg)

5001-12 — Snap-On Rod Level

Scanner Spheres

FEATURES & BENEFITS
▶ 100 mm OD lightweight aluminum sphere
▶ Precision design, allowable deviation < 1 mm

▶ Female / x 20 threaded mounting
▶ Painted non-glare white
▶ Center height is 49 mm for bottom flat

▶ Weighs 0.60 lb (0.27 kg)

FEATURES & BENEFITS
▶ Lightweight aluminum scanner sphere

▶ 230 mm diameter, accuracy < 2 mm
▶ Female 5/8 x 11 threaded mounting

▶ Painted non-glare white
▶ Center height is 114 mm from bottom flat
▶ Weighs 2.70 lb (1.22 kg)

Part No. 6703-001

6703-001 — 100 mm Scanner Sphere
6704-001 — 230 mm Scanner Sphere

230 mm Sphere Adapters, Accessories and Case

▶ 3-7/8 inch diameter housing
▶ 3-1/2 inch ceramic grade 5 magnet
▶ 120 pounds of pull force
▶ Stainless steel 5/8 x 11 stud
▶ Height is 21 mm
▶ Weighs 0.95 lb (0.43 kg)

6704-002 — Magnet with 5/8 x 11 Stud

▶ Anodized aluminum body
▶ Male and female 5/8 x 11 threads
▶ Height is 21 mm
▶ Center height is 135 mm with 230 mm Sphere (6704-001)
▶ Weighs 0.05 lb (0.02 kg)

6704-003 — 21 mm Male and Female 5/8 x 11 Adapter

▶ Anodized aluminum body
▶ Male and female 5/8 x 11 threads
▶ Height is 48 mm
▶ Center height is 196 mm with 230 mm Sphere (6704-001) and Tribrach Adapter (2070-00)
▶ Weighs 0.10 lb (0.04 kg)

6704-004 — 48 mm Male and Female 5/8 x 11 Adapter

▶ 25 mm silver-coated prism
▶ -17.5 mm offset and adjustable 40 minute vial
▶ Center height is 135 mm with the fixed adapter
▶ Center height is 135 mm with the rotating adapter and Magnet (6704-002)
▶ Kit includes padded carrying case
▶ Prism weighs 0.80 lb (0.36 kg)
▶ Kit weighs 1.70 lb (0.77 kg)

6704-012 — 135 mm HT 25 mm Prism Assembly Kit

▶ Includes three 230 mm scanner spheres in a hard case
▶ Includes cover bag for each sphere for insulation and scratch protection
▶ Airline approved shipping case
▶ Weighs 17.60 lb (7.98 kg)

6704-10 — Hard Case and Three 230 mm Scanner Spheres

▶ 3/8 x 16 stainless steel male stud
▶ Three prong tribrach interface connection
▶ Height is 60.5 mm
▶ Height to target with the TX5 / FARO3D achieves 196 mm
▶ Weighs 1.35 lb (0.61 kg)

6703-011 — 196 mm HT Tribrach Adapter for TX5/FARO3D

▶ SECO is pleased to offer a new "Quick Release Adapter" specifically for Trimble TX5 and Faro Focus 3D scanners
▶ Quick and safe connection between the scanner instrument and a Gitzo or any tripod with a male 3/8 x 16 thread
▶ Rotates smoothly on Delrin® bearing for orientating the instrument

▶ Clamp screw is captured and protected from damage
▶ Anodized aluminum and stainless steel materials
▶ Base has a setscrew to lock base to tripod head
▶ Built-in 100-minute level vial on base
▶ Weighs 0.70 lb (0.32 kg)

6703-015 — Quick Release Adapter for Trimble TX5 and Faro Focus 3D

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100 mm Sphere Prisms, Adapters, Magnets and Kits

▶ Lightweight aluminum sphere and ceramic 8 magnet
▶ Steel cup OD 2.03 inches
▶ Stainless steel ¼ x 20 stud
▶ Magnet is chrome coated steel cup and offers 40 pull pounds
▶ 100 mm OD roundness <1 mm
▶ ¼ x 20 threaded mounting
▶ Painted non-glare white
▶ Weighs 0.80 lb (0.36 kg)

6703-10 — 100 mm Scanner Sphere with Magnet

▶ ¼ x 20 stainless steel male stud
▶ 5/8 x 11 female connection
▶ Height is 86 mm
▶ Height to target with 100 mm sphere achieves 135 mm
▶ Weighs 0.25 lb (0.11 kg)

6703-003 — 5/8 x 11, 135 mm HT Adapter

▶ ¼ x 20 stainless steel male stud
▶ 5/8 x 11 female connection
▶ Height is 23.5 mm
▶ Height to target with 100 mm sphere achieves 72.5 mm
▶ Weighs 0.05 lb (0.02 kg)

6703-005 — 5/8 x 11, 72.5 mm HT Adapter

▶ 25 mm silver-coated prism
▶ -17.5 mm offset
▶ Length is 72.5 mm prism center to connections
▶ 5/8 x 11 female and magnetic connection
▶ Weighs 0.75 lb (0.34 kg)

6703-012 — 72.5 HT Prism Assembly with Magnet

▶ Rubber tips on stainless-steel legs prevent scratching of delicate surfaces
▶ Folding legs make tripod very portable
▶ Made of anti-corrosive materials
▶ Steel-plated washer atop tripod easily attaches to scanner sphere
▶ Height is 39 mm
▶ Weighs 0.15 lb (0.07 kg)

6703-008 — Scanner Sphere Mini Tripod

▶ ¼ x 20 stainless steel male stud
▶ 5/8 x 11 female connection
▶ Height is 113 mm
▶ Height to target with 100 mm sphere (6703001) and Tribrach Adapter (2070-00) achieves 196 mm
▶ Weighs 0.35 lb (0.16 kg)

6703-006 — 5/8 x 11, 196 mm HT Adapter

▶ 6703-20 includes six 100 mm scanner spheres and six magnets with ¼ x 20 studs
▶ 6703-20 weighs 6.60 lb (3.00 kg)

6703-20 — 6 piece 100 mm Sphere Kit includes Soft Case

▶ Brass washers centers to 6703-002 magnet base connection
▶ 90 pounds of pull force
▶ Connects to pipes and flat surfaces
▶ Weighs 0.90 lb (0.41 kg)
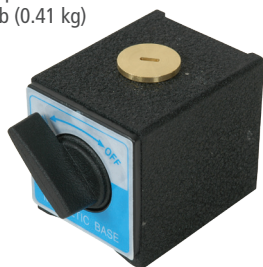
6703-013 — V-Base with Washer Magnet

▶ Easy to use "on/off" switch for attaching to glass or flat slick surfaces
▶ Wide 3 ¼ inch rubber suction surface
▶ Male ¼ x 20 stud for attaching
▶ scanner sphere to other female ¼ x 20 devices
▶ Height is 48 mm
▶ Weighs 0.20 lb (0.09 kg)

6703-019 — Suction Cup with 1/4 x 20 Stud

▶ 8082-01-ORG offers six padded compartments (for 100 mm spheres, sold separately)
▶ Made from 1000D Cordura with 2 inch padded foam and includes a carrying handle
▶ Stow-able straps (cases can connect together)
▶ Dimensions: 16 x 11 x 8 in (40.64 x 27.94 x 20.32 cm)
▶ 8082-01-ORG weighs 2.00 lb (0.91 kg)

8082-01-ORG — Soft Case for 100 mm Scanner Spheres

▶ ¼ x 20 stainless steel male stud
▶ Female 12 mm Quick Release connection
▶ Height is 37 mm
▶ Height to target with 100 mm sphere achieves 86 mm
▶ Weighs 0.10 lb (0.05 kg)

6703-004 — 86 mm HT Quick Release Adapter

▶ Compatible with the TX5
▶ Width is 3.12 in (79.3 mm)
▶ Height is 34 mm
▶ Weighs 1.75 lb (0.80 kg)

2070-02 — 3/8 x 16 Tribrach Adapter

▶ Pelican® hard shell case features custom foam keeping spheres, prisms, adapters, etc., safe and secure
▶ 6703-11 includes ten 100 mm scanner spheres and ten magnets with ¼ x 20 studs
▶ Dimensions: 24.5 x 19 x 9 in (62.3 x 48.3 x 22.9 cm)
▶ 6703-11 weighs 22.00 lb (10.00 kg)
▶ 6703-014 weighs 14.00 lb (6.36 kg)
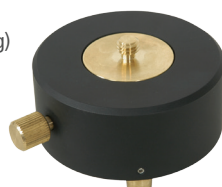
▶ Stainless steel ¼ x 20 stud
▶ Chrome-plated steel cup
▶ 2.03 inch OD steel cup
▶ Grade 8 ceramic magnet
▶ 40 pounds of pull force
▶ Weighs 0.20 lb (0.09 kg)

6703-002 — Magnet with 1/4 x 20 Stud

▶ Zinc-plated steel material
▶ 1.90 in (48.26 mm) in diameter
▶ Thickness is 0.098 in (2.5 mm)
▶ 0.24 in (6 mm) countersink hole connection
▶ Weighs 0.05 lb (0.02 kg)

6703-007 — Wall Washer Adapter

6703-11 — 10 piece 100 mm Sphere Kit includes Hard Case
6703-014 — Pelican Case for 100 mm Spheres (spheres sold separately)

360° Robotic Prism Assembly

Copper-coated 35 mm prisms

FEATURES & BENEFITS
▸ Includes six 35 mm prisms
▸ 0 offset

▸ Copper-coated for moisture prevention

▸ Protective urethane bumper in yellow

Part No.
6401-00-YEL

PART NO.	PRISM HEIGHT	DESIGNED FOR	
6401-00-YEL	77 mm	Topcon®	
6401-03-YEL	135 mm	Spectra Precision®	

Carbon Fiber Robotics Poles

Features carbon fiber and TLV locking mechanism

FEATURES & BENEFITS
▸ Graduated to read direct for a 135 mm prism height
▸ Adapters will achieve other prism heights

▸ Carbon fiber pole offers a stainless steel pin which locks the inner pole
▸ Features TLV™ lock mechanism with 40-minute vial built-in

▸ Optional outer graduations in metric (GM) or 10ths/100ths (GT)
▸ Order 8160-00-ORG for carrying case

Part No.
5129-52

PART NO.	GRADS	SECTIONS	PIN LOCKING	OUTER GRADS	LENGTH	WEIGHS	
5129-52	Dual	1	Every 0.5 ft	10ths/100ths (GT)	4.97 ft - 8.53 ft	2.30 lb (1.04 kg)	
5129-53	Metric	1	Every 20 cm	Metric (GM)	4.97 ft - 8.53 ft	2.30 lb (1.04 kg)	
5129-72	Dual	2	Every 0.5 ft	None	5.18 ft - 11.81 ft	3.30 lb (1.50 kg)	
5129-73	Metric	2	Every 20 cm	None	5.18 ft - 11.81 ft	3.30 lb (1.50 kg)	

Accessories for Robotics Gear

▸ 5/8 X 11 aluminum prism height adapters allow the base pole to be used with other manufacturer's 360° prisms

▸ This lightweight bipod is used to keep a GNSS or robotic pole off the ground when not in use
▸ Weighs 0.90 lb (0.41 kg)

▸ The Rodrest is a self-retracting 'kickstand' for survey rods
▸ Activated by simply pushing down a few inches on the handle Weighs 1.55 lb (0.70 kg)

2090-01 — For Topcon Users w/ 77 mm Prism
2090-02 — For Leica Users w/86 mm Prism
2090-04 — Users w/115 mm Prism
2090-06 — Convert Robotics to GNSS Pole (not shown)
2090-07 — For Topcon ATP1/2 with 50 mm Prism
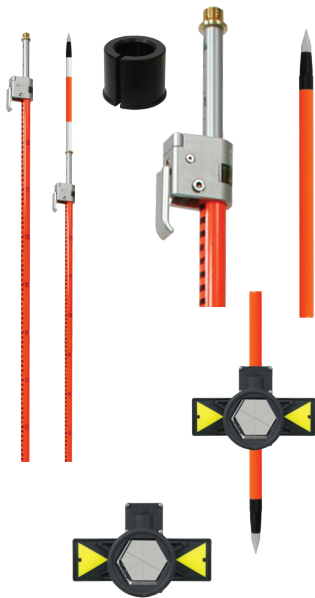
5217-15-ABK — 12 inch Open Clamp Bipod

5214-01 — Gardener Rod Rest 1.25-inch OD

sēco

Geodimeter Style Poles and Prism

Create your measuring system by adding the Sliding Prism with Tilting Reflector

FEATURES & BENEFITS
▶ Small in diameter (20 mm),
▶ this light weight prism pole
▶ is designed to work with the Geodimeter® style sliding prism
▶ Can be mounted on the site rod or the graduated outer section
▶ Telescoping section is graduated in feet and centimeters

▶ Poles are constructed of durable fluorescent orange aluminum and has a hardened steel removable point
▶ Graduations in feet, 10ths and 100ths are on the outer section for direct reading of prism height Collapses to 4.80 ft (1.46 m)
▶ Expands to 8.60 ft (2.62 m)

▶ The site rod comes with the QLV™ locking mechanism with a 40-min circular, adjustable vial
▶ Can be used as a short hand held rod with two height marks, 0.50 ft (15.24 cm) and 1.00 ft (30.48 cm)
▶ Use Sliding Prism with Tilting Reflector to complete your system

Part No.
5120-00-FOR-GT

PART NO.	HEIGHT	GRADS	VIAL	DESCRIPTION	WEIGHS	
5120-00-FOR-GT	8.60 ft (2.62 m)	10ths	40-min	Pole Only	2.05 lb (0.92 kg)	
5120-01-FOR-GM	2.62 m (8.60 ft)	Metric	40-min	Pole Only	2.05 lb (0.92 kg)	
5120-02-FOR-GT	8.60 ft (2.62 m)	10ths	40-min	Pole w/ Site Rod	2.75 lb (1.24 kg)	
5120-03-FOR-GM	2.62 m (8.60 ft)	Metric	40-min	Pole w/ Site Rod	2.75 lb (1.24 kg)	
5120-024-FOR	N/A	Metric	N/A	Site Rod w/ Point	0.70 lb (0.31 kg)	
5120-025-FOR	N/A	10ths	N/A	Site Rod w/ Point	0.70 lb (0.31 kg)	
6455-00	N/A	N/A	N/A	Sliding Prism with Tilting Reflector	0.81 lb (0.37 kg)	

Telescopic Carbon Fiber Prism Pole

Carbon fiber poles are approximately 30% lighter than similar aluminum poles

FEATURES & BENEFITS
▶ Adjustable tip that will adjust to a prism height of 65 mm to 115 mm

▶ TLV locking and dual graduations and OD is 1.27 in (32 mm)
▶ Extends 8.53 ft (2.60 m)

▶ Collapses to 4.97 ft (1.51 m) Weighs 2.30 lb (1.05 kg)

Part No.
5129-54

5129-54 — Adjustable Tip Carbon Fiber Pole

Mini Poles

Compact, easy to set up, and convenient to store and transport

FEATURES & BENEFITS
▶ Mini poles are easy to use
▶ Adjustable or fixed-tip poles

▶ Light weight and convenient to transport and store
▶ 40-minute bubble vials

▶ Powder-coated and silk screened aluminum

Part No.
5500-23

5500-23   5010-00-RED   5010-01

PART NO.	HEIGHT	GRADS	LOCK TYPE	PRISM HEIGHT	WEIGHS	
5500-23	5.10 ft - 2.70 ft (1.55 - 0.82 m)	Dual	TLV	50 mm	2.30 lb (1.04 kg)	
5010-00-RED	1.28 ft (0.39 m)	N/A	N/A	N/A	1.50 lb (0.68 kg)	
5010-00-FLY	1.28 ft (0.39 m)	N/A	N/A	N/A	1.50 lb (0.68 kg)	
5010-01	4.7 inches (120 mm)	N/A	N/A	25 mm	0.40 lb (0.02 kg)	
5512-12-FOR	2.10 m (6.89 ft)	Metric	TLV	100 mm	2.40 lb (1.09 kg)	
5700-21	4.8 ft - 2.26 ft (1.5 - 0.7 m)	Dual	Quick-Release	115 mm	2.33 lb (1.80 kg)	

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Swiss-Style QLV Prism Poles

Features European-style quick release stud

FEATURES & BENEFITS
▶ Swiss-style quick release stud Reads direct for any 86 mm height prisms

▶ The small-diameter, 25 mm bottom section fits Leica slide-on controller brackets
▶ QLV™ locking mechanisms

▶ Powder-coated and silk screened aluminum
▶ Lower lock features an adjustable 40-minute adjustable vial

Part No.
5802-10

PART NO.	LENGTH	TIP	TYPE	GRADS	WEIGHS	
5802-10	8 ft	Swiss-Style	Aluminum	Dual	2.50 lb (1.13 kg)	
5802-11	2.5 m	Swiss-Style	Aluminum	Metric	2.50 lb (1.13 kg)	
5802-20	12 ft	Swiss-Style	Aluminum	Dual	3.55 lb (1.61 kg)	
5802-21	3.6 m	Swiss-Style	Aluminum	Metric	3.55 lb (1.61 kg)	

Swiss-Style Quick-Release Prism Poles

Made for speciality prism height of 86 mm
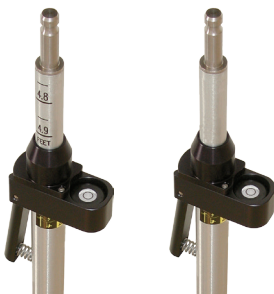
FEATURES & BENEFITS
▶ Quick-Release locking mechanism features adjustable tension via a set screw in the

handle and another set screw to assist in keeping the spring in position
▶ Swiss-style tip (for 86 mm prism

heights) for GPH1-type prisms
▶ Powder-coated and silk screened aluminum

Part No.
5711-10

PART NO.	OD	LENGTH	TYPE	GRADS	WEIGHS	
5711-10	1 inch (25.4 mm)	8.30 ft - 4.76 ft (2.53 m - 1.45 m)	Aluminum	Dual	2.10 lb (0.95 kg)	
5721-10	1 inch (25.4 mm)	2.60 m - 1.52 m (8.53 ft - 4.97 ft)	Aluminum	Metric	3.30 lb (1.50 kg)	

Swiss-Style TLV and Twist-Lock Prism Poles

The popular TLV locking system provides simple but secure locking

FEATURES & BENEFITS
▶ Swiss-style tip (for 86 mm prism heights) for GPH1-type prisms

▶ 1.25- or 1.50-inch (31.75- or 38.1-mm) outside diameter
▶ Comes in 1 or 3 sections

▶ Dual or metric graduations
▶ TLV™ or Twist-Lock mechanisms

Part No.
5501-11

PART NO.	SECTIONS	LOCK STYLE	LENGTH	OD	GRADS	WEIGHS	
5501-11	1	TLV	8.53 ft - 4.97 ft (2.60 m - 1.51 m)	1.25 inch (31.75 mm)	Dual	3.30 lb (1.50 kg)	
5521-11	1	TLV	2.60 m - 1.51 m	31.75 mm	Metric	3.30 lb (1.50 kg)	
5503-30	3	Twist-Lock	15.25 ft - 5.41 ft (4.65 m -1.65 m)	1.50 inch (38.1 mm)	Dual	7.60 lb (3.45 kg)	
5523-30	3	Twist-Lock	4.65 m - 1.65 m	38.1 mm	Metric	7.60 lb (3.45 kg)	

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Quick Change Prism Poles

Vials are on the locks, out of the way of instruments on the pole

FEATURES & BENEFITS
▶ Compatible with all targets, prisms, and GNSS antennas
▶ Using adapters, any of the poles in this series can be used for GNSS, robotics or total station surveys

▶ Includes adapter 2090-12
▶ Quick conversion to another application by changing adapters (sold separately, see below)
▶ TLV™ (Twist-Lock with Vial) locking mechanism includes a 40-minute vial

▶ Available with locking pin & holes (the locking system guarantees no slipping of the sections)
▶ Carbon fiber and aluminum models offered

Part No. 5507-10

PART NO.	GRADS	GRADUATED LENGTH	OUTER POLE	LOCKING PIN	ADAPTER INCLUDED	
5507-10	Dual	4.36 to 7.22 ft	Aluminum		2090-12	
5507-11	Dual	1.64 to 2.30 ft	Aluminum		2090-12	
5507-13	Dual	4.36 to 7.22 ft	Carbon Fiber	Yes	2090-12	
5507-15	Dual	4.97 to 8.53 ft	Aluminum		2090-12	
5507-16	Dual	4.97 to 8.53 ft	Carbon Fiber		2090-12	
5507-17	Dual	4.97 to 8.53 ft	Carbon Fiber	Yes	2090-12	
5507-20	Dual	5.18 to 11.81 ft	Aluminum		2090-12	
5507-22	Dual	5.18 to 11.81 ft	Carbon Fiber	Yes	2090-12	
5507-30	Dual	5.41 to 15.25 ft	Aluminum		2090-12	
5527-10	Metric	1.33 to 2.20 m	Aluminum		2090-12	
5527-11	Metric	0.50 to 0.70 m	Aluminum		2090-12	
5527-13	Metric	1.33 to 2.20 m	Carbon Fiber	Yes	2090-12	
5527-15	Metric	1.51 to 2.60 m	Aluminum		2090-12	
5527-16	Metric	1.51 to 2.60 m	Carbon Fiber	Yes	2090-12	
5527-17	Metric	1.58 to 3.60 m	Carbon Fiber	Yes	2090-12	
5527-20	Metric	1.58 to 3.60 m	Aluminum		2090-12	
5527-22	Metric	1.58 to 3.60 m	Carbon Fiber	Yes	2090-12	
5527-30	Metric	1.65 to 4.65 m	Aluminum		2090-12	

Quick Change Pole Adapters

Use with SECO Quick Change Prism Poles to achieve desired height
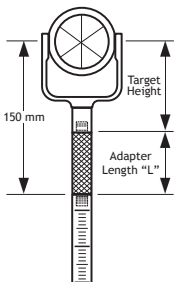
FEATURES & BENEFITS
▶ Using adapters, any of the poles in the Quick Change series can be used for GNSS, robotics or total station surveys
▶ Quick conversions to another application by changing adapters

▶ Simple adapter determinations: 150 mm minus your target height = length of adapter needed

Part No. 2090-10

PART NO.	TARGET	TARGET HEIGHT	LENGTH "L"	
2090-10	Leica GPH1	86 mm	50 mm	
2090-11	SECO 6400 Series	100 mm	50 mm	
2090-12	SECO 6400 Series	115 mm	35 mm	
2090-13	Trimble RMT	135 mm	15 mm	
2090-14	Adjustable 5/8 x 11	50 mm to 135 mm	N/A	
2090-15	GNSS Antenna	0 mm	150 mm	
2090-17	Leica Adjustable	86 mm to 125 mm	N/A	
2090-19	SECO Mini Prisms	70 mm	80 mm	
2090-21	Topcon 360 Prism	77 mm	73 mm	
2090-26	Topcon APT1/2	50 mm	100 mm	
5079-066	Laser Detector Adapter	150 mm	150 mm	

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2 mm Metric Telescoping Prism Poles

Fine metric graduation survey poles

FEATURES & BENEFITS

▶ 2 millimeter metric graduations
▶ Two models available; 135 mm HT, and 0 mm HT
▶ Extends to 8.53 ft (2.60 m)

▶ Collapses to 4.98 ft (1.52 m)
▶ Soft touch knob is easy to tighten and loosen
▶ High-visibility vial features 40-minute sensitivity

▶ Easy access screws are located underneath for quick calibration
▶ TLV™ is the most dependable locking mechanism on the market place

Part No.
5527-18-13

5527-18-13   5527-18-15

PART NO.	TIP	GRADS	WEIGHS	
5527-18-13	Fixed, 135 mm HT	cm/2 mm	4.14 lb (1.88 kg)	
5527-18-15	Fixed, 0 mm HT	cm/2 mm	4.36 lb (1.98 kg)	

Quick-Release Telescopic Prism Poles

Vials are on the locks, out of the way of the instruments on the pole

FEATURES & BENEFITS

▶ Features the Quick-Release locking mechanism with 40-minute vial

▶ Features adjustable tension via set screw in the handle and another set screw to assist in keeping the spring in position

▶ Quick-Release handle lock allows for a simple and fast setup
▶ Lock includes 40-minute level vial
▶ Constructed of powder-coated and silk screened aluminum

Part No.
5700-10

PART NO.	GRADS	SECTIONS	TIP	EXTENDED	COLLAPSED	WEIGHS	
5700-10	Dual	1	Adjustable	8.53 ft (2.60 m)	4.97 ft (1.52 m)	3.30 lb (1.50 kg)	
5720-10	Metric	1	Adjustable	8.53 ft (2.60 m)	4.97 ft (1.52 m)	3.30 lb (1.50 kg)	
5700-20	Dual	2	Adjustable	11.81 ft (3.60 m)	5.18 ft (1.58 m)	5.10 lb (2.30 kg)	

TLV and Twist-Locking Telescopic Prism Poles

The popular TLV locking system provides simple but secure locking

FEATURES & BENEFITS

▶ The aluminum twisting lock with vial (TLV) pole is wear-resistant for long life

▶ The soft rubber knob is easy to tighten or loosen, even when wearing gloves

▶ TLV locks feature a convenient 40-minute vial built into the lock
▶ Made of quality aluminum tubing
▶ Powder-coated red and white

Part No.
5500-11

PART NO.	SECTIONS	LOCK	TIP	EXTENDED	COLLAPSED	GRADS	WEIGHS	
5500-11	1	TLV Lock	Adjustable	8.53 ft (2.60 m)	4.97 ft (1.52 m)	Dual	3.30 lb (1.50 kg)	
5512-11	1	TLV Lock	Fixed	8.53 ft (2.60 m)	4.97 ft (1.52 m)	Dual	3.30 lb (1.50 kg)	
5520-11	1	TLV Lock	Adjustable	8.53 ft (2.60 m)	4.97 ft (1.52 m)	Metric	3.30 lb (1.50 kg)	
5500-21	2	TLV Lock	Adjustable	11.81 ft (3.60 m)	5.18 ft (1.58 m)	Dual	5.10 lb (2.32 kg)	
5520-21	2	TLV Lock	Adjustable	11.81 ft (3.60 m)	5.18 ft (1.58 m)	Metric	5.10 lb (2.32 kg)	
5500-30	3	Twisting Lock and Vial	Adjustable	15.25 ft (4.65 m)	5.41 ft (1.65 m)	Dual	7.60 lb (3.45 kg)	
5520-30	3	Twisting Lock and Vial	Adjustable	15.25 ft (4.65 m)	5.41 ft (1.65 m)	Metric	7.60 lb (3.45 kg)	

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Compression Lock Telescopic Prism Poles

Constructed of brass and aluminum

FEATURES & BENEFITS
▸ Compression locking mechanism
▸ Constructed of sturdy aluminum tubing and a two-stage adjustable top-threaded tip

▸ Adjustable Tip
▸ Single (1) section pole
▸ Extends 8.53 ft (2.60 m)
▸ Collapses 4.97 ft (1.516 m)
▸ Dual graduations

▸ Finished with electrostatic powder paint coating on the outer pole and permanent silk-screened grads on the inner pole
▸ Weighs 3.30 lb (1.50 kg)

Part No.
5600-10

5600-10 — Compression Prism Pole

QLV Locking Prism Poles

Simple to adjust bubble and lever tension

FEATURES & BENEFITS
▸ The QLV™ (Quick Lever with Vial) lock allows fast, simple setups
▸ Simple to adjust bubble and lever tension

▸ Includes a lock with 40-minute level vial, adjustable, or fixed tip and your choice of dual (10ths cm) or metric graduations (cm)

▸ Easy locking
▸ Powder-coated and silk screened aluminum one- or two-section poles

