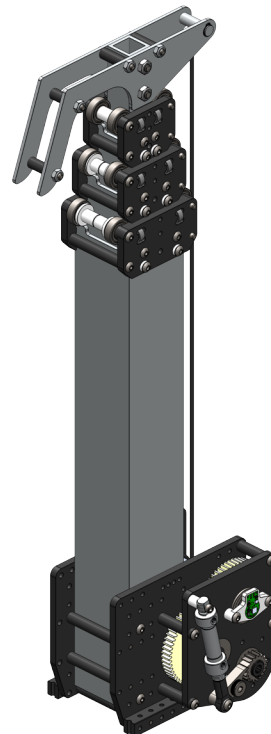
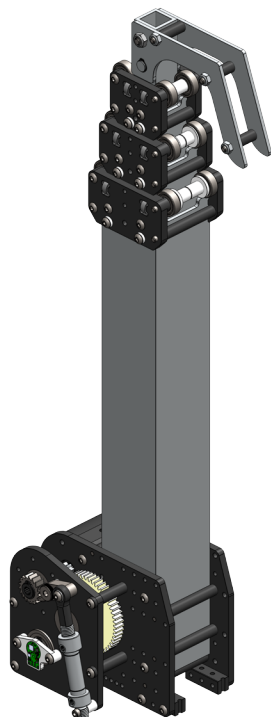
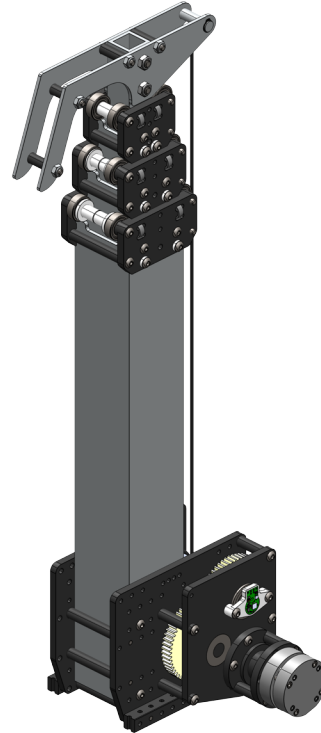
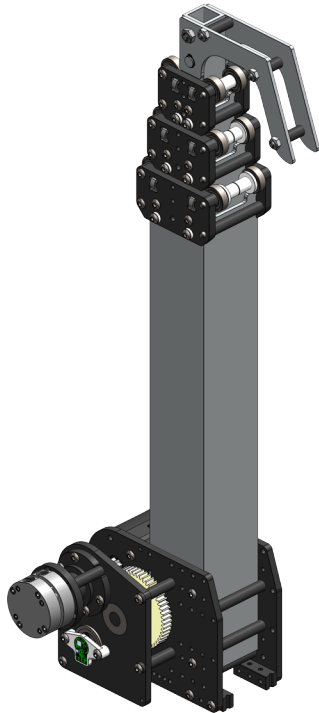


# WCP-EX-0007 - Application Guide (Rev 1)





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## What is the GreyT Telescope?

The GreyT Telescope kit lets you make a linear telescoping system with little to no effort. Up to 40 inches per stage, up to 4 stages, and more than enough power from the Falcon 500 motor. Lock your telescope in place with either the Ratchet & Pawl or the WCP Friction Brake. Use it for fast and secure climbs, or any other fine-controlled linear mechanisms.

