PAGE 1: GENERAL INFORMATION

**MOUNTING: Select Configuration**

- 4 INCH BUMPER

**CLAMPING: Determine Best Method**

(Use Both if Possible)

**MARKING AND DRILLING HOLES: Use Oil and Drill Slowly to Keep Bits Cool and Sharp!**

To Install Using SELF-TAPPING Bolts

**OTHER INFORMATION**

Bumper Preloading

Recommended, optional step that can be used to square-up out-of-square or dropping bumpers.

See Image 1 at left. Mount SafetyStruts™ bracket using only Mounting Hole 1; do not drill other holes yet. Position a jack under the Jack Knob as indicated by the blue arrow at left and jack up the SafetyStruts™ bracket until the bumper seats itself in the bracket. Drill Mounting Holes 2 and 3, insert and tighten all fasteners. Remove jack once all fasteners have tightened.

**Bolt Identification**

- **Self-Tapping Bolts**
  - Rounded Triangular Tip
  - No Markings on Head

- **Standard Bolts**
  - Round Tip
  - 3 Lines on Head

- **Self-Drilling Bolts**
  - Sharp Drill Tip
  - No Markings on Head

**Visit www.mount-n-lock.com/installs for full-size instructions.**

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**PLEASE READ & UNDERSTAND THIS ENTIRE GUIDE BEFORE STARTING INSTALLATION**

SNU-HD: Use Included 17/64” (Short) & 5/16” (Long) Drill Bits As Shown In This Guide For Your Frame Type

See Yellow Boxes For Max Torque When Tightening Bolts

Self-Tapping Bolts Will Thread Into Nuts a Little Tighter

D-Washers Are For Shimming - Do Not Use Otherwise

Only Use the Fasteners That Are Supplied with Product

Using a Skinner Power Drill May Make Installation Easier

Clamp as Shown and Use SafetyStruts™ as Drill Guide

Mount SafetyStruts™ To Either Side Of Your Frame Rails

SafetyStruts™ Maximum Cargo Load of 400 Pound-Feet

SSN-HD: Includes:
- 6 Self-Tapping Bolts
- 6 Flanged Locknuts
- 6 Standoff Spacers
- 6 Standard Bolts
- 2 Steel Brackets
- 8 D-Washers
- 4 Small Bolts
- 4 Small Nuts
- 1 Nut Driver

**SNU-HD SafetyStruts™ Heavy Duty Universal Bumper Brackets**

**SSN-HD SafetyStruts™ Heavy Duty Standard Bumper Brackets**

**mount-n-lock.com**

**Haul It All!**

SSLN-HD Includes:
- 6 Self-Dizzling Bolts
- 2 Steel Brackets
- 8 D-Washers
- 4 Small Bolts
- 4 Small Nuts
- 1 Nut Driver

**Bolt Identification**

- **Clamp to Bumper**
- **Clamp to Frame**
- **Bar Clamp**
- **Spacer Bar (in use)**
SNU-HD ONLY: SHORT I-BEAM (Less Than 6" Tall) & DOUBLE-CHANNEL FRAMES - See Page 1 for detailed mounting instructions using Standoff Spacers.

Frame: Less than 6-inch Tall I-Beam or Double-Channel
Obstructions: Frame Flanges
Mounting Method: Fasten Standoff Spacers to SafetyStruts™ using long bolts and fasten Standoff Spacers to frame using short bolts through 5/16" holes drilled into frame.

Frame: Less than 6-inch Tall I-Beam or Double-Channel
Obstructions: Frame Flanges and Bolted Corner Braces
Mounting Method: Same method as shown at left except use D Washers to shim between SafetyStruts™ and Standoff Spacers as shown here.

SSN-HD or SNU-HD: TUBE FRAMES - See Page 1 for detailed mounting instructions. Self-Drilling Bolts do not require pilot holes.

Frame: Tube
Obstructions: None
Mounting Method: Screw self-tapping bolts into 17/64" pilot holes drilled into frame’s Sidewall as shown here.

Frame: Tube
Obstructions: Welded Corner Braces
Mounting Method: Same method as shown at left except use flat washers to shim between SafetyStruts™ and frame as shown here.

SSN-HD or SNU-HD: TALL I-BEAM AND S-BEAM FRAMES - See Page 1 for detailed mounting instructions. SSN-HD does not need Pilot Holes for Self-Drilling Bolts.

Frame: 6-inch or Taller I-Beam or S-Beam
Obstructions: I-Beam: None, S-Beam: Bolts
Mounting Method: Fasten SafetyStruts™ to frame using provided bolts and Lock nuts.

Frame: 6-inch or Taller I-Beam
Obstructions: Bolted Corner Braces
Mounting Method: Same method as shown at left except use flat washers to shim between SafetyStruts™ and frame’s sidewall as shown here.

Minnie Winnie/Micro Winnie 2-Bolt Frame Mount: Reinforcement Plates Needed for Proper Support of These Bumper Frame Extensions. Contact Us for Information.