Part No.
5801-10

Fixed Tip   Adjustable Tip

QLV lock body

PART NO.	SECTIONS	TIP	EXTENDS	COLLAPSES	GRADS	WEIGHS
5801-10	1	Adjustable	8.53 ft (2.60 m)	4.97 ft (1.516 m)	Dual	2.95 lb (1.50 kg)
5813-10	1	Fixed	8.53 ft (2.60 m)	4.97 ft (1.516 m)	Dual	2.95 lb (1.50 kg)
5821-10	1	Adjustable	2.60 m (8.53 ft)	4.97 ft (1.516 m)	Metric	2.95 lb (1.50 kg)
5813-20	2	Fixed	12 ft (3.65 m)	5.30 ft (1.65 m)	Dual	4.05 lb (1.83 kg)
5821-20	2	Adjustable	3.65 m (12 ft)	5.30 ft (1.65 m)	Metric	4.05 lb (1.83 kg)

Ultralite Prism Poles

Non-conductive fiberglass

FEATURES & BENEFITS
▸ The lightest pole offered by SECO
▸ Included in this package is Crain's patented Topo Boot®

▸ Reduced weight SECO TLV™ lock
▸ Features a 40-minute adjustable vial, a soft touch knob, and an adjustable 5/8 x 11 tip

▸ The inner and outer poles are constructed of lightweight non-conductive fiberglass

Part No.
5540-10

PART NO.	SECTIONS	TIP	LENGTH	VIAL	GRADS	WEIGHS
5540-10	1	Adjustable	8.58 ft (2.62 m)	40-minute	Dual	1.95 lb (0.88 kg)
5541-10	1	Adjustable	2.62 m (8.58 ft)	40-minute	Metric	1.95 lb (0.88 kg)
5540-20	2	Adjustable	11.81 ft (3.60 m)	40-minute	Dual	2.50 lb (1.13 kg)
5541-20	2	Adjustable	3.60 m (11.81 ft)	40-minute	Metric	2.50 lb (1.13 kg)
5540-30	3	Adjustable	15.27 ft (4.65 m)	40-minute	Dual	3.15 lb (1.43 kg)
5541-30	3	Adjustable	4.65 m (15.27 ft)	40-minute	Metric	3.15 lb (1.43 kg)

Contractor Series TLV Prism Poles

Import TLV prism poles

FEATURES & BENEFITS
▶ These 'no-frills' imported poles are designed to give service in the field at a lower purchase price

▶ TLVs and Twist-Locks include 40-minute level vials
▶ Aluminum outer and inner pole
▶ Hardened steel points

▶ Your choice of metric (cm) or dual (cm/10ths) graduations
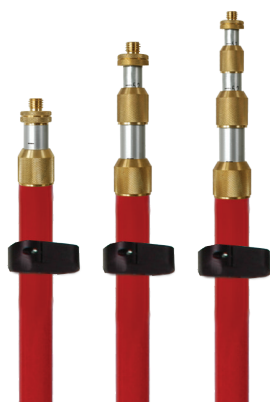▶ Traditional red and white color with Crain logo

Part No.
5530-10

PART NO.	SECTIONS	TIP	LENGTH	POLE TYPE	GRADS	WEIGHS	
5530-10	1	Adjustable	8.53 ft (2.60 m)	Aluminum	Dual	2.67 lb (1.21 kg)	
5531-10	1	Adjustable	2.60 m	Aluminum	Metric	2.67 lb (1.21 kg)	
5530-20	2	Adjustable	11.81 ft (3.60 m)	Aluminum	Dual	3.65 lb (1.66 kg)	
5531-20	2	Adjustable	3.60 m	Aluminum	Metric	3.65 lb (1.66 kg)	
5530-30	3	Adjustable	15.25 ft (4.65 m)	Aluminum	Dual	5.38 lb (2.44 kg)	
5531-30	3	Adjustable	4.65 m	Aluminum	Metric	5.38 lb (2.44 kg)	

Contractor Series Compression Lock Poles

Traditional Compression lock import prism poles

FEATURES & BENEFITS
▶ These 'no-frills' imported poles are designed to give service in the field at a lower purchase price

▶ Your choice of metric (cm) or dual (cm/10ths) graduations
▶ Aluminum outer and inner pole
▶ 40-minute level vials

▶ Adjustable tip
▶ Hardened steel points
▶ Red and white color with Crain logo

Part No.
5631-10

PART NO.	SECTIONS	TIP	LENGTH	POLE TYPE	GRADS	WEIGHS	
5631-10	1	Adjustable	2.60 m (8.53 ft)	Aluminum	Metric	2.65 lb (1.20 kg)	
5631-20	2	Adjustable	3.60 m (11.81 ft)	Aluminum	Metric	3.45 lb (1.56 kg)	
5631-30	3	Adjustable	4.65 m (15.25 ft)	Aluminum	Metric	5.00 lb (2.27 kg)	

Offset Tools

▶ Used with total stations and prism poles to help get accurate elevation measurements in hard-to-reach places ⌐ Has an adjustable centerline, 1.60 to 1.00-ft (48.76 to 30.48-cm) in 0.20-ft (6.09-cm) increments
▶ Constructed of anodized 1/2 inch thick aluminum
▶ Includes brass male 5/8 x 11 threaded post and a stainless steel 5/8 x 11 Heli-Coil®
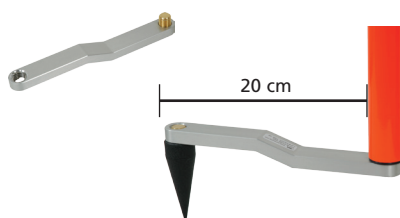▶ Weighs 1.15 lb (0.52 kg)

▶ By screwing off the point of a standard prism pole and attaching the point to the offset bar, pole users are able to get into sewer pipes easily without having to do extra calculations for elevations
▶ Constructed of heavy duty 6061 aluminum and is anodized clear
▶ Overall length is 8.87 inches (22.5 cm)
▶ The sewer invert offset bar maintains exact pole elevation readings
▶ Features include a brass male 5/8 x 11 and a stainless steel 5/8 x 11 Heli-Coil®
▶ Weighs 0.45 lb (0.20 kg)

▶ Perform odd setups and stay away from dangerous situations with the Offset Pole Holder Kit
▶ Combine the kit with any 5/8 x 11 threaded pole and a Heads-Up™ Level for a safe and sturdy setup
▶ A padded case, hex wrench, and an adapter plate for instrument tripods is included
▶ Weighs 1.79 lb (0.81 kg)

Maintains Exact Pole Elevation Readings!

5198-163 — Adjustable Offset Bar

20 cm

5198-162 — Sewer Invert Offset Bar

5198-157 — Offset Pole Holder Kit

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Prism Adapters, Tips and Topo Shoes

▸ Adapts Swiss-style snap-on prisms to 5/8 x 11 tribrach adapter or prism pole
▸ Weighs 0.06 lb (0.03 kg)

2080-SS — Wild Prism Adapter
2080-00 — Wild Prism Adapter

▸ 5/8 x 11 adapter
▸ Weighs 0.06 lb (0.03 kg)

5180-00 — Double Male Adapter

▸ Adapts Swiss-style prism poles to 5/8 x 11
▸ Weighs 0.06 lb (0.03 kg)

2090-00 — Wild Prism Pole Adapter

▸ 3.37-inch (85.6-mm) steel body
▸ Weighs 0.30 lb (0.14 kg)

5190-00 — Prism Pole Point

▸ 3.37-inch (85.6-mm) aluminum body
▸ Weighs 0.34 lb (0.15 kg)

5191-00 — Prism Pole Topo Shoe

▸ Exclusive on Crain's poles, the Topo-Boot® screws over the precision point and increases the area of the point for the use on soft surfaces in topo shots
▸ Removable and stores conveniently under the large, easy-to-read vial
▸ Weighs 0.05 lb (0.02 kg)

91601 — Crain Topo-Boot

▸ 3.37-inch (85.6-mm) length, 64 mm OD with steel body
▸ Weighs 1.26 lb (0.57 kg)

5192-00 — Wide Base Topo Shoe

▸ Allows easy conversions from 'control' to 'topo' surveys

5192-02 — Topo Shoe and Point Combo

▸ 3.37-inch (85.6-mm) steel body, removable point
▸ Weighs 0.30 lb (0.14 kg)

5194-00 — Prism Pole Point with Replaceable Plumb Bob Point

▸ 3.37-inch (85.6-mm) anodized aluminum body, dull steel point
▸ Weighs 0.16 lb (0.07 kg)

5194-03 — Lightweight Prism Pole Point with Replaceable Tip

▸ Features an 'L-Bracket' to rest the prism pole point on and the adjustable top piece
▸ Convenient for adjusting and calibrating pole vials in the office
▸ Use the adjustable top to center your pole before adjusting the bubble
▸ Weighs 1.00 lb (0.45 kg)

5195-01 — Pole Peg Adjusting Jig

▸ Hardened steel replacement point for 5194-series
▸ Weighs 0.06 lb (0.03 kg)

5194-003 — Prism Pole Sharp Point

▸ The point features an aluminum body and an easy-to-replace steel point
▸ Male 5/8 x 11 Thread
▸ Weighs 0.16 lb (0.07 kg)

5194-04 — Point Assembly

▸ This point features an anodized aluminum body and an easy-to-replace steel point
▸ Weighs 0.16 lb (0.07 kg)

5194-05 — Prism Pole Point

▸ This prism allows for easy determination of right angle points or perpendicular points between two targets

4900-00 — Double Right-Angle Prism

▸ 3.37-inch (85.6-mm) aluminum body
▸ Removable point
▸ Weighs 0.10 lb (0.05 kg)

5194-01 — Aluminum Replaceable Point

▸ The Center Punch Point fits all poles or products with male 5/8 x 11 threads
▸ The hardened steel point will mark all metal and non-metal surfaces
▸ Weighs 0.20 lb (0.09 kg)

5194-10 — Center Punch Point

▸ Crain's Stedi-Rest® fits any 1.25 to 1.5 inch (31.75 to 38.1-mm) pole and can take the place of three separate products
▸ Weighs 0.15 lb (0.07 kg)

91641 — Stedi-Rest

▸ Use this adapter if you have a 1 inch OD pole and want to use a Claw™ pole clamp
▸ Weighs 0.03 lb (0.01 kg)

D11145 —1 inch OD Pole Adapter

▸ 2-inch (50.8-mm) diameter chrome-plated steel housing with grade-8 ceramic magnet ring
▸ Standard topo shoe length, 3.375-inch (85.7-mm)
▸ Magnet has 40 pounds of pull force on 3/8-inch (9.5-mm) clean steel plate
▸ Female 5/8 x 11 threads are machined brass
▸ Black anodized machined 6061 aluminum body
▸ Tilting pivot allows measurement on sloped or flat pipe surfaces
▸ Weighs 0.55 lb (0.25 kg)

▸ 5/8 x 11 Double Female Adapter
▸ Weighs 0.08 lb (0.04 kg)

5181-00 — Double Female Adapter

▸ 3.37-inch (85.6-mm) aluminum with steel tip
▸ Weighs 0.01 lb (0.004 kg)

91605 — Aluminum Prism Pole Point and Steel Tip

▸ 5/8 x 11 Female to ¼ x 20 Female Adapter
▸ Weighs 0.20 lb (0.09 kg)

2131-00 — Prism Pole Adapter
2131-01 — Prism Pole Adapter

5193-04 — Tilting Magnetic Topo Shoe

Pole Extensions

Aluminum, carbon fiber or fiberglass extensions

FEATURES & BENEFITS

▶ The pole extensions have 5/8 x 11 female threads on the bottom and 5/8 x 11 male threads on the top to allow more added sections

▶ Choose powder-painted aluminum, carbon fiber, or fiberglass

PART NO.	OUTSIDE DIAMETER	LENGTH	POLE TYPE	WEIGHS	
5182-001	1 in (25 mm)	3 in (7.62 cm)	Aluminum	0.40 lb (0.18 kg)	
5132-00-ACL	1 in (25 mm)	6 in (15.2 cm)	Aluminum	0.50 lb (0.23 kg)	
5130-01-FLY	1 in (25 mm)	1 ft (30.5 cm)	Aluminum	1.00 lb (0.45 kg)	
5130-01-YEL	1 in (25 mm)	1 ft (30.5 cm)	Aluminum	1.00 lb (0.45 kg)	
5902-00-FLY	1 in (25 mm)	50 cm (19.69 in)	Aluminum	0.70 lb (0.32 kg)	
5131-01-FLY	1 in (25 mm)	2 ft (61 cm)	Aluminum	1.10 lb (0.50 kg)	
5901-00-FLY	1 in (25 mm)	1 meter (39.37 in)	Aluminum	1.10 lb (0.50 kg)	
5110-01-FLY	1 in (25 mm)	4 ft (1.22 m)	Aluminum	1.30 lb (0.59 kg)	
5145-00-FLY	1.25 in (32 mm)	25 cm (9.84 in)	Aluminum	0.90 lb (0.41 kg)	
5130-00-FLY	1.25 in (32 mm)	1 ft (30.5 cm)	Aluminum	1.00 lb (0.45 kg)	
5144-00-FLY	1.25 in (32 mm)	50 cm (19.69 in)	Aluminum	1.00 lb (0.45 kg)	
5131-00-YEL	1.25 in (32 mm)	2 ft (61 cm)	Aluminum	1.10 lb (0.50 kg)	
5143-00-FLY	1.25 in (32 mm)	1 meter (39.37 in)	Aluminum	1.30 lb (0.59 kg)	
5110-00-FLY	1.25 in (32 mm)	4 ft (1.22 m)	Aluminum	1.30 lb (0.59 kg)	
5145-04	1 in (25 mm)	20 cm (7.87 in)	Carbon Fiber	0.30 lb (0.14 kg)	
5145-03	1 in (25 mm)	25 cm (9.84 in)	Carbon Fiber	0.35 lb (0.16 kg)	
5143-03	1 in (25 mm)	1 meter (39.37 in)	Carbon Fiber	0.70 lb (0.32 kg)	
5145-02	1.25 in (32 mm)	25 cm (9.84 in)	Carbon Fiber	0.35 lb (0.16 kg)	
5144-02	1.25 in (32 mm)	50 cm (19.69 in)	Carbon Fiber	0.50 lb (0.23 kg)	
5143-02	1.25 in (32 mm)	1 meter (39.37 in)	Carbon Fiber	0.70 lb (0.32 kg)	
5130-10	1.25 in (32 mm)	0.20 meter (7.87 in)	Fiberglass	0.34 lb (0.15 kg)	

Range Poles

▶ Single 4-foot (1.22-m) section range pole
▶ 1.13-in (29-mm) outside diameter
▶ Includes bag (no point included)
▶ Weighs 1.50 lb (0.68 kg)

5160-02-WOR — Contractor Series 4-ft Range Pole

▶ Two 4-ft (1.22 m) sections creating 8-ft (2.44-m) range pole
▶ 1.13-in (29-mm) outside diameter
▶ Includes point and bag
▶ Weighs 3.40 lb (1.54 kg)

5140-02-WOR — Contractor Series 8-ft Range Pole

▶ Three 4-foot (1.22-m) sections creating 12-ft (3.66-m) range pole
▶ 1.13-in (29-mm) outside diameter
▶ Includes point and bag
▶ Weighs 5.00 lb (2.27 kg)

5150-02-WOR — Contractor Series 12-ft Range Pole

seco

Bipods & Tripods

‣ Carbon Fiber Thumb Release Bipod uses the same design concepts as the SECO aluminum Thumb Release Bipod, but weighs less
‣ 1- to 1.25-inch (25.6- to 32-mm) diameter poles attach easily through the open clamp
‣ 1.5-inch (38.1-mm) OD poles can be loaded through the top
‣ Collapses to 43-inches (109-cm)
‣ Legs (independently) extend to 6-feet (1.8-m)
‣ Weighs 4.10 lb (1.86 kg)

5219-03 — Carbon Fiber Thumb Release Bipod

‣ The tripod features a ball-and-socket head, which makes leveling a bubble easy
‣ Legs extend from 2.62- to 4.17-ft (80-cm to 1.3-m)
‣ The rubberized jaws hold a pole (up to 2-inch (51-mm) OD) firmly in place
‣ Weighs 2.65 lb (1.20 kg)

Alligator clamp with rubberized jaws!

5214-00 — Alligator Clamp Prism Pole Tripod

‣ The Carbon Fiber Thumb Release Tripod features a large 5-lobe soft touch rubber clamping knob, and legs of super strong, lightweight carbon fiber
‣ Legs collapses to 43-inches (109-cm)
‣ Legs extend to 6-ft (1.8-m)
‣ Weighs 4.10 lb (1.86 kg)

5219-05 — Carbon Fiber Thumb Release Tripod

‣ This open-clamp head bipod features a Quick Lever™ locking mechanism that makes attaching or detaching the pole lightning fast — the lever cam action is mechanically simple and holds tight
‣ Locking mechanism is made of non-marring Delrin® with
‣ an EPDM 80-durometer rubber plug for positive grip
‣ Works with 1.25-inch (32-mm) OD poles
‣ Available in flo yellow, flo orange, red and yellow
‣ Pole shown, sold separately
‣ Weighs 4.20 lb (1.90 kg)

5217-50-FOR — Quick Lever Bipod with Thumb Release Legs

‣ This tripod is ideal for use with poles under 24-inches (61-cm) long 1- to 1.5-inch (25.4- to 38.1-mm) diameter poles thread easily through the open clamp on top
‣ Legs are fixed at 12-inches (30.5-cm) each
‣ Includes stainless steel clamp screw and rubber tips
‣ Rod not included
‣ Weighs 1.30 lb (0.60 kg)

5218-15-ABK — Mini Tripod with 12 inch Legs

‣ The bipod leg clip easily attaches to the base of any 1.25-inch (32-mm) OD prism or antenna pole
‣ The bipod legs snap into the clip making the system convenient for transport or storage
‣ Weighs 0.04 lb (0.02 kg)

5217-30 — Bipod Leg Clip

‣ The Mini Bipod utilizes the same design concepts as the popular 5217-04 bipod, just shorter (see below)
‣ Poles 1- to 1.25-inch (25.6- to 32-mm) diameter attach easily through the open clamp
‣ Poles 1.5-inch (38.1-mm) OD can load through the top
‣ Collapses to 25 inches (63.5 cm)
‣ Extends to 35 inches (88.9 cm)
‣ Leg clip is included (5217-30)
‣ Available colors: yellow, flo yellow, and flo orange
‣ Order 8180-00-ORG for carrying case
‣ Weighs 3.50 lb (1.60 kg)

5217-05-YEL — Thumb Release Mini Bipod

‣ Thumb-Release™ Tripods creates free-standing GNSS antenna poles or prism poles
‣ The thumb lock design allows adjustment of tension without disassembly of the leg
‣ Universal head accommodates poles from 1- to 1.25-inch (25.6- to 32-mm) OD
‣ Legs extend (independently) to 6-ft (1.8-m)
‣ Feature large, smooth, thumb release buttons
‣ Constructed of powder-coated aluminum
‣ Available colors: flo orange, flo yellow, red and yellow
‣ Weighs 6.00 lb (2.60 kg)

5218-02-FLY — Original Thumb Release Tripod
5218-40-YEL — Crain Thumb Release Tripod (Includes Crain logo)

‣ A surveyor can set up a free-standing GNSS antenna pole or prism pole
‣ Poles 1- to 1.25-inch (25.6- to 32-mm) OD attach through the open clamp
‣ 1.5-inch (38.1 mm) OD poles can be loaded through the top
‣ Legs (independently) extend to 6 feet (1.8 m)
‣ Collapses to 43 inches (109 cm)
‣ Available colors: flo yellow, flo orange, red and yellow
‣ Order 8180-00-ORG for carrying case
‣ Weighs 4.25 lb (1.93 kg)

5217-04-YEL — Original Thumb Release Bipod
5217-40-FLY — Crain Thumb Release Bipod (Includes Crain logo)

‣ The Mini Prism Mono Pod Kit forms a stable base with your 6000-Series Mini Prism (sold separately, 6405-10-FOR)
‣ Kit is easy to set up and can be used by just one person
‣ Ideal for: construction surveys, inspections, asbuilts, and many other applications
‣ Add a standard 5/8 x 11 extension to the kit to achieve heights to four feet
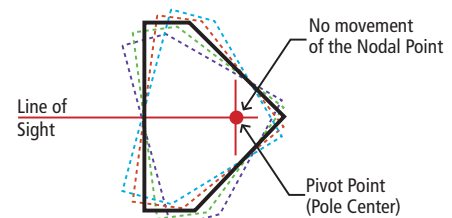‣ Weighs 2.25 lb (1.02 kg)

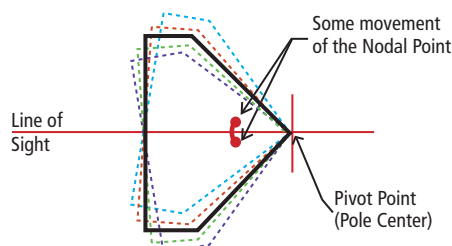**5216-00 — Mini Prism Mono Pod Kit**

▶PRISMbasics

Prism Offsets

▶ Corner cube prisms (or retroreflectors) used with electronic distance measuring (EDM) instruments have an offset due to the fact that the transmitted light beam from the EDM takes longer to enter and exit the prism. This longer time translates to a longer distance measured. This distance is corrected by using an 'offset' and/ or positioning the prism in relationship to the plumb line of the prism holder. The offset is determined by multiplying the height of the prism by the refractive index of the glass used. Common offsets are 0, -17.5 mm, -30 mm, -34 mm, and -40 mm.
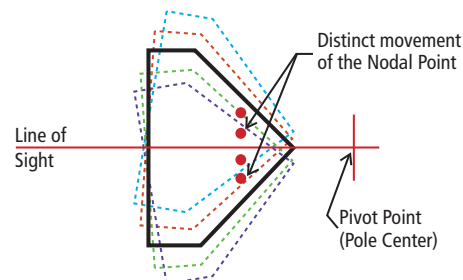
Nodal Offsets

▶ A nodal offset is defined by the relationship of the prism holder and prism that places the optical center of the prism on the plumb line of the holder. This offset is the most advantageous at close range work when the apex or center of the prism is used as a pointing target for vertical and horizontal angle measurement. Every prism has a nodal offset. Prisms and holders that are not in the nodal position however, can cause angular errors when using the prism apex as a target if it is not perfectly pointed toward the measuring instrument.

▶ To reduce pointing errors, several SECO prism assemblies are designed with a nodal point alignment at -17.5 (for 25 mm prisms) or -40 mm offset (for 62 mm prisms). See illustration at right.

▶ Commonly, the best reading of the beam is achieved when the prism face is perpendicular to the incoming beam for a parallel return. Unfortunately, ideal alignment is not always achieved in the field.

▶ To compensate for pointing errors, nodal point alignment minimizes the error associated with misalignments (two illustrations below).

No movement
of the Nodal Point

Line of
Sight

Pivot Point
(Pole Center)

at -17.5 or -40 mm Offset

Some movement
of the Nodal Point

Line of
Sight

Pivot Point
(Pole Center)

Non-Aligned at -30 mm Offset

Distinct movement
of the Nodal Point

Line of
Sight

Pivot Point
(Pole Center)

Non-Aligned at 0 mm Offset

Prism Range

▶ Corner cube prisms redirect the measuring beam back to the EDM for signal processing. There are two main factors for good range measurement: prism diameter and beam deviation. If the beam deviation is not accurate enough, the returned beam will miss the EDM entirely. This occurs mainly near the maximum range of the EDM (check with your manufacturer). SECO standard prisms are <5 seconds. Higher accuracy prisms are also available.

Prism Holder Accuracy

▶ Prism accuracy is determined by the physical location of the prism in its canister and then to its holder. SECO prism accuracy is 1 mm or less.

▶ SECO uses a **ZYGO GPI-XP/D interferometer** to test and confirm the beam deviation of prisms to ensure that they meet specifications. Certificates of compliance are available upon request. Come see us for more details.

62 mm Rear Screw Lock Premier Prism Assembly

Rear locking brass thumb screw

FEATURES & BENEFITS
▶ Tilting holder is anodized aluminum and features a 62 mm copper-coated canister prism

▶ Features an improved brass locking thumb screw design and a light but durable metal holder
▶ Tilting axis height is 115 mm

▶ Mounted in either 0 or -30 mm offset positions

Part No.
6402-02-FLB

PART NO.	TARGET COLOR	TARGET SIZE	WEIGHS	
6402-02-FLB	Flo Yellow with Black	6 x 9 in	1.75 lb (0.79 kg)	
6402-02-FOB	Flo Orange with Black	6 x 9 in	1.75 lb (0.79 kg)	
6402-02-YLB	Yellow with Black	6 x 9 in	1.75 lb (0.79 kg)	
6422-02-FLB	Flo Yellow with Black	5.5 x 7 in	1.59 lb (0.72 kg)	
6422-02-FOB	Flo Orange with Black	5.5 x 7 in	1.59 lb (0.72 kg)	
6422-02-YLB	Yellow with Black	5.5 x 7 in	1.59 lb (0.72 kg)	

62 mm Rear Lever Lock Premier Prism Assembly

Rear locking stainless steel lever

FEATURES & BENEFITS
▶ The heavy-duty 62 mm silver-coated prism is sealed in a strong canister with an 'O' ring to prevent water and dust from getting inside

▶ Incorporates a simple stainless steel locking mechanism that's easy to set while adjusting the prism and target tilt
▶ Prism can be mounted in either 0 or -30 mm offset positions

▶ 115 mm tilting axis height
▶ Two target sizes and three color combinations are available

Part No.
6402-20-FLB

PART NO.	TARGET COLOR	TARGET SIZE	WEIGHS	
6402-20-FLB	Flo Yellow with Black	6 x 9 in	1.75 lb (0.79 kg)	
6402-20-FOB	Flo Orange with Black	6 x 9 in	1.75 lb (0.79 kg)	
6402-20-YLB	Yellow with Black	6 x 9 in	1.75 lb (0.79 kg)	
6422-20-FLB	Flo Yellow with Black	5.5 x 7 in	1.59 lb (0.72 kg)	
6422-20-FOB	Flo Orange with Black	5.5 x 7 in	1.59 lb (0.72 kg)	
6422-20-YLB	Yellow with Black	5.5 x 7 in	1.59 lb (0.72 kg)	

62 mm Strobe Prism Premier Assembly

62 mm strobe prism assembly

FEATURES & BENEFITS
▶ Combines the premier target and holder with a strobe prism

▶ Features a strobing LED light which flashes every 0.5-second (6416-00)

▶ Perfect for low light conditions
▶ Tilting axis height is 115 mm
▶ Weighs 1.35 lb (0.62 kg)

Part No.
6402-03-FLB

PART NO.	TARGET COLOR	TARGET SIZE	
6402-03-FLB	Flo Yellow with Black	6 x 9 in	
6402-03-FOB	Flo Orange with Black	6 x 9 in	
6402-03-YLB	Yellow with Black	6 x 9 in	

-35 mm Premier Prism Assembly

Works with Trimble and Zeiss Total Stations

FEATURES & BENEFITS
- Features a -35 mm offset and a prism accuracy of <5 seconds
- Mounting base features standard female 5/8 x 11 threads

- Tilting holder is constructed of anodized aluminum
- Height of the prism in the holder is 100 mm

- 62 mm silver-coated prism is encased in a heavy-duty canister with M20 threads
- Weighs 1.75 lb (0.80 kg)
- Nodal

Part No.
6402-05-FLB

PART NO.	TARGET COLOR	TARGET SIZE	
6402-05-FLB	Flo Yellow with Black	6 x 9 in	
6402-05-FOB	Flo Orange with Black	6 x 9 in	
6402-05-YLB (shown)	Yellow with Black	6 x 9 in	

-30 and 0 mm Premier Prism Assembly

Works with Nikon, Topcon & Sokkia Total Stations

FEATURES & BENEFITS
- 62 mm copper-coated prism is encased in a heavy-duty canister with M20 threads

- Features a -30 and 0 mm offset
- Height of the prism in the holder is 100 mm
- Tilting holder is constructed of anodized aluminum

- Prism accuracy of <5 seconds
- Mounting base features standard female 5/8 x 11 threads
- Weighs 1.75 lb (0.80 kg)

Part No.
6402-06-FLB

PART NO.	TARGET COLOR	TARGET SIZE	
6402-06-FLB	Flo Yellow with Black	6 x 9 in	
6402-06-FOB	Flo Orange with Black	6 x 9 in	
6402-06-YLB (shown)	Yellow with Black	6 x 9 in	

