**Cable Strut Installation**

Safe working loads of Gripple Cable Strut will vary based on length of cable, number of intermediate support points, and number of C-Clip assembly hanging points. Please contact your Gripple Sales Manager to determine hanger spacing and load calculations for your project.

**C-Clip Installation**

The Gripple C-Clip can be used on angles up to 60°

**C-Clip DO’S AND DON’TS**

**DO:**
- Use the C-Clip to connect securely to 6mm / 1/4" cable in a Cable Strut configuration.
- Use the C-Clip to suspend up to 45kg / 100lbs.
- Use the C-Clip as overhead support for Cable Strut, to help reduce sag.
- Check the loading limitations of the Cable Strut and structure prior to installation.

**DO NOT:**
- Suspend more than 45kg / 100lbs from one C-Clip.
- Connect the C-Clip to anything other than 6mm / 1/4" steel cable.
- Remove the attached 2mm / 5/64" cable and use the C-Clip on its own.
- Overload the Cable Strut span. The C-Clip can support up to 45kg/100lbs, but the Cable Strut run or structure may not be able to.

For further technical assistance, please contact:

Gripple Inc. 1611 Emily Lane / Aurora, IL 60502  Phone: 630.406.0600  Email: grippleinc@gripple.com

www.gripple.com/us
IMPORTANT SAFETY INSTRUCTIONS

Read prior to installation.

Failure to comply with these instructions will invalidate any warranty or obligation from Gripple Limited, its associates, or affiliated companies.

1. The maximum TENSION to be applied to the Cable Strut span prior to any suspended load being applied, MUST NOT exceed the following:
   a. 1/4" (6mm) cable: 220 lbs (100 kg). The tension may be applied by hand and supplemented, if necessary, with the use of a 220 lb / 100 kg rated Gripple tensioning tool.
      DO NOT exceed 220 lbs of tension load.
   b. 1/8" (3mm) cable: 70 lbs (30 kg). The load must only be applied by hand. NEVER use a tensioning tool to tension a 1/8" Cable Strut span.

2. For 1/4" Cable Strut installations: only apply tension to the cable BEFORE the 1/4 turn lock is engaged on the D6 (1/4") Lockable Plus fastener.

3. NEVER use the tensioning tool in an attempt to tension the cable once the 1/4 turn lock on the D6 (1/4") Lockable Plus fastener has been engaged. If further tension needs to be applied, the 1/4 turn lock MUST be released before any additional tension is applied.

4. NEVER attempt to re-tension, raise, or straighten the cable span while it is supporting any load. Any load MUST be removed prior to any adjustment of the cable span.

5. The 1/4 turn lock on the D6 (1/4") Lockable Plus MUST always be fully engaged AFTER tensioning has been completed.

6. A Cable Strut span should ALWAYS display an element of sag (S). This is NORMAL and MUST NOT be pulled out by over-tensioning the cable. Over-tensioning a cable span can place unnecessary stresses on the building structure.

7. ALWAYS ensure the anchor points are structurally sound, free from sharp edges, and capable of withstanding the tension generated by the cable once the load is applied, without the possibility of losing integrity.

8. ALWAYS attach the ends of the cable span to the anchor points at each end, by forming a continuous loop configuration of the cable through the D3 (1/8") Lockable Plus fastener (for 1/8" Cable Strut), or the D6 (1/4") Lockable Plus fastener (for 1/4" Cable Strut).

9. When looping through the anchor points at each end, always ensure the tail wire is on the underside of the installation to allow easy access for tensioning. This cable must be longer than 4".

10. ENSURE that the internal inclusive angle of the cable inside the loop NEVER exceeds 60º. The final position of the D3 (1/8") Lockable Plus fastener or D6 (1/4") Lockable Plus fastener should be at a minimum distance from the anchorage equivalent to 1½ times the height of the beam around which it is fastened.

11. NEVER use any Gripple fastener as a splice to join together two different pieces of cable.

Manufacturer’s Recommendations

LOADS – Always use product within its stated Safe Working Load (SWL).

LIFTING & MOVEMENT – Do not use for lifting, such as in a crane or pulley situation, or for hanging services exhibiting movement or dynamic behavior. Designed for hanging statically positioned services only.

INSTALLATION: Do not walk or stand on the Gripple product installation.

PAINTING – Do not paint the Gripple fastener. Ensure that the fastener is in its final position prior to applying any paint to the cable assembly. Do not move Gripple fastener after painting.

CABLE – Always use Gripple supplied and specified cable. Never use on coated cable or other cable. Trim any damaged filaments with Gripple wire cutters before use.

ENVIRONMENT – Gripple products, including Stainless Steel, are NOT suitable for use in chlorinated / swimming pool environments. Use standard Gripple hangers in DRY LOCATIONS ONLY. Stainless Steel Gripple hangers are SUITABLE FOR DAMP LOCATIONS.

LUBRICATION – Do not apply oil or any other lubricant to the Gripple fastener, or any other part of the cable assembly.