



# ANGLE ADAPTER 1

## DESCRIPTION

- Designed for standing seam metal roofs
- Can accommodate up to 120-degree roof taper from eave
- Fastens to Utility Clamp-on (Sold Separately). Utility Clamp-on available for rib types including: Double Lock, Single Lock, Snap Lock (see Utility Clamp-on product data sheet)
- Designed for 1.0 inch OD tube
- Ice Flags (recommended)
- Can be powder coated to match roofing material color
- Overall Dimensions: 4.85"L X 2.46"W X 1.78"H



## MATERIALS

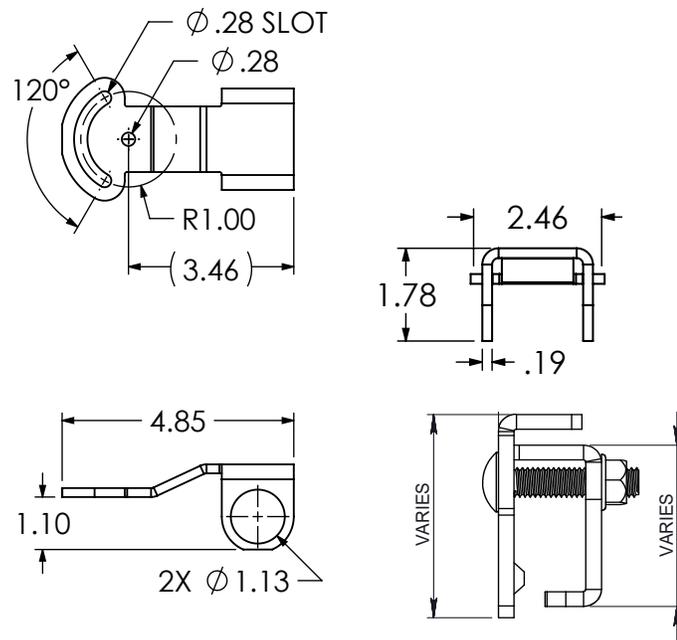
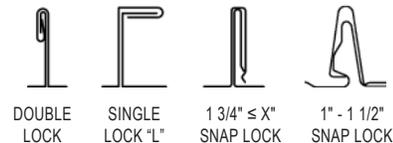
- Steel: 3/16" (ASTM A36)

## COLORS/FINISHES

- Uncoated Steel
- Zinc Coated
- Powder coating available in many colors visit <http://trasnowandsun.com/color-chart/> to see color chart

**NOTE:** Due to specific job conditions, TRA Snow and Sun will only warranty a snow retention system/layout that has been designed by TRA Snow and Sun.

## 1 RAIL STANDING SEAM SNOW FENCE USED ON: STANDING SEAM METAL



**DIMENSIONS**  
DO NOT SCALE

PLACE COLLAR(S) INSIDE OF THE TUBE(S) MUST NOT EXTEND MORE THAN 6" PAST THE FINAL MOUNT MOUNT AT THE END OF EACH FENCE SECTION. TORQUE SET SCREW(S) TO 5 lb-ft

ANGLE ADAPTER: TORQUE 1/4-20 BOLTS TO 8 lb-ft.

CLAMP: TORQUE THE 3/8-16 NUTS TO 30 lb-ft.

## INSTALLATION:

Clamp the utility clamp-on to the standing seam rib using a torque wrench, applying 30 lb-ft of torque to each 3/8"-16 nut. Mount the angle adapter onto the mounting surface of the utility clamp-on, applying 8 lb-ft of torque to each 1/4"-20 bolt. Ensure that fence tubes do not extend more than 6 inches beyond the final mount. Place collars inside the mount at the end of each fence section, sliding each collar tight against the first fence bracket. Using the appropriate hex tool, tighten each set screw to 5 lb-ft and repeat for every collar. Insert end caps into each tube end. For specific engineering details and placement assistance, contact TRA Snow & Sun at (801) 756-8666.

**SNOW RETENTION SYSTEMS**