Contractor Series 62 mm Prism Assembly

Standard prisms

FEATURES & BENEFITS
- Features a 62 mm copper-coated canister type prism
- Water-resistant and has a M20 universal mounting thread

- Tilting holder is powder-painted die cast aluminum
- Uses a simple but proven locking system

- Mounted in either 0 or -30 mm offset positions
- Tilting axis height is 115 mm
- Weighs 1.35 lb (0.62 kg)

Part No.
6402-10-FOB

6402-10-FOB — Construction Series Prism Assembly in Flo Orange with Black (shown)
6402-10-FLB — Construction Series Prism Assembly in Flo Yellow with Black
6402-10-YLB — Construction Series Prism Assembly in Yellow with Black

Tilting Triple Prism Assembly

Complete system is perfect for longer distances

FEATURES & BENEFITS
- Made from orange polycarbonate with metal inserts and an aluminum yoke
- H.T. is 97 mm

- Holds one to three prisms, is compatible with most screw-in prisms
- Has a peep sight for pointing the holder, perfect for longer distances

- Includes three sealed copper-coated 62 mm prisms in black canisters (6411-02-BLK)
- 0 and -30 mm prism offset
- Weighs 2.70 lb (1.23 kg)

Part No.
6341-00

6341-11

6341-00

6341-00 — Tilting Triple Prism Assembly
6341-11 — Tilting Triple Prism Target

sēco

Adjustable Dual Prism

Allows accurate measurements from two or more directions or stations

FEATURES & BENEFITS

▶ The Adjustable Dual Prism is the newest addition to our 6603-Series for mining, tunneling, monitoring and rail
▶ Minimal horizontal angle is 84° (Hex tool included)

▶ Compatible with standard surveying 5/8 x 11 accessories
▶ Holders can be stacked for more than two prisms or an GNSS Receiver can be connected on the top 5/8 x 11 stud so an GNSS measurement can also be made

▶ Includes two 62 mm silver coated, water-resistant prisms, accuracy < 2 arc seconds
▶ Prism holder is machined from 303 stainless-steel
▶ Zero (0) prism offset, ±1 mm
▶ Weighs 2.60 lb (1.18 kg)

Part No.
6603-03

6603-03 — Adjustable Dual Prism

Sliding Prism with Tilting Reflector

Use with SECO's 5120-Series Geodimeter Style Prism Pole or Site Rod
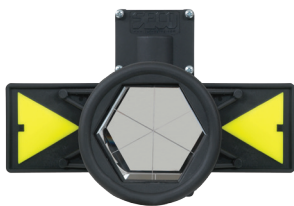
FEATURES & BENEFITS

▶ The 6455-00 attaches to the bottom of the graduated section of the pole so heights can be taken close to the ground

▶ Includes a, large, 2.5 inch (63.5 mm) silver-coated prism with protective rubber ring
▶ 0 offset and 40-min leveling vial
▶ Tilts in 15° increments, spring locked

▶ Large easy-to-use clamping knob
▶ Targets made of fluorescent-yellow translucent polycarbonate
▶ Weighs 0.81 lb (0.37 kg)

Part No.
6455-00

6455-00 — Sliding Prism with Tilting Reflector

Eclipse 62 mm Nodal Point Prism Assembly

Can be offset to -40 mm

FEATURES & BENEFITS

▶ The Eclipse™ prism assembly features a water-resistant, nitrogen-charged, 62 mm prism canister and reversible target

▶ Can be set at a -40 mm, which offers optimal angle measurements, even when tilting in either the horizontal or the vertical axis

▶ Height to center of glass: 0.38 ft (115 mm)
▶ -30 mm adapter is included
▶ Weighs 1.15 lb (0.52 kg)

Part No.
6400-00

6410-00

6400-00

NODAL POINT

6410-018

6400-00 — Eclipse 62 mm Nodal Point Prism Assembly
6410-00 — -30, -40 Offset Eclipse Prism Holder
6410-018 — 0 Offset Adapter for Eclipse Prism Assembly

62 mm Nodal Point Prism Assembly

Can be offset to -40 mm
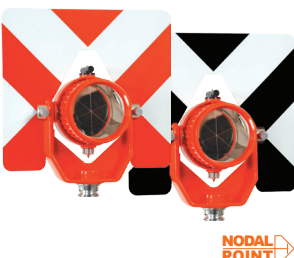
FEATURES & BENEFITS

▶ The import assembly features a polycarbonite holder, three prism offset positions, 0, -30 and -40 (nodal)

▶ The 62 mm prism is silver-coated and has a <5-second accuracy
▶ The height to center of glass: 0.33 ft (100 mm)

▶ The reversible non-tilting metal target comes in orange & white and black & white
▶ Weighs 1.45 lb (0.66 kg)

Part No.
6400-10

NODAL POINT

6400-10 — Nodal Point 62 mm Prism Assembly

Prism Assemblies

▸ Includes copper-coated 62 mm prism (6411-02)
▸ -30 mm offset aluminum prism holder, sealed with a rugged corrosion-proof electrostatic powder paint coating
▸ Available in flo yellow, flo orange (shown) and yellow
▸ Weighs 1.50 lb (0.68 kg)

6440-00-FOR — Single Prism Tilting Assembly

▸ This high-quality GPH1 Swiss-style prism assembly features a coppercoated prism for consistent results and a removable target
▸ Metal prism holder
▸ Reversible target (long and short range, long range shown)
▸ Coating: Copper High Reflex coating and anti-reflex on front
▸ Offset: -34 mm, Nodal
▸ Diameter: 64,9 mm
▸ Centring accuracy: 1 mm
▸ Carrying case included
▸ Height: 86 mm
▸ Weighs 1.32 lb (0.60 kg)

Long Range Target

GEOPRISM — Surveying Prism with Metal Housing

▸ The Eclipse™ mini system includes: a Mini Tilting Prism; plumb bob attachment; Mini Bob Prism Mount; Point, and Belt Case
▸ 0 and -30 offsets
▸ Black hardware
▸ Case included
▸ Weighs 0.30 lb (0.14 kg)

6450-00-BLK — Tilting Mini Prism System

▸ -34 mm offset prism
▸ 86 mm H.T
▸ Weighs 0.92 lb (0.42 kg)

6406-00 — Nodal Point 62 mm Prism Assembly

Mini and Stakeout Prisms

▸ The Mini Stakeout Prism with Site Cones features a 25 mm, copper-coated prism, aluminum double yoke construction with tilting coaxial target
▸ Two on-board 130-minute vials — top and bottom
▸ Includes replaceable plumb bob point
▸ 0 and -30 mm offset
▸ Includes carrying case
▸ Weighs 0.62 lb (0.28 kg)

6405-01-FOR — 25 mm Stakeout Prism Assembly - Flo Orange
6405-01-FLY — 25 mm Stakeout Prism Assembly - Flo Yellow

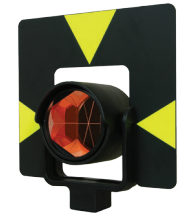▸ The 25 mm Stakeout Prism Assembly features 'site cones' that improve vertical angle pointing — the site cones double as tilting-axis lock knobs
▸ Adjustable 40-min vial is mounted on the front side
▸ and is easy to see and simple to adjust
▸ Includes carrying case
▸ Weighs 0.30 lb (0.14 kg)

PART NO.	OFFSET	COLOR
6405-10-FLY	0 / -30 offset	Flo Yellow
6405-10-FOR	0 / -30 offset	Flo Orange
6405-12-FLY	-17.5 offset (Nodal)	Flo Yellow
6405-12-FOR	-17.5 offset (Nodal)	Flo Orange

▸ The white site cones on X and Y axis of the assembly help improve centering of your instrument's crosshairs for vertical and horizontal pointing
▸ Used in four height configurations: 50 mm, 100 mm, 115 mm and 150 mm, top or bottom of the pole, handheld, or tribrach mounted
▸ Choose between 0/-30 mm or -17.5 mm (nodal) offsets
▸ Weighs 0.80 lb (0.36 kg), 1.30 lb (0.59 kg) with heavy-duty point

6405-11-FOR — Stakeout Mini Prism Kit - 0 / -30 mm offset - Flo Orange
6405-11-FLY — Stakeout Mini Prism Kit - 0 / -30 mm offset - Flo Yellow
6405-13-FOR — Stakeout Mini Prism Kit - Nodal -17.5 mm offset

▸ Here's a versatile prism system in a small package
▸ Assembly features a 25 mm copper-coated prism, for fog prevention, a tilting holder, with friction axis, 0 or -30 mm offset
▸ Can mounted on a prism pole or tribrach at three heights: 70 mm, 100 mm, 115 mm, or can be hand-held using the plumb bob bracket or with S-hook for quick attachment to plumb bob
▸ Includes a 40-minute adjustable circular center or side mounted vial
▸ Also included a point for stake-out work, and a system bag with belt loop
▸ Powder painted flo orange
▸ Weighs 0.34 lb (0.15 kg)

6200-10-FOR — Mini Prism System with Center Vial
6200-11-FOR — Mini Prism System with Side Vial (shown)

seco

Sliding Prisms and Pin Pole Kits

Site cones double as locks

▶ Prism assembly slides up and down the pin pole
▶ Features a 25 mm, 0 offset silver-coated prism and a high quality aluminum holder
▶ Kit includes four 1-foot (30.5-cm) pole sections each with a 0.50-ft (15.24-cm) mark
▶ Site cones double as locks
▶ 40-minute adjustable vial on prism
▶ Prism includes an adapter so it can be used on any pole or tribrach adapter with 5/8 x 11 threads
▶ A system bag is also included
▶ Weighs 1.40 lb (0.63 kg)

5910-05 — Feet, 0 Offset (shown)
5910-06 — Metric, 0 offset

▶ This Reflector Pin Pole kit is ideal for use with reflectorless total station instruments
▶ The target holder is machined anodized aluminum and allows the target to tilt 360°
▶ 40-minute vial is built in
▶ Comes with four aluminum 30-cm pole sections, prism and system case
▶ 5 cm point is a special three-piece nonconductive design
▶ Weighs 1.45 lb (0.66 kg)

5910-10 — Reflector Pin Pole Kit

▶ Platform creates a very stable setup using standard cinder blocks (not included) as weights - sand bags may also be used
▶ Sections can be added for more height
▶ Sections hold 8 x 16-in (20.3 x 40.6-cm) cinder blocks
▶ 36-inches (91.44-cm) long with standard pipe threads
▶ Ideal for network reference station installers who want to evaluate a site for multi-path before committing to the installation
▶ Does not need any permanent attachment to the building
▶ Removable 5/8 x 11 adapter
▶ Folds up for portability and includes tools and a system carrying bag
▶ Weighs (without blocks) 25 lb (11.34 kg)

5910-24 — Sliding 360° Prism Kit

▶ The 12.2 mm OD pin pole features three sections - each 60 cm in length to achieve 5.91 ft (1.8 m); each color section (red or white) is 10 cm in length
▶ An adjustable 40-minute circular vial is built in to the prism holder
▶ 25 mm sliding prism system features a silver-coated prism with a 0 offset
▶ The holder easily slides up and down the pole, the knobs lock in height and tilt – they also double as vertical angle targets
▶ Other features include a replaceable stainless steel point on the pole, accessory kit with plumb bob hook and cone for attachment to the prism for handheld applications and a system bag
▶ Weighs 1.95 lb (0.90 kg)

6600-10 — Pin Pole with Sliding 25 mm Prism System

▶ This Euro-Style Pole System features a 40-minute adjustable vial, white sight cones and a 5/8 x 11 adapter for standard prism poles (for height of 115 mm)
▶ All 30 cm sections are anodized aluminum
▶ A carrying case is also included
▶ Weighs 1.60 lb (0.73 kg)

PART NO.	OFFSET	
5910-01-ARD	0 / -30 offset	
5910-02-ARD	-17.5 offset (Nodal)	

Prism Assembly Components

Customize your own prism solution

▶ 62 mm Nitrogen filled prism with hermetically sealed canister
▶ Features <5-second accuracy

6411-00

▶ 62 mm copper-coated prism with sealed canister
▶ Features <5-second accuracy

6411-02-BLK

▶ 62 mm silver-coated prism with heavy-duty sealed canister
▶ Features <5-second accuracy

6411-03-BLK

▶ 62 mm silver-coated prism with heavy-duty sealed-canister
▶ Features <2-second accuracy

6411-04-BLK

▶ 62 mm silver-coated strobe prism
▶ Features 0.5-second flash
▶ Sanyo CR 1/3N Battery

6416-00

▶ 25 mm copper-coated prism in a canister
▶ Weighs 0.06 lb (0.03 kg)

6020-01

▶ 25 mm silver-coated prism in a canister
▶ Weighs 0.06 lb (0.03 kg)

6020-02

Mini Prisms

Lightweight and inexpensive, made to be set up and left for extended periods

▶ Features a 60 mm diamond pattern sheeting and a 2 mm offset
▶ Use for distances up to 492 ft (15 m)
▶ Feature an 86 mm height
▶ Fit Swiss-style male tips or Quick Release adapters
▶ Weighs 0.17 lb (0.08 kg)

6600-01 — Small Tilting Mini Prism - Diamond Pattern

▶ Features a 60 mm diamond pattern with Crosshairs sheeting and a 2 mm offset
▶ Use for distances up to 492 ft (15 m)
▶ Features an 86 mm height
▶ Fits Swiss-style male tips or Quick Release adapters
▶ Weighs 0.15 lb (0.07 kg)

6600-03 — Diamond Pattern with Crosshairs

▶ Use for distances up to 492 ft (15 m)
▶ Features a 25 mm mini prism for longer distances up to 2,000 ft (600 m)
▶ Features an 86 mm height
▶ Fits Swiss-style male tips or Quick Release adapters
▶ Offset 17.5 mm
▶ Weighs 0.23 lb (0.10 kg)

6600-04 — Small Tilting 25 mm Mini Prism

▶ The 25 mm copper-coated prism is permanently bonded to the holder making it water and dust proof
▶ Features a black anodized aluminum holder
▶ Tilting screw uses an 8 mm hex wrench to loosen and tighten it
▶ Mounting hole is 10.3 mm (0.406 inch) in diameter
▶ Design makes mounting and pointing simple
▶ -25 mm offset
▶ Weighs 0.45 lb (0.20 kg)

6600-02 — 25 mm 'L-Bar' Copper-Coated Mini Prism

▶ The 25 mm silver-coated prism is permanently bonded to the holder making it water and dust proof
▶ Features a black anodized aluminum holder
▶ Tilting screw uses an 8 mm hex wrench to loosen and tighten it
▶ Mounting hole is 10.3 mm (0.406 inch) in diameter
▶ Design makes mounting and pointing simple
▶ -25 mm offset
▶ Weighs 0.45 lb (0.20 kg)

6600-05 — 25 mm 'L-Bar' Silver-Coated Mini Prism

Quick Release Adapters and Rebar Bolts

Lightweight and inexpensive, made to be set up and left for extended periods

▶ 6601-Series Quick Release Adapters are made of T-303 stainless steel with machined threads that attach to corresponding Anchor Bolts or the 6602-Series rebar bolts
▶ Weighs 0.10 lb (0.05 kg)

6601-01 — 1/4/ x 20 Threads
6601-02 — 3/8 x 16 Threads
6601-03 — M8 Threads
6601-04 — M12 Threads

▶ Measures ¾ x 9.9 inches (19.05 x 251.46 mm) long
▶ Includes a hex bolt used to hammer the bolt in to the surface
▶ Once installed, remove the hex bolt and install the 6601-Series adapter of your choice
▶ Choose between 3/8 x 16, M8 or M12 thread patterns
▶ Weighs 1.25 lb (0.57 kg)

6602-01 — Rebar Bolt 3/8 x 16 Threads
6602-02 — Rebar Bolt M12 Threads
6602-03 — Rebar Bolt M8 Threads

seco

Monitoring Accessories

▸ Prism center is located in center of the ball
▸ Prism Ball
▸ 50 mm diameter
▸ 25 mm prism
▸ Weighs 0.75 lb (0.34 kg)
▸ Prism constant -17mm

5 312 001 — 50 mm Diameter Prism Ball

▸ Anodized aluminum plate
▸ Three key holes for screws to mount the plate
▸ 5/8 inch to the threaded stud Tribrach adapter centered on the plate
▸ Weighs 1.81 lb (0.82 kg)

1 510 011 — Screw Mounting Column Plate

▸ Anodized aluminum plate
▸ The three bottom anchor bolts are embedded in concrete during installation
▸ With 5/8 x 11 threaded stud for Tribrach adapter centered on the plate
▸ Weighs 2.29 lb (1.04 kg)

1 510 001 — Column Plate

▸ Wedge-shaped aluminum plate features a 12.5 mm prism
▸ Plate can be fixed with special adhesive on to the pavement
▸ Dimensions: 10 x 10 x 2 cm (3.94 x 3.94 x 0.79 inches)
▸ Weighs 0.62 lb (0.28 kg)
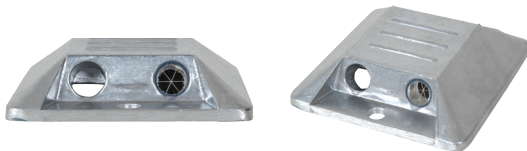
4 520 800 — 12.5 mm Street-Mountable Building Monitoring Prism System

▸ 5/8 x 11 thread extensions
▸ Rod is constructed of aluminum and threads are made of stainless steel
▸ Choose between 30, 50 or 100 cm extension lengths
▸ 4 520 120 weighs 0.57 lb (0.26 kg)
▸ 4 520 122 weighs 0.79 lb (0.36 kg)
▸ 4 520 121-5/8" weighs 1.28 lb (0.58 kg)

4 520 120 — 30 cm Prism Height Extension for 5/8 x 11 Threads
4 520 122 — 50 cm Prism Height Extension for 5/8 x 11 Threads
4 520 121-5/8" — 100 cm Prism Height Extension for 5/8 x 11 Threads

▸ For concreting a measuring
▸ Prisms and reflective target boards without any special adapter can be attached to the swiss-style system
▸ 20 mm diameter, made with ribbed steel with a galvanized stud
▸ Can be ordered with convergence steel protection ring (e.g. 5 114 150-PR)

5 114 150 — 150 mm Convergence Measuring Bolt
5 114 200 — 200 mm Convergence Measuring Bolt
5 114 270 — 270 mm Convergence Measuring Bolt
5 114 350 — 350 mm Convergence Measuring Bolt

▸ Wild stud adapter with M8 threads
▸ Weighs 0.09 lb (0.04 kg)

5 113 100 — For 100 mm Wall Distance (M8 - Wild)

▸ For concreting as measuring point
▸ For placing a prism or reflective target plate on the 3/8-inch thread, a plastic adapter is screwed in
▸ Supplied with a simple plastic cap
▸ Corrugated steel, 20 mm diameter galvanized
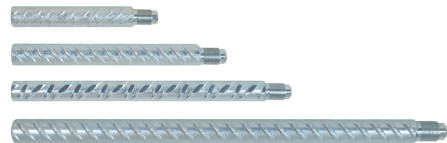
5 115 150 — 150 mm Convergence Measuring Bolt
5 115 200 — 200 mm Convergence Measuring Bolt
5 115 270 — 270 mm Convergence Measuring Bolt
5 115 350 — 350 mm Convergence Measuring Bolt

▸ Adapters for bottom plate (4 610 000) and other various prism systems

PART NO.	HEIGHT	TIP TYPE	WEIGHS
4 410 000	5 mm	5/8 x 11	0.26 lb (0.12 kg)
4 410 001	40 mm	Wild-Style	0.31 lb (0.14 kg)
4 410 002	20 mm	10 mm Tip	0.31 lb (0.14 kg)

4 410 000   4 410 001   4 410 002

▸ Optimal for fast and precise measurement of stopping points without a tripod and pole
▸ Three different adapters included: angle adapter for placing on the chamfered edges wall, tip for measuring points with centering, adapter with depression for curved measurement points without centering
▸ The base plate allows all three adapters to rotate freely and is leveled using a spirit level with two screws quickly and accurately
▸ Designed to sit on different measurement points
▸ Prevents slipping from the point
▸ At the moment required adapters can not be screwed on the top
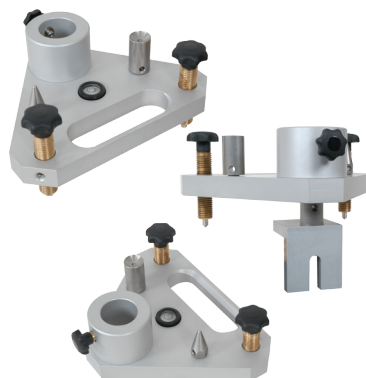
4 610 000 — 90 mm Height Bottom Plate

▸ The track has a bracket for tram or track shortened leg to allow the measurement in grooved rails
▸ With moving across the track axis for horizontal alignment
▸ With strong magnet

5 263 000 — Track Angle for Tram w/ 5/8 inch Threads
5 263 001 — Track Angle for Tram w/ Wild-Style Stud
5 263 002 — Track Angle for Tram w/ 10 mm Stud

Walleye Prism System

Lightweight and inexpensive, made to be set up and left for extended periods

FEATURES & BENEFITS

▶ The Walleye™ Prism System accommodates a full size 62 mm prism (6411-03-BLK) for long range applications or when a larger prism is needed

▶ Rain hood helps keep the prism clean to ensure continual measurements over a long measuring cycle

▶ The flat bottom of the L-Bracket is a large 2.3 x 3.4 inch with five holes for mounting to a variety of surfaces

▶ Components available individually so you can configure your specific needs

▶ The system is compatible with all M20 screw-in type prism canisters

▶ Center pivot hole is 3/8 inch (9.5 mm), the four screw holes are 4.5 mm OD

▶ Features include a -40 mm offset, ± 2 mm, ability to pivot in two axes, stainless-steel locking

▶ System weighs 1.55 lb (0.70 kg)

Part No. 6603-00

PART NO.	DESCRIPTION	
6603-00	Complete Walleye Prism System with Prism and 5/8 x 11 Adapter	
6603-01	Complete Walleye Prism System with Prism and M8 Adapter	
6603-00-050	L-Bracket Assembly Only	
6603-00-005-TMB	Rain Hood Only	
6603-00-051	5/8 x 11 Adapter with Screws and Washer	
6603-01-051	M8 Adapter with Screws and Washer	

Tribrachs & Adapters

▶ This adapts retro prisms to Swiss style tribrachs and has a removable Zeiss plug and locking screw
▶ Fits all tribrachs
▶ Weighs 1.75 lb (0.80 kg)
▶ Height 34.5 mm

2070-00 — Rotating Tribrach Adapter

▶ The Optical Plummet Twist Focus Tribrach features twist focus (2.5X mag) and leveling screws with center line
▶ Features an 8-min vial, three-prong forced centering and a 5/8 x 11 base
▶ Tribrach has a focusing range of 1.5 to 50 ft (0.5 to 15 m)
▶ 2152-04 available in yellow, grey or black
▶ Weighs 1.85 lb (0.84 kg)

2152-04-BLK — Tribrach with Optical Plummet
2153-04-BLK — Tribrach w/o Optical Plummet

▶ Allows adjusting of prism height by moving the threaded brass insert in the adapter
▶ Fits all tribrachs
▶ Weighs 1.91 lb (0.87 kg)
▶ 50-75 mm

2071-00 — Prism H.T. Adapter

▶ Bright 650-nm focused laser dot
▶ Circular vial w/ 8-minute sensitivity
▶ Standard three-prong forced centering with center lines
▶ Included is a standard 3 volt CR2 lithium battery
▶ Weighs 1.65 lb (0.75 kg)
▶ Laser class 2

2153-02-BLK — Laser Tribrach

▶ This rotating friction top tribrach adapter allows the prism to be pointed after installation in the tribrach
▶ Fits all tribrachs
▶ Weighs 0.90 lb (0.41 kg)
▶ Height 32 mm

2020-00 — Rotating Tribrach Adjuster

▶ Use adapter for mounting retro prisms and tripod mounted target systems
▶ Fits all tribrachs
▶ Weighs 0.50 lb (0.23 kg)
▶ Height 24.5 mm

2010-00 — Fixed Tribrach Adapter

▶ Will accept any 5/8 x 11 instrument
▶ Features a precision brass slow-motion tangent screw
▶ Fits all tribrachs
▶ Weighs 3.00 lb (1.36 kg)
▶ Height 48.5 mm

2021-00 — Horizontal Base

▶ Use for adjusting optical plummet tribrachs and tribrach bubbles
▶ Machined black anodized aluminum features a 2-minute bubble
▶ Weighs 1.30 lb (0.59 kg)

2002-00 — Tribrach Adjuster

▶ Check and adjusting optical plummet tribrachs in the office
▶ Precision-machined, black anodized aluminum
▶ Weighs 0.70 lb (0.32 kg)
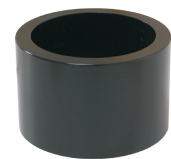
2001-00 — Tribrach Adjusting Cylinder

GeoDesy by **seco**

▶ Tribrach Adapter
▶ Height: 136.2 mm
▶ Weighs 0.88 lb (0.40 kg)

FPT144-BLK — Traverse Tribrach Adapter & GPS Carrier w/ Swiss-Style Locking Pin

▶ Fixed Tribrach Adapter
▶ Height: 145.5 mm
▶ Weighs 1.10 lb (0.50 kg)

FPT146-BLK — Fixed Tribrach Adapter with 5/8 x 11 Stud

▶ Tribrach Adapter
▶ Height: 40 mm
▶ Weighs 0.62 lb (0.28 kg)

FPT247-BLK — Fixed Tribrach Adapter & GPS Carrier with 5/8 Stud

▶ Tribrach Adapter
▶ Includes rotating lock screw
▶ Height: 32 mm
▶ Weighs 1.10 lb (0.50 kg)

A455 — Tribrach Adapter with Rotating Lock Screw

▶ Tribrach Adapter
▶ Non-Rotatable
▶ Height: 22.5 mm
▶ Weighs 0.66 lb (0.30 kg)

A452 — Non-Rotatable 5/8 x 11 Tribrach Adapter

▶ Tribrach Adapter
▶ Height: 23 mm (slim)
▶ Rotating, Friction
▶ Weighs 0.79 lb (0.36 kg)

A458 — Rotatable Tribrach Adapter

▶ Tribrach Adapter
▶ Height: 32 mm
▶ Rotating, Friction
▶ Weighs 1.06 lb (0.48 kg)

A456 — Tribrach Adapter

▶ Rotatable prism holder
▶ With optical plummet
▶ Shortest focal distance: 0.35 mm
▶ Operating Temperature: -20°C to +50°C
▶ Magnification: 2x
▶ Image: Erect
▶ Height: 136.2 mm
▶ Accuracy: 0.5 mm/1.5 m
▶ Vial Sensitivity: 45"/2 mm
▶ Swiss-Style quick lock pin
▶ Weighs 1.41 lb (0.64 kg)

RT481WON-BLK — Rotatable Prism Holder with Optical Plummet and Swiss-Style Locking Pin

▶ Rotatable prism holder
▶ With optical plummet
▶ Shortest focal distance: 0.35 mm
▶ Operating Temperature: -20°C to +50°C
▶ Magnification: 2x
▶ Image: Erect
▶ Accuracy: 0.5 mm/1.5 m
▶ Height 100 mm
▶ Vial Sensitivity: 45"/2 mm
▶ Bayonet style tip
▶ Weighs 1.41 lb (0.64 kg)

RT482WON-BLK — Rotatable Prism Holder with Optical Plummet and Bayonet Tip

▶ Rotatable prism holder
▶ With optical plummet
▶ Shortest focal distance: 0.35 mm
▶ Operating Temperature: -20°C to +50°C
▶ Vial Sensitivity: 45"/2 mm
▶ Magnification: 2x
▶ Image: Erect
▶ Height 70 mm
▶ Accuracy: 0.5 mm/1.5 m
▶ 5/8 x 11 threaded stud
▶ Weighs 1.23 lb (0.56 kg)

RT484WON-BLK — Rotatable Prism Holder with Optical Plummet and 5/8 x 11 Threaded Stud

▶ Rotatable prism holder
▶ Without optical plummet
▶ Swiss-Style quick lock pin
▶ Height: 136.2 mm
▶ Vial: 45"/2 mm
▶ Weighs 1.21 lb (0.55 kg)

