General Fitting Instructions for a Support to Support (or Tree) Zip Wire:
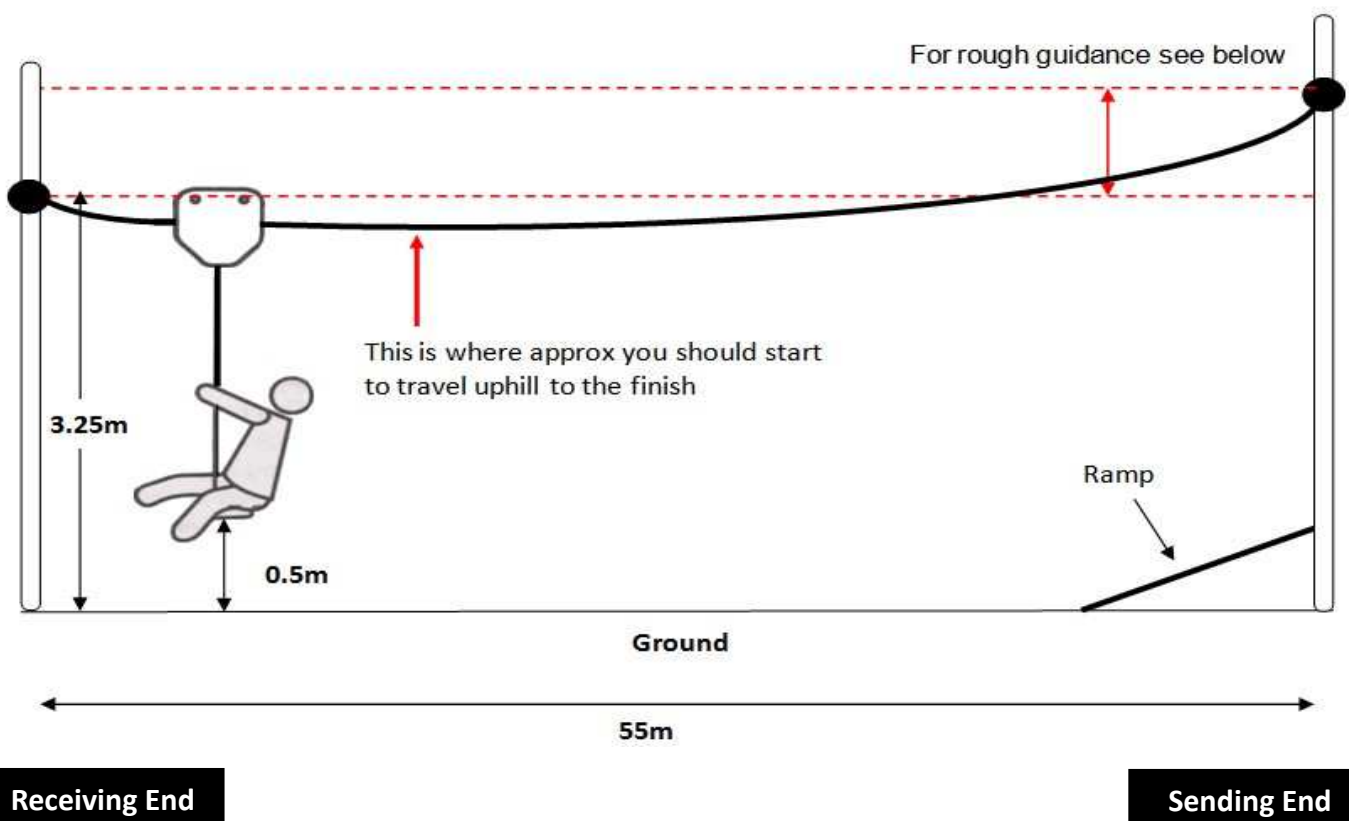
PLEASE NOTE:
Please note that these fittings instructions are for guidance only and For Outdoors Ltd cannot be held responsible for any advice given.

