

# **TOOLS NEEDED**

**CORDLESS DRILL**

**3/8" DRILL BIT**

**3/8" NUT DRIVER FOR DRILL**

**9/16" WRENCH**

**9/16" SOCKET**

**RATCHET**

**TAPE MEASURE**

**DUCT TAPE**

**OR**

**SILICONE**

***Help Line: 1-306-778-3338***

# TELESCOPING GrainAir TUBES

## INSTRUCTIONS

### **Parts in Box:**

GrainAir Tubes

Self-tapping screws

Extend GrainAir Tubes to length needed. For ease of installation 2-3 sections of the tubes can be extended and fastened together on the ground before installing them in the bin. For best fit the final section of the tube can be fastened together inside the bin.

Use a minimum of 6 self-tapping screws, evenly spaced, to secure Tubes at the top 2-1/2" steel band on the outside of the Tube.

Locate the bottom of the inside Tube - this can be seen through the perforations of the Tube if it is not fully extended.

Use a minimum of 6 self-tapping screws, evenly spaced, to secure Tube into the 2-1/2" steel band at the top of the inside Tube.

**RECOMMEND:** A wrap of duct tape or a bead of silicone to seal the top of each band of the outside Tube to prevent fine grains from entering the GrainAir Tube.

**NOTE:** Failure to screw the inside Tube band and the outside Tube band together with at each connection with a minimum of 6 self-tapping screws may cause damage to the GrainAir Tube due to side pressure on the Tube from grain flow.

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# CAP ASSEMBLY

## INSTRUCTIONS

### Parts in Box:

- 1-Cap
- 4-V-Brackets
- 4-L-Brackets with Chain
- 1-package 3/8x1" Short nuts, bolts, washers
- 1-package 2" Long nuts, bolts, washers

### STEP 1:

Attach V-Brackets to GrainAir Tube with 3/8x1" Short Bolts spaced evenly around Tube, as shown in DETAIL A.

### STEP 2:

Set Cap onto V-Brackets as shown in DETAIL C.

### STEP 3:

Align L-Brackets with Chains with V-Brackets under Cap and secure with 3/8x1" Short Bolts to V-Brackets, as shown in DETAIL D.

2" Long Bolts, nuts and washers are used to fasten Chain to outside of roof ring. Drill holes for support chains to the strongest part of the cap ring. The GrainAir Tube Cap should sit 12" to 18" below the bin lid.

### CRITICAL:

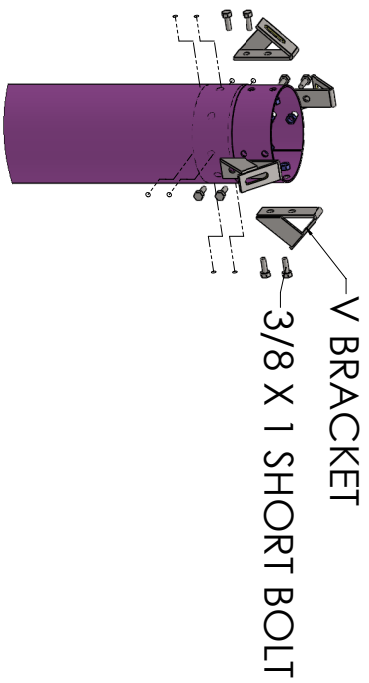
Chain end of L-Bracket **MUST** be **UP**, reaching for the top point of Cap. Please see DETAIL D.

### NOTE:

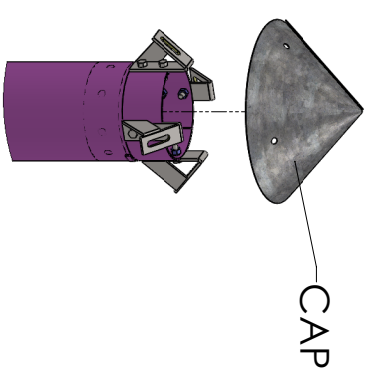
Bins with a single roof ring may need another roof ring added for extra strength.

