

# UNIVERSAL BEAM CLAMP

## » 550-E SERIES

## TouchDown™ Beam Clamp

### SPECIFICATION

Sioux Chief 550-E series TouchDown Beam Clamps shall be used indoors where necessary to secure or suspend pipe or conduit from ¼" CTS to 2" IPS wherever steel I-beams or steel truss members are used. Touchdown clamp shall provide variable clamping tension allowing for thermal expansion and contraction. Clamp can be installed to run pipe perpendicular or parallel to the steel I-beam or steel truss member. Touchdown clamp shall be corrosion proof.

### INSTALLATION

Hammer metal clamp onto steel I-beam or steel truss member. Orient the plastic clamp to the direction that pipe or conduit is to run. Place pipe in base of clamp and ratchet bridge evenly to secure pipe.

Smaller clamp is pre-assembled with tri-grip rivet that pivots for either horizontal or vertical installations. Larger clamp must be assembled by installer per instruction sheet provided.

### MATERIALS

**Nylon (black):** Nylon 66, UL94 V-2

**E84 Plenum Safe™** (orange): Polyvinylidene fluoride (PVDF), ASTM E84 25/50 & UL94 V-0

**Metal beam clamp:** 18 ga. spring steel

**Rivet:** ⅛" tri-grip, aluminum

**Washer:** #6, zinc-plated

**Screw:** ¼" × ⅝" machine screw, zinc-plated

### MAXIMUM SAFE LOAD

**Nylon (black):** 75-lbs.

**E84 Plenum Safe™** (orange): 25-lbs.

**Metal beam clamp:** 200-lbs. (static)

### MAXIMUM TEMPERATURE

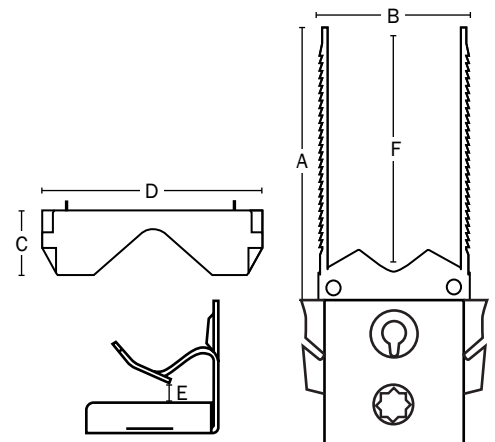
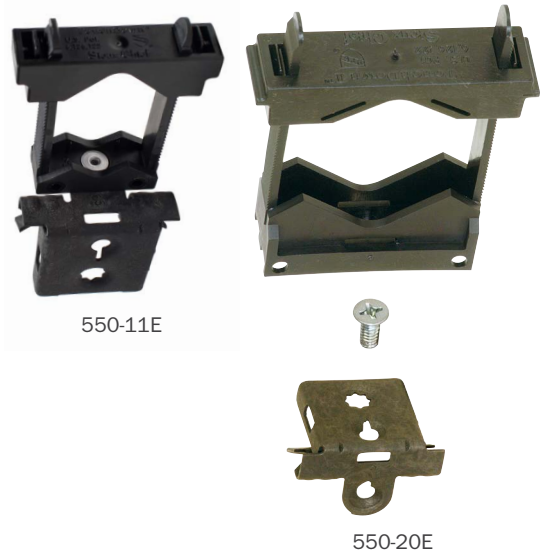
**Nylon (black):** 220°F

**E84 Plenum Safe™** (orange): 140°F

### DIMENSIONS

|                                | 550-11E                            | 550-20E                              |
|--------------------------------|------------------------------------|--------------------------------------|
| <b>A:</b> Clamp height         | 2.36"                              | 3.99"                                |
| <b>B:</b> Clamp width          | 1.37"                              | 2.55"                                |
| <b>C:</b> Bridge height        | .57"                               | 0.67"                                |
| <b>D:</b> Bridge Width         | 2.02"                              | 3.41"                                |
| <b>E:</b> Metal clamping range | ⅝" — ½"                            | ⅝" — ½"                              |
| <b>F:</b> Clamping range       | .375" — 1.12"<br>(¼" CTS — 1" CTS) | 0.625" — 2.375"<br>(½" CTS — 2" IPS) |

|                  |                 |
|------------------|-----------------|
| ITEM # SUBMITTED | _____           |
| JOB NAME         | _____           |
| LOCATION         | _____           |
| ENGINEER         | _____           |
| CONTRACTOR       | _____           |
| PO#              | _____ TAG _____ |



Made in USA

### Create Item Number

#### 550-ABE

e.g. **550-20E:** Black Nylon TouchDown II Beam Clamp

#### MATERIAL A

— = Black nylon (dash)

**F** = Polyvinylidene fluoride

#### CLAMP SIZE B

**11** = ¼" — 1" CTS

**20** = ½" CTS — 2" IPS