RT481W-BLK — Rotatable Prism Holder without Optical Plummet with Swiss-Style Locking Pin

▶ Rotatable prism holder
▶ Without optical plummet
▶ Bayonet tip
▶ Height: 100 mm
▶ Vial: 45"/2 mm
▶ Weighs 1.21 lb (0.55 kg)

RT482W-BLK — Rotatable Prism Holder without Optical Plummet with Bayonet Tip

▶ Rotatable prism holder
▶ Without optical plummet
▶ 5/8 x 11 threaded stud
▶ Height: 70 mm
▶ Weighs 1.06 lb (0.48 kg)

RT484W-BLK — Rotatable Prism Holder without Optical Plummet with 5/8 x 11 Threaded Stud

4

GeoDesy by seco

Quality European-made tribrachs allows your equipment to stay steady

FEATURES & BENEFITS

▸ SECO now offers Geodesy-MOM tribrachs in two different models; our High-Precision tribrach and now the Standard-Precision tribrach
▸ European-made with an effortless locking mechanism for fast and solid accessory connection

▸ A center line on each of the leveling screws allows the user to balance the lengths of the leveling screws
▸ All tribrachs feature 5/8 x 11 threaded base plates and 8-minute circular vials
▸ High-precision tribrachs feature an error in angle measurement (hysteresis) is under 3 cc (60

Ncm torsion moment and 12 kg vertical load), standard tribrach is 5 cc
▸ The 2152-06-BLK has a shortest focus distance of 0.35 m and an accuracy of 0.5 mm / 1.5 m
▸ Features 2X magnification and an erect image
▸ Operating temperature is -20°C to +50°C (-4°F to +122°F)

2152-06-BLK — High-Precision Tribrach with Optical Plummet
2153-06-BLK — High-Precision Non-Optical Plummet Tribrach
2152-07-BLK — Standard Precision Tribrach with Optical Plummet
2153-07-BLK — Standard Precision Non-Optical Plummet Tribrach

GeoDesy by seco

Choose with or without Optical Plummet

FEATURES & BENEFITS

▸ This tribrach features 2X magnification and a twist focus
▸ Its reticule is composed of two small concentric circles

▸ With a sighting distance of 0.3 m to 15 m, the tribrach has an accuracy of 0.5 mm per 1.5 m
▸ Locking forced-centering knob and a 5/8 x 11 base and an 8-minute circular vial

▸ Choose between with an optical plummet or without an optical plummet
▸ Weighs 1.55 lb (0.70 kg)

2152-05-BLK — European-Style Tribrach with Optical Plummet
2153-05-BLK — European-Style Tribrach Non-Optical Plummet Tribrach

Traverse Tribrach Adapter

Compatible with all 24.9 mm bayonet base prisms

FEATURES & BENEFITS

▸ The optical plummet is twist-focus with 2.5X magnification
▸ 60-second adjustable plate vial
▸ Precision-machined axis

rotates 360°
▸ Compatible with all prisms with a 24.9 mm bayonet base
The adjustable height is 100 to 120 mm — fits all standard

three-prong tribrachs
▸ Over point accuracy is 0.5 mm at 1.5 m
▸ Available in black
▸ Weighs 1.70 lb (0.77 kg)

2153-10-050 Male 5/8 x 11 Adapter   **2153-10-051 Quick Release Adapter**

2153-10-BLK — Traverse Tribrach Adapter

seco

Single Prism Traverse Kit

Target, glass and plummet all in one hard-shell case

FEATURES & BENEFITS

▶ Includes a 62 mm prism with silver-coated canister (6400-10)
▶ The adjustable (and reversible) tilt target has a sighting collimator for precise pointing and has 0, -30, and -40 offsets
▶ The kit comes with a rotating tribrach adapter (2153-10) that is

compatible with all prisms with a 24.9 mm bayonet base
▶ Features a 2.5X twist focus optical plummet and a 60-second adjustable plate vial
▶ Prism has <5 arc seconds angle deviation
▶ The adapter has a precision machined axis that rotates 360°

▶ The height is 180 to 200 mm and over the point accuracy is 0.5 mm at 1.5 m
▶ Also included is a tribrach (2153-04) which features three screw-leveling with center line, an 8-minute circular vial, and 5/8 x 11 base thread
▶ Includes hard shell case
▶ Weighs 9.95 lb (4.51 kg)

2159-01-BLK — Single Prism Traverse Kit
2159-050 — Hard Shell Traverse Carrying Case (included in kit or sold separately)

Traverse Kit for 196 mm Heights

Perfect companion for Trimble or Spectra Precision Total Stations

FEATURES & BENEFITS

▶ Preset to a 196 mm height
▶ Adjustable for taller instruments ranging from 196 mm to 216 mm heights
▶ Works with all Trimble® S6 and the Spectra Precision Focus 30 instruments
▶ Traverse or precise back sight kit includes a 62 mm prism assembly
▶ Prism has <5 arc seconds angle

deviation and a silver-coated canister to resist fogging
▶ Kit comes with a rotating tribrach adapter (2153-10) with a 2.5X twist focus optical plummet and a 60-second adjustable plate vial
▶ Tilt target has 0 or -30 offsets
▶ Adapter has precision machined axis that rotates 360°
▶ Over the point accuracy is 0.5 mm at 1.5 m

▶ Also included is European-made tribrach (2153-06) which features three-screw-leveling with center line, an 8-minute circular vial, and 5/8 x 11 base thread
▶ Kit comes with a bright orange, hard shell carrying case (2159-050) with high density foam inserts, nickel plated latches and backpack straps
▶ Weighs 9.95 lb (4.51 kg)

2159-03-BLK — Traverse Kit for 196 mm Heights

Traverse Kit for 155 mm Heights

Perfect companion for Nikon Nivo Total Stations

FEATURES & BENEFITS

▶ Preset to a 155 mm height making it compatible with Nikon NIVO™ Series Total Stations
▶ Kit includes a 62 mm prism assembly
▶ Prism has<5 arc seconds angle deviation and a silver-coated prism to resist fogging

▶ Includes rotating tribrach adapter with a 2.5X pull focus optical plummet and a 45-second adjustable plate vial
▶ Adapter has a precision machined axis that rotates 360°
▶ Tilt target has 0 or -30 offsets
▶ Over the point accuracy is 0.5 mm at 1.5 meters
▶ Also included is a (2153-04)

tribrach which features three-screw-leveling with center line, an 8-minute circular vial, and 5/8 x 11 base thread
▶ Kit comes in a bright orange, hard shell carrying case (2159-050) which features high density foam inserts, nickel plated latches and backpack straps
▶ Weighs 9.95 lb (4.51 kg)

2159-04-BLK — Traverse Kit for 155 mm Heights

Instrument Tripod Accessories

▶ Lightweight and portable, keep your tripod level in all surface conditions
▶ Simple to use
▶ Features cleats to minimize slipping
▶ Attached bungee cables enable easy carrying, hanging or placement
▶ Sold in packs of three
▶ Each weighs 0.29 lb (0.12 kg)

5610-10 — Sta-Level Feet Tripod Stabilizer
5610-11 — Sta-Level Feet Tripod Stabilizer (w/ Rubber Pads)

▶ Provides non-slip support for tripods
▶ Works on all ferrous metal surfaces
▶ Includes three 5-inch round ceramic magnets
▶ Each magnet has a tripod point connection with a bungee strap
▶ Handle to remove magnet from surface included
▶ Each magnet has 210 pull pounds
▶ Kit bag is included

5610-12 — Tripod Anchor Kit

▶ Holds the Allegro, Archer®, Explorer, Recon® or Jett®•ce

5196-07 — Tilted Bracket

▶ Easily holds a laptop computer
▶ Measures: 13 x 10.25 in (33 x 26.04 cm)
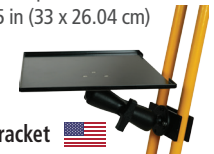
5196-02 — Laptop Bracket

▶ Designed to provide the extra stability required when working indoors on concrete and other hard surfaces
▶ Made of heavy-duty aluminum
▶ Measures 35 x 35 x 35 inches
▶ Collapses for compact storage
▶ Rubber O-ring fits over the foot of the tripod for extra stability
▶ Weighs 3.00 lb (1.36 kg)
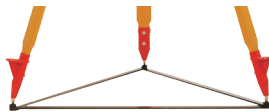
5610-00 — Tripod Stabilizer

▶ Constructed from anodized aluminum

2120-00 — Tripod Adapter 3-1/2 x 8 to 5/8 x 11
2130-00 — Tripod Adapter 5/8 x 11 to 3-1/2 x 8
2132-01 — Tripod Adapter 5/8 x 11F to 1/4 x 20M

▶ This bracket rotates for easier access to your collector

5196-13 — Rotating Bracket
5196-13-005 — Adapter

▶ Designed to fit precisely on the back of the controller
▶ Works with most heavy-duty tripods that feature a connecting bar on the hinge area
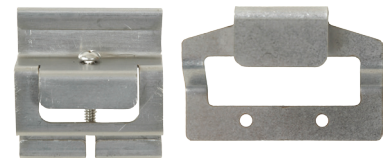
Tripod Hook Brackets Designed for
5196-14 — Ranger 300X/500X, TSC2
5196-15 — Recon
5196-17 — Nomad
5196-18 — TSC3 or Ranger 3
5196-19 — Mesa Tesla
5196-20 — Archer 2

Tri-Max Tri-Dolly

Moves a tripod quickly to the next shot without breaking down the instrument

FEATURES & BENEFITS
▶ The Tri-Max Tri-Dolly™ speeds up data collection
▶ Moving your instrument setup is quick, no need to break down to get to your next measuring location

▶ Features include sturdy fiberglass legs, stability locks, foot straps, and rubberized 3 inch tall castor wheels that swivel 360° and quick-lever style steel risers
▶ Includes hard ship case (tripod sold separately)
▶ Weighs 14.40 lb (6.54 kg)

APPLICATIONS
▶ Interior applications on hard surfaces

Part No.
90555

90555 — Tri-Max Tri-Dolly
90557-050 — Tri-Max Wheel Kit

seco

Cross Reference Table

Bags and Cases For Instrument Tripods

BAGS	PAGE NUMBER	TRIPODS WILL FIT	
8150-00-ORG	Pg. 68	Every Tripod Except for; 90558, 90560, 5321-17-ORG	
8150-20-ORG	Pg. 68	Every Tripod Except for; 90558, 90560, 5321-17-ORG	
8153-10-ORG	Pg. 68	5321-17-ORG and 5115-00	
8154-00-ORG	Pg. 68	5119-00	
8154-10-ORG	Pg. 68	5300-11 and 5300-12	
8154-11-ORG	Pg. 68	Every Tripod Except for; 90558, 90560, 5321-17-ORG	
8154-12-ORG	Pg. 68	5119-10	
8160-31	Pg. 68	Every Tripod Except for; 5321-17-ORG	

Tri-Max Tripods

Features positive locking systems

FEATURES & BENEFITS

▶ The Tri-Max® is the only surveying-grade fiberglass tripod with certified accuracy – highly recommended for all servo-driven and robotic total stations, 3-D laser scanners or construction lasers

▶ The revolutionary design of this tripod series means this tripod will meet ISO standard (12858-2-H) right out of the box, and after years of field use

▶ The shape and size of the foot are designed to allow for a solid placement on any terrain

▶ Features a round head with large center hole to facilitate an easy set-up over a point

▶ The large 'footbed' is there to facilitate solid planting for stability

▶ A retaining system—which prevents leg kick out and accidental falls on slick surfaces—is stored on the inside of the leg and can be left in place when the tripod is not in use

▶ The foot is equipped with a replaceable point and a retention loop for use with a safety strap

▶ Tri-Max tripods can handle equipment up to 30 kg (65 lb)

▶ Collapsed: 113cm (44.5 in)

APPLICATIONS

▶ Robotics
▶ Scanning
▶ Leveling

Part No.
90550

PART NO.	LOCK TYPE	LEGS	WEIGHS	EXTENSION	HEAD	HARDWARE	
90550	Quick Clamp	Fiberglass	17.00 lb (7.70 kg)	71 in (1.8 m)	Flat	Black	
90551	Screw Clamp	Fiberglass	17.00 lb (7.70 kg)	71 in (1.8 m)	Flat	Black	
90553	Dual Clamp	Fiberglass	17.00 lb (7.70 kg)	71 in (1.8 m)	Flat	Black	
90560	Dual Clamp	Fiberglass	20.00 lb (9.00 kg)	91 in (2.3 m)	Flat	Black	

Premier Fiberglass Tripods

Improved quality and stability for more accurate measurements

FEATURES & BENEFITS

▶ 6-5/8 inch (16.83 cm) flat head with large center hole (2-5/8 inch, 6.67 cm) to facilitate an easy set-up over a point

▶ Foot is equipped with a replaceable point made of hardened steel

▶ Standard 5/8 x 11 threaded brass instrument stud

▶ Snap cap to protect tripod head

▶ Extends to 70.75 inches (179 cm)

▶ Collapses to 43.75 inches (111 cm)

▶ Made in North America under strict quality controls

▶ Includes a comfortable shoulder strap for carrying over longer distances

APPLICATIONS

▶ Ideal for mounting theodolites, lasers, auto levels, or total stations

Part No.
90582

PART NO.	LOCKING	LEGS	EXTENDS	COLLAPSES	WEIGHS	COLOR	
90582	Dual Lock	Fiberglass	70.75 in (179 cm)	43.75 in (111 cm)	13.60 lb (6.16 kg)	Orange (shown)	

Extra-Tall Fiberglass Elevator Tripod

Locking leg stabilizers provide greater stability

FEATURES & BENEFITS
▶ Tripod has a fully-extended leg and center column height of 12.40 ft (3.80 m) and a collapsed height of 5.97 ft (1.82 m)
▶ Features an adjustable center column that gives you 3.7 ft (1.12 m) of lift
▶ Lockable leg stabilizer struts, dual clamps, screw clamp and quick clamp, along with dual metal and rubber leg points and handy leg strap create greater stability

▶ Detachable round head plate, with a 5/8 x 11 stud, gives your instrument a sturdy platform
▶ Column can hold 66 lb (30 kg) when collapsed, and 15.4 lb (7 kg) when elevating
▶ Legs and dowels are constructed of fiberglass for durability, strength and resistance to weathering
▶ Includes leg straps
▶ Weighs 33.10 lb (15.00 kg)

APPLICATIONS
▶ Use with lasers, scanners, machine control or other instruments

Part No.
5321-17-ORG

5321-17-ORG — Extra-Tall Fiberglass Elevator Tripod

Universal Tri-Max Elevator Tripod

A gear box controls the lift and descent so the center column cannot free fall

FEATURES & BENEFITS
▶ SECO's Universal Tri-Max® Elevator Tripod features a working height range of 4.10 ft (1.20 m) collapsed to 8.60 ft (2.62 m) extended with the center column at full height
▶ Center column independently lifts 1 meter (90558-050)
▶ A gear box controls lift and descent so the center column cannot free fall
▶ The 5/8 x 11 mounting head is removable and adjustable in azimuth direction

▶ Additional 1 meter section may be added for a total recommended height of 10 ft (3 m) for instruments under 15 lb (6.80 kg)
▶ Machined-aluminum elevator column and fiberglass legs makes for a robust and easy-to-use laser instrument tripod
▶ Fiberglass Legs
▶ Stable for instruments up to 25 lb (11.33 kg) under most conditions
▶ Weighs 29.00 lb (13.20 kg)
▶ Collapsed length 53 in

APPLICATIONS
▶ Robotics
▶ Scanning
▶ Leveling

Part No.
90558

90557-050

90558 — Universal Tri-Max Elevator Tripod
90558-050 — 1 Meter Extension for Universal Tri-Max Elevator Tripod
90557-050 — Tri-Max Wheel Kit
90558-052 — Adaptor Plate, 3/8-16

Aluminum Elevator Tripods

Locking leg stabilizers provide greater stability

FEATURES & BENEFITS
▶ Aluminum elevator tripods have smooth operating adjustable center columns
▶ The 5321-16-BLK model features a built-in circular vial in the instrument head and safety chains on the legs prevent slipping on hard surfaces

▶ The 5321-18-BLK model is a lighter weight Elevator Tripod version that features a flat 36 mm head and an elevator column that extends 15.75 in (84 cm)
▶ Black hardware on both tripods
▶ Both models feature tough kick-in cleats and points

APPLICATIONS
▶ Ideal for lasers, scanners machine control or other instruments

Part No.
5321-16-BLK

PART NO.	LOCK TYPE	HEAD	EXTENDS	COLLAPSES	WEIGHS	
5321-16-BLK	Quick Clamp	Elevator / Round	7.60 ft (2.3 m)	4.26 ft (1.26 m)	16.30 lb (7.39 kg)	
5321-18-BLK	Quick Clamp	Elevator / Flat 36 mm	67 in (170 cm)	34 in (86 cm)	7.35 lb (3.30 kg)	

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Short Tri-Max

Standard Tri-Max quality in a smaller size

FEATURES & BENEFITS
▶ The Tri-Max® Short Quick Clamp Tripod features the exact same design and construction as the full-size (90550) Tri-Max but it's more portable

▶ Extends to 5.67 ft (1.73 m)
▶ Collapses to 3.44 ft (1.05 m)
▶ Highly recommended for all servo-driven and robotic total stations and 3-D laser scanners
▶ Fiberglass legs
▶ Weighs 15.40 lb (7.00 kg)

APPLICATIONS
▶ Robotics
▶ Scanning
▶ Leveling

Part No.
90550-S

90550-S — Short Tri-Max

Birch Wood / Fiberglass Hybrid Tripod

Improved kiln dried birch wood / fiberglass hybrid tripod models

FEATURES & BENEFITS
▶ Wood/Fiberglass tripods are perfect for mechanically-driven total stations and survey-grade theodolites and levels, these tripods stand up to demanding field conditions

▶ 5/8 x 11 threaded post accommodates standard instruments — an ideal tripod for many different applications
▶ Collapsed length 47 inches

APPLICATIONS
▶ Ideal for mounting theodolites, lasers, auto levels, or total stations

Part No.
5302-12-ORG

PART NO.	LOCK TYPE	LEGS	WEIGHS	EXTENSION	HEAD	HARDWARE	
5302-12-ORG	Quick Clamp	Birch Wood / Fiberglass	16.20 lb (7.35 kg)	73 in (1.85 m)	Triangle / Flat	Orange	
5302-12-BLK	Quick Clamp	Birch Wood / Fiberglass	16.20 lb (7.35 kg)	73 in (1.85 m)	Triangle / Flat	Black	
5402-12-ORG	Screw Clamp	Birch Wood / Fiberglass	16.20 lb (7.35 kg)	73 in (1.85 m)	Triangle / Flat	Orange	
5402-12-BLK	Screw Clamp	Birch Wood / Fiberglass	16.20 lb (7.35 kg)	73 in (1.85 m)	Triangle / Flat	Black (shown)	

Heavy-Duty Birch Wood Tripods

Improved kiln dried birch wood tripod models

FEATURES & BENEFITS
▶ 6.5 inch round head and standard 5/8 x 11 threaded stud is ideal for mounting a variety of instruments
▶ Choice of locks (Dual or Screw) provides extra security at height
▶ Leg stabilizer straps on the 5220-12 ensure tripod stays stable and in place

▶ Wood legs have a hand hole for easy carrying
▶ Tool kit, which attaches to any leg, includes an open-end wrench and an allen wrench for any tripod adjustments
▶ Shoulder strap also included for comfortable carrying over longer distances

APPLICATIONS
▶ Ideal for mounting theodolites, lasers, auto levels, or total stations

Part No.
5220-12-ORG

PART NO.	LOCK TYPE	HEAD	WEIGHS	EXTENSION	COLLAPSES	HARDWARE	
5220-12-ORG	Dual Locks	Round / Flat	16.50 lb (7.48 kg)	75 in (1.9 m)	47 in (1.2 m)	Orange	
5220-12-BLK	Dual Locks	Round / Flat	16.50 lb (7.48 kg)	75 in (1.9 m)	47 in (1.2 m)	Black (shown)	
5420-12-ORG	Screw Clamp	Round / Flat	16.50 lb (7.48 kg)	75 in (1.9 m)	47 in (1.2 m)	Orange	
5420-12-BLK	Screw Clamp	Round / Flat	16.50 lb (7.48 kg)	75 in (1.9 m)	47 in (1.2 m)	Black	

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Square Leg Aluminum Tripods

Heavy-duty aluminum square leg tripods offer stability and accuracy

FEATURES & BENEFITS
▸ Equipped with square outer dowels for a more secure lock
▸ These tripods are equipped with a 5/8 x 11 threaded adapter for convenient mounting of instruments

▸ They're built to last—with heavy construction throughout— and are designed to withstand rigorous field conditions

APPLICATIONS
▸ Ideal for mounting theodolites, lasers, auto levels, or total stations

Part No.
5301-31-BLK

PART NO.	LOCK TYPE	LEGS	WEIGHS	EXTENSION	HEAD	HARDWARE	
5301-31-BLK	Quick Clamp	Aluminum (Square)	9.70 lb (4.40 kg)	64 in (1.60 m)	Triangle / Flat	Black	
5301-31-ORG	Quick Clamp	Aluminum (Square)	9.70 lb (4.40 kg)	64 in (1.60 m)	Triangle / Flat	Orange	

Round Leg Aluminum Tripods

Sturdy and lightweight tripods for many applications

FEATURES & BENEFITS
▸ These tripods accommodate 5/8 x 11 instruments and are designed for all types of jobs
▸ Choices include: Flat or dome head, standard, elevator or mini tripod size

▸ The telescopic legs allow for setup at various heights and are available with orange or black hardware (on some models)

APPLICATIONS
▸ Ideal for mounting theodolites, lasers, auto levels, or total stations

Part No.
5301-21-ORG

PART NO.	LOCK TYPE	LEGS	WEIGHS	EXTENSION	HEAD	HARDWARE	
5301-21-ORG	Quick Clamp	Aluminum (Round)	9.35 lb (4.24 kg)	65 in (1.65 m)	Triangle / Flat	Orange	
5301-21-BLK	Quick Clamp	Aluminum (Round)	9.35 lb (4.24 kg)	65 in (1.65 m)	Triangle / Flat	Black	
5301-25-BLK	Quick Clamp	Aluminum (Round)	7.45 lb (3.38 kg)	63.5 in (1.60 m)	Triangle / Flat	Black	
5301-24-BLK	Quick Clamp	Aluminum (Round)	6.75 lb (3.06 kg)	27 in (68.65 cm)	Triangle / Flat	Black	
5311-21-ORG	Quick Clamp	Aluminum (Round)	7.60 lb (3.45 kg)	63.5 in (1.60 m)	Dome	Orange	
5401-21-BLK	Screw Clamp	Aluminum (Round)	9.35 lb (4.24 kg)	65 in (1.65 m)	Triangle / Flat	Black	

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Leveling Rod Accessories

▸ Use with aluminum leveling rods
▸ Weighs 0.50 lb (0.23 kg)

7321-050 — Leveling Rod Vial

▸ These replacement rod buttons fit on SECO aluminum leveling rods

70014-6 — Round 17 mm Button
70014-7 — Round 13 mm Button w/ Ring

▸ Adapt the thread size to 5/8 x 11 for mounting prisms on the LR's female adapter
▸ Weighs 0.20 lb (0.09 kg)

91133 — 5/8 x 11 Double Male Prism Adapter

▸ USL/SVR Hook

91275 — USL/SVR Hook

▸ Swiss-Style Prism Adapter

91259 — Swiss-Style Prism Adapter

▸ 6-inch long caliper for SVR/Oval rods and CMR ruler

91014 — 6-inch Caliper for SVR/Oval Rods and CMR Ruler

▸ Snap-Tite® SVR Rod

91255 — Snap-Tite SVR Rod Level

▸ Snap-Tite CR Rod Level

91535 — Snap-Tite CR Rod Level

▸ The Leveling Plates (or Turtles as they are commonly known) are cast heavy steel and red powder painted for durability
▸ Other quality features include chrome plating on the dome, carrying handle and ground points
▸ Use to improve the accuracy of level runs in soft terrain
▸ Diameter 5.51 in (14 cm)
▸ Diameter of half ball 1.81 in (3 cm)
▸ Height of half ball 0.79 in (2 cm)
▸ Height of foot to top half ball 2.60 in (6.6 cm)
▸ Weighs 4.41 lb (2.00 kg)

7304-01 — Leveling Plate (Turtle)

▸ 5/8 x 11 Prism Mounting Adapter Kit

91258 — 5/8 x 11 Prism Mounting Adapter Kit

▸ This 6.5 ft nylon-coated tape is ideal for foundation work, grading, swimming pools and construction
▸ Easy-to-read numbers printed on both sides
▸ The blade also features a built-in target
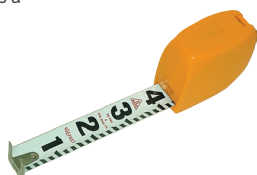
7321-00 — 6.5 ft Pocket Rod - inches
7301-00 — 6.5 ft Pocket Rod - 10ths

▸ This bipod features a special head that will hold a rectangular rod
▸ The head will fit rods with widths between 1.57 and 2.56 inches

5217-21-FOR — Leveling Rod Thumb Release Bipod

▸ This bipod features a special head that will hold a rectangular rod
▸ The head will fit rods with widths between 2.95 and 3.54 inches

5217-20-FLY — Invar Rod Thumb Release Bipod

Laser Receiver Cut & Fill Rod

Perfect Rod for Curb and Gutter and Grade Setting jobs

FEATURES & BENEFITS
▸ Crain's Laser Receiver Cut & Fill Rod is perfect for Curb & Gutter and Grade Setting jobs
▸ Red graduations is a "Cut" value from grade with a range of 1.40 ft (0.43 m)
▸ Blue graduations are a "Fill" value with a range of 1.84 ft (0.562 m)
▸ Dual 0.01 ft and 2 mm graduations
▸ Rod collapsed to 4.5 ft (1.37 m) and extends to 8.0 ft (2.4 m)

▸ The Quick Release sliding bracket works with all standard Laser Receiver rod clamps
▸ Leveling vial built into the sliding bracket for easy viewing
▸ Telescoping bottom section reads direct height to the "zero" mark on the rod
▸ Manufactured in Fiberglass and Delrin to resist concrete adhesion
▸ Weighs 2.25 lb (1.02 kg)

APPLICATIONS
▸ Construction grading

Part No. 7310-13

7310-13 — Laser Receiver Cut & Fill Rod

Aluminum Builder's Rods — Light and durable anodized leveling rods

FEATURES & BENEFITS
▶ These aluminum leveling rods are made of a light and durable alloy
▶ The telescopic sections are anodized and silk-screened with moisture-resistant ink

*Replacement button PN: 70014-7

▶ Each rod section uses sturdy polycarbonate buttons that lock each section when extended; the height gauge is on the back side
▶ Each rod includes a special level and protective bag

APPLICATIONS
▶ Grading
▶ Masonry
▶ Site work
▶ Forms
▶ Landscaping
▶ Foundations
▶ Sewers
▶ Slab work

Part No. 7321-30

PART NO.	SECTIONS	LENGTH	GRADS	WEIGHS	
7321-30	3	9 ft, 9.5 in	8ths	2.40 lb (1.10 kg)	
7301-30	3	9.8 ft	10ths	2.40 lb (1.10 kg)	
7321-40	4	13 ft, 1.38 in	8ths	3.10 lb (1.40 kg)	
7301-40	4	13.12 ft	10ths	3.10 lb (1.40 kg)	
7341-40	4	4 m	5 mm	3.10 lb (1.40 kg)	
7321-50	5	16 ft, 4.75 in	8ths	3.50 lb (1.60 kg)	
7301-50	5	16.4 ft	10ths	3.50 lb (1.60 kg)	

'E' Pattern Builder's Rods — Dual-sided lightweight rod

FEATURES & BENEFITS
▶ Features a standard 'E' pattern
▶ Lightweight aluminum sections are in contrasting white, red and black colors and have round spring-loaded locking buttons

▶ Graduations are cm on the front
▶ Height scale is in millimeters on the back
▶ 7341-45 and -55 models have a standard scale on the back
▶ Includes a level vial and case

APPLICATIONS
▶ Grading
▶ Masonry
▶ Site work
▶ Forms
▶ Landscaping
▶ Foundations
▶ Sewers
▶ Slab work

Part No. 7341-31

PART NO.	LENGTH	GRADS	WEIGHS	
7341-31	3 m	cm	2.40 lb (1.10 kg)	
7341-41	4 m	cm	3.10 lb (1.40 kg)	
7341-45	4 m	mm	3.10 lb (1.40 kg)	
7341-51	5 m	cm / mm	3.80 lb (1.73 kg)	
7341-52	5 m	cm / inches	3.80 lb (1.73 kg)	
7341-55	5 m	cm / mm	3.80 lb (1.73 kg)	

Grade/Trenching Rod — Fast, highly-visible, cut measurements without moving the laser receiver

FEATURES & BENEFITS
▶ SECO's 92090 is two rods in one, a grade/trenching rod and a standard leveling rod
▶ The direct reading "cut" measurement is displayed at three convenient locations including the, highly visible, top of the rod
▶ The unique internal bungee cord allows for fast cut measurements once the rod is set on the desired grade without having to move the laser receiver

▶ Graduated in feet, tenths, and 0.5 ft
▶ Extend the 6-foot-long rod to 9 feet with three 1-foot telescoping boots
▶ A large 2.5-inch-round foot provides stability when working in dirt and gravel
▶ The rectangular fiberglass body fits all laser rod clamps
▶ Both sides can be used with laser receivers or optical levels
▶ Order 91402 for carrying case
▶ Weighs 4.20 lb (1.90 kg)

APPLICATIONS
▶ Foundation walls and trenching
▶ Grading

Part No. 92090

92090 — Grade/Trenching Rod - Tenths

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Surveyor's Series (SVR) Leveling Rods

Waterproof and wear-resistant

FEATURES & BENEFITS
▶ Features a new shorter collapsed length (58.5 inches on 25 ft versions) and a lighter weight
▶ Constructed of strong, rigid fiberglass with reinforcing ribs for added stability
▶ Water-resistant and non-conductive

▶ A tight locking mechanism features round buttons that resist jamming from sand and dirt
▶ Includes a ¼ x 20 female adapter in top section
▶ Includes carrying case
▶ Order 91411 for replacement carrying case

APPLICATIONS
▶ Grading
▶ Masonry
▶ Site work
▶ Forms
▶ Landscaping
▶ Foundations
▶ Sewers
▶ Slab work

Part No. 98010

Rectangular-oval shape allows for wide, glare resistant and wear-resistant scales.

