



- 01 **High Profile Clearance:** The complete boom is level with the top of the mainline.
- 02 **Quick and Easy Installation:** Components are pre-cut, pre-drilled and packaged with step-by-step instructions. No special tools required.
- 03 **Lightweight Design:** Heavy duty construction. 23 lbs. (10.43 kg)

PIVOT BOOM SYSTEM

Lower application intensity, reduce wheel tracking, minimize runoff and surface soil compaction.

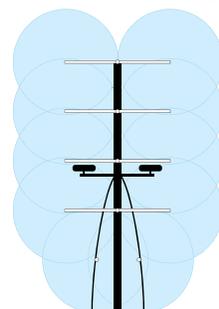
The pivot boom system is ideal for lowering application intensity on overhangs and at towers by widening the wetted area. This allows more time for water to infiltrate the soil.

FEATURES

- **Uniquely Designed Components-** Channel and tubular suspension arms provide lightweight strength and durability. Galvanized, stainless steel and aluminum hardware and components combat corrosion.
- **Simple, Effective Design-** The 24 ft (7.3 m) overall boom length utilizes existing outlets to apply the same amount of water over a wider area.
- **Strength and Durability-** Constructed from strong structural aluminum, extruded channel coupled with 1.5" diameter aluminum tubing, cast aluminum saddle with galvanized, and stainless steel hardware. Thermoplastic double gooseneck and hinged hose holder.
- **Mounting Options-** The boom system is compatible with various diameter mainlines. Locking pins allow for versatility of adjusting boom angle. Designed specifically for use on overhangs and at towers.

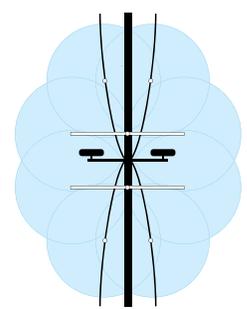
FOOTPRINT OVERVIEW

Booms on Overhang



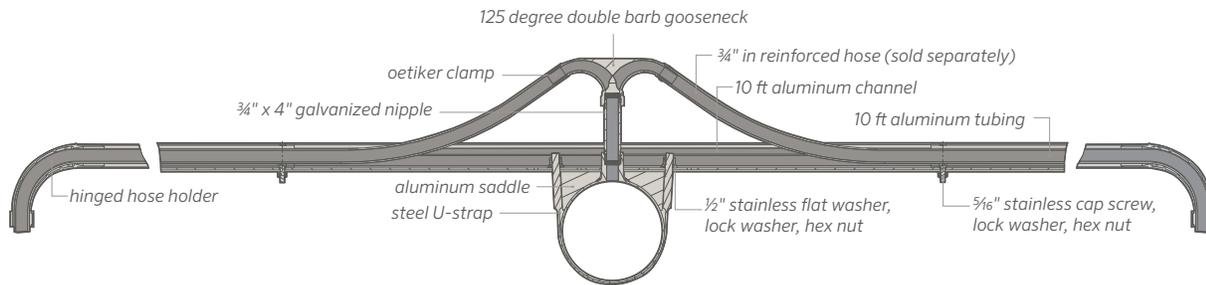
The number of Boom Systems needed on the overhang will vary based on overhang length, system design and management practice.

Booms at Pivot Tower



Booms installed at the towers and on overhangs help reduce wheel tracking regardless of pivot travel direction.

COMPONENTS & INSTALLATION



BOOM SYSTEM ASSEMBLY

- 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.
- Insert one $\frac{5}{16}$ " 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 $\frac{1}{2}$ " wrench.
- Slide $\frac{3}{4}$ " flexible hose through tube, leaving one end about 6 inches (0.15) past the middle and the other end hanging out the far end about 10 ft. (3.05 m) - depending on desired height of applicator. Repeat hose insertion on other side.
- 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.
- Up on the pivot mainline, remove anything from the outlet selected for boom placement. Assure $\frac{3}{4}$ " pipe threads are clean.
- Place the proper size aluminum pipe saddle over the outlet.
- Place pipe strap under mainline and up around the saddle.
- Raise the prepared boom assembly up over the mainline and set onto the saddle, with the center hole directly over outlet in the mainline.
- Place $\frac{1}{2}$ " flat washer, lock washer and nut onto each leg of the pipe strap. Snug down nuts, but do not tighten.
- Install threaded pipe nipple into outlet on mainline and tighten.
- If boom alignment is to be other than perpendicular to the mainline, angle the boom as desired and drive both $\frac{1}{8}$ " locking pins into place, forcing knurled end into saddle.
- While constantly checking the levelness of the boom, tighten the pipe strap nuts very snugly with $\frac{3}{4}$ " deep socket and ratchet wrench.
- Attach Senninger 125-degree double gooseneck onto pipe nipple. Tighten snugly.
- Attach drop hoses to gooseneck. Secure with hose clamps.
- Attach applicators to flexible hose ends at uniform desired height from the ground.

Boom System **does not include**: $\frac{3}{4}$ " reinforced hose, applicators, pressure regulators or drop hose fittings.

Tools needed: (not provided): $\frac{1}{2}$ " wrench; $\frac{3}{4}$ " deep socket & ratchet wrench; hose cutter; hammer; channel locks; hose clamp crimping tool; level

COMPONENTS

Complete Pivot Boom System Assembly include the ***Aluminum Channel and Tubing Kit** and choice of one ****Hardware Kit** based on pipe size. $\frac{3}{4}$ " reinforced hose sold separately.

PRODUCT	DESCRIPTION
Model #	*ALUMINUM CHANNEL AND TUBING KIT
PBS104	Aluminum Channel & Tubing Kit: (1) 10 ft. (3.1m) channel, aluminum; (2) 10 ft. (3.1m) x 1.5" tubing, aluminum

**HARDWARE KITS	
PBS501	Pivot Boom Hardware for 4" pipe
PBS502	Pivot Boom Hardware for 5" pipe
PBS503	Pivot Boom Hardware for 5 $\frac{5}{8}$ " pipe
PBS504	Pivot Boom Hardware for 6" pipe
PBS505	Pivot Boom Hardware for 6 $\frac{3}{8}$ " pipe
PBS506	Pivot Boom Hardware for 8" pipe
PBS507	Pivot Boom Hardware for 8 $\frac{3}{8}$ " pipe

PIVOT BOOM HARDWARE KIT INCLUDES:

1	Pipe Saddle, aluminum
1	U-Strap, galvanized steel
1	$\frac{3}{4}$ " x 4" Nipple, galvanized
1	125-Degree Double Barb Gooseneck, thermoplastic
2	$\frac{5}{16}$ " x 1" Hex Head Cap Screw, stainless steel
2	$\frac{5}{16}$ " x Lock Washer, stainless steel
2	$\frac{5}{16}$ " Hex Nut, stainless steel
2	$\frac{1}{2}$ " Flat Washer, stainless steel
2	$\frac{1}{2}$ " Lock Washer, stainless steel
2	$\frac{1}{2}$ " Hex Nut, stainless steel
2	$\frac{1}{8}$ " Alignment Drive Pin, stainless steel
2	Oetiker Hose Clamps
2	90-Degree Hinged Hose Holder, thermoplastic



The Senninger double gooseneck attaches to the $\frac{3}{4}$ " x 4" galvanized nipple through a pre-drilled hole in the aluminum channel and into an existing outlet.



The hinged hose holder clasps around the flexible hose and snaps into the aluminum tubing to protect it from pulling, kinking and wear.

Website senninger.com | Customer Support 407-877-5655

Senninger's commitment to world-class products, local support and technical expertise ensure we provide the most efficient and reliable agricultural irrigation solutions available in the world today.

Steve Abernethy

Steve Abernethy, President of Senninger Irrigation