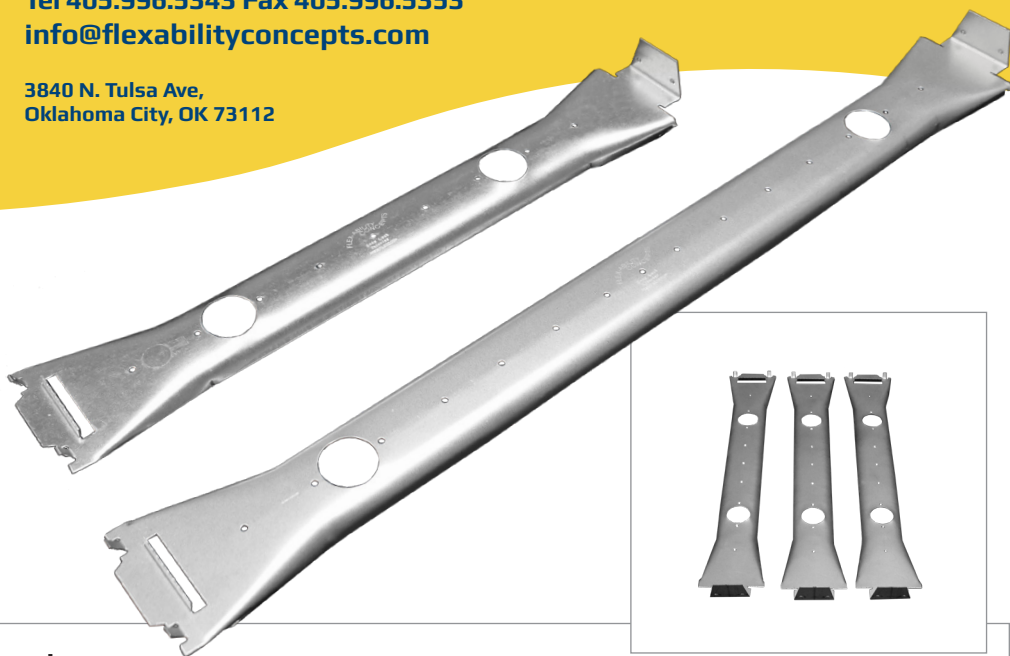
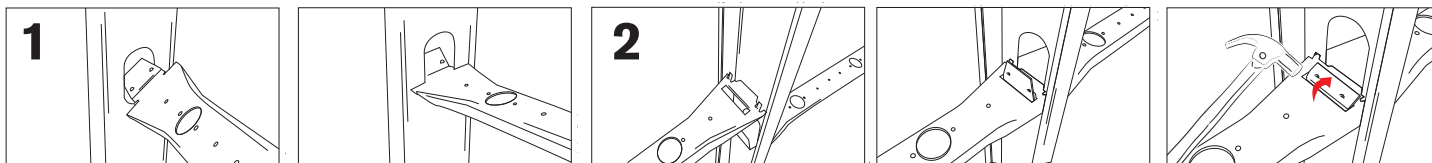


INTRODUCING SNAP LOCK



Create strong studs using these easy steps:

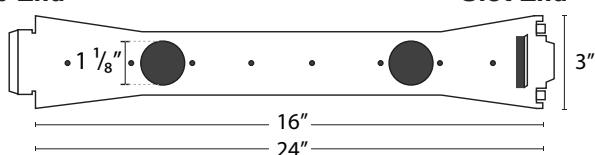
For maximum speed and efficiency, install Snap Lock as studs are being stood into place to achieve a 16" or 24" layout. Next, fasten the top and bottom of the studs.



OPTIONAL

Tab End

Slot End



Length	Gauge
16"	20
24"	20
16"	16
24"	16

Snap Lock is an easier, quicker & stronger way to snap your studs into layout & lock them into place. No screws – no more threading long pieces through studs.

Create strong studs using these easy steps:

- 1st** Just insert the tall tab end of Snap Lock into a stud knockout.
- 2nd** Push it down over the previous Snap Lock until it snaps!
*See the diagram.