PART NO.	HEIGHT SCALE	LENGTH	GRADS	WEIGHS	
98010	Height Scale	25 ft	10ths	6.00 lb (2.72 kg)	
98011	Height Scale	25 ft	8ths	6.00 lb (2.72 kg)	
98012	Height Scale	7.6 m	0.5 cm metric	6.00 lb (2.72 kg)	
98013	Height Scale	7.6 m	'E' metric	6.00 lb (2.72 kg)	
98014	Height Scale	7.6 m	Philly metric	6.00 lb (2.72 kg)	
98015	Dual Scale	25 ft	8ths / 10ths	6.00 lb (2.72 kg)	
98016	Dual Scale	25 ft (7.6 m)	10ths / Philly Metric	6.00 lb (2.72 kg)	
98017	Dual Scale	25 ft	10ths / 10ths	6.00 lb (2.72 kg)	
98020	Height Scale	17 ft	10ths	5.00 lb (2.27 kg)	
98021	Height Scale	17 ft	8ths	5.00 lb (2.27 kg)	
98023	Height Scale	5.18 m	'E' metric	5.00 lb (2.27 kg)	
98024	Height Scale	5.18 m	Philly metric	5.00 lb (2.27 kg)	
98025	Dual Scale	17 ft	8ths / 10ths	5.00 lb (2.27 kg)	
98026	Dual Scale	17 ft (5.18 m)	10ths / Philly metric	5.00 lb (2.27 kg)	

SVR Brackets for Laser Receivers

Easily attaches to SVR rods

FEATURES & BENEFITS
▶ Brackets are needed to attach laser sensors to the SVR rod

▶ Top or side brackets are available for all popular laser receiver models

APPLICATIONS
▶ Use with an SVR rod to mount your laser receiver

Part No. 91100

PART NO.	MOUNT TYPE	DESIGNED FOR	
91100	Top	Universal	
91162	Top	Storm® HL700/750/450	
91163	Side	Storm HL700/750/450	

Standard/Pro Series (LR) Leveling Rods

Round rod is wind resistant

Metric 0.5 cm   Feet/Inche 8ths   Feet/10ths 100ths

Round design makes the LR Series rods a good choice for certain applications like in areas of high wind.

FEATURES & BENEFITS
▸ The LR Series leveling rods are round and easy to handle
▸ The LR-STD is available in a 25 ft model in 10ths, inches, and 0.5 cm metric scales
▸ The LR-PRO is larger in diameter so sturdier and easier to read

▸ The LR-PRO available in 25 ft, 35 ft and 45 ft lengths in feet/10ths/100ths
▸ Carrying case is included or purchase replacement 91402
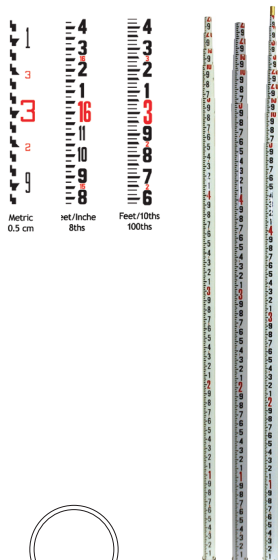
APPLICATIONS
▸ Grading
▸ Masonry
▸ Site work
▸ Forms
▸ Landscaping
▸ Foundations
▸ Sewers
▸ Slab work

Part No. 90004

PART NO.	LENGTH	OD	GRADS	WEIGHS	
90004	LR-STD 25 ft	1-5/8 inch	10ths	5.00 lb (2.26 kg)	
90009	LR-STD 25 ft	1-5/8 inch	8ths	5.00 lb (2.26 kg)	
90014	LR-STD 7.6 m	1-5/8 inch	Metric	5.00 lb (2.26 kg)	
90022	LR-PRO 25 ft	2 inch	10ths	7.00 lb (3.17 kg)	
90024	LR-PRO 35 ft	2-3/16 inch	10ths	9.00 lb (4.08 kg)	
90026	LR-PRO 45 ft	2-3/16 inch	10ths	10.00 lb (4.53 kg)	

Rectangular Series (CR) Leveling Rods

Rounded back corners for better gripping
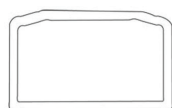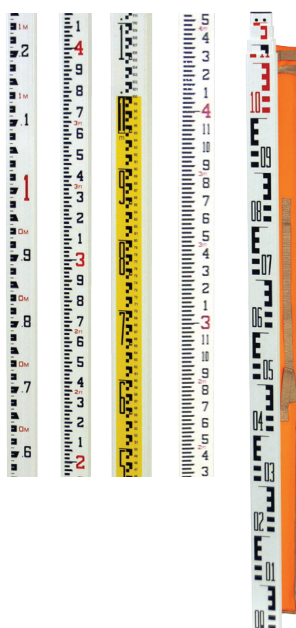
Rectangular shape allows for laser detectors to be mounted directly to the rod - no bracket required!

FEATURES & BENEFITS
▸ Features a rectangular shape with rounded back corners for better gripping
▸ Scale width is graduated to fill the entire face of the rod and measuring scale on the back side that allows for overall height readings
▸ For laser detector mounting with no special brackets required

▸ Made with strong fiberglass which is waterproof, corrosion-resistant and non-conductive
▸ Features ¼ x 20 female adapter in the top section
▸ Carrying case is included
▸ Order 91410 for 8 ft or 91411 for 13 - 20 ft for replacement carrying case

APPLICATIONS
▸ Grading
▸ Masonry
▸ Site work
▸ Forms
▸ Landscaping
▸ Foundations
▸ Sewers
▸ Slab work

Part No. 92001

PART NO.	LENGTH	GRADS	WEIGHS	
92001	8 ft	10ths	3.00 lb (1.36 kg)	
92002	8 ft	8ths	3.00 lb (1.36 kg)	
92021	13 ft	10ths	5.00 lb (2.26 kg)	
92022	13 ft	8ths	5.00 lb (2.26 kg)	
92041	16 ft	10ths	6.00 lb (2.72 kg)	
92042	16 ft	8ths	6.00 lb (2.72 kg)	
92031	20 ft	10ths	7.00 lb (3.17 kg)	
92032	20 ft	8ths	7.00 lb (3.17 kg)	
92026	4.0 m	'E' metric	5.00 lb (2.26 kg)	
92027	4.0 m	0.5 cm metric	5.00 lb (2.26 kg)	
92046	5.0 m	'E' metric	6.00 lb (2.72 kg)	
92047	5.0 m	0.5 cm metric	6.00 lb (2.72 kg)	
92048	5.0 m	British 'E' metric	6.00 lb (2.72 kg)	
92043	5.0 m	Philly metric	6.00 lb (2.72 kg)	

SubSurface Handheld Magnetic Locators

Built by the team with the most experience in the industry

FEATURES & BENEFITS
▶ Both models come with an industry exclusive 7 year warranty
▶ Choose the standard model or the LCD meter model
▶ Tube-through construction ensures strength and durability from the bottom tip to the handle

▶ Overall length: 38.75 in (98.4 cm)
▶ The system comes with a padded carrying bag and four alkaline 9-volt batteries — two to use and two spares
▶ Hard-shell case is impact resistant ABS plastic construction (ML-1-050, sold separately)
▶ Weighs 2.00 lb (0.91 kg)

APPLICATIONS
▶ Perfect for locating survey corner markers, PK and Mag Nails, valve and covers, steel and iron pipes, well casings, steel tanks, lost tools or even downed and buried fence lines

Part No.
ML-1

ML-1 — SubSurface Handheld Magnetic Locators Standard Model
ML-1M — SubSurface Handheld Magnetic Locators With LCD Meter
ML-1-050 — Hard Shell Case for Locators

SubSurface Waterproof Magnetic Locators

Built by the team with the most experience in the industry

FEATURES & BENEFITS
▶ Features include 'Zero Adjust' that compensates for 'magnetic gradient' in the soil
▶ Single narrow LCD monitor is built into the four-button keypad and features a bar graph that expands according to signal strength
▶ A '+' or '-' illuminates above the graph to indicate polarity
▶ 100% waterproof - tube pressure tested to depths up to 200 ft

▶ The SSI computer microprocessor retains volume and gain settings from last use
▶ Detects buried ferrous metal objects at depths up to 8 feet
▶ Sturdy tube-through-construction ensures stability and long life
▶ Includes soft carrying/storage case with carrying straps and inside pocket for spare 9-volt batteries
▶ Both models have 7 year warranty

APPLICATIONS
▶ Perfect for locating survey corner markers, PK and Mag Nails, valve and covers, steel and iron pipes, well casings, steel tanks, lost tools or even downed and buried fence lines

Part No.
ML-35Y

Close up of four-button keypad and LCD monitor

PART NO.	OVERALL LENGTH	BATTERY LIFE	WEIGHT	
ML-3SY	40 in (1 m)	60 hours	1.80 lb (0.80 kg)	
ML-3LY	55 in (1.4 m)	60 hours	2.80 lb (1.30 kg)	

Heavy-Duty Pocket Tape

Light weight measuring tools for all situations

FEATURES & BENEFITS
▶ Rubberized black and high visibility yellow case
▶ Positive thumb lock and release action

▶ Lengths vary from 12 ft to 33 ft
▶ Tape made from epoxy paint coated steel

APPLICATIONS
▶ General construction

Part No. 4769-00

PART NO.	LENGTH	WIDTH	GRADS	
4769-00	25 ft	1 inch (32 mm)	10ths	
4769-01	25 ft	1 inch (32 mm)	10ths / Metric	
4769-02	25 ft	1 inch (32 mm)	10ths / 8ths	
4769-03	33 ft	1 inch (32 mm)	10ths	
4769-04	33 ft	1 inch (32 mm)	10ths / 8ths	
4769-06	33 ft (10 m)	1 inch (32 mm)	10ths / Metric	
4769-12	12 ft	3/4 inch (19 mm)	10ths / 8ths	
4769-13	12 ft (3.7 m)	3/4 inch (19 mm)	10ths / Metric	
4769-14	5 m	3/4 inch (19 mm)	m/cm/mm	
4769-15	10 m	3/4 inch (19 mm)	m/cm/mm	

Triangular Scale Tapes

Light weight measuring tools for all situations

FEATURES & BENEFITS
▶ The Engineer and Architect Scale Tapes are the new standard for scaling plans in the field or office
▶ One of the main problems with triangular rules is they cannot easily be taken out on a job site or carried in your pocket

▶ The Engineer Scale Tape has all of the 10, 20, 30, 40, 50, 60 scales you would find on a standard Engineer rule
▶ Included in the Architect Scale Tape you'll find the following scales: 16, 3, 1 ½, 1, ½, ¼,1/8, ¾, 3/8, 3/16, 3/32, and 1/16

APPLICATIONS
▶ Engineering and Architectural construction

Part No.
9006-00

9006-00 — Triangular Engineer Scale Tape
9006-01 — Triangular Architect Scale Tape

Coated Fiberglass and Steel Measuring Tapes

Great in all kinds of weather conditions

FEATURES & BENEFITS
▶ These coated tapes are designed to be used in the field for many years
▶ Single sided tape

▶ Choose between of PVC-coated fiberglass or nylon-coated steel tape
▶ Features a hook end and fast-winding crank

APPLICATIONS
▶ General construction

Part No.
3003-06

PART NO.	TYPE	LENGTH	GRADS	
3003-06	PVC-Coated Fiberglass	100 ft	10ths	
3003-07	PVC-Coated Fiberglass	200 ft	10ths	
3003-10	PVC-Coated Fiberglass	30 m	m/cm/mm	
3003-14	PVC-Coated Fiberglass	90 m	m/cm/mm	
3006-06	Nylon-Coated Steel	100 ft	10ths	
3006-07	Nylon-Coated Steel	200 ft	10ths	
3006-10	Nylon-Coated Steel	30 m	m/cm/mm	
3006-11	Nylon-Coated Steel	60 m	m/cm/mm	
3006-17	Nylon-Coated Steel	200 ft	8ths / 10ths (Dual Grad)	
3006-18	Nylon-Coated Steel	200 ft/60 m	10ths / Metric (Dual Grad)	
3006-08	PVC-Coated Fiberglass	300 ft	10ths	
3003-08	PVC-Coated Fiberglass	300 ft	10ths	

Rhino Ruler Engineer's Folding Ruler

Rhino Ruler outlasts wood rulers four to one

FEATURES & BENEFITS
▶ Waterproof fiberglass construction prevents common problems that occur with wood rulers such as fading, splintering, and chipping

▶ Engraved graduations resist weather and scratches
▶ Easy-to-fold locking joints are tighter than traditional folding rulers made of wood allowing for a more accurate measurement along the ruler's length

APPLICATIONS
▶ General construction

Part No.
4770-00

4770-00 — Rhino Ruler Waterproof Fiberglass Engineer's Folding Ruler - 10ths / 8ths
4770-01 — Rhino Ruler Waterproof Fiberglass Engineer's Folding Ruler - 10ths / Metric

seco

## CMR Series Measuring Rulers and Cases

Designed for one-person measuring

FEATURES & BENEFITS
▶ A versatile tool for fast, accurate, one-person measuring, the CMR Series is the tool for measuring heights, clearances and horizontal distances up to fifty feet

▶ The rod is equipped with a female ¼ x 20 adapter in the top section
▶ Made of rugged, non-conductive fiberglass and includes a carrying case and calliper tip

▶ Carrying cases are made from the highest quality 1000-denier nylon
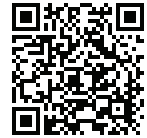
Part No. 90180

PART NO.	LENGTH	WEIGHT	OD	REPLACEMENT CARRY CASE	OD CASE MEASUREMENTS	
90180	25 ft (7.6 m)	5.00 lb (2.27 kg)	1-13/16 inch	91415	3.5 x 65 in (8.89 x 165.1 cm)	
90181	36 ft (11 m)	9.00 lb (4.08 kg)	2-7/32 inch	91416	4.5 x 68 in (11.43 x 172.72 cm)	
90182	50 ft (15.2 m)	12.00 lb (5.44 kg)	2-13/32 inch	91417	4.5 x 76 in (11.43 x 193.04 cm)	

Laser Distance Meters

Tough — can be dropped up to 5 feet (1.5m)

FEATURES & BENEFITS
▶ Can be dropped 5 feet (1.5 m)
▶ Accurate and reliable
▶ Many functions
▶ Indoor / Outdoor options
▶ Fastest products available

▶ Long battery life (8000 measures)
▶ Range from 50 m to 200 m
▶ See technical specifications below

APPLICATIONS
▶ Highly accurate distance measurement

Part No. QM55

QM55 — Indoor Laser Distance Meter
QM75 — Indoor/Outdoor Laser Distance Meter
QM95 — Indoor/Outdoor Laser Distance Meter

SPECIFICATIONS	QM55	QM75	QM95
Range	165 feet (50 m)	230 feet (70 m)	650 feet (200 m)
Accuracy	± 1/16 in ± (1.5 mm)	±1/16 in ± (1.5 mm)	±1/24 in ± (1.0 mm)
Units of Measure	m, ft, in, ft-in	m, mm, ft, in, yds	m, mm, ft, in, yds
Automatic Shut Off	3 minutes	10 minutes	10 minutes
Battery Life	5000+ measures	8000 measures	8000 measures
Power Supply	2 x AAA 1.5 V	2 x AAA 1.5 V	2 x AA 1.5 V
Power Indication	LCD 3 segments	LCD 4 segments	LCD 4 segments
Drop Performance	5 feet (1.5 m)	5 feet (1.5 m)	5 feet (1.5 m)
Dust & Water Resistance	IP54	IP55	IP54
Laser Type / Power	635nm visible red / < 1 mW	635nm visible red / < 1 mW	635nm visible red / < 1 mW
Dimensions	2.0 x 1.1 x 4.9 in (52 x 28 x 125 mm)	1.3 x 1.6 x 4.9 in (34 x 42 x 125 mm)	2.4 x 1.2 x 4.7 in (62 x 28 x 120 mm)
Weight with Batteries	6.60 oz (187 g)	5.10 oz (144 g)	7.70 oz (217 g)
Warranty	3 Years (2 Years at No Cost)	3 Years (2 Years at No Cost)	3 Years (2 Years at No Cost)

FUNCTIONS	QM55	QM75	QM95
Usage	Indoor	Indoor / Outdoor	Indoor / Outdoor
Single Measure	√	√	√
Continuous Measure	√	√	√
Addition / Subtraction	√		√
Area	√		√

seco

Stream Gauges — Allows you to instantly see water levels

7-inch-wide
Feet/10ths

7-inch-wide
Un-Numbered

4-inch-wide
Un-Numbered

4-inch-wide
Metric/Decimeters/Centimeters

4-inch-wide
Feet/10ths/100ths
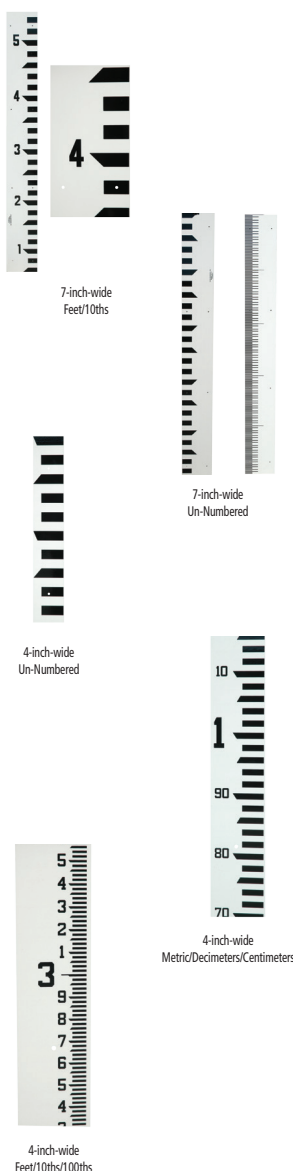
FEATURES & BENEFITS
▶ Stream Gauges allow you to instantly see water levels
▶ Graduations are specified in table
▶ Gauges are available in successive increments to form ranges and elevations for 7 inch is 0.5 to 5.5 feet and 4 inch is 0 to 4 ft
▶ Fiberglass stream gauge are the best permanent marker in a variety of applications and environments
▶ Sturdy fiberglass assures a long life, it does not rot, rust or corrode
▶ Stream gauges are provided in separate units that can be used separately or combined for convenient measuring
▶ Easy to read at long distances, gauges are protected with a non-glare coating and are easy to mount

▶ Stainless steel fasteners are provided which will attach to most surfaces including metal, masonry, wood, and many other surface types
▶ 1/8 inch thick and the pre-drilled holes for mounting have a diameter of ¼ inch
▶ Gauges may be ordered in successive increments to form ranges and elevations
▶ Number plates (sold separately) may be used to customize elevations for a particular application
▶ 7-inch Stream Gauges feature 2-¼ inch (5.72 cm) tall numbers
▶ 4-inch Stream Gauges features 1-¼-inch (3.175 cm) tall numbers
▶ Use unnumbered gauges for height beyond 15.5 ft, 16 ft, or 3.66 m as needed

APPLICATIONS
▶ Monitoring the water level of rivers, creeks, streams, bays etc.

Part No. 99000

PART NO.	DESCRIPTION	LENGTH	WIDTH	GRADS	WEIGHS
99000	Un-Numbered	4 ft	4 inch (10.2 cm)	feet / 10ths / 100ths	2.00 lb (0.91 kg)
99001	4 ft	0 - 4 ft	4 inch (10.2 cm)	feet / 10ths / 100ths	2.00 lb (0.91 kg)
99002	4 ft	4 - 8 ft	4 inch (10.2 cm)	feet / 10ths / 100ths	2.00 lb (0.91 kg)
99003	4 ft	8 - 12 ft	4 inch (10.2 cm)	feet / 10ths / 100ths	2.00 lb (0.91 kg)
99004	4 ft	12 - 16 ft	4 inch (10.2 cm)	feet / 10ths / 100ths	2.00 lb (0.91 kg)
99023	Un-Numbered	4 ft	4 inch (10.2 cm)	feet / 10ths	2.00 lb (0.91 kg)
99051	1.22 m	0 - 1.22 m	10.2 cm (4 inch)	m / dm / cm	2.00 lb (0.91 kg)
99052	1.22 m	1.22 - 2.44 m	10.2 cm (4 inch)	m / dm / cm	2.00 lb (0.91 kg)
99053	1.22 m	2.44 - 3.66 m	10.2 cm (4 inch)	m / dm / cm	2.00 lb (0.91 kg)
99071	Un-Numbered	5 ft	7 inch (17.78 cm)	feet / 10ths / 100ths	4.00 lb (1.81 kg)
99072	Un-Numbered	5 ft	7 inch (17.78 cm)	feet / 10ths	4.00 lb (1.81 kg)
99079	5 ft	0.5 - 5.5 ft	7 inch (17.78 cm)	feet / 10ths	4.00 lb (1.81 kg)
99080	5 ft	5.5 ft - 10.5 ft	7 inch (17.78 cm)	feet / 10ths	4.00 lb (1.81 kg)
99081	5 ft	10.5 - 15.5 ft	7 inch (17.78 cm)	feet / 10ths	4.00 lb (1.81 kg)

Mounting Hardware For Stream Gauges — Included with purchase of any Stream Gauge

FEATURES & BENEFITS
▶ Includes 7 sets of stainless steel screws and anchors

▶ Contains 14 each of screws and anchors packaged in packs of four

APPLICATIONS
▶ Monitoring the water level of rivers, creeks, streams, bays etc.

Part No. 99043

99043 — Mounting Hardware for Stream Gauges

sēco

Stream Gauges Plate Numbers

Sturdy fiberglass assures a long life, will not rust or corrode

FEATURES & BENEFITS

▸ Number plates may be used to customize elevations for a particular application
▸ Gauges may be ordered in successive increments to form ranges and elevations
▸ All stream gauges are 1/8-inch thick and the pre-drilled holes for mounting have a diameter of ¼-inch

▸ Numbers on 7-inch stream gauges are 2-¼-inch tall
▸ Numbers on 4-inch stream gauges are 1-¼-inch tall
▸ Stream Gauges are provided in separate units that can be used separately or combined for convenient measuring
▸ Easy to read at long distances, the Gauges are protected with a non-glare coating

APPLICATIONS

▸ Monitoring the water level of rivers, creeks, streams, bays etc.

