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(SO) indicates special order items.
Reflective Sheet Targets
Easy-to-use reflective targets supplied on adhesive-backed sheets; can be directly affixed to measuring points. RS**T 0.3mm thin, self-adhesive sheets that adhere to almost any surface. RS**N has normal (0.5mm) reticle lines. For alternative needs, rotary targets and a 2-point target are also available.

210210046 RT50M Magnetic Target
634412 RT90M Rotary Target (SO)
210210045 RT50G10 Rotary Target (SO)
210210049 RT90G10 Rotary Target (SO)
210210004 RS00 Target 230 x 230mm (1 each) (SO)
210210005 RS05T Targets 5 x 5mm (400 each) (SO)
210210006 RS10N Targets 10 x 10mm (400 each)
210210009 RS10T Targets 10 x 10mm (400 each)
210210010 RS15N Targets 15 x 15mm (196 each) (SO)
210210013 RS15T Targets 15 x 15mm (196 each) (SO)
210210018 RS20N Targets 20 x 20mm (100 each)
210210019 RS20T Targets 20 x 20mm (100 each) (SO)
210210026 RS30N Targets 30 x 30mm (49 each)
210210029 RS30T Targets 30 x 30mm (49 each) (SO)
210210035 RS50N Targets 50 x 50mm (16 each)
210210037 RS70N Targets 70 x 70mm (9 each)
210210041 RS90N Targets 90 x 90mm (4 each)
210210040 RS90N-K Targets 90 x 90mm (4 each) (SO)
210210002 RC50 Reflective Target 73 x 73mm (SO)
210210187 2RT500 Reflective Target Set
210160218 RTSO S-K Pin-Pole Reflective Target

Detachable Rotary Target
The RT90C can be mounted on a tripod with the AP41 adapter or mounted directly to prism pole.

210160170 RT90C 360° Rotating Sheet Target
### Advanced Prism Systems (AP Series) 40mm

- **726132** AP11A Single Tilting Assembly Single tilting mount with AP01 -40mm prism (SO)
- **726131** AP32A Triple Tilting Assembly Triple tilting mount with 3 each AP01 -40mm prisms (SO)
- **726135** AP01 Prism -40mm in polycarbonate can high-precision, coated
- **210160005** AP11 Single Tilting Mount Bayonet base, holds AP01 -40m prism (SO)
- **210160013** AP32 Triple Tilting Mount Bayonet base with center hold for single prism (SO)
- **210160006** AP11T Single Target attaches to AP11 single mount, non-tilting target (SO)
- **210160003** AP01S 10mm adapter ring converts -40mm prism to 30mm P.C. (SO)
- **210160009** AP30P Sighting Pole (candy cane) attaches to top of AP11, AP32 or SP11 mount

### Standard Prism Systems (SP Series) 0/30mm

- **726648** SP12A Single Tilting Assembly with Target Assembly, single tilting mount, 0/-30mm with SP01 prism and poly target
- **210160260** KP01 Prism -30mm, standard prism in polycarbonate can
- **210160203** SP12 Single Tilting Mount with poly target, bayonet base, single mount with target, 0/-30mm, for SP01 prism

### Standard Prism Systems

- **726668** Single Prism 0/30mm Target with Mount
- **726669** 62mm Prism System with Metal Canister
**Prisms**

62mm Prism Plastic Canisters are available in two styles and colors:

- **724801**  Prism 62mm Silver Coated Water Sealed
- **724802**  Economy Prism 62mm Silver Coated
- **724813**  Economy Prism 62mm Copper Coated

Prism mounts are made of all metal with a locking screw for tilting the prism.

- **724803**  Single Tilting Mount Transit Base
- **724806**  Tilting Prism Assembly

**Rear Locking Standard Prism Systems**

This prism assembly allows the user to quickly adjust the tilting target from behind the prism as it is pointing at the instrument to allow accurate sighting. The targets are 6 in. x 9 in. and available in either fluorescent orange or yellow. The prism can be either mounted in a 0 or -30mm offset position. All come with a protective carry case for the target or complete system.

- **724809**  Tilting Prism Mount with 6 in. x 9 in. Target Florescent Orange
- **724810**  Tilting Prism Mount with 6 in. x 9 in. Target Florescent Yellow

These complete prism systems come with a 62mm copper-coated prism in a sealed canister.

- **724811**  Tilting Prism Assembly with 6 in. x 9 in. Target Florescent Orange
- **724812**  Tilting Prism Assembly with 6 in. x 9 in. Target Florescent Yellow

**Rear Locking Economy Prism Systems**

This prism assembly allows the user to quickly adjust the tilting target from behind the prism as it is pointing to the instrument to allow accurate sighting. The targets are 5½ in. x 7 in. and are available in either fluorescent orange or yellow. The prism can be either mounted in a 0 or -30mm offset position. All come with a protective carry case for the complete target or system.

- **724804**  Economy Single Tilting Prism Mount with 5½ in. x 7 in. Target Florescent Orange
- **724805**  Economy Single Tilting Prism Mount with 5½ in. x 7 in. Target Florescent Yellow

The complete prism systems come with a 62mm silver-coated prism in a sealed canister. Both come in a protective carry case.

- **724807**  Economy Tilting Prism Assembly with 5½ in. x 7 in. Target Florescent Orange
- **724808**  Economy Tilting Prism Assembly with 5½ in. x 7 in. Target Florescent Yellow
Strobe Prism Assembly
62mm Strobe Prism Assembly with a 5½ in. x 7 in. or 6 in. x 9 in. fluorescent orange target. The prism can be either mounted in a 0 or -30mm offset position. It works perfectly in low light conditions and all the electronics are housed in the prism canister. The battery is a Sanyo CR-1/3N; good for over 20 hours of use. Comes with a protective carry case for the target or complete system.

724100  Strobe Prism Assembly with 5½ in. x 7 in. Target
724101  Strobe Prism Assembly with 6 in. x 9 in. Target

P2A Series 25.4mm Mini Prism Assembly
• This prism is precision ground to 5 arc second accuracy.
• All metal high quality construction.
• Prism is silver coated with a hard epoxy overcoat to protect against moisture and severe climatic conditions.
• 40 minute vial bubble level side-mounted.
• The prism can be either mounted in a 0 or -30mm offset position.
• High quality laser engraved manufactured from aircraft grade 6061-T6 billet aluminum.
• All parts are anodized for long lasting durability.
• Brass Pointed Ears works are vertical line target arrows.
• This kit includes Prism Assembly, Mini Plumb Line Bracket, Mini Plumb Bob, and Durable Carrying Case.

726862  P2A Peanut Prism Assembly

Mini Prisms Systems
This system contains a copper coated 25mm prism, a tilting holder that has either a side-mounted or center vial. The prism can be either mounted in a 0 or -30mm offset position. Kit comes with two adapters, plumb bob holder and padded carrying case with a beltloop.

724861  Mini Prism System with Non-Adjustable Center vial
724862  Mini Prism System with Non-Adjustable Side Vial

Pin Pole with Sliding 25mm Prism System
This system includes a 25mm silver coated prism, three 60cm length pole sections – in red and white 10cm stripes (total length is 1.8m/5.9 ft.). The prism can be mounted in a 0mm offset position. This kit also comes with a padded carrying case and a plumb bob hook, and cap for prism to use as an offset prism by itself.

724870  Mini Prism System Kit with Pin Pole

Monitoring Prism
724814  90º L-Bar Monitoring Prism
Compression/Collet Lock Prism Poles
The Sokkia Compression Lock prism pole offers a secure locking system with a polished aluminum pole with a brass lock. The pole is red and white offered in three sizes with an adjustable tip and dual graduations. Also included with each pole is a carrying case.

- 724206  8.5 ft. Compression Lock Prism Pole – Adjustable Tip (Dual Graduations)
- 724207  12 ft. Compression Lock Prism Pole – Adjustable Tip (Dual Graduations)
- 724208  15 ft. Compression Lock Prism Pole – Adjustable Tip (Dual Graduations)

Sokkia Knob-Lock Prism Poles
The Sokkia knob-lock prism pole is easy to tighten and release with its large adjustable knob. The pole is red and white offered in three sizes with an adjustable tip and dual graduations. Also included with each pole is a carrying case.

- 724200  8.5 ft. Knob Lock Prism Pole – Adjustable Tip (Dual Graduations)
- 724201  12 ft. Knob Lock Prism Pole – Adjustable Tip (Dual Graduations)
- 724202  15 ft. Knob Lock Prism Pole – Adjustable Tip (Dual Graduations)

Sokkia Quick-Release Prism Poles
The Sokkia Quick-Release handle lock prism pole allows for quick adjustments to prism heights. The pole is red and white offered in three sizes with an adjustable tip and dual graduations. Also included with each pole is a carrying case.

- 724203  8.5 ft. Quick Release Lever Lock Prism Pole – Adjustable Tip (Dual Graduations)
- 724204  12 ft. Quick Release Lever Lock Prism Pole – Adjustable Tip (Dual Graduations)
- 724205  15 ft. Quick Release Lever Lock Prism Pole – Adjustable Tip (Dual Graduations)
**Sokkia Economy Series**
Sokkia Economy Series bipod assembly is designed for quick setup and field durability. These models are come with a carrying case to protect them. The bipods also have a bipod leg clip included as well.

- 724897  Economy Prism Pole Bipod Red
- 724898  Economy Mini Prism Pole Bipod Red

**Prism Pole Accessories**
- 808850  Replacement Point (Prism Pole, Bipod & Range Pole)
- 808851  Topographic Shoe Regular
- 808852  Topographic Shoe Wide Base
- 808853  ⅝ x 11 Adjustable Precise Tip - Fine

**Mini Stake-Out Poles**
Available in Economy or Pro-Series
It measures 1.29 ft. (15 in.) with point (1 ft. rod section)

- 724242  Economy Mini Stake-Out Pole Red with Carrying Bag
- 808042  Mini Stake-Out Pole Red (no carrying case)
- 808043  5.1 ft. / 2.7m Pro Series Aluminum Knob Lock Mini Pole

**Data Collector Brackets**
**Pro Series Crush Proof 1.25 in. Pole Claw Clamp with Pro Series Cradle**
- This is a crush proof style pole clamp and cradle with a push button quick release.
- 1.25 in. pole clamp capacity.
- 20 different angles snap-in adjustment with 2 hardened stainless steel lock pins.
- Anti-slip diamond knurled lock knobs.
- Constructed of aircraft grade 6061-T6 billet aluminum.
- Black anodize finish with high tech laser engraving.
- Made in USA.

