

Preparation of the wire rope for use in a Power Climber traction hoist is very important. The manufacturer of the rope prepares the main body of the wire rope. When you prepare to place the rope into service for the first time there are three things that you must decide.

1. Length of wire rope.
2. Type of terminations to use at the uppermost portion where it will connect to your suspension equipment.
3. Type and process to be used for the tail line section.

Buildings and structures vary in height, so you should have on hand varied lengths of wire rope. Use the length of rope that is closest to the height of the structure that you intend to rig.

The types of terminations that you can use are many, check with your wire rope supplier for the safest and most acceptable method for your needs. Be aware that each particular process for wire rope termination has a required procedure that must be followed. Before selecting any one method make sure that this procedure can be strictly followed. If you are unsure of the process that you must follow, contact the vendor or the manufacturer for the procedure.

The use of fistgrips for primary termination of suspended wire ropes is an accepted practice in our industry. Yet few people know how to correctly install these clips. The procedure for fistgrips is plainly printed on the packaging. For a 5/16" fistgrip, this procedure includes the use of a torque wrench to insure 30ft. lb. of torque.

***Request a copy of SI-041 Service Instruction for cautions on the use of common terminations.***

Tail line preparation of the wire rope must be brazed in most applications. The finished product of the brazing procedure is known as a bullet or bullet end.

This process is generally performed with an Oxy-acetylene torch and a brazing rod. Some may finish the bullet with a grinder, but with experience your skill will improve and this should not be necessary.

The first step in this process is to make sure that the center core of the wire rope is cut back about two inches. This will prevent the core from milking to the end and destroying the bullet.

For questions or comments, contact Customer Service at 1-800-560-CLIMB (2546) or [customerservice@safeworks.com](mailto:customerservice@safeworks.com).