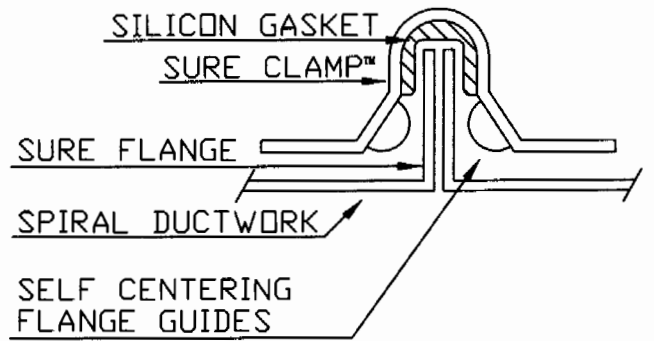
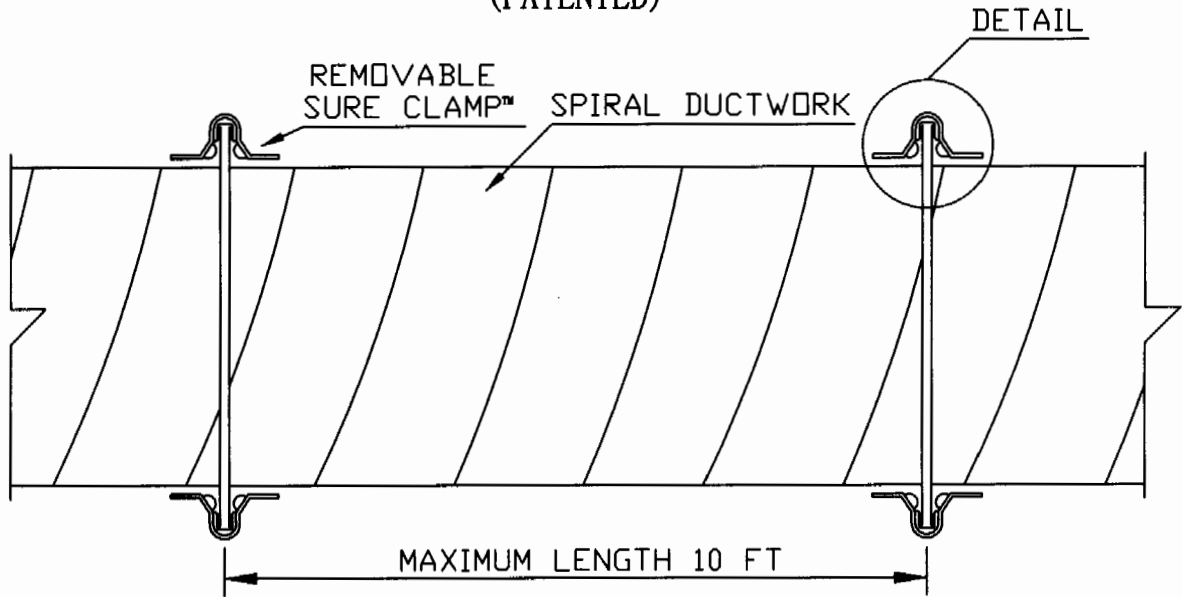
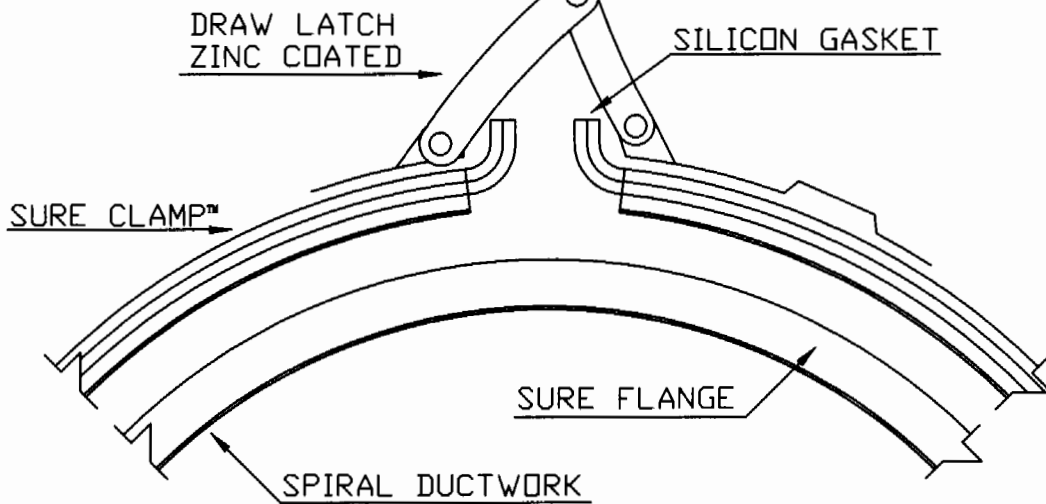


SURE • CLAMP™

(PATENTED)



SURE CLAMP™
DETAIL



SURE CLAMP™
DRAW LATCH
DETAIL

Sure Clamp Spiral Galvanized Specifications

A. General : Fabricate single wall ducts, elbows, transitions, offsets, branch connections, and other construction according to SMACNA's "HVAC Duct Construction Standards - Metal and Flexible" and complying with requirements for metal thickness and minimum gauge as shown, reinforcing types and intervals, and joint intervals per static pressure class indicated.

1. Lengths : Fabricate round ducts in lengths appropriate to reinforcement and rigidity class required for pressure class. 10'-0" maximum lengths
2. Deflection : Duct systems shall not exceed deflection limits according to SMACNA's "HVAC Duct Construction Standards - Metal and Flexible".
3. Round Fittings : Fabricate fittings to match adjoining ducts, and to comply with duct requirements as applicable to fittings. Provide fitting types as indicated on drawings.
4. Round Elbows : Except as otherwise indicated, fabricate elbows with center-line radius equal to 1-1/2 times associated duct width. Where installation requirements prevent the use of fitting types indicated on the drawings and/or with center-line radius equal to 1-1/2 times the duct width, provide center-line radius equal to 1 times the duct width.
5. Ductwork leakage rates not to exceed 2 cfm per 100 square feet with three transverse connection at 20" W.G. negative pressure.

B. Material :

1. Galvanized ASTM A527

C. Minimum Ductwork and Fittings Gauge (20" W.G. negative pressure) :

1. 22 GA 4" to 12" diameter, 20 GA 13" to 22" diameter.

D. Longitudinal Seams :

1. Ductwork Seams : (RL-1) Spiral Seam
2. Fittings Seams : (RL-3) Lap and spot weld on 2" interval
3. Seal seams in accordance with SMACNA's HVAC Duct Construction Standard - Metal and Flexible.

E. Transverse Joints: Integral flange ductwork system

1. Manufacturer :

Langdon Inc.
9865 Wayne Ave Cincinnati, Ohio 45215
Phone (513)733-5955 ext.238 Fax (513)733-8050
www.langdonsheetmetal.com
Attn. : Joe Sandman. Mobile # 513-678-6825

- a. Sure-Clamp Spiral, even and odd sizes 4" diameter to 22" diameter.
- b. Connection : 90 degree continuous machine formed ductwork flange.
- c. Clamps : Galvanized with zinc coated draw latch and self centering flange guides. Gasket profile forms to the inside of clamp, sealing the outer edges of the ductwork flange.
- d. Clamp Gauge : 22 GA 4" diameter. 20 GA 5" to 22" diameter.
- e. Gasket : Red silicone sponge gasket. Temperature range : -40 F to +400 F