Optional: While not typically needed, for particularly precise layout specifications, striking the tall tab with your hammer to bend it inward, can bring your stud layout into conformance. Snap Lock is designed to accommodate the variations of stud gauges and coatings.

Before starting a Snap Lock run, determine the spacing between the webs of the first two studs. Snip the two side flanges to the desired length and fold the slotted end down. Install & fasten to the first stud using the pilot holes.

If the first stud spacing is a typical 16 inch or 24 inch spacing, the Snap Lock starter clip can be used. *All sizes contain 1 1/8" knockout for electrical services. Get that perfect, strong stud layout without pulling a tape or installing screws. Go to our website to watch our installation video.*

SPECIFICATIONS

20 Gauge Steel

- ASTM: C645, A653, structural grade 33, galvanized steel
- Coating Designation: Galvanized Steel equal or superior to ASTM A653 G40

16 Gauge Steel

- ASTM: A653, C955, structural grade 50, galvanized steel
- Coating Designation: Galvanized or Galvanized Steel equal or superior to ASTM A653 G60.

PART 1 – GENERAL

1.1 DESCRIPTION

- A. Scope of Work All interior and exterior load-bearing and non load-bearing light gauge steel studs, track, joists, trusses, bridging and related accessories are as indicated on the Contract Drawings and specified herein.
- B. Related work specified elsewhere.

1.2 SUMMARY

- A. This Section includes the following:
 - 1. Exterior and Interior non load-bearing walls.
 - 2. Exterior and Interior load-bearing walls.

1.3 PERFORMANCE REQUIREMENTS

- A. Engineering Responsibility: Engage a fabricator who assumes undivided responsibility for engineering Snap Lock by Flex-Ability Concepts LLC by employing a qualified professional engineer to prepare design calculations, shop drawings, and other structural data.
- B. Design exterior non load-bearing curtainwall framing to accommodate lateral deflection without regard to contribution of sheathing materials.
- C. All Exterior and Interior load-bearing applications are to be engineered by a qualified professional Engineer.

1.4 QUALITY ASSURANCE

- A. Installer Qualifications: Engage an experienced Installer who has completed cold-formed metal framing similar in material, design, and extent to that indicated for this project and with a record of successful in-service performance.
- B. Standard
 - 1. Work shall meet the requirements of the following standards:
 - a. American Iron and Steel Institute (A.I.S.I.) "Design of Cold Formed Steel Structural Members," 1986 with 1989 amendments.
 - b. American Society for Testing Materials (A.S.T.M.)
 - c. American Institute of Steel Construction (A.I.S.C.) "Manual of Steel Construction," 9th edition.
 - d. All pertinent Federal, State, and Local codes.
 - 2. The most stringent requirements shall govern in conflicts between specified codes and standards.
- C. Inspection
 - 1. Full responsibility for quality control shall remain with the Contractor.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Protect Snap Lock & Snap Lock Starter Clip from corrosion, deformation, and other damage during delivery, storage, and handling.
- B. Store Snap Lock & Snap Lock Starter Clip: protect with waterproof covering, and ventilate to avoid condensation.

1.6 SUBMITTALS

- A. Structural Calculations
 - 1. Submit structural calculations prepared by the Professional Engineer of record. Calculations shall include, but are not limited to:
 - a. Description of design criteria.
 - b. Engineering analysis depicting stress and deflection (stiffness) requirements for each framing application.
 - c. Selection of framing components and accessories.
 - d. Verification of attachments to structure and/or adjacent framing components.
- B. Drawings
 - 1. Submit drawings prepared by the contractor for approval by the Project Architect and Engineer. These drawings should include:
 - a. Cross-sections, plans and/or elevations depicting component locations.
 - b. Connection details.