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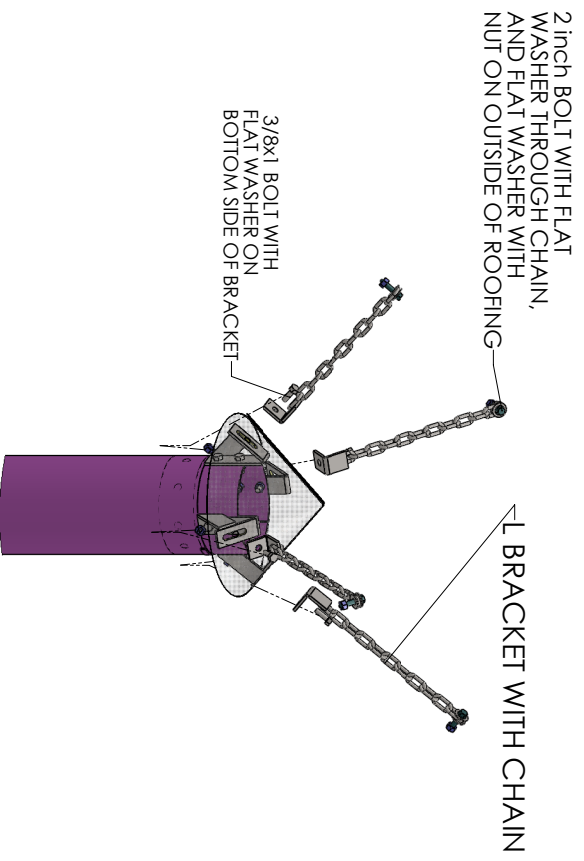
# CAP ASSEMBLY - 1



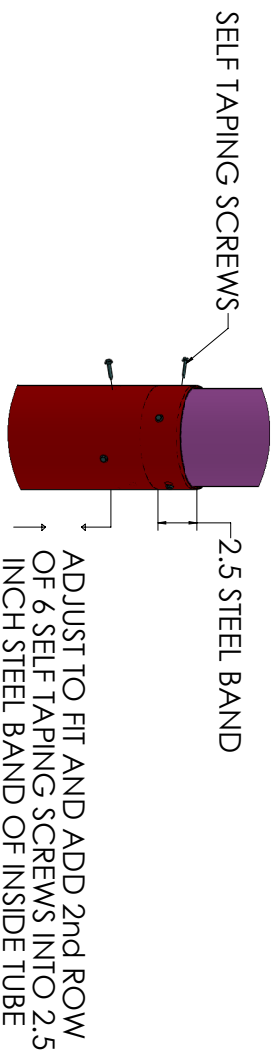
# CAP ASSEMBLY -2



# DETAIL A CAP ASSEMBLY - 3



# SECURING TELESCOPING GRAINAIR TUBES- 1



# FSB100-Free Standing Base

## INSTRUCTIONS

TO BE USED FOR SHEDS, QUONSETS, GRAIN PILES AND  
TEMPORARY GRAIN RINGS

### **Parts in Box:**

1-FSB100-Free Standing Base, FSB Plate 1 and FSB Plate 2

1-package self-tapping screws

1-package 3/8x1" nuts, bolts, washers

### **STEP 1:**

Secure FSB Plate1 and FSB Tube Plate 2 with 3/8 x 1" Bolts  
as shown in Step 1.

### **STEP 2:**

Secure FSB100 by pegging it to the ground or by using sandbags as  
needed.

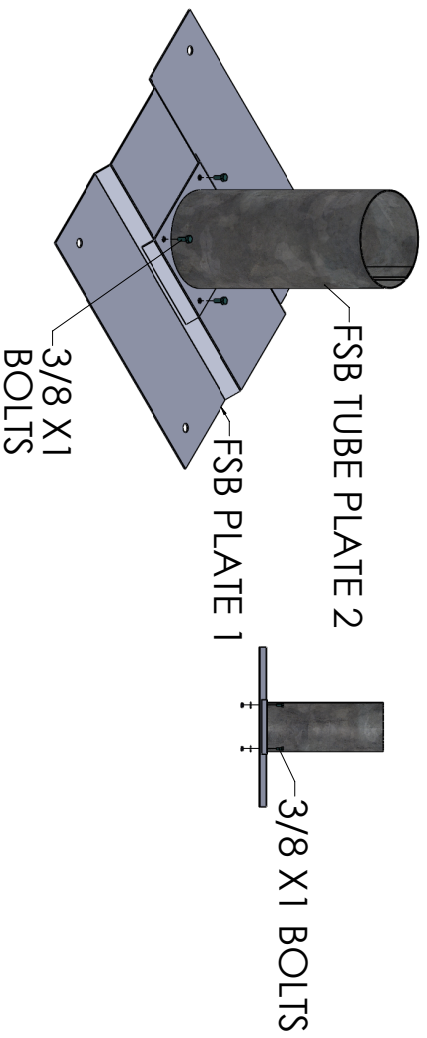
### **STEP 3:**

Slide assembled GrainAir Tube OVER FSB100 Base as shown in Step 2,  
DETAIL E.