PART NO.	NUMBER PLATE	MEASURES	
99060	0 (zero)	2-1/4 x 4 inches	🇺🇸
99061	1 (one)	2-1/4 x 4 inches	🇺🇸
99062	2 (two)	2-1/4 x 4 inches	🇺🇸
99063	3 (three)	2-1/4 x 4 inches	🇺🇸
99064	4 (four)	2-1/4 x 4 inches	🇺🇸
99065	5 (five)	2-1/4 x 4 inches	🇺🇸
99066	6 (six)	2-1/4 x 4 inches	🇺🇸
99067	7 (seven)	2-1/4 x 4 inches	🇺🇸
99068	8 (eight)	2-1/4 x 4 inches	🇺🇸
99069	9 (nine)	2-1/4 x 4 inches	🇺🇸
99070	- (Minus)	2-1/4 x 4 inches	🇺🇸

1X and 2X Magnification Hand Levels

Features brass bodies, non-glare internal finish, high-visibility neon yellow vials, and 3 line mirrors

▸ Features brass bodies, a non-glare internal finish, high-visibility neon yellow vials, and three-line mirrors
▸ 5 inch (127 mm) 1X hand level extends to 7 inches (178 mm)
▸ External vial is easily replaced in the field
▸ Case included
▸ Weighs 0.30 lb (0.14 kg)

4040-05 — 5 to 7 inch, 1X External Vial 🇺🇸

▸ Features brass bodies, a non-glare internal finish, high-visibility neon yellow vials, and 3-line mirrors
▸ Economically priced hand level
▸ 5 inch (127 mm) 1X level has an external vial that is easily replaced in the field
▸ Case included
▸ Weighs 0.30 lb (0.14 kg)

4040-60 — 5 inch, 1X External Vial 🇺🇸

▸ The Abney level is ideal for preliminary survey or landscaping, where the determination of slope, angle and percentage is required
▸ Measures 5.25 inches (133 mm) in length
▸ Weighs 0.15 lb (0.07 kg)

4050-01 — Abney Hand Level 🇺🇸

▸ Features brass bodies, a non-glare internal finish, high-visibility neon yellow vials, and 3-line mirrors
▸ The 2X model is a heavy-duty 5 inch (127 mm) hand level that extends to 7 inches (178 mm)
▸ External vial is easily replaced in the field
▸ Case included
▸ Weighs 0.35 lb (0.16 kg)

4040-30 — 5 to 7 inch, 2X External Vial 🇺🇸

▸ Features brass bodies, a non-glare internal finish, high-visibility neon yellow vials, and three-line mirrors
▸ 2X model is a heavy-duty, 5 inch (127 mm) hand level that extends to 7 inches (178 mm)
▸ Features an enclosed vial
▸ Case included
▸ Weighs 0.40 lb (0.18 kg)

4300-00 — 5 to 7 inch, 2X External Vial 🇺🇸

▸ Features brass bodies, a non-glare internal finish, high-visibility neon yellow vials, and three-line mirrors
▸ 2X hand level is the industry standard hand level
▸ The 6 inch (152 mm) level extends to 7 inches (178 mm) and has an enclosed vial
▸ Case included
▸ Weighs 0.40 lb (0.18 kg)

4200-00 — 6 to 7 inch, 2X Internal Vial 🇺🇸

▸ Made from padded Nylon Cordura is perfect for your level
▸ Measures 6.5 x 2.62 inches (16.5 x 6.66 cm)
▸ Weighs 0.05 lb (0.02 kg)

8030-00-CABLU — Hand Level Case 🇺🇸

Magnetic Dampened Auto Level and Packages

Easy-to-use 24X and 32X magnetic

FEATURES & BENEFITS

▶ The SL101 Mesa features a highly visible beam and electronically self-levels for horizontal and vertical
▶ Intuitive, one-touch, operator controls allow for quick start up and adjustment
▶ Multiple scanning angles and rotating speeds are possible, as well as operation of key functions over the job site with the included remote control
▶ Manual slope control to match known references
▶ The SL101 includes a laser, tripod, Twister receiver (ATI993640-02) and clamp, choice of grade rod, batteries, remote control (Q101401), glasses, target, wall mount, laser safety kit, strap and operator's manual in a portable hard shelled carrying case
▶ For further specifications see website
▶ Weighs 27.00 lb (12.30 kg)

▶ The 32X auto level features a sturdy metal Japanese-style body with a magnetic dampened compensator
▶ Fits 5/8 x 11 flat or domed tripods
▶ The top cover plate is easily removed for adjustment
▶ Accurate to 1/16 inch per 100 feet (with good weather conditions)
▶ Includes carrying case

APPLICATIONS

▶ Two-person leveling across the job site
▶ Leveling forms and footers
▶ Checking elevation
▶ Measuring cut and fill

Part No.
4811-24

PART NO.	POWER/DAMPENING	TRIPOD	ROD	
4811-24	24X / Magnetic Dampened	No	None	
4811-24P1	24X / Magnetic Dampened	Yes	9 ft, 8ths / feet	
4811-24P2	24X / Magnetic Dampened	Yes	9 ft, 10ths / feet	
4811-24P3	24X / Magnetic Dampened	Yes	3 m, Metric	
4811-24P4	24X / Magnetic Dampened	Yes	13 ft, 8ths / feet	
4811-24P5	24X / Magnetic Dampened	Yes	13 ft, 10ths / feet	
4811-24P6	24X / Magnetic Dampened	Yes	4 m, Metric	
4811-24P7	24X / Magnetic Dampened	Yes	16 ft, 8ths / feet	
4811-24P8	24X / Magnetic Dampened	Yes	16 ft, 10ths / feet	
4811-32	32X / Magnetic Dampened	No	None	
4811-32P1	32X / Magnetic Dampened	Yes	9 ft, 8ths / feet	
4811-32P2	32X / Magnetic Dampened	Yes	9 ft, 10ths / feet	
4811-32P3	32X / Magnetic Dampened	Yes	3 m, Metric	
4811-32P6	32X / Magnetic Dampened	Yes	4 m, Metric	

seco

24X Air or Magnetic Dampened Auto Level

Easy-to-use 24X and 32X optical auto-levels

FEATURES & BENEFITS

▶ Features 24X magnification
▶ Choice of magnetic or air dampened compensators
▶ Comes with an endless tangent drive, tilting mirror for easy viewing of the leveling vial and a peep sight collimator for quick pointing
▶ Removable top cover makes access to the compensator easy
▶ Accurate to 1/16 inch per 100 feet (in good weather conditions)
▶ Includes a high-quality, impact resistant padded carrying case
▶ Simplest package includes: auto level, Allen wrench, pin tool, rain cover, and plumb bob

▶ Air dampened auto compensator
▶ Double-sided, continuous horizontal tangent drives
▶ Stadia lines for simple distance measurement
▶ Water resistant construction
▶ Convenient horizontal angle measurement
▶ Built in bubble mirror and optical sighting alignment
▶ Metal housing for increased durability

APPLICATIONS

▶ Two-person leveling across the job site
▶ Leveling forms and footers
▶ Checking elevation
▶ Measuring cut and fill

Part No.
AL24A

SPECIFICATIONS	4811-24	4811-32	AL24A	AL24M	AL32A
Magnification	24X	32X	24X	24X	32X
Objective Diameter	36 mm	42 mm	30 mm	30 mm	36 mm
Field of View Angle	1° 20'	1° 20'	1° 20'	1° 20'	1° 20'
Shortest Focusing Distance	0.3 m	0.3 m	0.6 m	0.6 m	0.6 m
Stadia Constant	100	100	100	100	100
Additive Constant	0	0	0	0	0
Compensator Dampening	Magnetic	Magnetic	Air	Magnetic	Air
Compensator Range	±15′	±15′	±15′	±15′	±15′
Compensator Setting Accuracy	<0.5"	<0.5"	<0.5″	<0.5″	<0.3″
Double Run Leveling per 1 km	2 mm	1 mm	2 mm	2 mm	1 mm
Circular Vial Accuracy	8/2 mm	8/2 mm	8/2 mm	8/2 mm	8/2 mm
Horizontal Circle	1°	1°	1°	1°	1°
Base Plate	5/8 x 11	5/8 x 11	5/8 x 11	5/8 x 11	5/8 x 11
Color	Red	Red	Yellow	Yellow	Yellow
Weight	3.97 lb (1.80 kg)	3.97 lb (1.80 kg)	3.50 lb (1.60 kg)	3.50 lb (1.60 kg)	3.50 lb (1.60 kg)

PART NO.	POWER/DAMPENING	TRIPOD	ROD	
AL24A	24X / Air Dampened	No	None	
AL24A-1	24X / Air Dampened	Yes	16 ft, 10ths	
AL24A-2	24X / Air Dampened	Yes	16 ft, inches	
AL24A-3	24X / Air Dampened	Yes	5 m, metric	
AL24M	24X / Magnetic Dampened	No	None	
AL24M-1	24X / Magnetic Dampened	Yes	16 ft, 10ths	
AL24M-2	24X / Magnetic Dampened	Yes	16 ft, inches	
AL24M-3	24X / Magnetic Dampened	Yes	5 m, metric	
AL32A	32X / Air Dampened	No	None	

6

Construction Theodolite — Full-featured digital theodolite for construction

FEATURES & BENEFITS

▶ Designed for general construction applications
▶ The Spectra Precision DET-2 digital electronic theodolite gives you accurate measurements in an affordable, versatile, easy to use platform
▶ Offers dual displays and controls for easy accessibility and operation, very large backlit LCD characters for easy reading (also, reduces eye strain and chance for errors), and a host of features and parameters normally found on much higher priced instruments
▶ Fast investment payback is the goal of the Spectra Precision DET-2
▶ With its 2-second accuracy (1- or 5-second selectable display readings) and vertical axis compensation, it can handle any construction job
▶ Operating costs are kept low with the included rechargeable battery pack and charger
▶ Able to be fully customized for your preferred operating style or job, with programmable settings for the horizontal angle resolution and beep, vertical degrees or %, automatic shutoff (to save battery life), and zenith angle

▶ A backup alkaline pack holding four standard AA batteries is also included
▶ Includes a built-in reticle illuminator that allows you to work inside buildings and other environments with little or no light, such as near dawn or dusk
▶ You can count on working in difficult conditions with an environmental rating of IP-54 making it water and dust-proof
▶ Comes equipped with a plumb bob, NiMH rechargeable battery pack and charger, alkaline battery pack, adjustment tools, rain hood, multi-language user guide, and hard-shell carrying case
▶ Accurate enough for any job, yet the display resolution can be tailored to any operator's preferences for fast readings
▶ Vertical axis compensation can be turned on or off depending on the operator or job
▶ Programmable settings for the horizontal angle resolution and beep, vertical degrees or percent are easy to configure
▶ The recharge kit reduces operating costs and downtime
▶ For Specifications see website

APPLICATIONS

▶ Establishing 90 degree reference lines
▶ Checking angles, alignment, and plumb
▶ Anchor bolt alignment
▶ Gravity flow pipe laser setup
▶ Steel column placement
▶ Alignment of forms, tilt-up walls, and curtain walls
▶ Basic grade work
▶ Short range leveling

Part No. DET-2

DE-50
Optional eye piece sold separately

DET-2 — Construction Theodolite
DE-50 — Diagonal Eye Piece

Batter Board Clamp — Accessories and components for rotating lasers

FEATURES & BENEFITS

▶ Attaches to boards with thicknesses up to 2.17 in (55 mm)
▶ Mounting plate with its 5/8 x 11 screw can easily be removed when connecting it to a laser or theodolite
▶ Nail hole ensures that a theodolite's axis is positioned exactly over the reference point

▶ Soft-touch locking knobs prove comfortable when using in cold and wet weather
▶ 3-point contact for secure, sturdy grip
▶ Quick release clamp for quick instrument attachment
▶ Weighs 2.43 lb (1.10 kg)

APPLICATIONS

▶ Perfect for a laser for vertical applications or Theodolites

Part No. 4852-14

4852-14 — Batter Board Clamp

seco

Storm Laserometer Receiver

Highly-visable LED lights show red for off-grade and green for on-grade

FEATURES & BENEFITS
▶ Features a digital readout of elevation which provides a numeric display of ± 2 inches (± 5 cm)
▶ Accurate measurements can be made without moving the rod clamp, saving time and increasing productivity
▶ Waterproofed to IP67 standards
▶ The protective over-molding allows it to withstand a drop of 10 feet (3 meters) onto concrete
▶ The patented universal reversible clamp fits square and oval rods

▶ 5 inch (12.7 cm) reception height, allows quick acquisition of the laser beam
▶ A patented anti-strobe sensor prevents construction lights from giving faulty signals
▶ The high visible LEDs on the front show red for high and low and green for on-grade
▶ Fiberglass rod sold separately
▶ Weighs (with batteries) 0.85 lb (0.38 kg)
▶ Weighs (with batteries and rod clamp) 1.20 lb (0.54 kg)

APPLICATIONS
▶ Highly accurate distance measurement

Part No.
ATI994000-02

ATI994000-02 — Storm Laserometer Receiver - Red
ATI994000-09 — Storm Laserometer Receiver - Yellow

Lightning 2 Laser Detector

Lets you get to grade faster on a wide variety of job sites

FEATURES & BENEFITS
▶ The Lightning™ 2 has an easy-to-read dual LCD and LED displays
▶ Comes equipped with a snap-in rod clamp allowing for fast switching from rod-mounted to hand-held applications
▶ Tough IP67 waterproof housing protects the unit from dust, moisture, and accidental drops

▶ Loud 100 db speaker can be heard on noisy job sites
▶ With two on-grade sensitivities (fine and medium), the Lightning 2 lets you get to grade faster on a wide variety of job sites
▶ Weighs (with batteries) 0.65 lb (0.29 kg)
▶ Weighs (with batteries and rod clamp) 1.00 lb (0.45 kg)

APPLICATIONS
▶ Highly accurate distance measurement

Part No.
ATI993600-02

ATI993600-02 — Lightning 2 Laser Detector - Red
ATI993600-09 — Lightning 2 Laser Detector - Yellow

Twister Laser Receiver

Specifically designed for harsh, loud construction environments

FEATURES & BENEFITS
▶ Designed to receive reference elevation information from rotating laser levels
▶ Detector receives invisible laser beams as well as visible red beams
▶ Detector includes a Liquid Crystal Display (LCD) on the front and rear for easy indication of detector status and grade information
▶ Beeper emits an audible tone that indicates on grade, high or low
▶ Specifically designed for use in harsh, loud construction environments

▶ Battery life is 70+ hours
▶ Beam window height is 2 inches
▶ Accuracy levels are user selectable to meet various job requirements
▶ Impact resistant housings, recessed windows, waterproof design, durable battery contacts, and a high volume beeper are incorporated into every detector
▶ General purpose clamp is designed to mount the detector on various grade rods and staffs
▶ Weighs 1.00 lb (0.45 kg) with batteries

APPLICATIONS
▶ Highly accurate distance measurement

Part No.
ATI993640-02

ATI993640-02 — Twister Laser Receiver - Red
ATI993640-09 — Twister Laser Receiver - Yellow

seco

Bullseye 6 Laser Receiver

Four selectable accuracies for each on-grade location

FEATURES & BENEFITS
▶ Angle compensation automatically calculates and corrects grade display for the angle of the dipper arm
▶ Check grade with the dipper arm extended or retracted up to 30°
▶ Plumb indication built in - for quick and accurate grade checking for excavators and backhoes

▶ Offset on-grade - for productive excavation
▶ Center On-grade - for grading operations - use on dozers, graders, scrapers, box blades
▶ Up to 8 channels of grade information plus directional out of beam indicators
▶ Use as a stand alone display receiver or combine with the optional RD15 Remote Display (ATI991570-09)

APPLICATIONS
▶ Highly accurate distance measurement

Part No.
ATI991320-02

PART NO.	POWER SOURCE	COLOR	
ATI991320-02	Alkaline	Red	
ATI991320-09	Alkaline	Yellow	
ATI991326-02	Rechargeable NIMH	Red	
ATI991326-09	Rechargeable NIMH	Yellow	

Bullseye 5+ Laser Receiver

Up to six channels of grade information

FEATURES & BENEFITS
▶ Built-in blade tilt indication helps the operator keep the blade level or the stick plumb for increased production and accuracy
▶ Can be programmed to match an existing or known grade for slope matching operations
▶ Center on-grade provides an equal amount of grade information above and below on-grade
▶ For grading and excavating machinery

▶ Plumb indication is built in for quick and accurate grade checking
▶ Offset on-grade provides more information above grade utilizing the entire receiver for productive excavation
▶ Three selectable accuracies for each on grade location and up to six channels of grade information plus directional out of beam indicators
▶ Use as a stand alone display receiver or combine with the optional RD15 Remote Display (ATI991570-02)

APPLICATIONS
▶ Highly accurate distance measurement

Part No.
ATI991370-02

PART NO.	POWER SOURCE	COLOR	
ATI991370-02	Alkaline	Red	
ATI991370-09	Alkaline	Yellow	
ATI991376-02	Rechargeable NIMH	Red	
ATI991376-09	Rechargeable NIMH	Yellow	

Bullseye 3+ Laser Receiver

Use on dozers, graders, scrapers, and box blades

FEATURES & BENEFITS
▶ Adapts to grading and excavating machinery
▶ Easy to move from one machine to another 3 selectable accuracies - work from rough grading to final finishing

▶ Bright LED's with green on-grade
▶ 5 channels of grade information plus directional out of beam indicators
▶ Use as a stand alone display receiver or combine with the optional RD15 Remote Display

APPLICATIONS
▶ Highly accurate distance measurement

Part No.
ATI991340-02

PART NO.	POWER SOURCE	COLOR	
ATI991340-02	Alkaline	Red	
ATI991340-09	Alkaline	Yellow	
ATI991346-02	Rechargeable NIMH	Red	
ATI991346-09	Rechargeable NIMH	Yellow	

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Bullseye Magnetic Mounts — Use with Bullseye Receivers

FEATURES & BENEFITS
▶ Both magnetic mount models can be used with all Bullseye receivers
▶ Two magnet banks combine for 900 pounds of holding force
▶ Easy to slide receiver up and down
▶ Easy removal is accomplished using a release lever
▶ Features a large vertical adjustment range for quicker laser set-ups

APPLICATIONS
▶ Highly accurate distance measurement

Part No.
ATI991360-02

ATI991360-02 — Bullseye Magnetic Mount - For Backhoe and Excavator
ATI991364-02 — Bullseye Magnetic Mount - For Flat Back Dozer Blades

Bullseye Receiver Accessories

PART NO.	BULLSEYE RECEIVER ACCESSORIES	
ATI010972-15	Receiver cable, straight, 15 ft	
ATI010972-20	Receiver cable, straight, 20 ft	
ATI010972-25	Receiver cable, straight, 25 ft	
ATI010972-35	Receiver cable, straight, 35 ft	
ATI010972-50	Receiver cable, straight, 50 ft	
ATI010983	Machine power cable, lighter adapter, 2-8 ft	
ATI010987-25	Machine power cable, ring terminals, 25 ft	
ATI991604	Universal battery charger with wall plugs	
ATI010536-02S	Bullseye carrying case (Red)	
ATI010976-02	Swivel mount (shown in ATI991570)	

Gopher Pole Wire Installation Tool — Installing wires across ceiling spans is a lot easier with this unique fiberglass pole

FEATURES & BENEFITS
▶ Telescopes to 22 feet in seconds
▶ Compacts to 52 inches
▶ 2-inch diameter
▶ Safe non-conductive rigid fiberglass
▶ Sturdy and lightweight
▶ Easy to handle in tight spots
▶ No loose parts to assemble
▶ Push or pull wires over long spans
▶ Perfect for interior construction applications like suspended ceilings, sub-floors, crawl spaces, and attics
▶ Warranty against manufacturing defects for one year after date of purchase
▶ Weighs 4.00 lb (1.81 kg)

APPLICATIONS
▶ General interior construction
▶ Long spans
▶ Hard-to-reach areas
▶ Suspended ceilings
▶ Sub-floors
▶ Crawl spaces
▶ Attics

Part No.
90520

90520 — Gopher Pole Wire Installation Tool
91415 — Carrying Case

Wall/Column Bracket for Lasers and Total Stations

Dual mounting options enable flexibility on the construction job site

FEATURES & BENEFITS
- SECO's 4852-17 is a dual-use bracket for lasers and total stations
- Mounts easily to columns (or corners) and flat walls
- The unique design allows quick and easy separation for dual usage
- 5/8 x 11 platform holds the instrument 5 inches from the wall/column surface

- A ratchet and strap secures the bracket to columns up to 20 inches (use Extension Strap #D12328 for larger columns, offering 37 to 69 inches of extra length)
- Multiple nail/screw holes enable wall mounting
- Features a powder coated steel frame
- Weighs 5.00 lb (2.30 kg)

APPLICATIONS
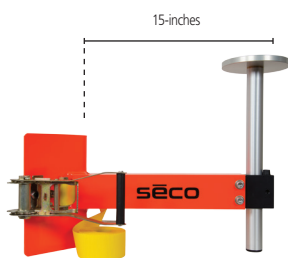- For use with Lasers and Total Stations on large construction sites

Part No. 4852-17

4852-17 — Wall/Column Bracket for Lasers and Total Stations

Heavy-Duty Instrument Column Clamp

Mounts to structural columns for stability and support for heavy instruments

15-inches

FEATURES & BENEFITS
- SECO's Heavy-Duty Column Clamp has a solid stable design and works with all 5/8 x 11 instruments
- The adjustable column rotates and moves vertically to orient the instrument when needed and features 12-inches (30.48 cm) of height adjustment
- Centerline of the 5/8 x 11 stud to column measures 15-inches (38.1-cm)

- Includes a 2-inch (5.08 cm) by 10-ft (3.05-m) strap rated for a 2200 pound load and a heavy-duty ratchet to create a strong connection to both round and square columns
- Constructed of structural aluminum for industrial applications and stainless steel hardware
- Weighs 13.75 lb (6.24 kg)

APPLICATIONS
- For use with Robotic Total Stations and scanners
- Ideal for mounting theodolites, lasers, etc.

Part No. 4852-16

4852-16 — Heavy-Duty Column Clamp

Rotating Laser Column Clamp

Accessories and components for rotating lasers

FEATURES & BENEFITS
- Works with all 5/8 x 11 instruments
- Column rotates to orientate the instrument when needed and features 1 ft (30 cm) of height adjustment
- Center-line of the 5/8 x 11 stud to column measures 6.5 in (16.5 cm)
- Designed to fit both round and square columns

- A ratchet strap quickly tightens the column clamp into place to create a strong connection to columns with diameters up to 20 inches (0.5 m)
- Made of aluminum and stainless steel
- An Extension Strap is also available (D12328, sold separately) which adds 37 to 69 in (94 to 175.2 cm) to the existing strap for big columns
- Weighs 5.10 lb (2.32 kg)

APPLICATIONS
- Perfect for a laser for vertical applications or Theodolites

Part No. 4852-15

4852-15 — Column Clamp

8365-Series Safety Utility Vest

Designed to meet ANSI/ISEA Class 3 Standards

FEATURES & BENEFITS

▶ Made from durable ANSI/ISEA compliant polyester and polyester mesh
▶ Features include YKK zippers, 4 inch (10.16 cm) wide reflective tape with 2 inch (50.8 mm) wide silver stripes made with 3M Scotchlite Reflective Material
▶ Padded collar is made with Outlast fabric on the inside

▶ Developed in conjunction with surveyors from the California Department of Transportation
▶ Includes many quality features; multiple pockets for cell phone, tapes, radio, pencils, maps, spray cans and etc
▶ Plus, two inside pockets and comes with dual mic clips

APPLICATIONS

▶ Workplace safety
▶ Perfect for construction crews or surveyors near busy roads or other possibly hazardous locations where worker visibility is desired

PART NO.	COLOR	SIZE	
8365-42-FLY	Fluorescent Yellow	42 (S)	
8365-42-FOR	Fluorescent Orange	42 (S)	
8365-46-FLY	Fluorescent Yellow	46 (M)	
8365-46-FOR	Fluorescent Orange	46 (M)	
8365-50-FLY	Fluorescent Yellow	50 (L)	
8365-50-FOR	Fluorescent Orange	50 (L)	
8365-54-FLY	Fluorescent Yellow	54 (XL)	
8365-54-FOR	Fluorescent Orange	54 (XL)	
8365-58-FLY	Fluorescent Yellow	58 (XXL)	
8365-58-FOR	Fluorescent Orange	58 (XXL)	
8365-62-FLY	Fluorescent Yellow	62 (XXXL)	
8365-62-FOR	Fluorescent Orange	62 (XXXL)	
8365-66-FLY	Fluorescent Yellow	66 (J)	
8365-66-FOR	Fluorescent Orange	66 (J)	

8368-Series Safety Utility Vest

Designed to meet ANSI/ISEA Class 3 Standards

FEATURES & BENEFITS

▶ Meets the standards for the ANSI/ ISEA Class 3 specifications
▶ Features include an extra large pocket on the back that is perfect for maps with convenient pockets with flaps
▶ Snaps along front allow vest to close

▶ Durable fabric is 100% texturized polyester for softness, comfort, superior strength, abrasion resistance and is machine-washable
▶ Includes a 2 inch (50.8 mm) wide retro reflective tape on the fluorescent body and sleeves

APPLICATIONS

▶ Workplace safety
▶ Perfect for construction crews or surveyors near busy roads or other possibly hazardous locations where worker visibility is desired

PART NO.	COLOR	SIZE	
8368-42-FLY	Fluorescent Yellow	42 (S)	
8368-42-FOR	Fluorescent Orange	42 (S)	
8368-46-FLY	Fluorescent Yellow	46 (M)	
8368-46-FOR	Fluorescent Orange	46 (M)	
8368-50-FLY	Fluorescent Yellow	50 (L)	
8368-50-FOR	Fluorescent Orange	50 (L)	
8368-54-FLY	Fluorescent Yellow	54 (XL)	
8368-54-FOR	Fluorescent Orange	54 (XL)	
8368-58-FLY	Fluorescent Yellow	58 (XXL)	
8368-58-FOR	Fluorescent Orange	58 (XXL)	
8368-62-FLY	Fluorescent Yellow	62 (XXXL)	
8368-62-FOR	Fluorescent Orange	62 (XXXL)	
8368-66-FLY	Fluorescent Yellow	66 (J)	
8368-66-FOR	Fluorescent Orange	66 (J)	

8390-Series Mesh Safety Vest

Designed to meet ANSI/ISEA Class 3 Standards

FEATURES & BENEFITS
▶ Meets ANSI/ISEA Class 3 standards for reflectivity
▶ Manufactured with tricot and textured Polyester mesh for durability and comfort
▶ Includes three front outside pockets and a mic clip

▶ Stays cool in the summer heat and are highly visible in low-light conditions and includes snaps to allow vest to close
▶ Features a 3 inch (76.2 mm) wide reflective tape with 2 inch (50.8 mm) wide silver stripes

APPLICATIONS
▶ Workplace safety
▶ Perfect for construction crews or surveyors near busy roads or other possibly hazardous locations where worker visibility is desired

PART NO.	COLOR	SIZE	
8390-50-FLY	Fluorescent Yellow	50 (L)	
8390-50-FOR	Fluorescent Orange	50 (L)	
8390-54-FLY	Fluorescent Yellow	54 (XL)	
8390-54-FOR	Fluorescent Orange	54 (XL)	
8390-58-FLY	Fluorescent Yellow	58 (XXL)	
8390-58-FOR	Fluorescent Orange	58 (XXL)	
8390-62-FLY	Fluorescent Yellow	62 (XXXL)	
8390-62-FOR	Fluorescent Orange	62 (XXXL)	

8265-Series Safety Utility Vest

Designed to meet ANSI/ISEA Class 2 Standards

FEATURES & BENEFITS
▶ Developed in conjunction with surveyors from the California DOT
▶ Features include bright fluorescent material, 4 inch (101.6 mm) wide contrasting reflective material with 2 inch (50.8 mm) wide silver stripes made of 3M™ Scotchlite™ reflective material
▶ Made of durable polyester, brass grommets, heavy-duty webbing and trim, and a genuine YKK™ zipper

▶ Adaptive Comfort® material by Outlast®, a Certified Space Technology™, designed to balance body temperature
▶ Features four large pockets on the outside and two generous pockets on the inside — great for field books, tapes, pencils, flagging, cell phones, etc
▶ Includes two spray can holders

APPLICATIONS
▶ Workplace Safety
▶ Perfect for construction crews or surveyors near busy roads or other possibly hazardous locations where worker visibility is desired

PART NO.	COLOR	SIZE	
8265-42-FLY	Fluorescent Yellow	42 (S)	
8265-42-FOR	Fluorescent Orange	42 (S)	
8265-46-FLY	Fluorescent Yellow	46 (M)	
8265-46-FOR	Fluorescent Orange	46 (M)	
8265-50-FLY	Fluorescent Yellow	50 (L)	
8265-50-FOR	Fluorescent Orange	50 (L)	
8265-54-FLY	Fluorescent Yellow	54 (XL)	
8265-54-FOR	Fluorescent Orange	54 (XL)	
8265-58-FLY	Fluorescent Yellow	58 (XXL)	
8265-58-FOR	Fluorescent Orange	58 (XXL)	
8265-62-FLY	Fluorescent Yellow	62 (XXXL)	
8265-62-FOR	Fluorescent Orange	62 (XXXL)	
8265-66-FLY	Fluorescent Yellow	66 (J)	
8265-66-FOR	Fluorescent Orange	66 (J)	

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8260-Series U.S./Canada Dual Safety Utility Vest

Designed to meet ANSI/ISEA Class 2 and Canadian CSA-Z96 Standards

FEATURES & BENEFITS

▶ Manufactured to meet ANSI/ISEA 107-2010 Class 2 and CSA-Z96 standards
▶ Vest compartments include a field notebook pocket, pencil slots, flagging tape pocket with grommets, and an internal cell phone pocket
▶ Includes a special padded collar made of Outlast® material for added comfort

▶ Four-inch-wide reflective tape that includes a two-inch-wide silver stripe and high-vis material makes this vest highly visible in any weather condition — day or night
▶ Also including two exterior radio mic clips and a front closing zipper
▶ Made of 100% polyester

APPLICATIONS

▶ Workplace Safety
▶ Perfect for construction crews or surveyors near busy roads or other possibly hazardous locations where worker visibility is desired

PART NO.	COLOR	SIZE	
8260-46-FLY	Fluorescent Yellow	46 (M)	🇺🇸
8260-46-FOR	Fluorescent Orange	46 (M)	🇺🇸
8260-50-FLY	Fluorescent Yellow	50 (L)	🇺🇸
8260-50-FOR	Fluorescent Orange	50 (L)	🇺🇸
8260-54-FLY	Fluorescent Yellow	54 (XL)	🇺🇸
8260-54-FOR	Fluorescent Orange	54 (XL)	🇺🇸
8260-58-FLY	Fluorescent Yellow	58 (XXL)	🇺🇸
8260-58-FOR	Fluorescent Orange	58 (XXL)	🇺🇸
8260-62-FLY	Fluorescent Yellow	62 (XXXL)	🇺🇸
8260-62-FOR	Fluorescent Orange	62 (XXXL)	🇺🇸
8260-66-FLY	Fluorescent Yellow	66 (J)	🇺🇸
8260-66-FOR	Fluorescent Orange	66 (J)	🇺🇸

8292-Series Safety Utility Vest

Designed to meet ANSI/ISEA Class 2 Standards

FEATURES & BENEFITS

▶ Designed to meet ANSI/ISEA Class 2 requirements
▶ Made from compliant tricot for durability and comfort and a zipper to keep vest closed during cool weather

