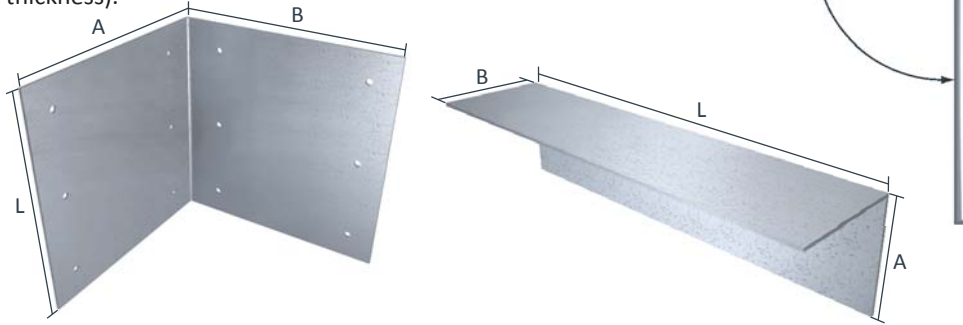


# Custom Connectors & Clip Angles

Specialized Products For All Applications

## Material Composition

ASTM A1003/A1003M Structural Grade 33 (230) Type H, ST33H (ST230H): 33ksi (230MPa) minimum yield strength, 45ksi (310MPa) minimum tensile strength, with ASTM A653/A653M G60 (Z180) hot dipped galvanized coating. Available in 54mil minimum thickness (16 gauge, 0.0566" design thickness) or 68mil minimum thickness (14 gauge, 0.0713" design thickness).



## Notes

- The Steel Network is equipped to manufacture cold-formed steel connections of any size and shape. Some examples of custom products manufactured are shown and described below.
- Please allow reasonable time for production of all custom parts.
- Structural testing is available upon request.
- Contact TSN for assistance designing custom products for special applications or requirements.

## Nomenclature

Clip angle can be manufactured to any specifications, however TSN stocks some more common sizes. Angle is classified with the letter "L" followed by (Leg A) x (Leg B) x length (inches), then mil thickness.

**Example:** Leg A = 3", Leg B = 3", Length = 5 3/4", 54 mil material

**Designate:** L3x3x5.75-54

\* Special product drawing is required for all non standard products.

\*\*Common stocked angles come pre-punched for easy installation, though holes are not required.

## Example Details



Connector for parallel wall studs. One stud rigidly attached to wall stud. The other stud accommodates vertical deflection of the primary structural frame.

VertiTrack® VTD modified to accommodate 4" slots in VertiClip SLD provides an effective, efficient solution for large demising walls typically seen in retail stores and theaters.



Retrofit situation where a stud does not run full height, creating a situation where a modified VertiClip SLS was lengthened to bridge a large gap from the structure of 26".

Unique condition brought to TSN by Specialty Engineer. TSN helped design a solution and test & fabricate clips.