PART 2- PRODUCTS

2.1 AVAILABLE MANUFACTURERS

- A. Manufacturers offering Snap Lock may be incorporated in the work include, and are limited to:
 - 1. FLEX-ABILITY CONCEPTS 3840 N. Tulsa Ave, Oklahoma City, OK 73112
Tel:(405)996.5343 FAX:(405)996.5353 www.flexabilityconcepts.com

2.2 MATERIALS

- A. Galvanized – 20 Gauge Steel Sheet Track: ASTM C645, A653 and as follows:
 - 1. Coating Designation: Galvanized Steel equal or superior to ASTM A653 G40
 - 2. Grade: 33
- B. Galvanized – 16 Gauge Steel Sheet Track: ASTM A653, C955 and as follows:
 - 1. Coating Designation: Galvanized or Galvanized Steel equal or superior to ASTM A653 G60.
 - 2. Grade: 50

2.3 WALL FRAMING

- Snap Lock: Galvanized steel spacer and bridging bar.
- A. Steel Studs: Manufacturer's standard C-shaped steel studs with punched webs in depths indicated, with lipped flanges in various inches of width. Design uncoated steel thickness of specified gauge unless noted otherwise
- B. Steel runner or track: Manufacturer's standard U-shaped steel track.

2.4 FRAMING ACCESSORIES

- A. Fabricate steel-framing accessories of the same material and finish used for framing members; with a minimum yield strength of 33,000 psi.
- B. Provide accessories of manufacturer's standard thickness and configuration, unless otherwise indicated.

2.5 FASTENERS

- A. Mechanical Fasteners: Corrosion-resistant coated, self-drilling, self-threading steel drill screws.
 - 1. Head Type: Low-profile head beneath sheathing, manufacturer's standard elsewhere.

2.6 MISCELLANEOUS MATERIALS

- A. Galvanizing Repair Paint: SSPC-Paint 20 of DOD-P-21035, with dry film containing a minimum of 94 percent zinc dust by weight.

2.7 FABRICATION

- A. Fabricate Snap Lock and metal framing plumb, square, true to line, true to radius, and with connections securely fastened, according to manufacturer's recommendations and the requirements of this section.
 - 1. Extreme care should be taken when handling or cutting any metal products. Observe all safety precautions when handling or cutting Snap Lock.
 - 2. Cut Snap Lock components by sawing, shearing, or cutting with tin snips.
 - 3. Install Snap Lock Starter Clip by screw fastening, as standard with fabricator. Wire tying of Snap Lock components is not permitted.
- B. Reinforce, stiffen, and brace framing assemblies to withstand handling, delivery, and erection stresses. Lift fabricated assemblies to prevent damage or distortion.
- C. Fabrication Tolerances: Fabricate assemblies as required.

PART 3- EXECUTION

3.1 INSTALLATION, GENERAL

- A. Snap Lock and Snap Lock Starter Clip assemblies may be shop or field fabricated for installation, or it may be field assembled.
- B. Install Snap Lock and Snap Lock Starter Clip plumb, square, true to line, and with connections securely fastened, according to manufacturer's recommendations and the requirements of this Section.
 - 1. Extreme care should be taken when handling or cutting any metal products. Observe all safety precautions when handling or cutting Snap Lock & Snap Lock Starter Clip.
 - 2. Cut Snap Lock components by sawing or shearing or with tin snips.
 - 3. Install Snap Lock Starter Clip by screw fastening, as standard with fabricator. Wire tying of Snap Lock components is not permitted.
- C. Install Snap Lock components in one or multi-piece lengths as specified.
- D. Provide temporary bracing and leave in place until framing is permanently stabilized.
- E. Do not bridge building expansion and control joints with Snap Lock components. Independently frame both sides of joints.

3.2 REPAIRS AND PROTECTION

- A. Galvanizing Repairs: Prepare and repair damaged galvanized coatings on fabricated and installed Snap Lock & Snap Lock Starter Clip with galvanizing repair paint according to ASTM A 780 and the manufacturer's Instructions.
- B. Provide final protection and maintain conditions in a manner acceptable to manufacturer and installer to ensure that Snap Lock & Snap Lock Starter Clip is without damage or deterioration at the time of substantial completion.