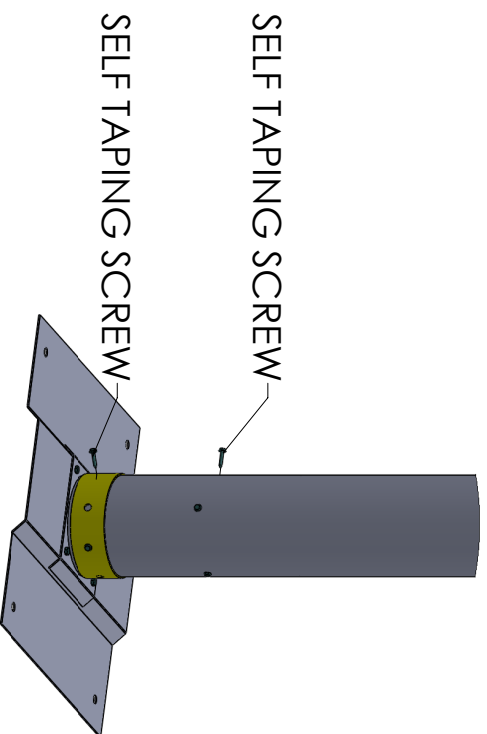
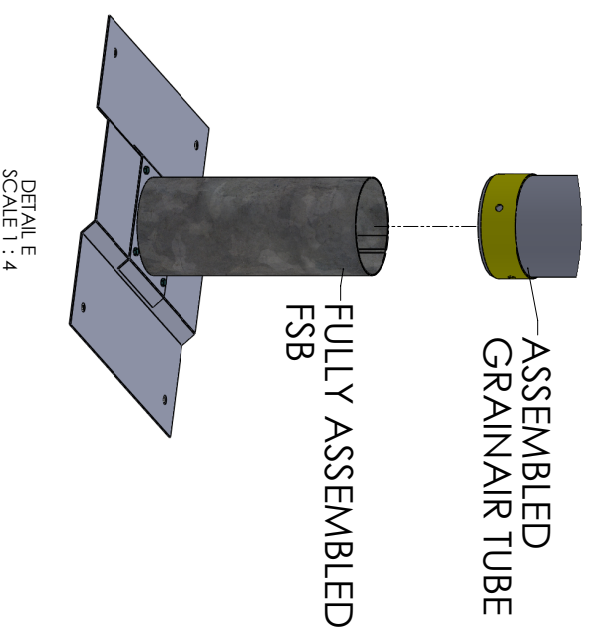
Secure assembled GrainAir Tube to the Base with self-tapping screws  
as shown in Step 3, DETAIL F.

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FSB 100- FREE STANDING BASE - 1      FSB 100- FREE STANDING BASE - 2



FSB 100- FREE STANDING BASE- 3



DETAIL F  
SCALE 1 : 4

DETAIL E  
SCALE 1 : 4

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# Grain Rings

## INSTRUCTIONS

### **STEP 1:**

Extend and secure GrainAir Tube to proper height for the Grain Ring. See Chart on next page and **Instructions for Telescoping GrainAir Tubes**.

### **STEP 2:**

Put on Tarp Hoop and cover with a bag or sack to prevent grain from spilling into GrainAir Tube.

### **STEP 3:**

Slide assembled GrainAir Tube onto FSB100-Free Standing Base and secure to Base. See **Instructions for FSB100**.

### **STEP 4:**

Position the assembled GrainAir Tube onto Base in the center of Grain Ring and secure as needed, by pegging or with sand bags.

### **STEP 5:**

Fill Grain Ring.

### **STEP 6:**

Remove bag or sack that is covering Tarp Hoop.

### **STEP 7:**

Install tarp with Vent Hood placed over GrainAir Tube for proper ventilation.

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<b>Diameter of Grain Ring (Feet)</b>	<b>Bushels</b>	<b>Height Above Grain Ring*</b>
22	1800	6'1"
27	2500	7'3"
29	3000	7'9"
34	4000	8'11"
39	5900	10'1"
44	7700	11'3"
50	10500	12'8"
60	16500	15'
75	29000	18'5"
90	46500	21'11"
105	69500	25'5"

\*Plus Height of Side Wall

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