- 808152  Claw Clamp & Cradle for Allegro/Explorer
- 808153  Claw Clamp & Cradle for Archer/Mini
- 808154  Claw Clamp & Cradle for SHC25/25A
- 808155  Claw Clamp & Cradle for SHC2500/FC-2500
- 808156  Claw Clamp & Cradle for SHC250/FC-250
- 808158  Claw Clamp & Cradle for SHC236
- 808160  Pole Clamp, Quick Release with Vial & Compass
- 808161  Pole Clamp, Quick Release Plain
- 808162  Cradle, Quick Release for SHC2500/FC-2500
- 808163  Cradle, Quick Release for Ranger & TSC2
- 808164  Cradle, Quick Release for Allegro/Explorer
- 808165  Cradle, Quick Release for SHC250/FC-250
- 808166  Cradle, Quick Release for FC-200
- 808167  Cradle, Quick Release for Nomad
- 808168  Cradle, Quick Release for SHC236
- 808169  Cradle, Quick Release for STSC3 & Ranger 3
- 1000183-01  4 Screw Pole Mount Bracket for Mesa
**Pro Series Lever Lock Prism Poles**
- User friendly lever lock mechanism.
- One hand operation.
- Precision CNC marked graduations won't fade or rub off.
- Heavy duty aluminum construction with electrostatic epoxy powder coat finish.
- 40 minute top-adjust vial bubble level.
- Fine threaded precise tip allows for precision height adjustment.
- Stainless steel tip points, ultra light weight corrosion resistant hybrid design.
- Available in red/white bands.
- Super lightweight.

727066 8.5 ft. Pro Series Aluminum Lever Lock Prism Pole, Dual Graduations

**Pro Series Knob Lock Prism Poles**
- User friendly knob lock mechanism.
- One hand operation.
- Slip resistant molded rubber knob.
- Precision CNC marked graduations won't fade or rub off.
- Heavy duty aluminum construction with electrostatic epoxy powder coat finish.
- 40 minute top-adjust vial bubble level.
- Fine threaded precise tip allows for precision height adjustment.
- Stainless steel tip points, ultra light weight corrosion resistant hybrid design.
- Available in red/white bands.
- Super lightweight.

808200 8.5 ft. Pro Series Aluminum Knob Lock Prism Pole, Dual Graduations
808201 12 ft. Pro Series Aluminum Knob Lock Prism Pole, Dual Graduations
808202 15 ft. Pro Series Aluminum Knob Lock Prism Pole, Dual Graduations
808204 3.6m Pro Series Aluminum Knob Lock Prism Pole, Metric

**Pro Series Bipods & Tripod**
- Original quick snap bipod & tripod assembly with dual push button thumb release for rapid level adjustment.
- Quick Closure Pole Lock Mechanism allows fast attachments.
- Accepts pole diameters of 0.75 to 1.5 in. [19 - 38mm].
- Quickly and effortlessly convert to a tripod by adding an optional 3rd leg.
- Simple few additional twist of lock knob to secure pole to bipod.
- Wide stance pivot tang to improve stability by distributing center of mass.
- All metal CNC construction.
- Stainless steel lightweight points included.
- Manufactured from aircraft grade 6061-T6 billet anodized aluminum, stainless steel and brass.

808896 Pro Series Prism Pole Thumb Release Tripod – Red
808897 Pro Series Prism Pole Thumb Release Bipod – Red
808898 Pro Series Mini Prism Pole Thumb Release Bipod – Red
808895 Additional Leg for Pro Series Bipod
Robotic Poles
Robotic Prism Poles for RC-PR3/4 and adapters for making an RC-PR3 pole adapt to the RC-PR4. Poles with the description RC-PR4 also work with the newest RC-PR5 receiver used with the Sokkia SX. The 727069 has a D-shape pole to keep it from twisting and always aligned for use with the RC unit. 72071 is the standard Robotic Prism Pole sold with the RC-PR5/SX system.

- 727069  8.5 ft. Aluminum Prism Pole for RC-PR3 (Dual Grads - Feet / Tenths & Metric)
- 727070  12 ft. Aluminum Prism Pole for RC-PR3 (Dual Grads - Feet / Tenths & Metric) (SO)
- 727071  8 ft. Aluminum Lever Lock Prism Pole for RC-PR4, Feet
- 727074  8 ft. Carbon Fiber Lever Lock Prism Pole for RC-PR4, Feet
- 727075  8.5 ft. Carbon Fiber Lever Lock Prism Pole for RC-PR4, Meters

GPS Poles

- 808015  2.5m GPS Adjustable Rover Pole, Knob Lock – Dual Graduations
- 808016  2m GRX1/GRX2 Rover Pole, Carbon Fiber, 2 section
- 808017  Snap Lock GPS Pole, Carbon Fiber
- 808018  2m Snap Lock GPS Rover Rod
- 808019  2m Snap Lock GPS Rover Rod, Aluminum
- 808090  2m GPS Anti-Crush Aluminum Rover Rod, 2 Section - Sokkia Green
- 724290  2m Economy GPS Aluminum Rover Rod, 2 Section - Sokkia Green with carrying case
- 724291  2m Economy GPS Carbon Fiber Rover Rod, 2 Section with carrying case

GPS Pole Accessories

- 808047  GPS Quick Release Assembly (top and bottom)
- 808048  GPS Quick Release Top (antenna mount)
- 808049  GPS Quick Release Bottom (pole mount)

Heavy-Duty Range Poles
Alternating 12 in. color sections, orange and white.

- 808849  4 ft. Range Pole Section
- 808848  8 ft. Range Pole 2 Sections with Point
- 808847  12 ft. Range Pole 3 Sections with Point

Pole Peg Adjusting Jig
This simple bracket allows you to adjust and calibrate pole vials in your office. The adjusting jig features a simple L-bracket to set the pole point into and a knob adjusting top to center the pole vial prior to adjusting the bubble.

- 724301  Pole Peg Adjusting Jig
**Sokkia SK Level Rods**
- Unique patented oval shape permits equal size graduations full-length, prevents rod from rolling and is easier to hold.
- Numerals and graduations are epoxy-protected for maximum wear-resistance and sized for maximum readability.
- Sections cushioned with glides to prevent wear.
- Linear accuracy exceeds 1 in 4,000.
- Made from strong, corrosion-proof fiberglass that is lightweight and won’t warp or swell.
- Rods have height measuring gauge on back side except for 807368 or 807349.
- Female threaded hole (¾ x 11 in.) on top for mini-prism.

807344 18 ft. SK Rod, 5 sections, ft./10ths
807338 25 ft. SK Rod, 7 sections, ft./in.
807348 25 ft. SK Rod, 7 sections, ft./10ths
807368 25 ft./7m in length, 7 sections, meters/decimeters/½ centimeters & ft./10ths/100ths
807349 32 ft. in length, 9 sections, ft./10ths/100ths with attached footplate

**Nedo® Fiberglass Levelling Rods**
- Extremely robust design with Anti-Jam® buttons made of brass ensure a long life.
- High precision scale on front and back.
- Scale on back allowing for overall height readings.
- Ergonomically designed shape for a better grip.
- Non-conductive under dry conditions.
- Laser receiver brackets are easily attached.
- Free carrying bag and snap-on rod level included.
- Quality “Made in Germany”.
- Rectangular.

809109 3m Fiberglass Leveling Rod, 3 sections, m/cm/5mm
809102 13 ft. Fiberglass Leveling Rod, 3 sections, ft/10/100
809106 13 ft. Fiberglass Leveling Rod, 3 sections, ft/in/8th
809110 4m Fiberglass Leveling Rod, 3 sections, m/cm/5mm
809103 16 ft. Fiberglass Leveling Rod, 3 sections, ft/10/100
809107 16 ft. Fiberglass Leveling Rod, 3 sections, ft/in/8th
809111 5m Fiberglass Leveling Rod, 3 sections, m/cm/5mm
809104 25 ft. Fiberglass Leveling Rod, 3 sections, ft/10/100
809112 7.6m Fiberglass Leveling Rod, 3 sections, m/cm/5mm

**SDL Digital Level Rods**
Sokkia’s RAB-Code (RAndom Bidirectional Code) staffs are designed exclusively for use with Sokkia Digital Levels. Staffs are available in Invar, fiberglass and aluminum and in various lengths.

738037 BIS30A New Super Invar RAB-code Staff (SO)
210160218 BIS20 2m Invar Staff Set for SDL30 (Two Rods with Case) (SO)
210160219 BIS20 3m Invar Staff Set for SDL30 (Two Rods with Case) (SO)
210150010 BGS40 4m Barcode Staff with Case
210150012 BGS50 5m Barcode Staff with Case
210150013 BGS50G3 16 ft. Barcode Staff with Case
210160221 BSS30 30cm Steel Barcode Section with Case (SO)
210160222 BSS60 60cm Steel Barcode Section with Case (SO)
210164300 BAS55 Aluminum Barcode Staff 5m with Case
210150031 GS20L Circular Level for BGS Rod, 20”
210150032 GS60L Circular Level for BGS Rod, 60”/2mm with Case
809601 Base Plate (Turtle)
**Direct Elevation Rods**
Lightweight aluminum design.

- 807650 Direct Elevation Rod, ft./10ths, 10 ft.
- 807651 Direct Elevation Rod, ft./in., (SO)
- 807652 Direct Reading Rod 3m (SO)
- 807653 Replacement Tape 10 ft., 10ths (SO)
- 1001605-01 Rod, 10' Laser Rod 10ths plus cut/fill
- 1001607-01 Rod, 15' Laser Rod 10ths
- 1001991-01 Direct Reading Rod 10' 10ths w/ Receiver guide

**Lumiscale Bar Code Rod**
Lumiscale is a self-illuminating bar code rod for use with all digital levels in any low light environment. The face of the rod with the graduations is made of an electroluminescent foil and the body of the rod is made of aluminum. Features an illuminated built in circular bubble.

- 809701 Nedo LumiScale with Topcon Bar Code (SO)
- 809702 Nedo LumiScale with Sokkia Bar Code (SO)
- 809704 Nedo LumiScale with Trimble Bar Code (SO)
- 809703 Charger with Adapter for Car Power Outlet (SO)

**Rod Level**
Determines if the level rod is perpendicular. Head is adjustable so that a true level can be maintained.

- 724190 Rod Level

**Builder’s Mini Rod**
Unfolds to 6½ ft. or 9½ ft. Printed graduations on both sides are embedded below the surface and sealed.

- 807548 6½ ft. Mini Rod, ft./10ths/100ths
- 807551 9½ ft. Mini Rod, ft./10ths/100ths

**Sokkia/SK Measuring Poles**
- Exact measurements of up to 26 ft. or 8m can be read on the enclosed, sealed digital readout.
- Rugged fiberglass construction with excellent tensile strength.
- Smooth telescoping movement with friction clamps.
- Only 4 ft. 8 in. closed and less than 5 lbs.
- Linear accuracy exceeds 1 in 2,000.

- 807376 Graduated in ft./in./8ths
- 807386 Graduated in ft./10ths/100ths
- 807396 Graduated in m/dm/cm/mm
**Hand Level – 1x**
Fixed eyepiece; internally mounted bubble assembly and adjustable reflector. Six inches in length with durable finish.

804350  1x Hand Level with Bubble Inside  
804908  Replacement Case

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**Magnifying Hand Level – 2x**
Telescoping hand level extends to 7¾ in. One inch diameter tube is six inches in length. Padded belt-loop case included.

804370  2x Magnifying Hand Level  
804908  Replacement Case

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**Magnifying Hand Level – 5x**
Provides accuracy at greater distances. Objective lens and eyepiece slide for easy focusing. Stadia lines with 1:100 ratio. Length of 7½ in. Padded belt loop case included.

804260  5x Magnifying Stadia Hand Level  
804907  Replacement Case

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**Square-Type Hand Level – 1x**
Fixed eyepiece; internally mounted bubble assembly and adjustable reflector. 6 in. in length with durable finish.

804520  Square-Type Hand Level  
804912  Replacement Case
Magnifying Abney Level with Stadia – 5x
Percent scale in both directions easy-slide focusing motions for objective and eyepiece. 1:100 stadia. Enamel finished 7¾ in. barrel extends to 8¾ in. Measure existing grades with the 1 x 3¾ in. flat base. Padded belt-loop case included.

804755 Magnifying Abney Level with Stadia
804911 Replacement Case

Abney Level with Clinometer
Tube is 5¾ in. long. Radius arc of 1¾ in. graduated in degrees (0-90°) in both directions; vernier reading of 10 minutes. Slope scale 1:1 and 1:10. Padded belt-loop case included.

804710 5” Arc, Degree and Slope Abney Level
804715 5” Arc, Percent and Degree Abney Level
804905 Replacement Case

Topographic Abney Level
Two interchangeable arcs offer chainage correction, degrees (0–60°) in both directions and percent of grade. Index has friction movement for fine adjustment. Non-glare 6¾ in. aluminum level tube extends to 7¾ in. Padded belt-loop case included.

804745 6¾ in. Top with Two Arcs Abney Level
804910 Replacement Case

Double Right Angle Prism
Two prisms allow for sight to the right and left and clear optical glass for viewing straight ahead. Metal construction. Includes leather case.

724780 Double Right Angle Prism
Builder’s Series Tripods

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Min. Height</th>
<th>Max. Height</th>
<th>Height Closed</th>
<th>Type of Head</th>
</tr>
</thead>
<tbody>
<tr>
<td>724445</td>
<td>34 in.</td>
<td>63 in.</td>
<td>30 in.</td>
<td>Aluminum Tripod Light Weight Quick Clamp, Green, Flat Head</td>
</tr>
<tr>
<td>724645</td>
<td>38 in.</td>
<td>63 in.</td>
<td>42 in.</td>
<td>Aluminum Tripod Medium Weight Quick Clamp, Green, Flat Head</td>
</tr>
<tr>
<td>724675</td>
<td>38 in.</td>
<td>63 in.</td>
<td>42 in.</td>
<td>Aluminum Tripod Medium Weight Twist Lock, Green, Flat Head</td>
</tr>
<tr>
<td>724251</td>
<td>38 in.</td>
<td>63 in.</td>
<td>42 in.</td>
<td>Fiberglass Tripod with Dual Clamp, Flat Head</td>
</tr>
<tr>
<td>724252</td>
<td>42 in.</td>
<td>70 in.</td>
<td>45 in.</td>
<td>Wood Tripod Dual Clamp with Tool Kit</td>
</tr>
<tr>
<td>724281</td>
<td>42 in.</td>
<td>70 in.</td>
<td>45 in.</td>
<td>Wood Fiberglass Tripod Twist Lock</td>
</tr>
<tr>
<td>724282</td>
<td>42 in.</td>
<td>70 in.</td>
<td>45 in.</td>
<td>Wood Fiberglass Tripod Quick Clamp</td>
</tr>
<tr>
<td>724647</td>
<td>38 in.</td>
<td>63 in.</td>
<td>42 in.</td>
<td>Domed Medium Weight Aluminum Tripod</td>
</tr>
<tr>
<td>724676</td>
<td>38 in.</td>
<td>63 in.</td>
<td>42 in.</td>
<td>Aluminum Tripod Medium Weight Twist Lock (Black)</td>
</tr>
</tbody>
</table>

Tripod Stabilizer
Designed to provide stability when working indoors on concrete and other hard surfaces. Made of heavy-duty aluminum and collapses for compact storage. Comes with rubber O-rings that fit over the feet of the tripod for extra security.
808903 Tripod Stabilizer

Professional Series Tripods
Sokkia Wide-Frame Wood Tripods
All North American maple with metal hardware (no plastic). The hinges are self-adjusting and it has durable nylon bushings for smooth operation. Tripod shoes have large spurs; hardened steel replaceable tips. Bright yellow or Sokkia green finish. Carrying handle.

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Color</th>
<th>Height Open</th>
<th>Height Closed</th>
<th>Type of Head</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>751250</td>
<td>Green</td>
<td>72 in.</td>
<td>45 ¾ in.</td>
<td>¾ x 11 flat</td>
<td>14 ½ lbs.</td>
</tr>
<tr>
<td>751252</td>
<td>Yellow</td>
<td>72 in.</td>
<td>45 ¾ in.</td>
<td>¾ x 11 flat</td>
<td>14 ½ lbs.</td>
</tr>
</tbody>
</table>

Sokkia Wide-Frame Aluminum Tripods
Anodized finish in high-visibility International orange and silver with sling strap for easy hand or shoulder carrying. Extra-long shoes with large spurs for greater anchoring power. Hardened steel, replaceable tripod shoe tips with a screw-style leg or quick release clamp assembly.

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Height Open</th>
<th>Height Closed</th>
<th>Type of Head</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>210150070</td>
<td>PSA1L</td>
<td>67 in.</td>
<td>41 in.</td>
<td>½ x 11 domed</td>
</tr>
<tr>
<td>210150068</td>
<td>PSA1</td>
<td>67 in.</td>
<td>41 in.</td>
<td>½ x 11 domed</td>
</tr>
<tr>
<td>210150053</td>
<td>PFA1L</td>
<td>67 in.</td>
<td>41 in.</td>
<td>½ x 11 flat</td>
</tr>
<tr>
<td>210150051</td>
<td>PFA1</td>
<td>67 in.</td>
<td>41 in.</td>
<td>½ x 11 flat</td>
</tr>
</tbody>
</table>
Nedo® Surveyors’ Grade Wooden Tripods

- Big round tripod head for easy instrument set-up (approximately 6½ in. diameter).
- Plastic coated wooden legs ensure a long life.
- Available with Quick Clamp, Screw Clamp or both.
- Brass hinge pins for extra stability.
- Replaceable points made of hardened steel.
- Snap Cap to protect tripod head.
- Carrying strap for easy handling.

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Min. Height</th>
<th>Max. Height</th>
<th>Height Closed</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>59005</td>
<td>40 in.</td>
<td>66 in.</td>
<td>44 in.</td>
<td>17 lbs.</td>
</tr>
<tr>
<td>809502</td>
<td>40 in.</td>
<td>66 in.</td>
<td>44 in.</td>
<td>17 lbs.</td>
</tr>
<tr>
<td>809501</td>
<td>40 in.</td>
<td>66 in.</td>
<td>44 in.</td>
<td>17 lbs.</td>
</tr>
</tbody>
</table>

Elevating Tripods

- Robust aluminum top plate with ¾ x 11.
- Double telescope for a large working range.
- Anodized scale.
- Robust crank mechanism for easy handling.
- Built-in bubble for easy set-up.
- Slip-Guard to prevent the legs from spreading unintentionally.
- Break-proof aluminum quick release levers.

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Min. Height</th>
<th>Max. Height</th>
<th>Height Closed</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>809550</td>
<td>44 in.</td>
<td>93 in.</td>
<td>48 in.</td>
<td>12 lbs.</td>
</tr>
<tr>
<td>809551</td>
<td>34 in.</td>
<td>112 in.</td>
<td>44 in.</td>
<td>15 lbs.</td>
</tr>
<tr>
<td>60810</td>
<td>33 in.</td>
<td>119 in.</td>
<td>52 in.</td>
<td>19 lbs.</td>
</tr>
<tr>
<td>60811</td>
<td>70 in.</td>
<td>157 in.</td>
<td>74 in.</td>
<td>25 lbs.</td>
</tr>
</tbody>
</table>
**Precision Tribrachs**
Tribrachs accept Sokkia EDM systems, electronic and optical theodolites, as well as equipment and accessories. Base plate has standard $\frac{5}{8} \times 11$ threads and circular level vial with a sensitivity of 10 min./2mm Push-pull slide focus.