Unfortunately due to every installation being unique, it is impossible to give advice on each installation however that said, **PLEASE DO NOT** be put off by the task of fitting a Zip wire. It really is quite straight forward and a simple thing to complete and these generic instructions will help.
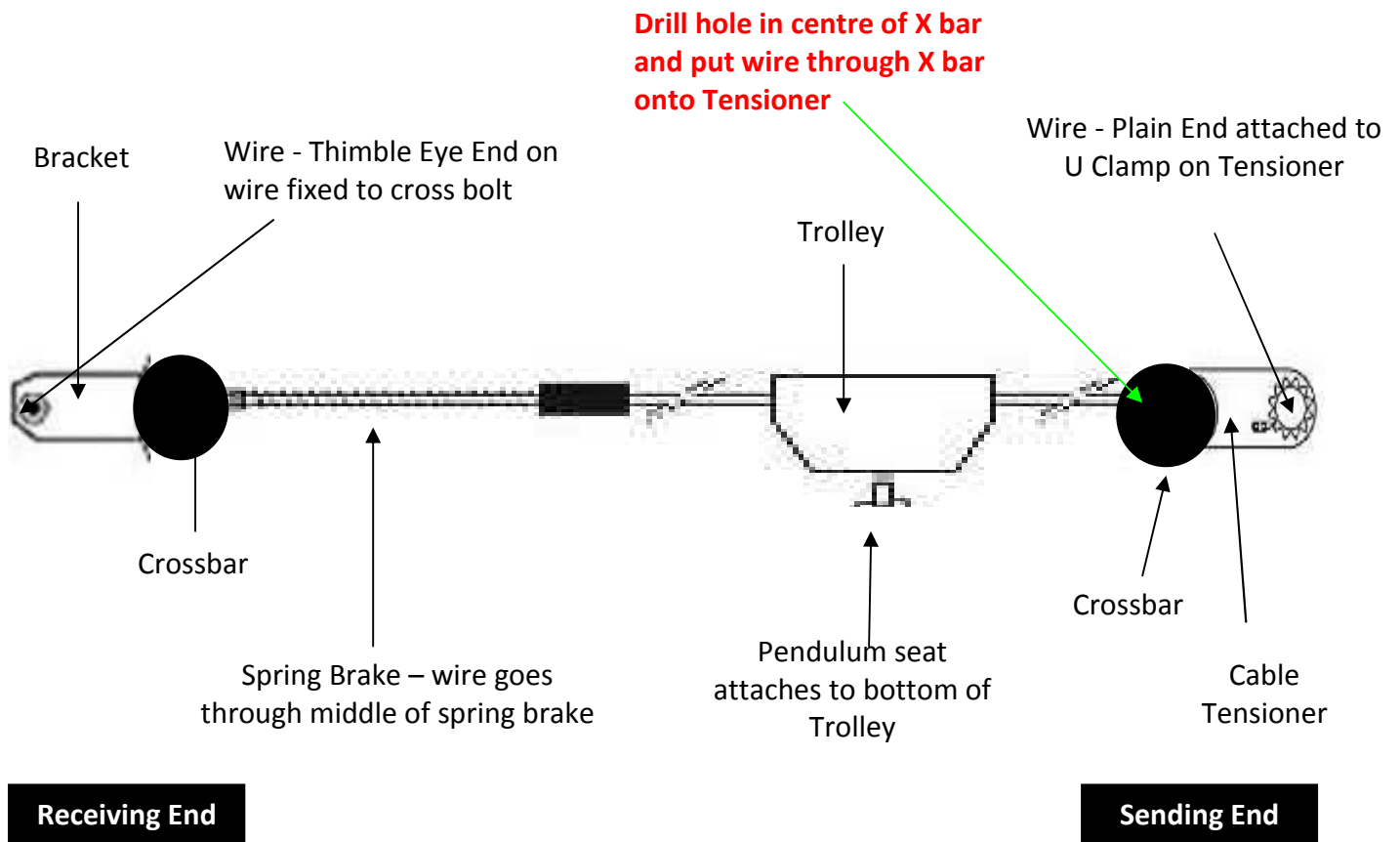
When installing a Support (or Tree) to Support Wire kit, the most important thing to do before installing is to build your Support frames after working out the approx height of where the cable tensioner is to be installed at the sending end. To do this you need to start working out your measurements from the receiving end and work backwards from there.

At the receiving end you need to work out the crossbar measurement by combing the following measurements (as shown in diagram below) – clearance height below the bottom of seat, the length of the seat chain and an allowance for the trolley. Generally this is about 3.25m (128") off the ground to the height of the crossbar. You can of course shorten the chain if you need to which would then reduce the height of the crossbar.

Start by building your supports (and platforms if needed). It is recommended that to construct your supports that you use roundwood with a diameter of between 140 – 160 mm (5 ½" – 6 ¼"). Although the support legs do not need to be cemented in, it is advised that you bury at least 0.5m (19 ¾") of the support legs below ground.

For rough guidance see below

This is where approx you should start to travel uphill to the finish

3.25m

0.5m

Ramp

Ground

55m

Receiving End

Sending End

Cross View of Zip Wire Assembly:

Drill hole in centre of X bar and put wire through X bar onto Tensioner

Bracket

Wire - Thimble Eye End on wire fixed to cross bolt

Trolley

Wire - Plain End attached to U Clamp on Tensioner

Crossbar

Spring Brake – wire goes through middle of spring brake

Pendulum seat attaches to bottom of Trolley

Crossbar

Cable Tensioner

Receiving End

Sending End

Things to remember for this fitting:

1) You will need to get some coach bolts to build your supports with and some commercial Rawl Bolts from a good hardware shop to fix both the cable tensioner and the bracket to the crossbars.

2) You can cut the length of the chain by using an angle grinder. **YOU WILL STILL NEED TO ALLOW 0.5m CLEARANCE UNDERNEATH THE SEAT.**

3) The Zip wire Spring Brake once fitted in place needs to be tightened down onto the wire using the 2x inline screws attached. Please **DO NOT** tightened down right up against the receiving end – please allow at least 6"–9" gap from the end before tightening down.

4) The amount of fall off (difference in height between sending end and receiving end) you require, depends on the lay of your site, the length of the run you are installing and how fast you would like you Zip Wire run to go. See below.

5) When installing the wire, **BE CAREFUL NOT TO OVER TIGHTEN THE WIRE**. There must be some slackness in the wire. See below. If you were to look from the side view – you should see the wire start to go uphill after approximately 2/3 rd's of the way along the run. This is normal and helps to aid the slowing down process.

6) We do not recommend that a Zip wire should be more than 80m in length (on level ground)

7) Runs over 80m in length should not be attempted on Flat ground unless attach to a tree at the sending end.

Fall off (Difference between Sending end and Receiving end:

What makes a good Zip Wire is a combination of the slackness (not too much) in the wire and the fall off. Although we have suggested some fall off's below – we strongly recommend that you try and decide your own fall off first (as all installations are different and people require different speeds) before completely securing your bolts etc.

Suggested fall off's:

> For runs up to 25m – between 0.5m and 0.75m
> For runs between 25m – 50m – between 0.75m and 1.5m
> For runs between 50m – 80m – between 1.5m and 2.5m

PLEASE MAKE SURE THAT:

A) You **DO NOT OVER TENSION** the wire. There **MUST** be some slackness in the wire
B) You check all fittings and the Tension of the wire, **DAILY BEFORE** each use.

Most importantly – enjoy the fun