Notable features:

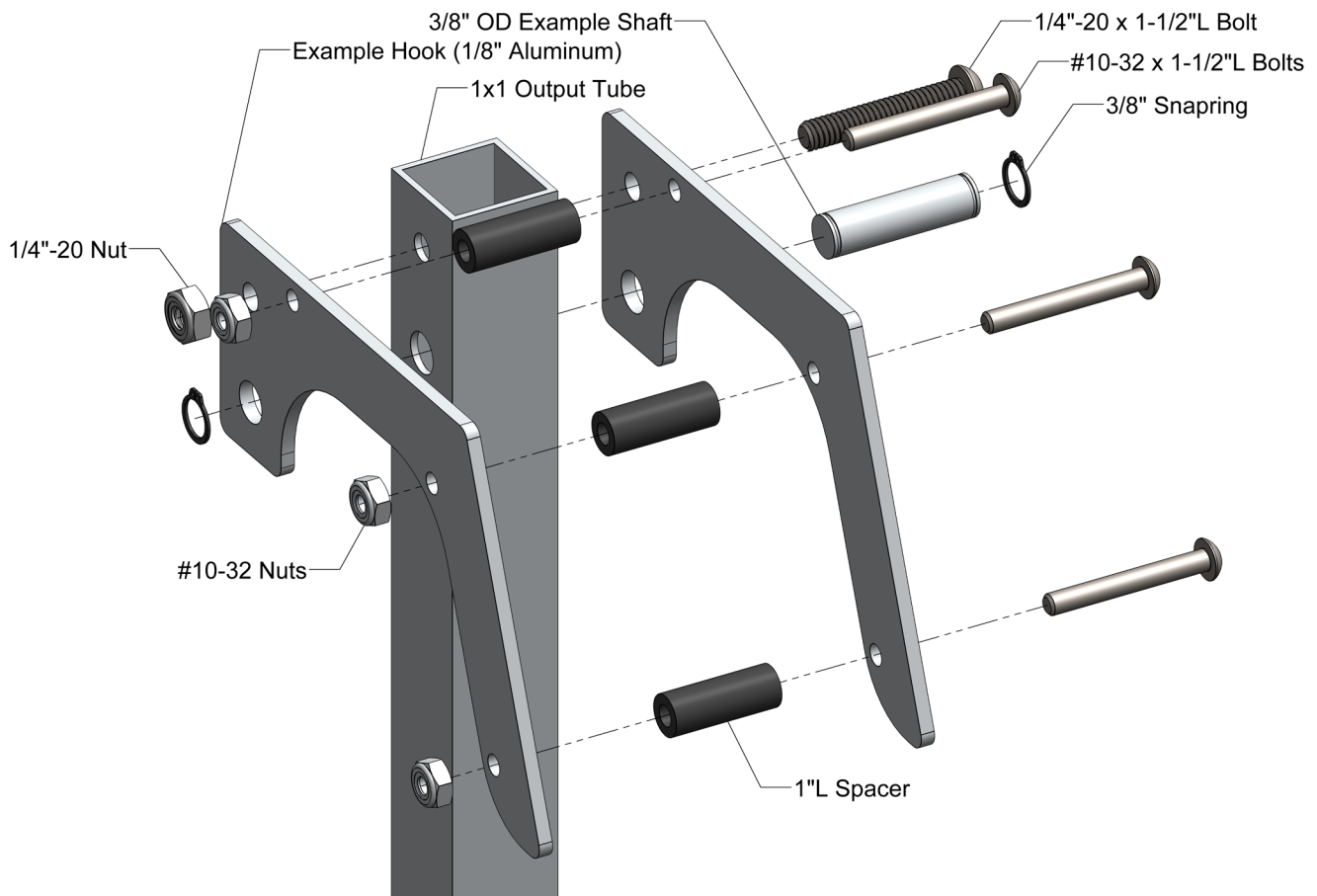
- Configurable, up to 4 stages.
- Easy to assemble and maintain.
- All bearings, no sliders.
- Integrated gearbox and mounting.
- Built in option for Ratchet & Pawl or WCP Friction Brake.
- Works with .060" and .125" tubing.
- No CNC machining required.
- Proper hardstops.
- Improved design, removes common failure point of internal bolts.



## Non-Flipped Hooks

In the image below are example hooks that could be used for hanging. The hooks are made from 1/8" thick aluminum and are bolted together using 1"L spacers. These will help keep the hooks from bending.