**WOA Precision Tribrachs with Optical Plummet (Optical plummet range: 1.5 to 50 ft. [0.5 to 15m])**
210150090 WA201 Precision Tribrach with Optical Plummet

**WAI Precision Tribrachs**
221470200 WA200 Tribrach without Optical Plummet (Standard Total Station)
221470300 WA250 Tribrach without Optical Plummet (Motorized Total Station)

**Laser Tribrach**
This tribrach has a bright focused laser dot that provides accurate and quick positioning over a point. It has a push button on/off switch and also maintains the standard 8 minute circular vial. Included is a standard 3 volt CR2 lithium battery.
724034 Tribrach with Laser Plummet, Black

**Optical Plummet Tribrach**
724035 Tribrach with Optical Plummet, Black

**Standard Tribrach**
724036 Tribrach without Plummet, Black

**Tribrach Adapters**
Adapter accepts all mount and target assemblies; has 60 second level vial for accurate leveling and centering that’s adjustable to match height of optical axis above the tribrach.
Use with WAI Precision Tribrach: 731134.
210160016 AP41 Tribrach Adapter with Optical Plummet

This adapted shares the same features as 726150, but without the optical plummet.
Use with WAI Precision Tribrach: 731135.
210160018 AP44 Tribrach Adapter (SO)

Use this adapter for mounting GPS, prisms and target systems with most tribrachs – has $\frac{5}{8} \times 11$ center stud.
724037 Tribrach Adapter Fixed

Adapts GPS, prisms and target systems to most tribrachs – has removable center plug with $\frac{5}{8} \times 11$ threads and locking screw. Removable center available as a replacement separately.
724038 Tribrach Adapter with removable center

Includes $\frac{5}{8} \times 11$ male thread for attaching GPS, prisms and target systems. Threaded portion attached to rotating plate for easy aiming. Plate has knurled edge and friction stop.
724042 Tribrach Adapter friction rotatable
MS27
The MS27 offers unmatched precision and ease of use for viewing and interpreting aerial photographs. The distance between the stereo pairs is 27cm, and the field of view is a generous 18 x 23cm. TRA2 tracking device (option) allows for accurate stereoscopic observation over entire overlapped portions of photographs. Illumination unit LA3 is provided as an optional accessory.

<table>
<thead>
<tr>
<th>MS27 Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Main Unit</strong></td>
</tr>
<tr>
<td>Distance of optical path</td>
</tr>
<tr>
<td>Magnification</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>Field of view of stereoscope</td>
</tr>
<tr>
<td>Field of view of binocular</td>
</tr>
<tr>
<td>Range of eye-span</td>
</tr>
<tr>
<td>Weight</td>
</tr>
<tr>
<td><strong>PB1 Parallax Measuring Bar</strong></td>
</tr>
<tr>
<td>Minimum graduation / estimation</td>
</tr>
<tr>
<td>Measurement range</td>
</tr>
<tr>
<td>Length / weight</td>
</tr>
<tr>
<td><strong>TRA2 Tracking Device (option)</strong></td>
</tr>
<tr>
<td>Size of photographs</td>
</tr>
<tr>
<td>Range of displacement</td>
</tr>
</tbody>
</table>

*The TRA2 cannot be used with the LA3 Illumination Unit.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>210153100</td>
<td>MS27 Stereoscope Complete with BN3 &amp; PB1</td>
</tr>
<tr>
<td>210153000</td>
<td>MS27WO Stereoscope Main Unit in Case</td>
</tr>
<tr>
<td>210153800</td>
<td>LA3 Illumination Unit</td>
</tr>
<tr>
<td>210153700</td>
<td>BN3 3x Binoculars Only</td>
</tr>
<tr>
<td>210153600</td>
<td>PB1 Stereometer only (Parallax Bar)</td>
</tr>
<tr>
<td>210150087</td>
<td>TRA2 T-27 Track Attachment for MS27</td>
</tr>
<tr>
<td>210153300</td>
<td>BN8A 8x Eyepiece Set Converts BN3 to BN8</td>
</tr>
</tbody>
</table>

MS16
This small mirror stereoscope is compact yet practical with a 16cm optical path that provides a wide field of view.

<table>
<thead>
<tr>
<th>MS16 Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Distance of optical path</td>
</tr>
<tr>
<td>Magnification</td>
</tr>
<tr>
<td>Field of view</td>
</tr>
<tr>
<td>Weight</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>210153200</td>
<td>MS16 Small Mirror Stereoscope</td>
</tr>
</tbody>
</table>

PS4A & PS2A
Handy lens-type stereoscopes. Distance between lenses is adjustable from 56mm to 75mm. Two magnifications available, 4x (PS4A) and 2x (PS2A).

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>210153400</td>
<td>PS2A Pocket Stereoscope (2x with Soft Case)</td>
</tr>
<tr>
<td>210153500</td>
<td>PS4A Pocket Stereoscope (4x with Soft Case)</td>
</tr>
</tbody>
</table>
Planix 5 Planimeter
365161  Planix 5 Electronic Polar Compensator Planimeter

Planix 6 Roller Planimeter
365161  Planix 6 Electronic Compensator Roller Planimeter

Planix 7 Roller Planimeter
365170  Planix 7 Electronic Compensator Roller Planimeter

Planix 10S Digitizing Area Line Meter
365110  Planix 10S Marble Digitizing Area Line Meter
### Planimeter Specifications

<table>
<thead>
<tr>
<th></th>
<th>Planix 5</th>
<th>Planix 6</th>
<th>Planix 7</th>
<th>Planix 10S</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>X, Y Coordinates</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>External outputs</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Area</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>Side length</td>
<td></td>
<td></td>
<td></td>
<td>•</td>
</tr>
<tr>
<td>Line length</td>
<td></td>
<td></td>
<td></td>
<td>•</td>
</tr>
<tr>
<td>Radius</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Center point</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Triangle (base length, height and area)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Angle (side length and angle)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Scale: Key input</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td></td>
</tr>
<tr>
<td>Scale: PLOT-real measurement correction</td>
<td></td>
<td></td>
<td></td>
<td>•</td>
</tr>
<tr>
<td>Measuring area for differing scale of X,Y</td>
<td></td>
<td></td>
<td>Area Only</td>
<td>Area Only</td>
</tr>
<tr>
<td>Sum and average measurement</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>Decimal point set-up</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td></td>
</tr>
<tr>
<td>Auto power off</td>
<td></td>
<td>•</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Calculation</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Display</td>
<td>dot LCD 8 digits x 1 line</td>
<td>dot LCD 16 digits x 2 lines</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Measuring range</td>
<td>300mm x 300mm</td>
<td>300mm x 3m</td>
<td>300mm x 10m</td>
<td></td>
</tr>
<tr>
<td>Minimum line reading</td>
<td>±0.1cm</td>
<td>±0.05mm</td>
<td>±0.05mm</td>
<td></td>
</tr>
<tr>
<td>Accuracy</td>
<td>±0.2%</td>
<td>±0.1%</td>
<td>±0.1%</td>
<td></td>
</tr>
<tr>
<td>Auto close function</td>
<td></td>
<td></td>
<td></td>
<td>•</td>
</tr>
<tr>
<td>Automatic numbering</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Printer</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>RS-232C interface cable</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* = option
**Lufkin Tape Reels**

<table>
<thead>
<tr>
<th>Sokkia Item No.</th>
<th>Lufkin No.</th>
<th>Length and Width</th>
<th>Graduations</th>
</tr>
</thead>
<tbody>
<tr>
<td>120150</td>
<td>31-100</td>
<td>100’/30m x ¼ or 5/16 in.</td>
<td>Figure 8, for chain-style tapes</td>
</tr>
<tr>
<td>120152-S</td>
<td>31-200</td>
<td>200’/50m x ¼ or 5/16 in.</td>
<td>D-handle, point, for chain-style tapes</td>
</tr>
<tr>
<td>120153 (SO)</td>
<td>31-300</td>
<td>300’/100m x ¼ or 5/16 in.</td>
<td>D-handle, point, for chain-style tapes</td>
</tr>
</tbody>
</table>

**Lufkin Chain-Style Tapes - Super Hi Way Nubian® (Black) 5/16 in.**

<table>
<thead>
<tr>
<th>Sokkia Item No.</th>
<th>Lufkin No.</th>
<th>Length and Width</th>
<th>Graduations</th>
</tr>
</thead>
<tbody>
<tr>
<td>122110</td>
<td>O9100B</td>
<td>1201-50, 31-100, 100 ft.</td>
<td>Add feet</td>
</tr>
<tr>
<td>122120</td>
<td>O9200B</td>
<td>1201-52, 31-200, 200 ft.</td>
<td>Add feet</td>
</tr>
<tr>
<td>122130 (SO)</td>
<td>O9300B</td>
<td>1201-53, 31-300, 300 ft.</td>
<td>Add feet</td>
</tr>
</tbody>
</table>

**Chaining Pins**

724300 14 in. Chaining Pins (Set of 11)

**Lufkin Banner Tapes**

<table>
<thead>
<tr>
<th>Sokkia Item No.</th>
<th>Lufkin No.</th>
<th>Length and Width</th>
<th>Graduations</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>120315-S (SO)</td>
<td>C216D</td>
<td>100 ft., ¾ in. wide blade (ring end)</td>
<td>ft./10ths/100ths</td>
<td>Chrome</td>
</tr>
<tr>
<td>120325-S</td>
<td>HC256</td>
<td>100 ft.</td>
<td>Inches</td>
<td>Chrome</td>
</tr>
<tr>
<td>120335-S (SO)</td>
<td>HW223D</td>
<td>50 ft.</td>
<td>ft./10ths/100ths</td>
<td>n/a</td>
</tr>
<tr>
<td>120345-S</td>
<td>HW226D</td>
<td>100 ft.</td>
<td>ft./10ths/100ths</td>
<td>n/a</td>
</tr>
</tbody>
</table>

**Lufkin Architect’s Pocket Scale**

Yellow-clad ¼ in. x 5 ft. blade with black markings and automatic return. Scales: ¼ and ¼ in. to foot.

120364-S Architect’s Pocket Scale Lufkin No.: W393

**Note on Graduation Styles**

**Add style feet:**
Tapes have a blank space at each end. The extra foot before zero is graduated in 10ths and 100ths from right to left. Balance is marked every foot except the last foot of each 100 ft. length, which is in 100ths of feet.

**Add style metric:**
Tapes have a blank space at each end. The decimeter before zero is graduated in millimeters from right to left. Balance is marked every decimeter to meter.
### Lufkin Peerless Yellow-Clad Steel Tapes

<table>
<thead>
<tr>
<th>Sokkia Item No.</th>
<th>Lufkin No.</th>
<th>Refill Sokkia Item No.</th>
<th>Refill Lufkin No.</th>
<th>Length and Width</th>
<th>Graduations</th>
</tr>
</thead>
<tbody>
<tr>
<td>121610 (SO)</td>
<td>Y1276</td>
<td>121611</td>
<td>RY1276</td>
<td>100 ft.</td>
<td>ft./in./8ths</td>
</tr>
<tr>
<td>121615</td>
<td>Y1276D</td>
<td>121616</td>
<td>RY1276D</td>
<td>100 ft.</td>
<td>ft./10ths/100ths</td>
</tr>
<tr>
<td>121620</td>
<td>Y1278</td>
<td>121621</td>
<td>RY1278</td>
<td>200 ft.</td>
<td>ft./in./8ths</td>
</tr>
<tr>
<td>121625</td>
<td>Y1278D</td>
<td>121626</td>
<td>RY1278D</td>
<td>200 ft.</td>
<td>ft./10ths/100ths</td>
</tr>
<tr>
<td>121630</td>
<td>Y1279</td>
<td>121631</td>
<td>RY1279</td>
<td>300 ft.</td>
<td>ft./in./8ths</td>
</tr>
<tr>
<td>121635 (SO)</td>
<td>Y1279D</td>
<td>n/a</td>
<td>RY1279D</td>
<td>300 ft.</td>
<td>ft./10ths/100ths</td>
</tr>
</tbody>
</table>

### Lufkin Ny-Clad Steel Tapes

<table>
<thead>
<tr>
<th>Sokkia Item No.</th>
<th>Lufkin No.</th>
<th>Refill Sokkia Item No.</th>
<th>Refill Lufkin No.</th>
<th>Length and Width</th>
<th>Graduations</th>
</tr>
</thead>
<tbody>
<tr>
<td>125253</td>
<td>PS1806</td>
<td>n/a</td>
<td>n/a</td>
<td>100 ft.</td>
<td>ft./inches</td>
</tr>
<tr>
<td>125254</td>
<td>PS1806D</td>
<td>n/a</td>
<td>n/a</td>
<td>100 ft.</td>
<td>10ths/100ths</td>
</tr>
<tr>
<td>125255</td>
<td>PS1808</td>
<td>n/a</td>
<td>n/a</td>
<td>200 ft.</td>
<td>ft./inches</td>
</tr>
<tr>
<td>125256</td>
<td>PS1808</td>
<td>n/a</td>
<td>n/a</td>
<td>200 ft.</td>
<td>ft./10ths/100ths</td>
</tr>
</tbody>
</table>

### Lufkin Folding Rules

<table>
<thead>
<tr>
<th>Sokkia Item No.</th>
<th>Lufkin No.</th>
<th>Length</th>
<th>Graduations</th>
</tr>
</thead>
<tbody>
<tr>
<td>120247-S</td>
<td>062CME</td>
<td>6 ft./2m</td>
<td>ft./in./16ths ft. and metric</td>
</tr>
<tr>
<td>120566 (SO)</td>
<td>966</td>
<td>6 ft.</td>
<td>ft./in. and metric</td>
</tr>
<tr>
<td>120575</td>
<td>1066D</td>
<td>6 ft.</td>
<td>ft./10ths/100ths and ft./in./16ths ft., Heavy Duty</td>
</tr>
<tr>
<td>120576</td>
<td>1066DM</td>
<td>6 ft./2m</td>
<td>ft./10ths/100ths/metric, Heavy Duty</td>
</tr>
</tbody>
</table>

### Lufkin Fiberglass Open-Reel Tapes

<table>
<thead>
<tr>
<th>Sokkia Item No.</th>
<th>Lufkin No.</th>
<th>Length</th>
<th>Graduations</th>
</tr>
</thead>
<tbody>
<tr>
<td>125244</td>
<td>1706D</td>
<td>100 ft.</td>
<td>10ths</td>
</tr>
<tr>
<td>125246</td>
<td>1708D</td>
<td>200 ft.</td>
<td>10ths</td>
</tr>
<tr>
<td>125248</td>
<td>1706</td>
<td>100 ft.</td>
<td>inches</td>
</tr>
<tr>
<td>125251</td>
<td>HY1730CME</td>
<td>100 ft./30m</td>
<td>ft./meters</td>
</tr>
<tr>
<td>125252</td>
<td>HV1730DM</td>
<td>100 ft./30m</td>
<td>ft./10ths/100ths</td>
</tr>
</tbody>
</table>
### Lufkin Series 2000 in Chrome-Plated Cases

<table>
<thead>
<tr>
<th>Sokkia Item No.</th>
<th>Lufkin No.</th>
<th>Blade Width and Length</th>
<th>Graduations</th>
</tr>
</thead>
<tbody>
<tr>
<td>120112-S</td>
<td>2312D</td>
<td>¾ in. x 12 ft.</td>
<td>ft./in./16ths ft./10ths/100ths</td>
</tr>
<tr>
<td>120122-S</td>
<td>2325D</td>
<td>¾ in. x 25 ft.</td>
<td>ft./in./16ths ft./10ths/100ths</td>
</tr>
<tr>
<td>120133</td>
<td>2133D</td>
<td>1 in. x 33 ft.</td>
<td>ft./in./16ths ft./10ths/100ths</td>
</tr>
</tbody>
</table>

### Lufkin Series HV1000 in Blaze Orange Case

<table>
<thead>
<tr>
<th>Sokkia Item No.</th>
<th>Lufkin No.</th>
<th>Blade Width and Length</th>
<th>Graduations</th>
</tr>
</thead>
<tbody>
<tr>
<td>120113-S</td>
<td>HV1048DM</td>
<td>1 in. x 25 ft./7.5m</td>
<td>ft./10ths/100ths/metric</td>
</tr>
<tr>
<td>120115-S</td>
<td>HV1048CM</td>
<td>25mm x 8m</td>
<td>metric</td>
</tr>
<tr>
<td>120121</td>
<td>HV1425ED</td>
<td>1 in. x 25 ft.</td>
<td>ft./10ths/100ths</td>
</tr>
<tr>
<td>120124-S</td>
<td>HY1034DM</td>
<td>¾ in. x 12 ft.</td>
<td>10ths/metric</td>
</tr>
<tr>
<td>120128</td>
<td>HV1425D</td>
<td>1 in. x 25 ft.</td>
<td>ft./in./16ths ft./10ths/100ths</td>
</tr>
<tr>
<td>120134</td>
<td>HV1312D</td>
<td>¾ in. x 12 ft.</td>
<td>10ths</td>
</tr>
<tr>
<td>121915 (SO)</td>
<td>HV1048CME</td>
<td>1 in. x 26 ft./8m</td>
<td>ft./in./8ths/metric</td>
</tr>
<tr>
<td>121916</td>
<td>HV1433DM</td>
<td>1 in. x 33 ft./10m</td>
<td>ft./10ths/100ths/metric</td>
</tr>
</tbody>
</table>

### Hammerhead Measuring Tapes with Belt Clips

Available in power tapes, fiberglass tapes or nylon coated steel tapes in many lengths and graduation styles. All cases and reels are sturdy Hi-Visibility green ABS plastic.

<table>
<thead>
<tr>
<th>Sokkia Item No.</th>
<th>Description</th>
<th>Graduations</th>
</tr>
</thead>
<tbody>
<tr>
<td>870625</td>
<td>1” x 25’ Power Tape</td>
<td>in./10ths</td>
</tr>
<tr>
<td>1001599-01</td>
<td>1” x 33’ with nylon coated blade</td>
<td>in./10ths</td>
</tr>
</tbody>
</table>

### Sokkia/Eslon Fiberglass Utility Tapes (¼ in. wide)

Especially good for topographic surveys. Extremely light and slip- and tear-proof. (Not supplied with reel.)

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Length</th>
<th>Graduations</th>
</tr>
</thead>
<tbody>
<tr>
<td>845022</td>
<td>50m</td>
<td>5cm</td>
</tr>
</tbody>
</table>
### Sokkia/Eslon™ Fiberglass Open-Reel Tapes (1/2 in. wide)
Lightweight case is virtually shatterproof. The special handle design makes reeling quick. Width 1/2 in., with folding metal end hook.

- **Printed on one side. Graduated in ft./in./8ths.**
  - | Sokkia Item No. | Length | Refill No. |
  - | 845142 | 50 ft. | 845162 |
  - | 845144 | 100 ft. | 845164 |
  - | 845146 | 200 ft. | n/a |
  - | 845148 | 300 ft. | n/a |

- **Printed on both sides. One side graduated in ft./in./8ths, other side m/cm/2mm.**
  - | Sokkia Item No. | Length | Refill No. |
  - | 845444 | 100 ft./30m | 845464 |
  - | 845445 | 165 ft./50m | n/a |

- **Printed on both sides. One side graduated in ft./10ths/100ths, other side m/cm/2mm.**
  - | Sokkia Item No. | Length | Refill No. |
  - | 845542 | 50 ft./15m | n/a |
  - | 845544 | 100 ft./30m | 845564 |
  - | 845545 | 165 ft./50m | 845565 |

- **Printed on one side. Graduated in m/cm/2mm.**
  - | Sokkia Item No. | Length | Refill No. |
  - | 845344 | 30m | 845364 |
  - | 845346 | 60m | n/a |
  - | 845348 | 100m | 845368 |

### Sokkia/Eslon Fiberglass Appraiser’s Tapes
These long-lasting tapes have special hook ends to assure accuracy.

- **Printed on one side. Graduated in ft./in./8ths.**
  - | Sokkia Item No. | Length | Refill No. |
  - | 845174 | 100 ft. | 845184 |

- **Printed on one side. Graduated in ft./10ths/100ths.**
  - | Sokkia Item No. | Length | Refill No. |
  - | 845274 | 100 ft. | 845284 |

### Sokkia/Eslon Warranty
Sokkia/Eslon tapes are covered by a full one-year warranty. If your Sokkia/Eslon tape breaks or if it is defective, Sokkia Corporation will replace it at no charge for up to one full year from the original date of purchase. This warranty also covers defective or broken tape reels and cases. Details are supplied with tapes.
Suunto Compass/Clinometers

**Compasses**
- 802430  51-A-30 Woodsman Compass
- 802442  51-MC-2D Mirror Compass 0-360°

**Sighting**
- 802530  51-KB14/360R Compass 0-360°, Aluminum Case
- 802535  51-KB14/360RD Compass 0-360° with Adjustable Declination (SO)
- 802510  51-KB20/360R Compass 0-360°

**Accessories**
- 802503  51-K1335 Rubber Cover, Fits: 802530/802540/802575/802590 (SO)

**Twin Precision Compasses/Clinometers**
Two instruments in one. Built-in prismatic sighting for fast field use. Resists corrosion, water and impact. Use for directional indications and slope/height measurements with an accuracy of ±0.25°.
- 802506  1380 Tandem Compass/Clinometer

**Clinometers**
Use as a hand level, builder’s level, optical plummet and slope indicator. Measures vertical angles, computes height, determines slope angles and levels for rough surveying. Liquid will not freeze or evaporate.
- 802575  51-PM5/360PC Clinometer
- 802590  51-PM5/66PC Height Meter with Slope Scale

Ushikata Surveying Compass
Handy and compact. A unique “O-BAC” device for one-touch zero setting provides a horizontal reading. Quick magnetic readings with a magnetic induction damper and stadia survey is available with the telescope reticle. Perfect for mountain, forest and range surveying.
- 802635  Surveying Compass with Telescope and Case, 0-360° Ushikata Tracon S-25
- 802633  Aluminum Extension Tripod with Case (Ushikata Model No. 33)

**S-25 Specifications**

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Telescope</td>
<td>reversible, erect, 12x, 120mm long</td>
</tr>
<tr>
<td>Horizontal Circle</td>
<td>5°, “O-BAC” zero setting</td>
</tr>
<tr>
<td>Compass Circle</td>
<td>Dia. 70mm, 1°</td>
</tr>
<tr>
<td>Vertical Circle</td>
<td>full circle, 1°</td>
</tr>
<tr>
<td>Weight</td>
<td>1.0 kg</td>
</tr>
</tbody>
</table>

802635  Surveying Compass with Telescope and Case, 0-360° Ushikata Tracon S-25
802633  Aluminum Extension Tripod with Case (Ushikata Model No. 33)
**Thermometers**

This magnet reset, mercury filled thermometer includes a tenite case. Range -40° to 120° F in 2° increments. Non-refillable.

800600  Max.-Min. Thermometer

This 5½ in. long thermometer is mercury filled and has a range of -40° to 120° F in 2° increments. Non-refillable.

800610  Pocket Thermometer

The same features as 800610 except with range: 0° to 220° F. Non-refillable.

800620  Pocket Thermometer (SO)

Pocket Thermometer with plastic case that’s 5½ in. long. Mercury filled; range: -40° to 120° C in 1° increments. Non-refillable.

800611  Pocket Thermometer—Celsius (SO)

The same features as 800611 but with a refillable metal case.

800614  Refillable Pocket Thermometer (SO)

Sling Psychrometer that’s 6½ in. and mercury filled. Thermometer is recessed and protected by black plastic tube-type case. The outside of the case acts as a handle when operating. White-on-black scale markings; range: 20° to 120° F in 1° increments.

800631  Sling Psychrometer (SO)

Read indoor and outdoor temperatures from inside with bold red and blue numerals. Extend tubing out window to read outdoor temperatures. Range: -45° to 115° F / -40° to 55° C.

800692  Indoor/Outdoor Thermometer (SO)

**Bi-Therm Thermometers**

As accurate as mercury thermometers, but without the need for safety precautions to avoid potential toxicity. Measures temperature with a bi-metallic coil attached to an indicator needle.

800650  1 in. dial; -40° to 160° F
800651  1 in. dial; -40° to 50° C (SO)
800660  1 in. dial; 0° to 220° F
800672  2 in. dial; 0° to 550° F
800601  1¾ in. dial; 50° to 550° F

**Pocket Digital Thermometer**

High precision pocket digital thermometer. Able to be recalibrated. Maximum/minimum temperature feature retains memory even when turned off. Two-stage off button with timer, auto-off feature to conserve battery, replaceable watch battery installed. 4½ in. stainless steel stem. Range: -58° to 500° F / -50° to 260° C.

800690  Pocket Digital Thermometer
**Field Books**
Left page with blue horizontal lines and red vertical lines. Right page with 4 squares per inch and red vertical line.
815260  Field Book (4½ x 7¼ in.)

Both pages with 10 squares per inch with inch lines slightly heavier.
815275  Cross-Section Book (6½ x 8½ in.)

Both pages with blue horizontal lines and red vertical lines. Six vertical columns per page.
815250  Level Book (4 x 6½ in.)

Both pages with blue horizontal lines and red vertical lines. Six vertical columns per page.
815255  Level Book (4½ x 7¼ in.)

**Loose-Leaf Sheets**
Single sheets: 50 singles per package, 12 packages per carton, sold by the package.
815350  Level Book (4½ x 7¼ in.)

**Specialty Field Books**
Left page level ruled. Right page with 8 squares per inch and red vertical center line.
815220  Mining Transit Book (4½ x 7¼ in.)

Left page level ruled. Right page with 10 squares per inch, red vertical center line and heavy inch lines.
815230  Engineer’s Field Book (4½ x 7¼ in.)

**Transit/Economy Field Books**
Left page level ruled. Right page with 8 vertical and 4 horizontal blue lines and red vertical center line.
815200  Transit Field Book (4½ x 7¼ in.)

**Loose-Leaf Sheets**
Single sheets: 50 singles per package, 12 packages per carton, sold by the package.
815300  Transit Field Book (4½ x 7¼ in.)

Heavy paper cover, spiral bound and 36 pages.
815205  Economy/Student Field Book

Heavy paper cover, saddle stitched (stapled) and 32 pages.
815210  Economy Field Book

**Rite-In-The-Rain® Weatherproof Field Books**
80 leaves, ruled 8 vertical lines per inch, covered in yellow poly. Size: 4⅝ x 7 in.
815400  Transit Book #300

80 leaves, ruled 6 vertical columns per page, covered in yellow poly. Size: 4⅝ x 7 in.
815405  Level Book #310

**Loose-Leaf Sheets - 100 loose-leaf packs.**
815410  Transit Book Sheets #302 (same layout as 815260)
815415  Level Book Sheets #312 (same layout as 815250)

**High-Visibility Buckram Binders**
Buckram-covered stiff board construction-lined with black paper. Six-ring style.
815370  50-page capacity binder with ½ in. rings. Size: 5½ x 7¾ in.
815375  100-page capacity binder with ¾ in. rings. Size: 5½ x 7¾ in.

**High-Visibility Polyethylene Binders**
One-piece, 55-gauge single-piece cover resists dirt and withstands tough weather. Six-ring style.
815378  100-page capacity with ¾ in. rings. Size: 5½ x 7¾ in.
815379  50-page capacity with ½ in. rings. Size: 5⅝ x 7¾ in.
Presco “Texas” Flagging
Colorfast and rainproof. Contains no toxic lead. Packed one dozen to a box; sold by the box. Size: 1 in. wide.
Note: Colors cannot be assorted within the box.

8110 _ _ Solid 300 ft. roll. Specify color with last two digits:
-00 Red, -01 Orange, -02 Blue, -03 Yellow, -04 White, -06 Black, -11 Green.

8112 _ _ Florescent 150 ft. roll. Specify color with last two digits:
-00 Red Glo, -01 Orange Glo, -03 Yellow Glo, -04 Pink Glo, -06 Lime Glo.

Presco “Arctic” Flagging
Excellent durability and performance at low temperatures. -40° F temperature resistance.
Packed one dozen to a box; sold by the box. Size: 3mm for standard colors, 5mm for fluorescent colors. Note: Colors cannot be assorted within the box.

8110 _ _ Florescent 150 ft. roll. Specify color with last two digits:
-09 Yellow Glo, -70 Orange Glo, -71 Pink Glo, -72 Blue Glo, -73 Lime Glo.

8110 _ _ Solid 300 ft. roll. Specify color with last two digits:
-77 White, -78 Blue.

Stake Flags
Vinyl flags securely attached to stiff steel wire stakes. Packed 100 to a bundle with 10 bundles per box. Sold by the box. Order in increments of 10.

Small Flags (2½ x 3½ in.)
8108 _ _ 21 in. stakes. Specify color with last two digits:
-00 Pink Glo, -01 Orange Glo, -03 Yellow, -06 White.

8109 _ _ 30 in. stakes. Specify color with last two digits:
-00 Pink Glo, -01 Orange Glo, -03 Yellow, -04 Red, -06 White.

Large Flags (4 x 5 in.)
0802 _ _ 21 in. stakes. Specify color with last two digits:

0803 _ _ 30 in. stakes. Specify colors with last two digits:
-01 Blue, -02 Orange Glo, -03 Red, -04 White, -05 Yellow, -06 Blue Glo, -07 Pink Glo, -08 Lime Glo, -09 Red Glo, -16 Yellow Glo, -24 Orange, 080298 Green, 099071 Green Glo.

