

## 2.007 Kit Part: String

**25 feet of various diameters**

Weight - oz.

Braided nylon string



### Possible uses:

1. Power transmission
2. Tensioning elements
3. Winch system
4. Pulley system
5. Force multiplier
6. Easy crowning of flat belt pulleys

### Tips:

Use an X-acto knife or scissors to cut. To prevent fraying, tie a knot at the end or melt end (without burning) with a match or lighter (carefully!).

Go to these links to learn to tie some basic knots with your string. <http://www.folsoms.net/knots> or <http://www.earlham.edu/~peters/knotlink.htm#general>

To connect two ends use a double fisherman's knot.

To make a loop that does not get too tight to undo use a bowline.

To tie to a post, use a Fisherman's bend or a clove hitch.

To make a stopper in the string use a multiple overhand knot.

To secure two perpendicular posts use a transom knot.

To vary the length of the string without untying (to tension it) use a sheepshank.

### Tools:

To modify you can use the following tools: X-acto knife, Scissors

You should be careful when using: Lighter or matches

You should not use: Shear, Notcher, Punch, Drill, or any other power tool.

### Examples:

