

NEW

Pivot Boom System

**Reduce Wheel Tracking, Runoff
and Surface Soil Compaction**



Senninger®

Senninger Boom System

Lowens Application Intensity

By providing a large area of instantaneous coverage, the Senninger Boom System lowers application intensity. Applying a given amount of water over a larger area allows the soil to absorb it at a slower rate. This preserves the soil structure, reduces soil compaction, soil sealing and runoff.



Constructed primarily of light-weight aluminum structure and tubing, the Senninger boom provides a corrosive-resistant, system ideal for lowering application intensity on overhangs and towers by widening the wetted area.

Features & Benefits

- **Simple, Effective Design** - The 24 ft overall boom length utilizes existing outlets to apply the same amount of water over a wider application area.
- **High Profile Clearance** - Complete boom is level with the top of the mainline, keeping the structure clear of high profile crops like corn and sugar cane.
- **Strength & Durability** - Constructed of strong structural aluminum extruded channel coupled with 1.5" diameter aluminum tubing, cast aluminum saddle with galvanized and stainless steel hardware.
- **Light-weight Design** - Heavy duty construction in a light-weight package, weighs 23 lbs (boom and hardware).
- **Quick and Easy Installation** - Components are pre-cut, pre-drilled and packaged with step-by-step instructions. Installs using readily available tools.
- **Mounting Options** - Boom system is compatible with various diameter mainlines. Locking pins allow versatility of adjusting boom angle. Designed specifically for use on overhangs and towers.
- **Uniquely Designed Components** - Specifically for this application. Patented thermoplastic double gooseneck and hinged hose holder are warranted for two years. Channel and tubular suspension arms provide lightweight strength and durability. Galvanized, stainless steel and aluminum hardware and components combat corrosion.



(above) The Senninger Double Barb Gooseneck attaches to the 3/4" x 4" galvanized nipple through a pre-drilled hole in the aluminum channel into an existing outlet.

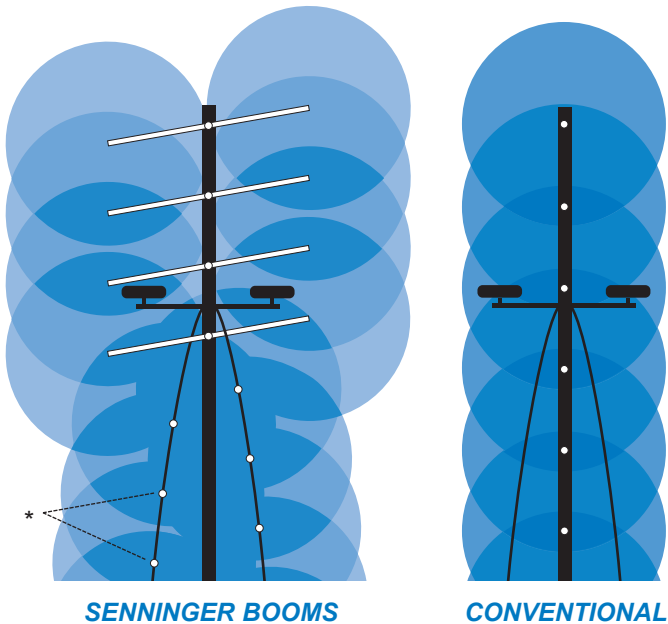


(above and right) The Senninger Hinged Hose Holder clasps around the flexible hose and snaps into the aluminum tubing to protect it from kinking and wear.



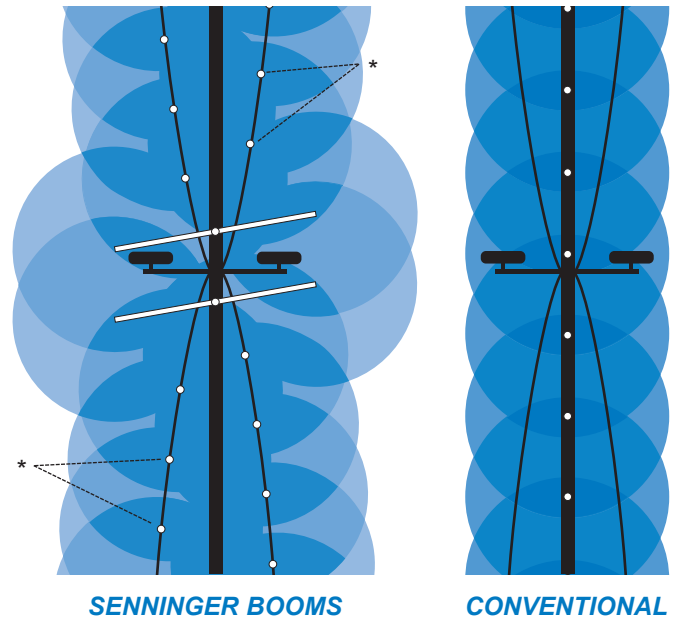
Lowers Application Intensity by Widening the Instantaneous Application Area

OVERHANG



The number of Boom Systems needed on the overhang will vary based on overhang length.

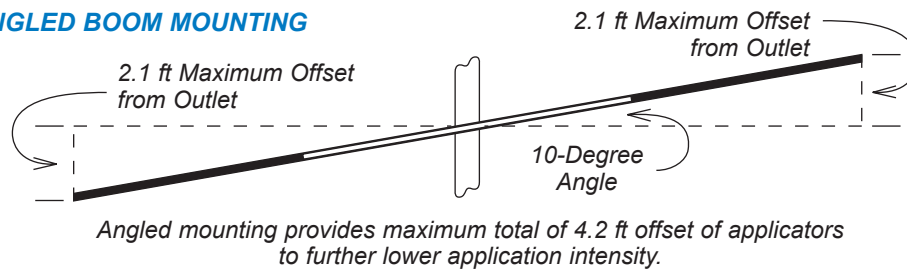
TOWER



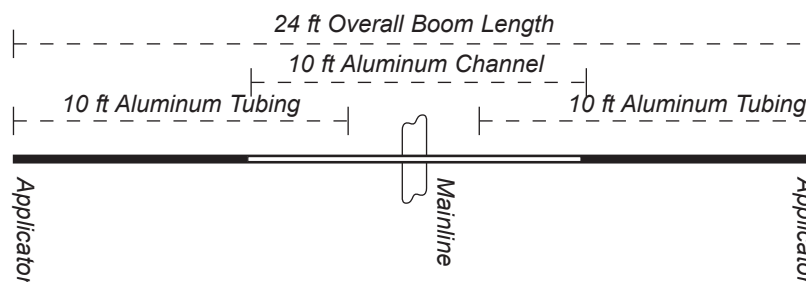
Booms installed at the towers help reduce rutting.

* Illustrations above indicate use of Senninger Truss Rod Hose Slings to widen wetted area along the length of the pivot.

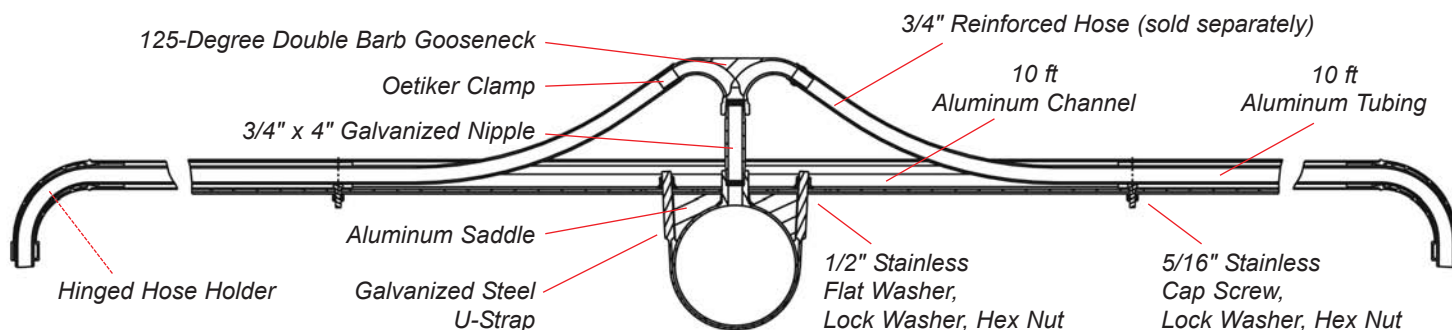
OVERHEAD VIEW: ANGLED BOOM MOUNTING



OVERHEAD VIEW: PERPENDICULAR BOOM MOUNTING



Components & Installation



Boom Package Components

- 10-ft Aluminum Channel (1)
- 10-ft Section 1.5\" Aluminum Tubing (2)

- Aluminum Saddle, choice of 4\", 5\", 5-9/16\", 6\", 6-5/8\", 8\" or 8-5/8\" (1)
- Galvanized Steel U-Strap, choice of 4\", 5\", 5-9/16\", 6\", 6-5/8\", 8\" or 8-5/8\" (1)
- 3/4\" X 4\" Nipple, galvanized (1)
- 125-Degree Double Barb Gooseneck, thermoplastic (1)
- Hinged Hose Holder (2)

Plus Hardware:

- 5/16\"x1\" Stainless Hex Head Cap Screw (2)
- 5/16\" Stainless Lock Washer (2)
- 5/16\" Stainless Hex Nut (2)
- 1/2\" Stainless Flat Washer (2)
- 1/2\" Stainless Lock Washer (2)
- 1/2\" Stainless Hex Nut (2)
- 1/8\" Alignment Pin (2)
- Oetiker Hose Clamp (2)

*Boom System does not include
3/4\" reinforced hose.*

Tools needed (*not provided*): 1/2\" Wrench;
3/4\" Deep Socket & Ratchet Wrench;
Hose Cutter; Hammer; Channel Locks;
Hose Clamp Crimping Tool; Level

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Installation Guidelines

- 1) Place aluminum channel on supports with open side up. Slide aluminum tubes inside channel and align hole on each tube with holes in the channel.
- 2) Insert one 5/16\" x 1\" stainless steel cap screw from inside tube through channel. Add lock washer and nut. Repeat on other tube. Tighten both nuts securely with 1/2\" wrench.
- 3) Slide 3/4\" flexible hose through tube, leaving one end about 6\" past the middle and the other end hanging out the far end about 10' (*depending on desired height of applicator*). Repeat hose insertion on other side.
- 4) At the far end of aluminum tube, lock plastic 90-degree hinged hose holder around flexible hose. Insert larger end into the tube, rotating until buttons lock in place, being sure the hose hangs down. Repeat at other end of the metal tube.
- 5) Up on the pivot mainline, remove anything from the outlet selected for boom placement. Assure 3/4\" pipe threads are clean.
- 6) Place the proper size aluminum pipe saddle over the outlet.
- 7) Place pipe strap under mainline and up around the saddle.
- 8) Raise the prepared boom assembly up over the mainline and set onto the saddle, with the center hole directly over outlet in the mainline.
- 9) Place 1/2\" flat washer, lock washer and nut onto each leg of the pipe strap. Snug down nuts, but do not tighten.
- 10) Install threaded pipe nipple into outlet on mainline and tighten.
- 11) If boom alignment is to be other than perpendicular to the mainline, angle the boom as desired and drive both 1/8\" locking pins into place, forcing knurled end into saddle.
- 12) While constantly checking the levelness of the boom, tighten the pipe strap nuts very snugly with 3/4\" deep socket and ratchet wrench.
- 13) Attach Senninger 125-degree Double Barb Gooseneck onto pipe nipple. Tighten snugly.
- 14) Attach drop hoses to gooseneck. Secure with hose clamps.
- 15) Attach applicators to flexible hose ends at uniform desired height from the ground.