8113 _ _ 36 in. stakes. Specify colors with last digit:
-00 Pink Glo, -01 Orange Glo, -02 Blue, -03 Yellow.

Aerial Flagging
Sold by the roll.

10164 White Roll, 300 ft. x 12 in.

Flagging Tape Dispenser
Lightweight, rustproof and fits on a belt or waistband. Holds one roll.

811010 Flagging Dispenser

Stake Whiskers
Packed 25 per bundle. 40 bundles per box.

117 _ _ -41 Orange, -50 Red, -51 Blue, -53 Pink Glo, -54 White, -55 Orange Glo.
**Mag Nails**  
Revolutionary new metal formula doubles or quadruples detection by metal detectors by retaining magnetism. Larger center point for easier driving. Packaged in boxes of 100.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Diameter</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>813345</td>
<td>Flat Survey Markers</td>
<td>¾ x ¾ in.</td>
<td>Each</td>
</tr>
<tr>
<td>813346</td>
<td>Flat Survey Markers</td>
<td>1 x ½ in.</td>
<td>Each</td>
</tr>
<tr>
<td>813347</td>
<td>Flat Survey Markers</td>
<td>1¼ x ¼ in.</td>
<td>Each</td>
</tr>
<tr>
<td>813348</td>
<td>Flat Survey Markers</td>
<td>1½ x ¼ in.</td>
<td>Each</td>
</tr>
<tr>
<td>813349</td>
<td>Flat Survey Markers</td>
<td>2 x ½ in.</td>
<td>Each</td>
</tr>
<tr>
<td>813350</td>
<td>Flat Survey Markers</td>
<td>2½ x ¼ in.</td>
<td>Each</td>
</tr>
</tbody>
</table>

**Stake Tacks**  
Steel, ¾ in. long tacks with indented head to guide plumb bob point. Approximately 725 per 1 lb. box.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Size</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>813270</td>
<td>Stake Tacks</td>
<td></td>
<td>Each</td>
</tr>
<tr>
<td>096000</td>
<td>Tack Ball</td>
<td></td>
<td>Each</td>
</tr>
</tbody>
</table>

**Nail Markers**  
One-inch squares made of plastic impregnated nylon in florescent orange. Approximately 70 per package.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Size</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>811501</td>
<td>Nail Markers with ¼ in. hole</td>
<td></td>
<td>Each</td>
</tr>
<tr>
<td>811502</td>
<td>Nail Markers with ½ in. hole</td>
<td></td>
<td>Each</td>
</tr>
</tbody>
</table>

**Lead Wire**  
For lead and tack reference points. Fits hole cut by No. 813089 Concrete Drill. Diameter: ¾ in., Length: 15 in.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Diameter</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>813220</td>
<td>Lead Wire</td>
<td>¾ in.</td>
<td>Each</td>
</tr>
</tbody>
</table>

**Monument Spikes**  
Large monument spike ¾ in. square shank. Galvanized with chisel point and button head. Makes ideal bench mark or turning point.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Length</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>813262</td>
<td>6 in. Monument Spike</td>
<td></td>
<td>Each</td>
</tr>
<tr>
<td>813264</td>
<td>8 in. Monument Spike</td>
<td></td>
<td>Each</td>
</tr>
</tbody>
</table>

**Flat Survey Markers**  
Cast from solid brass. Ribbed shank prevents turning or loosening. Non-glare finish, ¼ in. thick top. Shank area 0.4 sq. in., length: 2 in. Units - Each.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Top Diameter</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>813400</td>
<td>Flat Survey Markers</td>
<td>1½ in.</td>
<td>Each</td>
</tr>
<tr>
<td>813403</td>
<td>Flat Survey Markers</td>
<td>2 in.</td>
<td>Each</td>
</tr>
<tr>
<td>813406</td>
<td>Flat Survey Markers</td>
<td>2½ in.</td>
<td>Each</td>
</tr>
<tr>
<td>813408</td>
<td>Flat Survey Markers</td>
<td>3 in.</td>
<td>Each</td>
</tr>
<tr>
<td>813408-SF</td>
<td>Flat Survey Markers</td>
<td>3 in. Satin Finish</td>
<td>Each</td>
</tr>
</tbody>
</table>

**Domed Survey Markers**  
Solid brass with curved heads. Ribbed shank prevents turning or loosening. Shank area: 0.4 sq. in.; shank length: 2 in. Units - Each.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Top Diameter</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>813410</td>
<td>Domed Survey Markers</td>
<td>1½ in.</td>
<td>Each</td>
</tr>
<tr>
<td>813413</td>
<td>Domed Survey Markers</td>
<td>2 in.</td>
<td>Each</td>
</tr>
<tr>
<td>813416</td>
<td>Domed Survey Markers</td>
<td>2½ in.</td>
<td>Each</td>
</tr>
<tr>
<td>813418</td>
<td>Domed Survey Markers</td>
<td>3 in.</td>
<td>Each</td>
</tr>
</tbody>
</table>

**Surveyor’s Flat Shiners**  
Tin, 2¼ in. diameter with center punch and crimped edges. Especially valuable for indicating semi-permanent points with spikes or nails. 3 lb. carton.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Size</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>813430</td>
<td>Flat Shiners</td>
<td>Flat Shiners</td>
<td>Flat Shiners</td>
</tr>
</tbody>
</table>

**Surveyor’s Raised Shiners**  
Tin, 1¼ in. diameter with center punch and crimped edges. Especially valuable for indicating semi-permanent points with spikes or nails. 1 lb. carton. Approximately 250 per box.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Size</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>813431</td>
<td>Raised Shiners</td>
<td>Raised Shiners</td>
<td>Raised Shiners</td>
</tr>
</tbody>
</table>

**Mag Hubs**  
The Mag Hub is magnetized for easy detection and zinc plated to resist corrosion. It has a large center point and is easy to carry. Not for use in concrete or asphalt. 30 lb. box. ¼ in. diameter.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Diameter</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>813351</td>
<td>4 in. Mag Hub Nail</td>
<td>4 in.</td>
<td>Each</td>
</tr>
<tr>
<td>813352</td>
<td>6 in. Mag Hub Nail</td>
<td>6 in.</td>
<td>Each</td>
</tr>
<tr>
<td>813353</td>
<td>8 in. Mag Hub Nail</td>
<td>8 in.</td>
<td>Each</td>
</tr>
</tbody>
</table>
**Plumb Bobs**
Screw caps and hardened steel points with standard threads. Storage space for an extra point inside the cap.

- 812212 12 oz. Plumb Bob
- 812214 14 oz. Plumb Bob
- 812216 16 oz. Plumb Bob
- 812218 18 oz. Plumb Bob
- 812224 24 oz. Plumb Bob
- 812290 Extra Point (fits all listed plumb bobs)
- 812293 Extra Cap (fits all listed plumb bobs)

**Plumb Bob Cords**
Made with the finest quality braided cord.

- 812413 White Poly; 50 yd. Spool
- 812423 Orange Poly, 50 yd. Spool
- 812439 Fluorescent Yellow Poly, 50 yd. Spool
- 812440 Flourescent Red Poly, 50 yd. Spool

**Leather Scabbards**
Rugged leather with stitched and riveted pockets that hold tape or Gammon Reel and a 16 or 18 oz. plumb bob.

- 812365 Leather Scabbard for Gammon Reel and Plumb Bob
- 812350 Belt for Plumb Bob Scabbard
- 812315 Scabbard for 10–14 oz. Plumb Bobs
- 812325 Scabbard for 16–18 oz. Plumb Bobs
- 812335 Scabbard for 24–32 oz. Plumb Bobs

**Tally Register**
Four-digit capacity with quick return to zero.

- 879200 Tally Register

**Gammon Reels**
Handy, retracting plumb bob cord reel means no more winding and no more broken or muddy string. Includes 72 lb. test nylon string that weighs 1½ oz.

- 812448 12 ft. Gammon Reel, Black/Orange
- 812449 12 ft. Gammon Reel, White/Orange
- 812450 6½ ft. Gammon Reel, White/Orange
- 812451 24 yd. Nylon Refill, Red/Orange
- 812452 24 yd. Nylon Refill, Fluorescent Yellow
- 812454 24 yd. Nylon Refill, Fluorescent Red

**Targets**
Available in “Quik-Stik,” plastic and translucent plastic variations.

- 812620 Plastic target notched for attaching to line 2¾ x 4 in., red/white
- 812625 Translucent Plastic target laminated for brilliant illumination and notched for attaching to line 2¾ x 4 in., black/orange
- 812640 Quik-Stik target with paper back that peels off instantly and sticks to any surface 2 x 3½ in. (package of 25)
Axes
813035  Estwing® Hand Axe with Leather Sheath, 1.7 lbs.
813015  Bahco Bush Axe 7¼ in. Swedish Steel Blade, 20 in. Hickory Handle
813016  Bahco Replacement Handle: 20 in.
813017  Bahco Replacement Blade
813019  Hatchet Axe with Leather Sheath (SO)
813005  Hatchet Broad 36 oz. Plumb Axe
813045  Estwing Broad Hatchet, 17 in., 28 oz. (SO)

Hammers
813030  Estwing Hammer: 30 oz.
813065  Estwing Straight Claw Hammer: 16 oz.
813022  Estwing Rock Pick Hammer: 11½ in. Handle, 22 oz.
813023  Sheath for Estwing Rock Pick Hammer
813007  Estwing Long Handle Rock Pick Hammer: 16½ in. Long Handle
813039  Estwing Rock Pick with Leather Wrapped Grip: 13 in. (SO)
813012  Engineering Sledge: 15 in. Handle, 4 lbs.
813013  Engineering Sledge Replacement Handle
813037  Estwing Sledge/Drilling Hammer: 4 lbs.
813038  Estwing Sledge/Drilling Hammer: 3 lbs.
813060  Sledge/Drilling Hammer: 4 lbs., 16 in. Long Handle
813146  Engineer’s Hammer: 48 oz.
813018  Sledge Drill Hammer: 10 in. Handle, 4 lbs.