▶ Comes with an easy access mic clip
▶ Has 2.5 inch (63.5 mm) wide reflective tape with 2-inch (50.8 mm) wide silver stripes
▶ Features multiple pockets for cell phone, tapes, radio, pencils and includes two inside pockets

APPLICATIONS

▶ Workplace Safety
▶ Perfect for construction crews or surveyors near busy roads or other possibly hazardous locations where worker visibility is desired

PART NO.	COLOR	SIZE	
8292-46-FLY	Fluorescent Yellow	46 (M)	🇺🇸
8292-46-FOR	Fluorescent Orange	46 (M)	🇺🇸
8292-50-FLY	Fluorescent Yellow	50 (L)	🇺🇸
8292-50-FOR	Fluorescent Orange	50 (L)	🇺🇸
8292-54-FLY	Fluorescent Yellow	54 (XL)	🇺🇸
8292-54-FOR	Fluorescent Orange	54 (XL)	🇺🇸
8292-58-FLY	Fluorescent Yellow	58 (XXL)	🇺🇸
8292-58-FOR	Fluorescent Orange	58 (XXL)	🇺🇸
8292-62-FLY	Fluorescent Yellow	62 (XXXL)	🇺🇸
8292-62-FOR	Fluorescent Orange	62 (XXXL)	🇺🇸

8290-Series
Economy Safety Vest

Designed to meet ANSI/ISEA Class 2 Standards

FEATURES & BENEFITS
▶ Manufactured to meet ANSI/ISEA Class 2 standards
▶ Manufactured with tricot and texturized polyester mesh for durability and comfort
▶ Made with 3M™ Scotchlite™ Reflective Material and a zipper on chest for frontal closure

▶ Stays cool in the summer heat and is visible in low-light conditions
▶ Features a wide variety of pockets including: radio pocket; pencil pocket; two front outside pockets; two front inside pockets and a rear map pocket
▶ Weighs 0.71 lb (0.32 kg)

APPLICATIONS
▶ Workplace Safety
▶ Perfect for construction crews or surveyors near busy roads or other possibly hazardous locations where worker visibility is desired

PART NO.	COLOR	SIZE	
8290-50-FLY	Fluorescent Yellow	50 (L)	
8290-50-FOR	Fluorescent Orange	50 (L)	
8290-54-FLY	Fluorescent Yellow	54 (XL)	
8290-54-FOR	Fluorescent Orange	54 (XL)	
8290-58-FLY	Fluorescent Yellow	58 (XXL)	
8290-58-FOR	Fluorescent Orange	58 (XXL)	
8290-62-FLY	Fluorescent Yellow	62 (XXXL)	
8290-62-FOR	Fluorescent Orange	62 (XXXL)	

8069-Series
Safety Utility Vest

Designed to meet ANSI/ISEA Class 2 Standards

FEATURES & BENEFITS
▶ Vests are manufactured to meet ANSI/ISEA Class 2 standards
▶ Features a cool, comfortable mesh back and snaps in front to close vest
▶ 100% polyester

▶ Includes special compartments for notebooks, pencils, compass, flagging tape, etc
▶ Features exterior radio mic clip

APPLICATIONS
▶ Workplace Safety
▶ Perfect for construction crews or surveyors near busy roads or other possibly hazardous locations where worker visibility is desired

PART NO.	COLOR	SIZE	
8069-38-FOR	Fluorescent Orange	38 (XS)	
8069-42-FLY	Fluorescent Yellow	42 (S)	
8069-42-FOR	Fluorescent Orange	42 (S)	
8069-46-FLY	Fluorescent Yellow	46 (M)	
8069-46-FOR	Fluorescent Orange	46 (M)	
8069-50-FLY	Fluorescent Yellow	50 (L)	
8069-50-FOR	Fluorescent Orange	50 (L)	
8069-54-FLY	Fluorescent Yellow	54 (XL)	
8069-54-FOR	Fluorescent Orange	54 (XL)	
8069-58-FLY	Fluorescent Yellow	58 (XXL)	
8069-58-FOR	Fluorescent Orange	58 (XXL)	
8069-62-FLY	Fluorescent Yellow	62 (XXXL)	
8069-62-FOR	Fluorescent Orange	62 (XXXL)	
8069-66-FLY	Fluorescent Yellow	66 (J)	
8069-66-FOR	Fluorescent Orange	66 (J)	

8068-Series
Safety Utility Vest

Designed to meet ANSI/ISEA Class 2 Standards

FEATURES & BENEFITS

▶ Durable fluorescent fabric is constructed of 100% polyester for softness, comfort, superior strength and abrasion resistance

▶ Features convenient pockets with sturdy fasteners, map pocket and mic clip

▶ Complies with ANSI/ISEA Class 2 standards for high-visibility safety apparel with two-inch-wide stripes of retroreflective tape

▶ Snaps on chest allow vest to close

APPLICATIONS

▶ Workplace Safety

▶ Perfect for construction crews or surveyors near busy roads or other possibly hazardous locations where worker visibility is desired

PART NO.	COLOR	SIZE	
8068-42-FLY	Fluorescent Yellow	42 (S)	
8068-42-FOR	Fluorescent Orange	42 (S)	
8068-46-FLY	Fluorescent Yellow	46 (M)	
8068-46-FOR	Fluorescent Orange	46 (M)	
8068-50-FLY	Fluorescent Yellow	50 (L)	
8068-50-FOR	Fluorescent Orange	50 (L)	
8068-54-FLY	Fluorescent Yellow	54 (XL)	
8068-54-FOR	Fluorescent Orange	54 (XL)	
8068-58-FLY	Fluorescent Yellow	58 (XXL)	
8068-58-FOR	Fluorescent Orange	58 (XXL)	
8068-62-FLY	Fluorescent Yellow	62 (XXXL)	
8068-62-FOR	Fluorescent Orange	62 (XXXL)	
8068-66-FLY	Fluorescent Yellow	66 (J)	
8068-66-FOR	Fluorescent Orange	66 (J)	

8063-Series
Surveyors Utility Vest

Designed to meet ANSI/ISEA Class 2 Standards

FEATURES & BENEFITS

▶ Vests are manufactured to meet ANSI/ISEA Class 2 standards

▶ Features a comfortable hi-tech liner made of Adaptive Comfort® material by Outlast®, a Certified Space Technology™, designed to balance body temperature

▶ 100% polyester

▶ Vest snaps on chest allow for frontal closure

▶ Includes pockets for notebooks, maps, pencils, compasses, flagging tape, etc

▶ Also features exterior radio mic clip

▶ Weighs 1.94 lb (0.89 kg)

APPLICATIONS

▶ Workplace Safety

▶ Perfect for construction crews or surveyors near busy roads or other possibly hazardous locations where worker visibility is desired

PART NO.	COLOR	SIZE	
8063-38-FOR	Fluorescent Orange	38 (XS)	
8063-42-FLY	Fluorescent Yellow	42 (S)	
8063-42-FOR	Fluorescent Orange	42 (S)	
8063-46-FLY	Fluorescent Yellow	46 (M)	
8063-46-FOR	Fluorescent Orange	46 (M)	
8063-50-FLY	Fluorescent Yellow	50 (L)	
8063-50-FOR	Fluorescent Orange	50 (L)	
8063-54-FLY	Fluorescent Yellow	54 (XL)	
8063-54-FOR	Fluorescent Orange	54 (XL)	
8063-58-FLY	Fluorescent Yellow	58 (XXL)	
8063-58-FOR	Fluorescent Orange	58 (XXL)	
8063-62-FLY	Fluorescent Yellow	62 (XXXL)	
8063-62-FOR	Fluorescent Orange	62 (XXXL)	
8063-66-FLY	Fluorescent Yellow	66 (J)	
8063-66-FOR	Fluorescent Orange	66 (J)	

8067-Series Heavy-Duty Safety Utility Vest

Built with Cordura

FEATURES & BENEFITS
▶ Vest is made of heavy-duty, water-repellent 1000 denier Cordura®
▶ Snaps allow vest closure
▶ Cordura is more durable than cotton, polyester, ordinary nylon
▶ Perfect for jobs away from federal highways (non ANSI/ISEA compliant) but where high visibility is still desired
▶ Weighs 1.65 lb (0.72 kg)

APPLICATIONS
▶ Workplace Safety
▶ Light-duty applications where visibility is desired but not mandated

PART NO.	COLOR	SIZE	
8067-38-FOR	Fluorescent Orange	38 (XS)	
8067-42-FLY	Fluorescent Yellow	42 (S)	
8067-42-FOR	Fluorescent Orange	42 (S)	
8067-46-FLY	Fluorescent Yellow	46 (M)	
8067-46-FOR	Fluorescent Orange	46 (M)	
8067-50-FLY	Fluorescent Yellow	50 (L)	
8067-50-FOR	Fluorescent Orange	50 (L)	
8067-54-FLY	Fluorescent Yellow	54 (XL)	
8067-54-FOR	Fluorescent Orange	54 (XL)	
8067-58-FLY	Fluorescent Yellow	58 (XXL)	
8067-58-FOR	Fluorescent Orange	58 (XXL)	
8067-62-FLY	Fluorescent Yellow	62 (XXXL)	
8067-62-FOR	Fluorescent Orange	62 (XXXL)	
8067-66-FLY	Fluorescent Yellow	66 (J)	
8067-66-FOR	Fluorescent Orange	66 (J)	

Standard Vests

Designed for light-duty applications that don't require ANSI/ISEA certification

FEATURES & BENEFITS
▶ Light weight cool mesh
▶ Elastic sides and a front Velcro® closure
▶ One size fits most
▶ 1 inch (25.4 mm) wide reflective stripes
▶ Mesh material is trimmed with 0.25 inch (6.35 mm) wide nylon binding
▶ Available in either fluorescent orange or yellow
▶ Weighs 0.27 lb (0.12 kg)

APPLICATIONS
▶ Workplace safety
▶ Light-duty applications where visibility is desired but not mandated

Part No.
8076-01-FLY

PART NO.	COLOR	SIZE	
8076-01-FLY	Fluorescent Yellow	One size fits most	
8076-01-FOR	Fluorescent Orange	One size fits most	

Hydration Backpack

Stay hydrated on the job while maintaining workplace safety

FEATURES & BENEFITS
▶ 20 x 8 inches (20.32 x 50.8 cm)
▶ Chest strap with side release buckle
▶ 4-inch (101.6 mm) wide fabric with 2-inch (50.8 mm) wide reflective tape (same as safety vest)
▶ 1-inch (25.4 mm) wide polypropylene webbing allows shoulder straps to adjust
▶ 1000D Cordura Nylon is bonded to the ¼-inch (6.35 mm) back padding
▶ Neoprene sleeve surrounds the hydration tube
▶ Bladder size 2.5 liters (84.5 fl oz)
▶ When bladder is completely full the hydration pack is 5 inches (127 mm) thick
▶ Mod-U-Lox® keeps hydration tube secure on either strap, allowing access to the bite valve for either right or left handed use (one on each side)
▶ Weighs (with water) 6.70 lb (3.03 kg)
▶ Weighs (without water) 1.20 lb (0.54 kg)

APPLICATIONS
▶ Workplace Safety
▶ Construction environment

Part No.
8125-60-FOR

8125-60-FOR — Hydration Backpack

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Utility Bags and Miscellaneous Cases

Designed to keep your field equipment and supplies safe and secure

▸ This Cordura® case is designed for the TDS™ Recon®
▸ Inside dimensions: 1 x 3.25 x 9 inches (2.5 x 8.3 x 22.9 cm)
▸ Weighs 0.20 lb (0.09 kg)

8240-00-ORG — Case Without Flash Cap

▸ Fits most large controllers like the Ranger™ series, Allegro, TSC2™
▸ Features a Velcro® flap closure, belt loop and shoulder strap
▸ Main compartment measures 10.25 x 5.25 x 2 inches (26 x 13.3 x 5 cm)
▸ Padded with 0.25 in (6.35 mm) 1000D Cordura material with khaki trim
▸ Outside pocket is 6 x 5 in (15 x 12.7 cm)
▸ Weighs 0.35 lb (0.16 kg)

8142-01-ORG — Large Controllers Case

▸ Secure your cell phone to any survey pole without slipping
▸ Inside dimensions: 5 x 2.5 x 1.5 inches (12.7 x 6.35 x 3.81 cm)
▸ Weighs 0.10 lb (0.45 kg)

8143-22-FLY — GNSS Rod Cell Phone Case

▸ Features four exterior deep-zippered pockets — two front and two side
▸ Two interior pockets — 14 x 12 x 2 inches with hook-and-loop closures
▸ Heavy-duty nylon webbing carrying straps
▸ Measures 30 x 14 x 20 inches (76.2 x 35.6 x 50.8 cm)
▸ Weighs 3.78 lb (1.72 kg)

8106-10-ORG — Monster Gear Bag

▸ Excellent for carrying surveying accessories, clothing, and other miscellaneous gear
▸ Made of heavy-duty water resistant polyester
▸ Measures 27 x 11 x 11 inches (69 x 28 x 28 cm)
▸ Weighs 1.56 lb (0.71 kg)

8106-20-ORG — Surveyor's Gear Bag with Rhinotek Bottom

▸ Features include an outside pocket with a Velcro closure and 2 inch straps made with heavy-duty webbing
▸ Also features a Rhinotek™ and leather reinforced bottom
▸ Measures 10.25 x 15 inches (26 x 38 cm)
▸ Weighs 1.30 lb (0.59 kg)

8095-20-ORG — Heavy-Duty Collapsible Bucket Bag

▸ This case holds the Trimble® Pathfinder® ProXH™ or the ProXT™ GNSS unit securely
▸ Weighs 0.45 lb (0.20 kg)

8143-21-YEL — Trimble Pathfinder Series Pole Case

▸ The MiFi Hotspot Case secures any MiFi unit to any GNSS survey pole or prism pole
▸ Easily attaches to a GNSS or prism pole with the metal clamp on case
▸ This pouch stays in place; it will not slip down the pole
▸ Features a window to clearly view the installed unit activity
▸ Works with all MiFi Hotspots and most smart phones on the market today
▸ A Velcro strap keeps unit safely inside clear pouch
▸ Inside dimensions 6 x 4.25 inches (15.24 x 10.8 cm)
▸ Constructed of heavy-duty Cordura®
▸ Comes in fluorescent yellow
▸ Weighs 0.35 lb (0.16 kg)

8143-40-FLY — MiFi Hotspot Case

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BAGS AND CASES

Tool Pouches — Designed to keep your tools safe and organized

▸ Features include an 11 x 7 inch (28 x 18 cm) and 6 x 4 inch (15 x 10 cm) pouches
▸ Has slots for markers, a loop for axes or hammers
▸ Weighs 0.40 lb (0.18 kg)

8046-20-ORG — Construction-Style Tool Pouch

▸ Features a 9 x 2 x 11 inch (22.9 x 5.08 x 27.9 cm) pocket
▸ Large pocket is lined with two layers of 1000D Cordura
▸ Webbed belt adjusts to a 50 inch (127 cm) waist
▸ Includes a hammer loop and marker storage
▸ Weighs 1.05 lb (0.48 kg)

8046-30-ORG — Surveyor's Tool Pouch with Belt

GNSS Pole and Tripod Bags — Designed to keep your GNSS tripods and rods safe and secure

▸ This bag features heavy-duty Cordura® material and Rhinotek™
▸ Shoulder strap is included
▸ Use with Heavy-Duty GNSS Antenna Tripods (5119-10)
▸ Measures: 8 inch ID x 56 inches (20.32 x 142.24 cm)
▸ Weighs 1.80 lb (0.82 kg)

8154-12-ORG — Heavy-Duty GNSS Tripod Bag

▸ Replacement carrying case for Radio Antenna Tripod
▸ Case comes included when you purchased the Radio Antenna Tripod (5300-11 & 5300-12)

8154-10-ORG — Radio Antenna Tripod Carrying Case

▸ Use with our Collapsible GNSS Antenna Tripod (5119-00) or other conventional tripods
▸ Designed to carry the tripod without the point on the center pole to prevent damage to the pole
▸ Features a full length heavy-duty zipper
▸ Available in orange
▸ Weighs 1.70 lb (0.77 kg)

8154-00-ORG — Collapsible GNSS Antenna Tripod Bag

▸ Features a full-length zipper and shoulder strap
▸ Measures: 82 x 9 OD inches (208.28 x 22.86 OD cm)
▸ Weighs 1.88 lb (0.85 kg)

8153-10-ORG — Extra-Large Antenna Tripod Bag

▸ This bag holds a 2 meter Snap-Lock pole and bipod or tripod (connected)
▸ Constructed of tough Cordura material and Rhinotek ends
▸ Measures 56 inches long (1.42 m)
▸ Weighs 1.50 lb (0.68 kg)

▸ Designed to protect the rods during transportation or storage
▸ Weighs 0.45 lb (0.20 kg)

8162-00-ORG — GPS Rover Rod Carrying Case

8151-02-FLY — Heavy-Duty Snap-Lock 2-Meter Pole System Bag

Instrument Tripod Bags and Cases — Designed to keep your instrument tripods safe and secure

▸ The SECO Instrument Tripod Bag holds all major brands of aluminum and wooden tripods
▸ Made of heavy-duty nylon Cordura, with a leather bottom, and pull string ties at the top
▸ Measures: 52 x 8.75 OD inches (132 x 22.23 OD cm)
▸ 8150-00 weighs 0.26 lb (0.57 kg)
▸ 8150-20 weighs 1.85 lb (0.84 kg)

8150-00-ORG
8150-20-ORG

8150-00-ORG — Instrument Tripod Bag
8150-20-ORG — Heavy-Duty Tripod Bag with Rhinotek Bottom

▸ Fits all tripods, 47-inches (1.2-m) or less collapsed
▸ Full-length aluminum hinge with four fold-down latches
▸ Two carry handles: one on the side, one on the end
▸ Internal #2 EPE foam tripod cutout, two securing straps
▸ Hard 0.125 ABS bracket pad to prevent tripod points from penetrating the foam
▸ Area for business card and shipping labels
▸ Replaceable wheels
▸ Hard durable black ABS plastic
▸ Size: 49.125 x 12.12 x 11.27 inches (125 x 30.78 x 28.63 cm)
▸ Weighs 24.75 lb (11.25 kg)

8160-31 — Hard Tripod Case with Wheels

▸ Heavy-duty bag for carrying many different brands of tripods, including SECO and Tri-Max
▸ Features zipper closure
▸ Measures: 48 x 8 OD inches (121.9 x 20.3 OD cm)
▸ Weighs 1.80 lb (0.82 kg)

8154-11-ORG — Super-Duty Tripod Bag

sēco

Rover Rods and Prism Pole Tripod Cases

Designed to keep your Rover rod, Robotics role and Prism pole tripods safe and clean

▸ Store your two-piece rover rod in this hard shell case and know it's protected
▸ Measures 4 ID x 41 in (10.16 ID x 104.14 cm)
▸ Weighs 3.20 lb (1.40 kg)

8162-20-BLK — GNSS Rover Rod Hard Shell Case

▸ External and internal side pockets hold extra gear
▸ Measurements: 6 OD x 58 inches (15.25 OD x 147.32 cm)
▸ Weighs 2.70 lb (1.23 kg)

8157-01-ORG — Long Padded System Bag

▸ Designed to carry a prism pole with tripod attached
▸ Has a fold-over flap and shoulder strap
▸ Made from nylon Cordura and durable Rhinotek
▸ Measures: 7.5 ID x 60 inches (19.1 ID x 152 cm)
▸ Weighs 1.55 lb (0.70 kg)

8180-20-ORG — Heavy-Duty Prism Pole Tripod Bag

▸ Protect your prism or range pole from dirt and moisture
▸ Measures: 61.5 x 6 in (156.21 x 15.24 cm)
▸ Fits all SECO and Crain poles
▸ Weighs 0.68 lb (0.31 kg)

8160-00-ORG — Prism or Range Pole Protective Bag

▸ The heavy-duty material-covered tube holds one- or two-section poles or rods
▸ Measures: 65 inches (1.63 m) in length
▸ Use to protect and carry your pole or rod
▸ Weighs 5.50 lb (2.50 kg)

8160-20-BLK — Prism Pole Hard Shell Case

Assorted Rod Carrying Cases

Designed to keep your One Shot, DE rod, Range pole, LR-STD, LR-PRO and CR rod safe and clean

▸ This carrying case is made from the highest quality 1000-denier nylon
▸ Water-resistant
▸ Measures: 4.5 x 82 inches (11.4 x 208.3 cm)
▸ Weighs 0.45 lb (0.20 kg)

91402 — LR-STD/LR-PRO Carrying Case

▸ Fits 8 ft (2.4 m) rods
▸ Made from 1000-denier nylon
▸ Water-resistant
▸ Measures: 3.5 x 56.5 inches (8.9 x 143.5 cm)
▸ Weighs 0.30 lb (0.14 kg)

91410 — CR-8 ft/2.4m Carrying Case

▸ Fits 13 ft (4 m), 16 ft (5 m) and 20 ft (6 m) rods
▸ Made from 1000-denier nylon
▸ Water-resistant
▸ Measures: 4.25 x 65.5 inches (10.8 x 166.4 cm)
▸ Weighs 0.45 lb (0.20 kg)

91411 — CR-13/16/20 ft / SVR-16/25 Carrying Case

▸ Textured heavy-duty poly
▸ Measures 7.5 x 46 inches (19.05 x 116.84 cm)
▸ Weighs 0.48 lb (0.22 kg)

8170-00-ORG — Range Pole Case

BAGS AND CASES

Lath and Stake Bags

Designed to hold your lath and stakes secure

▶ Carries up to 50 lath or rebar
▶ Measures 9 x 38 inches (2.54 x 96.52 cm)
▶ Weighs 0.22 lb (0.10 kg)

8102-01-ORG — 38 inch Lath Carrier

▶ Carries up to 50 lath or rebar
▶ Measures 9 x 38 inches (2.54 x 96.52 cm)
▶ Weighs 0.22 lb (0.10 kg)

8102-00-ORG — Lath Carrier

▶ Heavy-duty lath carrier fits 36 or 48-inch lath features space inside for any standard 12 inch, five-gallon bucket
▶ Weighs 1.50 lb (0.68 kg) without bucket and approx. 3.85 lb (1.75 kg) with bucket added

8104-20-ORG — Heavy-Duty Bucket Lath Carrier

▶ Holds 36 or 48 inch (84 or 122 cm) wood lath
▶ Features a hand loop, shoulder strap, and outside pocket
▶ Weighs 0.80 lb (0.36 kg)

8100-00-ORG — 8 ID x 36 inches Lath Bag
8101-00-ORG — 8 ID x 48 inches Lath Bag

▶ Holds 24 inch (61 cm) wood lath
▶ Features a hand loop, shoulder strap, outside pocket
▶ 8 inch (20.3 cm) inside diameter
▶ Weighs 0.40 lb (0.18 kg)

8103-20-ORG — 24 in Heavy-Duty Rhinotek Lath Bag

▶ Use to carry 21 inch (53 cm) or 30 inch (76 cm) flags
▶ 8093-00-ORG weighs 0.22 lb (0.10 kg)
▶ 8094-00-ORG weighs 0.28 lb (0.13 kg)

8093-00-ORG — Wire Stake Flag Bag for 21 in Flags
8094-00-ORG — Wire Stake Flag Bag for 30 in Flags

▶ The main compartment of this bag is constructed of tough Rhinotek™ material and designed to hold 18 inch stakes or rebar
▶ Include hammer loop, adjustable strap and brass grommet drain holes — the 8091-20-ORG features a partition
▶ Standard bag weighs 1.55 lb (0.70 kg)
▶ Partitioned bag weighs 1.70 lb (0.77 kg)

8090-20-ORG — Heavy-Duty 18-inch Bag for Stakes or Rebar
8091-20-ORG — Heavy-Duty 18-inch Bag w/ Center Partition

▶ Heavy-Duty Lath Bag but with Rhinotek material on the bottom and six inches up the sides
▶ Designed in two sizes: 8 inches wide by 36 or 48 inches deep
▶ Both weigh approximately 1.50 lb (0.68 kg)

8100-20-ORG — 36 inch Heavy-Duty Lath or Rebar Bag
8101-20-ORG — 48 inch Heavy-Duty Lath or Rebar Bag

▶ This stake bag is the same as the 8090-20-ORG, but holds 24 inch stakes
▶ Features a Rhinotek bottom
▶ Standard bag weighs 1.70 lb (0.77 kg)
▶ Partitions bag weighs 1.60 lb (0.73 kg)

8092-20-ORG — Heavy-Duty 24-inch Bag for Stakes or Rebar
8096-20-ORG — Heavy-Duty 24-inch Bag w/ Center Partition

▶ Choose between a standard spray can holder or a holder with updated features like four pockets for pens/pencils and a heavy web strap
▶ Both weighs approximately. 1.00 lb (0.45 kg)

8098-00-ORG — Standard Spray Can Holder
8098-10-ORG — With Accessory Pockets (shown)

Front and Top Loading Total Station Cases

Heavy-duty cases for your Total Station

FEATURES & BENEFITS
▶ Features a Rhinotek™ bottom and durable backpack straps

*Measured between the pads

▶ Measures: 14 x 9 x 7 in (35.6 x 22.9 x 17.8 cm)*

APPLICATIONS
▶ Keeps your total station safe and secure during transport

Part No.
8120-00-ORG

PART NO.	LOADING SPACE	FEATURES	WEIGHS	
8120-00-ORG	Front Loading	Cloth Frame	5.75 lb (2.61 kg)	
8121-00-ORG	Top Loading	Cloth Frame	5.75 lb (2.61 kg)	
8123-00-ORG	Top Loading	Aluminum Frame	7.50 lb (3.40 kg)	

Total Station, GIS and GNSS Backpacks

Designed to keep your Total Station, GIS and GNSS equipment safe and secure

‣ This pack includes a cam-lock antenna pole, adjustable straps, several interior pockets, belt loop straps, rain flap and much more
‣ Interior dimensions: 15 x 9 x 4 in*
‣ Pole extends from 16.5 to 36.5 inches (41.91 to 92.71 cm)
‣ Has 5/8 x 11 tip on antenna pole
‣ Weighs 2.00 lb (0.91 kg)

*Measured between the pads

8125-50-ORG — Small GIS Backpack

‣ The Total Station Backpack is similar in style to a commercially available lightweight day pack
‣ Main compartment has an innovative 'wrap' made of 3/8-inch high-density foam with hook and loop adjustment that securely cradles all total stations
‣ Features extra pockets and Rhinotek™ bottom
‣ Weighs 2.40 lb (1.10 kg)

8120-30-ORG — 400 mm Total Station Backpack (shown)
8120-40-ORG — 500 mm Total Station Backpack

‣ Features a double-zipped, top-loading station compartment lined with rigid foam padding, two side pockets for cables, and one front battery pocket
‣ Comfortable padded belt with lumbar back support system, shoulder straps with all-point adjustment features, and a rubberized carrying handle
‣ The free-standing aluminum frame keeps the pack upright even when fully loaded
‣ Has a top rain flap with closure and rain flaps on the side pockets
‣ Features a Rhinotek bottom
‣ Interior dimensions: 17 x 10 x 10 in*
‣ Exterior dimensions: 24.5 x 15 x 16 in
‣ Weighs 8.00 lb (3.62 kg)
‣ Holds 40 lb (18.14 kg)

*Measured between the pads

8134-00-ORG — Robotics Backpack

‣ This pack, which includes cool mesh and foam back pad, offers a convenient and comfortable way to transport and manage GIS instrumentation
‣ Features include a built-in pocket for CamelBak® or other hydration systems and a protective rain flap round out this pack
‣ Also features adjustable internal pockets; padded, adjustable shoulder straps, and waist belt
‣ Constructed of heavy-duty, high-vis polyester
‣ Interior dimensions: 20 x 9.5 x 4 in
‣ Includes a 5/8 x 11 tip
‣ Buy T-Bar as option D10694-T
‣ Weighs 2.80 lb (1.27 kg)

8125-00-ORG — Large GIS Backpack with Antenna Bar (shown)
8125-11-ORG — Large GIS Backpack with Cam-Lock Antenna Pole

Prism and Tribrach Bags

Designed to keep prisms and tribrachs secure

‣ Heavily padded for single prisms
‣ Measures: 5 x 7 x 2 inches*
‣ Available in Orange
‣ Weighs 0.48 lb (0.22 kg)