A 3/8" OD Shaft is installed through both hooks and the 1x1 Output Tube. In this example, this acts as an anchor point for the string.



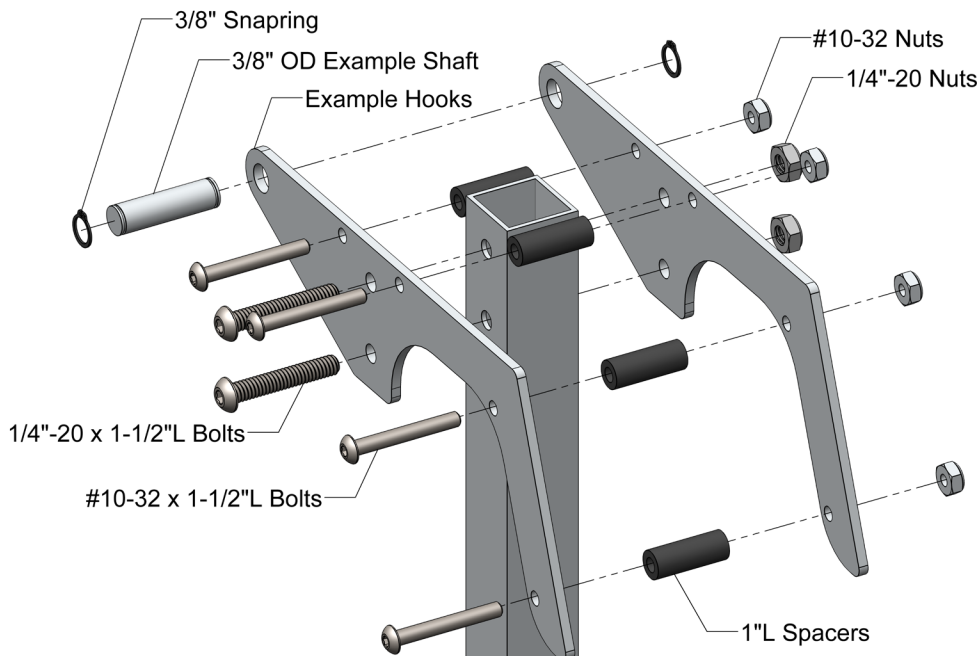
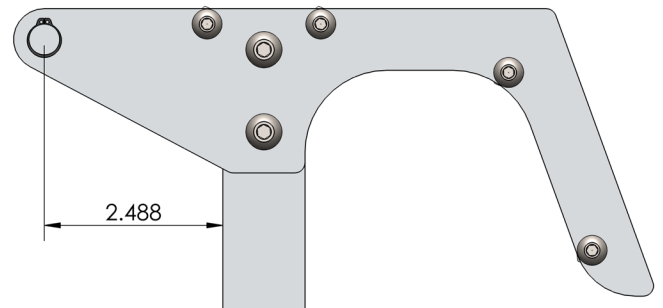


## Flipped Hooks

The image below shows example hooks that could be used for either of the Flipped configurations. The hooks are made from 1/8" thick aluminum and are bolted together using 1"L spacers. These will help keep the hooks from bending.

A 3/8" OD Shaft is used as the anchor point for the string. Unlike the Non-Flipped Hooks, the shaft is installed outside the tube for the Flipped configurations. The position for the shaft is indicated in the image below.

**Note:** When designing your hook, make sure that the anchor point does not cause the string to collide with any of the CF Springs.