Chisel
813085  Estwing Concrete Chisel: ½ x 12 in.

Concrete Drill
813089  Concrete Drill: 10 x ¾ in., “V” Edge

Gad
813080  Gad: ¾ x 1¼ x 18 in.

Frost Pin
**Machetes**
- 813171 Collins® 22 in. Machete
- 120124 Seymour® 22 in. Machete
- 813001 Leather Sheath for 22 in. Machete
- 813002 Canvas Sheath for 22 in. Machete

**Ditch Bank Blade**
- 813008 Ditch Bank Blade: 16 in. Blade, 10 in. Handle
- 813009 Replacement Handle

**Bush Hook**
- 813010 Bush Hook: 12 in. Single Edge, 36 in. Handle
- 813011 Replacement Handle

**Manhole Cover Pick**
- 813081 REDTOP Heavy Duty Manhole Cover Pick Diamond Point: 31 in. Long

**Protractor**
- 812911 Small Angle Magnetic Protractor Full-view MONO-VIAL®, dial graduated to 5°; magnetic base and durable Polycast® construction.

**Levels**
- 812910 Line Level: 3 in. Long

**Tool Pouches**
- 818116 7-Pocket Tool Pouch
- 818115 Leather Tool Pouch
**Dixon Redimark® Marker**

Tight-seal, no-roll cap makes marker last longer; stores on base when not in use. Chisel point is ideal for marking on wood, metal, glass, plastic or paper. Aluminum body gives 30% more volume. Sold by the dozen.

- 813471 Black Dixon Felt Tip Marker
- 813472 Red Dixon Felt Tip Marker

**Ideal Mark® Marking Pen**

Industrial-grade marker for surveying and construction layout. Valve action with indelible black ink. Replaceable tip and metal cap with pocket clip. Sold by the dozen.

- 813501 Black Ideal Mark with Replaceable Bullet Tip, Box of 12
- 813502 Red Ideal Mark with Replaceable Bullet Tip, Box of 12
- 813503 Replacement Tip, Bullet Style (12 tips per package)
- 813504 Replacement Tip, Chisel Style (12 tips per package)

**Carbide Point Scribes and Heavy Duty Scribers**

For marking steel, concrete, stone, lumber and almost any other surface.

- 813050 Carbide Point Scribe; 5¼ in.
- 813051 Replacement Scribe Point (6 per package)
- 813053 Premium Scribe; 5 in.
- 813054 Giant Scribe
- 813055 Replacement Tip for 813053/813054 (6 per package)

**Dixon® Lumber Crayons**

For marking steel, concrete, stone, lumber and almost any other surface. Length: 4½ in.; diameter: ½ in. Packed 12 per box; sold by the box.

- 813461 Carbon Black Crayon
- 813462 Yellow Crayon
- 813463 Red Crayon
- 813464 Fluorescent Pink
- 813465 Blue Crayon
- 813467 White Crayon

**Dixon® Wood Crayon Holder**

- 813468 Wood Crayon Holder
Aervoe Marking Paint

Survey Marking Paint
- Aervoe’s Survey Marking Paint offers the best in color visibility and retention, durability, and a lasting mark of up to six months.
- Non-freezing and operational to 14°F.
- Colors are formulated to meet standards set by OSHA and APWA/One Call Systems.
- Mark is visible for up to six months depending on traffic and exposure.
- Adheres to many surfaces including wood, concrete, asphalt, brick and gravel.
- Not recommended for use on turf surfaces.
- 17 oz.

813454  Flo Orange #222
813460  Flo Pink #229

Spray Paint Marking Wand

Lightweight durable steel and plastic construction with a comfortable grip for easy marking.

813958  Marking Wand, 24 in. Handle

Spray Paint Marking Pistol

Use with marking paints for increased accuracy and no mess. Light touch spray control. Easy loading.

813959  Marking Pistol
**Hard Hats**
High-density polymer for excellent protection against severe impact. Molded in one piece with no metal; protects against corrosive materials. Meets ANSI Z89. 1-196 (Class A) — Federal Spec GGG-H-142g. Fits sizes 6⅜ through 8. Weight: 11 oz.

- 813630 Yellow
- 813631 White

**Surveyor's Umbrella**
63 in. spread and 8 ft., 3-section pole with baked aluminum enamel finish.

- 813640 Heavy-drill fabric umbrella; blue and yellow
- 813641 Water resistant vinyl umbrella; yellow with blue logo
- 813642 Replacement Pole for 813640/813641, diameter 1⅛ in. (SO)

**First Aid Kits**
Sokkia Corporation is now offering a new version of First Aid Kits, sized for various work requirements. The Jobsite kit is designed to serve most minor first aid issues for up to 25 people. The Truck kit is designed for up to 10 people.

- 813094 First Aid Kit (Truck)
- 813095 First Aid Kit (Jobsite)

**Class 2 Safety Vests**
Sokkia's Class 2 safety vests come in high-visibility orange or lime green with mesh or solid materials.

- 803000 Class 2 Mesh Vest Lime LG 3 Pockets Velcro
- 803001 Class 2 Mesh Vest Orange LG 3 Pockets Velcro
- 803002 Class 2 Mesh Vest Lime XL 3 Pockets Velcro
- 803003 Class 2 Mesh Vest Orange XL 3 Pockets Velcro
- 803004 Class 2 Mesh Zip Lime LG No Pockets
- 803005 Class 2 Mesh Zip Orange LG No Pockets
- 803006 Class 2 Mesh Zip Lime XL No Pockets
- 803007 Class 2 Mesh Zip Orange XL No Pockets
- 803008 Class 2 Surveyors Vest Lime LG Zip
- 803009 Class 2 Surveyors Vest Orange LG Zip
- 803010 Class 2 Surveyors Vest Lime XL Zip
- 803011 Class 2 Surveyors Vest Orange XL Zip
- 803012 Class 2 Mesh Snap Front 9 Pocket Orange LG
- 803013 Class 2 Mesh Snap Front 9 Pocket Orange XL

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**Important!**
Requirements for work area safety vary from state to state. Please consult your local authorities for details.
## Traffic Cones
High-intensity fluorescent red-orange PVC cone with weighted base for stability.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>813612</td>
<td>12 in. Traffic Cone</td>
</tr>
<tr>
<td>813618</td>
<td>18 in. Traffic Cone</td>
</tr>
<tr>
<td>813619</td>
<td>28 in. Traffic Cone</td>
</tr>
</tbody>
</table>

## Non-Reflective "SURVEY CREW" Sign
Non-reflective, high-visibility orange sign with rib support. Roll-up design for daytime use. Stand sold separately.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>813652</td>
<td>36 in. SURVEY CREW non-reflective sign</td>
</tr>
<tr>
<td>813653</td>
<td>48 in. SURVEY CREW non-reflective sign</td>
</tr>
<tr>
<td>813656</td>
<td>Replacement Rib Set 36 in.</td>
</tr>
<tr>
<td>813657</td>
<td>Replacement Rib Set 48 in.</td>
</tr>
</tbody>
</table>

## Reflexite "SURVEY CREW" Sign
Reflexite Super Bright™ orange sign with rib supports. Roll-up design for day and night visibility. Stand sold separately.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>813654</td>
<td>36 in. SURVEY CREW Reflexite sign (SO)</td>
</tr>
<tr>
<td>813655</td>
<td>48 in. SURVEY CREW Reflexite sign (SO)</td>
</tr>
<tr>
<td>813656</td>
<td>Replacement Rib Set 36 in.</td>
</tr>
<tr>
<td>813657</td>
<td>Replacement Rib Set 48 in.</td>
</tr>
</tbody>
</table>

## Uniflex Screwlock Sign Stand
NCHRP-350 approved design. Single heavy-duty coil spring to hold 36 in. and 48 in. signs. Kick-release adjustable legs for easy setup. Stand only. Sign sold separately.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>813651</td>
<td>Uniflex Screwlock Sign Stand</td>
</tr>
</tbody>
</table>

## T-50 Economy Tripod Sign Stand
NCHRP-350 approved design with roll-up signs on low speed roadways. Holds 36 in. or 48 in. signs. For day and night visibility. Stand only. Sign sold separately.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>813650</td>
<td>T-50 Economy Tripod Sign Stand</td>
</tr>
</tbody>
</table>

## Caution Tape
Caution tape; yellow; 3 mil, 1,000 ft.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>811050</td>
<td>Caution Tape (1 roll)</td>
</tr>
</tbody>
</table>
**Stake Bags**
Sokkia Heavy-Duty Stake Bag made from durable orange material and made to carry 18 in. or 24 in. stakes. These bags are made with a drain hole and an adjustable carrying strap.

- 801055 Heavy-Duty Stake Bag 18 in.
- 801056 Heavy-Duty Stake Bag 24 in.
- 801057 Rhinotek Stake Bag 18 in.

**Lath Bags**
Sokkia Heavy-Duty Lath Bag made from durable orange material and made to carry 36 in. or 48 in. lath. These bags have an adjustable carrying strap.

- 801065 Heavy-Duty Lath Bag 36 in.
- 801066 Heavy-Duty Lath Bag 48 in.

**Carry-All Case**
Sokkia Heavy-Duty Carry all bag will allow you to carry a full size wood tripod and also include an 8 ft. prism pole.

- 801080 Heavy-Duty Accessory Carry-All Case - 58 L x 9¼ D in.

**Prism Bags**
Sokkia Heavy-Duty Prism bags that are padded with thick dense foam and the exterior is made from durable orange material.

- 801070 Heavy-Duty Single Prism Bag, Interior Dimensions - 12 W x 10 L x 4 D in.
- 801071 Heavy-Duty Prism System Bag, Interior Dimensions - 12 W x 18 L x 5 D in.

**Data Collector Cases**
Sokkia Data Collector Carrying Cases

- 559312 SHC2500 Carrying Case
- 559313 SHC250 Carrying Case
- 559314 SHC25/25A Carrying Case
- 559315 SHC236 Carrying Case
- 559316 Mesa Carrying Case
- 804903 Universal Data Collector Case

*All Bags are Made in USA.*