*Measured between the pads

8070-00-ORG — Single Prism Bag

‣ For triple prisms and prism targets or tribrachs
‣ Measures: 10 x 9.5 x 3 inches*
‣ Available in Orange
‣ Weighs 1.06 lb (0.48 kg)

*Measured between the pads

8081-00-ORG — Jumbo Triple Prism Bag

‣ Heavily padded for triple prisms
‣ Available in Orange
‣ Measures (interior*) 9 x 7 x 2 inches
‣ Weighs 0.75 lb (0.34 kg)

*Measured between the pads

8080-00-ORG — Triple Prism Bag

‣ Easily holds a tribrach
‣ Measures: 6 x 6 x 2 inches*
‣ Available in Orange
‣ Weighs 0.40 lb (0.18 kg)

*Measured between the pads

8071-00-ORG — Tribrach Case

‣ Holds a tilting prism with tribrach and adapter
‣ Measures: 12 x 12 x 3 inches*
‣ Available in Orange
‣ Weighs 1.85 lb (0.84 kg)

*Measured between the pads

8082-00-ORG — Super Jumbo Padded Bag

‣ Designed for vertical triple prism assemblies
‣ Holds target with tribrach and adapter
‣ Measures: 15 x 8 x 2 inches*
‣ Available in Orange
‣ Weighs 1.45 lb (0.66 kg)

*Measured between the pads

8130-00-ORG — Tall Triple Prism Bag

ChrisNik MagNails, MagSpikes and MagHubs

"Pound it Harder. Find it Farther"

▸ Mag Nails have been coated with an environmentally friendly zinc and clear chromate to resist corrosion
▸ Stronger, more durable, higher quality, magnetic and longer lasting than other nails
▸ Mag Nails are larger and magnetic making them easier to locate using the naked eye or a locator
▸ Each box includes 100 Mag Nails

24750 — 3/4 x 1/8 inch - Weighs 0.50 lb (0.23 kg)
241000 — 1 x 5/32 inch - Weighs 1.00 lb (0.45 kg)
241250 — 1-1/4 x 3/16 inch - Weighs 1.16 lb (0.53 kg)
241500 — 1-1/2 x 1/4 inch - Weighs 2.75 lb (1.25 kg)
242000 — 2 x 1/4 inch - Weighs 3.42 lb (1.55 kg)
242500 — 2-1/2 x 1/4 inch - Weighs 4.00 lb (1.81 kg)

▸ Constructed of premium steel that produces the most durable survey marker in the industry
▸ Like the Mag Nail the Mag Spike is magnetized for easy detection
▸ Featuring a large center point and 1-inch (25.4 mm) diameter head makes it great for control points and property corners
▸ Made in the USA

253MAGSPIKE — 3/8 x 3 inch (25 per box)
254MAGSPIKE — 3/8 x 4-1/2 inch (25 per box)
256MAGSPIKE — 3/8 x 6 inch (20 per box)
258MAGSPIKE — 3/8 x 8 inch (20 per box)

▸ The Mag Hub is magnetized for easy detection and zinc plated to resist corrosion
▸ Featuring a large center point and looks like a standard survey marker
▸ Not made to be driven into asphalt or concrete
▸ Easy to carry and less expensive than stakes
▸ Mag Hubs come in a 30 lb (13.61 kg) box approximate quantities are below

23MAGHUB4 — 3/16 x 4 inch (Approx. 885)
23MAGHUB6 — 1/4 x 6 inch (Approx. 362)
23MAGHUB8 — 1/4 x 8 inch (Approx. 272)

Estwing Hand Tools

▸ Estwing's Camper's Axe is forged in one piece steel and features the exclusive nylon Shock Reduction Grip®
▸ Comes with an embossed leather sheath
▸ Cutting edge: 4 inches (102 mm)
▸ Overall length: 16 inches (406 mm)
▸ Weighs 2.90 lb (1.32 kg)

9070-00 — Camper's Axe with Sheath

▸ Estwing's Rigger's Axe is forged in one piece steel
▸ Features the exclusive Nylon Shock Reduction Grip
▸ Hammer head on one side and cutting edge on the other
▸ Cutting edge: 3.5 inches (89 mm)
▸ Overall length: 16.75 inches (426 mm)
▸ Weighs 3.00 lb (1.36 kg)

9070-01 — Rigger's Axe

▸ The 22 oz Long Handle Rock Pick features a bonded and molded Shock Reduction Grip which offers the utmost in both comfort and durability, while reducing vibrations caused by impact
▸ The head and handle are forged in one piece and have a fully polished head
▸ Overall length: 16.5 inches (419 mm)
▸ Weighs 22 oz (616 g)

9070-02 — Long Handle Rock Pick

▸ Estwing Rock Picks have bonded and molded Shock Reduction Grip which offers the utmost in both comfort and durability, while reducing vibrations caused by impact
▸ The head and handle are forged in one piece and have a fully polished head
▸ Overall length: 13 inches (330 mm)
▸ Weighs 22 oz (616 g)

9070-03 — Rock Pick

▸ Estwing Nylon Sheath for Pointed Tip and Chisel Edge Picks
▸ Weighs 0.20 lb (0.09 kg)

9070-04 — Nylon Pick Sheath

▸ Estwing's Solid Steel Framing Hammer has a long handle for more striking power
▸ The head and handle are fully polished and forged in one piece
▸ Our exclusive Shock Reduction Grip is molded on and offers the utmost in both comfort and durability, while reducing vibrations caused by impact
▸ Overall length: 16 inches (406 mm)
▸ Weighs 30 oz (840 g)

9070-05 — Milled Face Framing Hammer

▸ The Drilling Hammer has a bonded and molded Shock Reduction Grip which offers the utmost in both comfort and durability, while reducing vibrations caused by impact
▸ The head and handle are forged in one piece, both faces are fully polished
▸ Overall length: 11.5 inches (292 mm)
▸ Weighs 4.00 lb (1.80 kg)

9070-06 — Drilling Hammer

▸ The Estwing Rock Chisel features a vinyl grip for comfort and durability
▸ Overall length: 12 inches (305 mm)
▸ Cut Point: 0.625 inch
▸ Stock: 0.375 inch
▸ Weighs 0.97 lb (0.44 kg)

9070-07 — Rock Chisel

▸ The Engineer's Hammer has a bonded and molded Shock Reduction Grip which offers the utmost in both comfort and durability, while reducing vibrations caused by impact
▸ The head and handle are forged in one piece, and have an attractive blue UV coating, both faces are fully polished
▸ Overall Length: 16 inches (406 mm)
▸ Weighs 48 oz (1.34 kg)

9070-08 — Engineer's Hammer

seco

Stake Flags, Flagging Tape, Field Marking and Whiskers

▶ These biodegradable stake flags are made of a new superior formula
▶ Presco PVC marking flags resist breaking under high wind conditions and extreme cold
▶ Two flag sizes and three wire length options are available in regular or PresGlo colors
▶ 100 flags per bundle
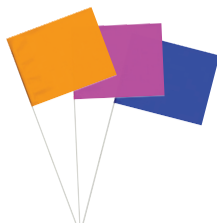
PART NO.	FLAG SIZE	WIRE	COLOR
9030-01	2 x 3 inch (51 x 76 mm)	21 inch (533 mm)	Orange Glo
9030-02	2 x 3 inch (51 x 76 mm)	21 inch (533 mm)	Pink Glo
9030-03	2 x 3 inch (51 x 76 mm)	21 inch (533 mm)	Yellow
9030-04	2 x 3 inch (51 x 76 mm)	21 inch (533 mm)	White
9031-01	2 x 3 inch (51 x 76 mm)	30 inch (762 m)	Orange Glo
9031-02	2 x 3 inch (51 x 76 mm)	30 inch (762 m)	Pink Glo
9031-03	2 x 3 inch (51 x 76 mm)	30 inch (762 m)	Yellow
9031-04	2 x 3 inch (51 x 76 mm)	30 inch (762 m)	White
9031-06	2 x 3 inch (51 x 76 mm)	30 inch (762 m)	Red
9035-01	4 x 5 inch (102 x 127 mm)	21 inch (533 mm)	Orange Glo
9035-02	4 x 5 inch (102 x 127 mm)	21 inch (533 mm)	Pink Glo
9035-03	4 x 5 inch (102 x 127 mm)	21 inch (533 mm)	Yellow
9035-04	4 x 5 inch (102 x 127 mm)	21 inch (533 mm)	White
9035-05	4 x 5 inch (102 x 127 mm)	21 inch (533 mm)	Blue
9035-06	4 x 5 inch (102 x 127 mm)	21 inch (533 mm)	Red
9035-07	4 x 5 inch (102 x 127 mm)	21 inch (533 mm)	Blue Glo
9035-08	4 x 5 inch (102 x 127 mm)	21 inch (533 mm)	Green
9035-09	4 x 5 inch (102 x 127 mm)	21 inch (533 mm)	Green Glo
9035-10	4 x 5 inch (102 x 127 mm)	21 inch (533 mm)	Lime Glo
9035-11	4 x 5 inch (102 x 127 mm)	21 inch (533 mm)	Orange
9035-12	4 x 5 inch (102 x 127 mm)	21 inch (533 mm)	Red Glo
9035-13	4 x 5 inch (102 x 127 mm)	21 inch (533 mm)	Yellow Glo
9036-01	4 x 5 inch (102 x 127 mm)	30 inch (762 m)	Orange Glo
9036-02	4 x 5 inch (102 x 127 mm)	30 inch (762 m)	Pink Glo
9036-03	4 x 5 inch (102 x 127 mm)	30 inch (762 m)	Yellow
9036-04	4 x 5 inch (102 x 127 mm)	30 inch (762 m)	White
9036-05	4 x 5 inch (102 x 127 mm)	30 inch (762 m)	Blue
9036-06	4 x 5 inch (102 x 127 mm)	30 inch (762 m)	Red
9036-07	4 x 5 inch (102 x 127 mm)	30 inch (762 m)	Blue Glo
9036-08	4 x 5 inch (102 x 127 mm)	30 inch (762 m)	Green
9036-09	4 x 5 inch (102 x 127 mm)	30 inch (762 m)	Green Glo
9036-10	4 x 5 inch (102 x 127 mm)	30 inch (762 m)	Lime Glo
9036-11	4 x 5 inch (102 x 127 mm)	30 inch (762 m)	Orange
9036-12	4 x 5 inch (102 x 127 mm)	30 inch (762 m)	Red Glo
9036-13	4 x 5 inch (102 x 127 mm)	30 inch (762 m)	Yellow Glo
9037-01	4 x 5 inch (102 x 127 mm)	36 inch (914 mm)	Orange Glo
9037-02	4 x 5 inch (102 x 127 mm)	36 inch (914 mm)	Pink Glo
9037-03	4 x 5 inch (102 x 127 mm)	36 inch (914 mm)	Yellow
9037-05	4 x 5 inch (102 x 127 mm)	36 inch (914 mm)	Blue
9037-06	4 x 5 inch (102 x 127 mm)	36 inch (914 mm)	Red

▶ Presco long-lasting outdoor flagging
▶ Roll Width: 1 inch (25.4 mm)
▶ 5 lb boxes of 12 rolls

PART NO.	COLOR	LENGTH
9040-01	Orange Glo	150 ft (45.7 m)
9040-02	Pink Glo	150 ft (45.7 m)
9040-03	Yellow	300 ft (91.4 m)
9040-04	White	300 ft (91.4 m)
9040-05	Blue	300 ft (91.4 m)
9040-06	Red	300 ft (91.4 m)
9040-07	Blue Glo	150 ft (45.7 m)
9040-08	Green	300 ft (91.4 m)
9040-09	Green Glo	150 ft (45.7 m)
9040-10	Lime Glo	150 ft (45.7 m)
9040-11	Orange	300 ft (91.4 m)
9040-12	Red Glo	150 ft (45.7 m)
9040-13	Yellow Glo	150 ft (45.7 m)
9040-14	Black	300 ft (91.4 m)
9040-15	Pink	300 ft (91.4 m)
9040-16	Purple	300 ft (91.4 m)

▶ Permanent marker are leak-proof with a seamless metal body
▶ Chisel tip marks are extremely durable on wood, metal, and more
▶ AP certified non-toxic
▶ Box of 12 weighs 3.75 lb (1.70 kg)

9060-06 — Dixon Redimark Marker - Red
9060-14 — Dixon Redimark Marker - Black

▶ The steel Presco Roll Flagging Belt Dispenser is a convenient time-saver
▶ Weighs 1.30 lb (0.59 kg)

9040-20

8025-00-ORG

9040-20 — Flagging Tape Dispenser
8025-00-ORG — Padded Flagging Dispenser

▶ Presco 6-inch Marking Whiskers™ are an alternative marking choice for survey and construction sites, underground utility locating and many other uses
▶ Use with a 60-Penny nail or a wood stake
▶ Whiskers come in a bundle of 25 each

PART NO.	COLOR	WEIGHS
9050-01	Orange Glo	0.30 lb (0.14 kg)
9050-02	Pink Glo	0.30 lb (0.14 kg)
9050-03	Yellow	0.30 lb (0.14 kg)
9050-04	White	0.30 lb (0.14 kg)
9050-05	Blue	0.30 lb (0.14 kg)
9050-06	Red	0.30 lb (0.14 kg)
9050-08	Green	0.30 lb (0.14 kg)
9050-11	Orange	0.30 lb (0.14 kg)

▶ For aerial mapping and surveying jobs requiring a perimeter for photos
▶ Rolls are white in color

PART NO.	SIZE	WEIGHS
9045-01	300 ft x 12 in	4.90 lb (2.22 kg)
9045-02	300 ft x 18 in	7.36 lb (3.34 kg)
9045-03	300 ft x 24 in	7.70 lb (3.49 kg)
9045-04	300 ft x 36 in	14.00 lb (6.35 kg)

▶ Dixon® Lumber Crayons are great for marking steel, concrete, stone, lumber, etc.
▶ Box of 12 weighs 3.00 lb (1.36 kg)

9061-02 — Crayons - Flo Pink
9061-03 — Crayons - Yellow
9061-04 — Crayons - White
9061-05 — Crayons - Blue
9061-06 — Crayons - Red
9061-14 — Crayons - Black

▶ Holds a crayon or marker up to 0.5-in in diameter
▶ Holds round or hexagonal shapes
▶ Has a metal chuck and a wrist strap hole for increased durability and functionality
▶ Weighs 0.50 lb (0.23 kg)

9062-00 — Dixon Wood Crayon Holder

Field Marking and Miscellaneous Accessories

▶ Choose between a 17.5 inch blade and a 13 inch blade for clearing that thick underbrush on the job site
▶ Weighs approx. 1.00 lb (0.45 kg)

9500-17 — 17.5 inch blade, includes sheath
9500-13 — 13 inch blade, includes sheath

▶ 9500-01 for knife and scissor sharpening
▶ 9500-02 for Axes or other edged tool sharpening
▶ 9500-01 weighs 0.05 lb (0.02 kg)
▶ 9500-02 weighs 0.20 lb (0.09 kg)

9500-01 — For knives and scissors
9500-02 — For hand tools

▶ Shot bags are great for holding down maps or blueprints in windy conditions
▶ Weighs 1.50 lb (0.68 kg)

8010-00 — Vinyl Shot Bag
8010-10-BLU — Cordura Shot Bag

▶ Lightweight aluminum center punches are great for marking a variety of materials or punching starter holes for nails or drill bits
▶ Durable removable-tip scribers are perfect for making quick and accurate marks on hard work pieces
▶ The scriber features a durable tungsten carbide point that is able to make precise marks to 1/100th of an inch
▶ The magnetic cap quickly cleans up stray metal shavings

9068-02 — Heavy-Duty Center Punch
9068-03 — Carbide Scriber

▶ Replacement caps and points fit all SECO plumb bobs

6000-001 — Plumb Bob Cap
6000-002 — Plumb Bob Point

▶ Pin cushion for holding stake tacks

2180-00 — Regular Tac Ball
2180-01 — Tac Ball with Clip

▶ Use the paper targets with a #50 survey nail or stick the target to just about anything
▶ Measures 2 x 3.5 inches
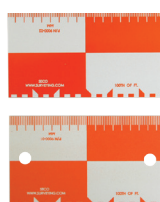
9000-01 — Paper Targets with holes, 100 count
9000-02 — Paper Targets (sticky back), 25 count

▶ The 3/16 inch spring steel, 14 inch pins are powder-painted red and white, alternating at each inch
▶ Quiver (8041-00-ORG) sold separately
▶ Weighs 1.54 lb (0.70 kg)
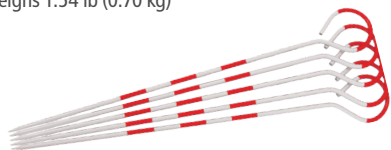
2183-00 — Marking Pins 11 count

▶ Ideal-Mark® permanent marking pens are legendary for their performance and are an excellent value
▶ Features include a leak-proof aluminum valve, pocket clip and color-coded cap
▶ 12 count each

9063-06 — Ideal-Mark Valve Action Markers - Red
9063-14 — Ideal-Mark Valve Action Markers - Black
9064-01 — Replacement Bullet Tip
9064-02 — Replacement Chisel Tip

▶ Each solid brass bob features a hardened steel point and a storage area for a spare point
▶ Available weights: 12 oz (340 g), 14 oz (397 g), 16 oz (454 g), 18 oz (510 g), 24 oz (680 g), 32 oz (907 g)

6000-Series — Plumb Bobs

▶ Heavy-duty sheath is double stitched top grain leather with a belt loop for SECO plumb bobs

6000-120 — Leather Sheath for 10-12 oz (283-340 g)
6000-160 — Leather Sheath for 14-18 oz (397-454 g)
6000-240 — Leather Sheath for 24-32 oz (510-907 g)

▶ 10 lb of Shiners with bag included
▶ 2181-10 - approximate qty: 1,125
▶ 2182-10 - approximate qty: 1,300
▶ Weighs 10.00 lb (4.53 kg)

2181-10 — Bulk Shiners - Flat
2182-10 — Bulk Shiners - Raised

▶ Raised Shiners are 1.94 in (49.3 mm) OD
▶ Features a raised 29 mm center
▶ Weighs 1.00 lb (0.45 kg)

2182-00 — Raised Shiners, 260 count

▶ Flat shiners are 2.25 in (57.2 mm) OD
▶ Featuring punched centers with crimped edges
▶ Weighs 2.60 lb (1.18 kg)

2181-00 — Flat Shiners, 250 count

▶ The Gammon Reel® is almost a given on any job site
▶ The 24 yard (22 m) refillable cord comes in many colors

6001-06 — Gammon Reel 7 ft (2 m)
6001-12 — Gammon Reel 12 ft (3.7 m)

▶ 24 yard (22 m) bobbin of Gammon Reel refill cord
▶ Available in flo red, flo yellow and orange
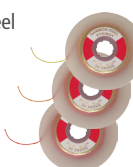
6001-FR — Gammon Reel Refill - Flo Red
6001-FY — Gammon Reel Refill - Flo Yellow
6001-OR — Gammon Reel Refill - Orange

Rite in the Rain

▶ Rite in the Rain bound books ensure that your valuable data won't be lost
▶ These all-weather books have 160 pages (80 sheets), including a title and contents page
▶ This 4-¾ x 7-½ inch yellow field book also features a sewn binding
▶ Weighs 0.65 lb (0.29 kg)

Transit Pattern 8 vertical lines to the inch

9090-00 sb 300f
9091-00 sb 310F

9090-00 — Transit Pattern Bound Books
9091-00 — Level Pattern Bound Books

▶ Rite in the Rain Field Ring Binders are extremely durable
▶ Made with Polydura and rust resistant metals
▶ Designed to [...] loose leaf sheets ([...] see details b[...]
▶ Weighs 0.30 [...]

9092-00 sb 200
9092-01 sb 302
9092-02 sb 312

9092-00 — Field Ring Binder
9092-01 — Transit Pattern Loose Leaf Sheets (100 Sheets)
9092-02 — Level Pattern Loose Leaf Sheets (100 Sheet)

▶ Overall Size: 4.625 x 7 inches (11.75 x 17.78 cm)
▶ Cover Material: field flex
▶ Cover Color: yellow
▶ Binding: side stapled
▶ Paper Color: white
▶ Number of Pages: 48 (numbered)
▶ Number of Sheets: 24
▶ Patterns: Field, Level, or Transit
▶ Sold in Packs of 3
▶ Weighs 0.56 lb (0.25 kg) (3-pack)

351FX — Side-stapled Notebook for Tough Conditions
311FX — Side-stapled Notebook for Tough Conditions
301FX — Side-stapled Notebook for Tough Conditions

▶ Page Size: 4.625 x 7-inch (11.75 x 17.78 cm)
▶ Fits Yellow Binder (Part No. 200)
▶ Paper Color: white
▶ Pattern: Field
▶ Sold in Packs of 100 sheets
▶ Weighs 0.55 lb (0.25 kg)
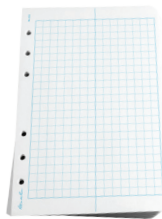
352 — Standard Loose Leaf Sheets

▶ Overall Size: 4.75 x 7.5 inches (12.07 x 19.05 cm)
▶ Super Tough Cover Material: fabrikoid
▶ Cover Color: Yellow
▶ Binding: sewn bound
▶ Paper Color: white
▶ Number of Pages: 160
▶ Weighs 0.65 lb (0.29 kg)

350F — Sewn-bound book surviving any weather conditions

▶ Overall Size: 4.625 x 7 inches (11.75 x 17.78 cm)
▶ Soft Cover Material: Polydura (recycled material)
▶ Cover Color: yellow
▶ Binding: side-spiral
▶ Paper Color: white
▶ Number of Pages: 64 (32 sheets)
▶ Patterns: Field, Level, or Transit
▶ Weighs 0.20 lb (0.09 kg)

303 — Recyclable Side-spiral Notebook
313 — Recyclable Side-spiral Notebook
353 — Recyclable Side-spiral Notebook

▶ Overall Size: 5.25 inches (13.34 cm)
▶ Writes on wet paper and upside-down
▶ Works from -30F to 250F (pressurized cartridge)
▶ Plastic Barrel: chrome/black
▶ Ink Color: Black
▶ Refills: 37R, see below (fits any All-Weather pen)
▶ Weighs 0.04 lb (0.02 kg)

37 — All-Weather Clicker Pen with Black Ink

▶ Overall Size: 5.75 inches (14.61 cm)
▶ Included Refills: 7 (1.1 mm/HB No. 2) leads and 2 extra erasers
▶ Fits comfortably in the hand
▶ Tip expands so lead will not break, wobble, twist or fall out in the field
▶ Keeps you writing in any conditions
▶ Strong Resin Barrel
▶ Additional refills available, see below
▶ Weighs 0.05 lb (0.02 kg)

YE99 — All-Weather Yellow Mechanical Pencil

▶ 135 Overall Size: 3 x 5 inches (7.62 x 12.7 cm)
▶ 146 Overall Size: 4 x 6 inches (10.16 x 15.24 cm)
▶ Soft Cover Material: Polydura (recycled material)
▶ Cover Color: Yellow
▶ Binding: Top spiral
▶ Paper Color: white
▶ Number of Pages: 100 (50 sheets)
▶ Pattern: Universal
▶ Part No. 135 weighs 0.13 lb (0.06 kg)
▶ Part No. 146 weighs 0.20 lb (0.09 kg)

135

146

135 — Pocket Top-Spiral Book Perfect for any Situation
146 — Pocket Top-Spiral Book Perfect for any Situation

▶ Overall Size: 3.5 inches (8.89 cm)
▶ Fits in any All-Weather Pen
▶ Ink Color: Black
▶ Weighs 0.02 lb (0.01 kg)

37R — All-Weather Black Ink Pen Refill

▶ Fits any All Weather Mechanical Pencil
▶ Sold in Packs of 3
▶ Weighs 0.02 lb (0.01 kg)

99ER — Handy Eraser Refill

▶ Fits any All-Weather Mechanical Pencil
▶ Package includes: 12 (1.1 mm) HB (No.2) Leads
▶ Weighs 0.01 lb (0.005 kg)

99BR — Black Lead Refills

COLOR KEY: Section 1 ■ Section 2 ■ Section 3 ■ Section 4 ■ Section 5 ■ Section 6 ■ Section 7 ■ Section 8 ■

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1 510 011	35		3006-XX	50		5420-XX-XXX	43	
4 410 000	35		4040-XX	53		5500-XX	19,22	
4 410 001	35		4050-XX	53		5500-XXX-XX	15	
4 410 002	35		4200-XX	53		5501-XX	20	
4 520 120	35		4300-XX	53		5507-XX	21	
4 520 121	35		4769-XX	49		5512-XX	22	
4 520 122	35		4770-XX	50		5512-XX-XXX	19	
4 520 800	35		4811-XX	54-55		5520-XX	22	
4 610 000	35		4811-XXXX	54		5527-XX	21	
5 113 000	35		4852-XX	56,60		5527-XX-XX	22	
5 114 200	35		4900-XX	25		5530-XX	24	
5 114 270	35		5010-XX	19		5531-XX	24	
5 114 350	35		5010-XX-XXX	19		5540-XX	23	
5 115 150	35		5070-XXX-XX	15		5541-XX	23	
5 115 200	35		5079-XXX	21		5561-XX	12	
5 115 270	35		5081-XXX-XX	15		5600-XX	23	
5 115 350	35		5110-XX-XXX	26		5610-XX	40	
5 263 000	35		5111-XX	12		5631-XX	24	
5 263 001	35		5113-XXX	12		5700-XX	19,22	
5 263 002	35		5114-XXX	7,12,14		5711-XX	20	
5 312 001	35		5119-XX-XXX	6		5720-XX	22	
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146	75		5120-XXX-XXX	19		5801-XXX-XX	15,23	
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23MAGHUB6	72		5126	12		5813-XX	23	
23MAGHUB8	72		5128-XX	11-12		5821-XX	23	
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256MAGSPIKE	72		5130-XX-XXX	26		5910-XX	33	
258MAGSPIKE	72		5131-XX-XXX	26		5910-XX-XX	33	
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2131-XX	25		5181-XX	25		6411-XX	34	
2132-XX	40		5182-XX	26		6411-XX-XXX	34	
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2159-XX-XXX	39		5192-XX	25		6455-XX	19,31	
2159-XXX	39		5193-XX	25		6600-XX	33-34	
2180-XX	74		5194-XX	25		6601-XX	34	
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242000	72		5200-XXX	8-10		6704-XXX	16	
242500	72		5214-XX	18,27		7301-XX	45-46	
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37R	75		5217-XX	27		7310-XX	45	
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311FX	75		5219-XX	27		7341-XX	46	
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COLOR KEY: Section 1 ■   Section 2 ■   Section 3 ■   Section 4 ■   Section 5 ■   Section 6 ■   Section 7 ■   Section 8 ■

PART NUMBER	PAGE	COLOR	PART NUMBER	PAGE	COLOR	PART NUMBER	PAGE	COLOR
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8067-XX-XXX	66	■	90004	48	■	99023	52	■
8068-XX-XXX	65	■	90009	48	■	99043	52	■
8069-XX-XXX	64	■	90014	48	■	99051	52	■
8070-XX-XXX	71	■	90022	48	■	99052	52	■
8071-XX-XXX	71	■	90024	48	■	99053	52	■
8076-XX-XXX	66	■	90026	48	■	99060	53	■
8080-XX-XXX	71	■	9003X	7	■	99061	53	■
8080-XX-XXX	71	■	90180	51	■	99062	53	■
8081-XX-XXX	71	■	90181	51	■	99063	53	■
8082-XX-XXX	17,71	■■	90182	51	■	99064	53	■
8090-XX-XXX	70	■	90520	59	■	99065	53	■
8091-XX-XXX	70	■	90550	41	■	99066	53	■
8092-XX-XXX	70	■	90550-X	43	■	99067	53	■
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8096-XX-XXX	70	■	90555	40	■	99070	53	■
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8134-XX-XXX	71	■	91275	45	■	AL24M-X	55	■
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8153-XX-XXX	41,68	■■	91535	45	■	ATI010983	59	■
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8157-XX-XXX	69	■	91605	25	■	ATI991320-XX	58	■
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