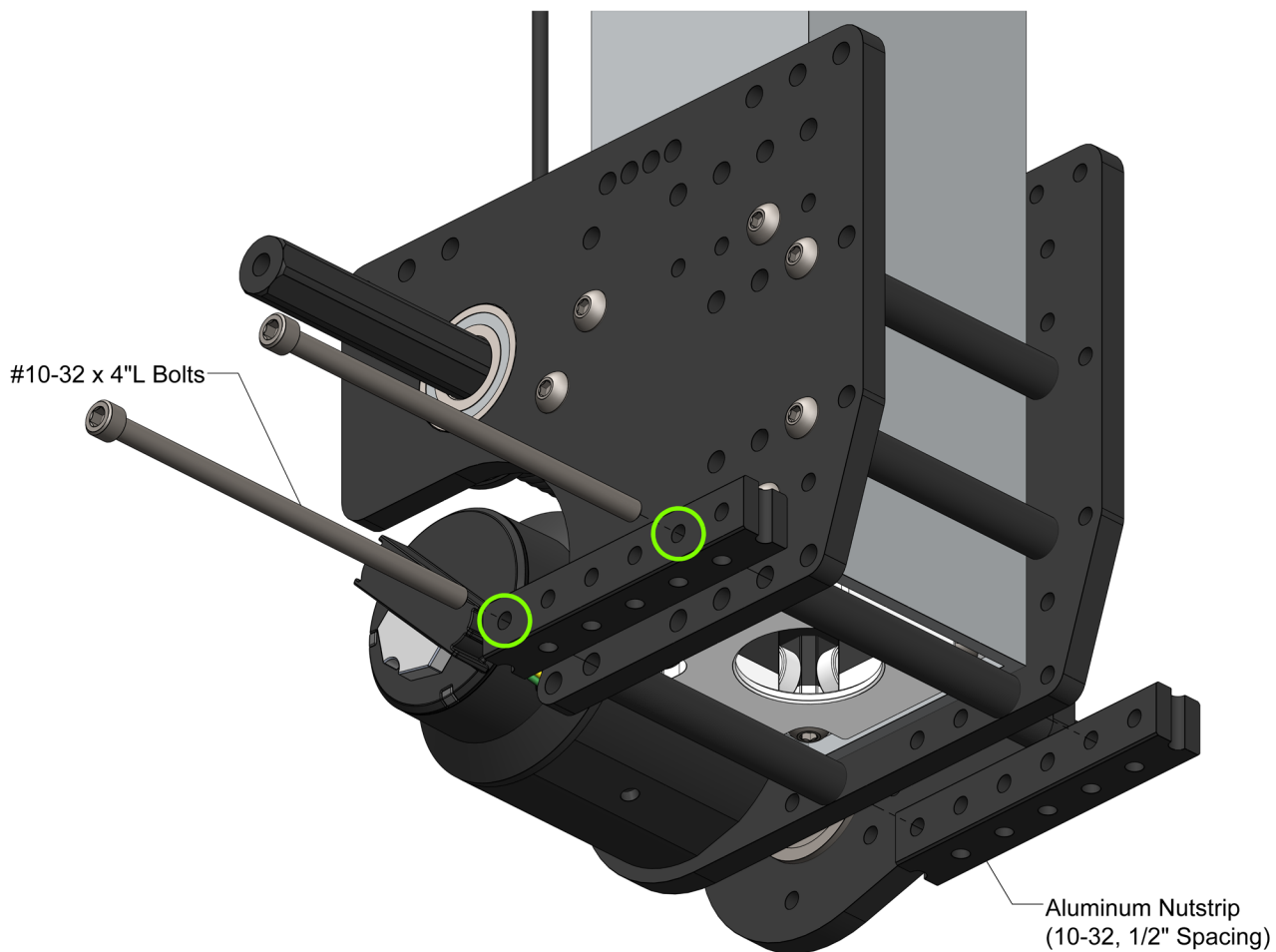




## Flipped Mounting Example

For this mounting example, you will need 2 Aluminum Nutstrips cut to 3". For one of the nutstrips, drill out the two holes marked in green to #9.

Remove the two #10-32 x 3"L bolts indicated in the image below. Drill out the corresponding tapped holes on the Gearbox Plate clearance for #10-32 bolts. Install the nutstrips as shown in the image below using the indicated bolts.





## Revision Table

Revision Date	Revision #	Description
11/24/2021	1.0	First revision created.