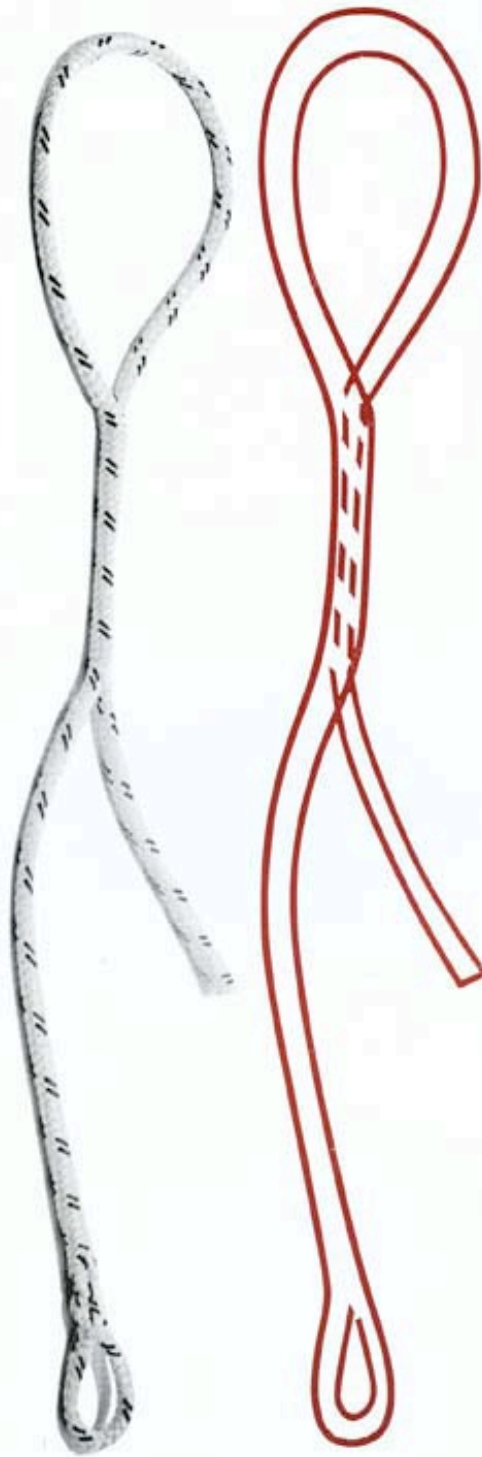


**YALE CORDAGE
S·P·L·I·C·I·N·G
INSTRUCTIONS**

**ADJUSTABLE
SLINGS**

BACKSPLICE



Adjustable Slings

Adjustable slings are fabricated from a hollow braid, using one eye splice, one adjustable splice, and one backsplice. The rope diameter dictates minimum possible length of adjustable sling.

Rope Required to Produce Adjustable Sling
 $(2A) + B + K = \text{Rope Required}$
 A = Adjustable portion
 B = Non-adjustable portion (minimum length)
 K = 8 fid lengths (allows enough rope for backsplice and standard-sized fixed eye).

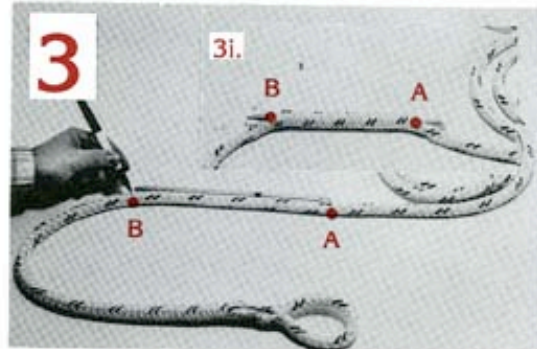
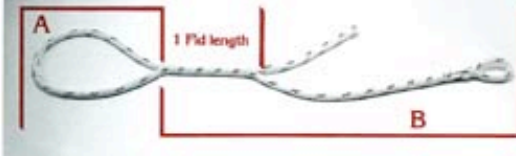
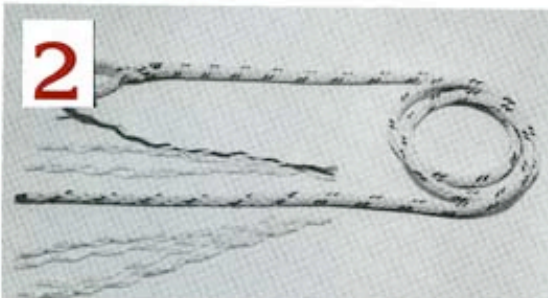
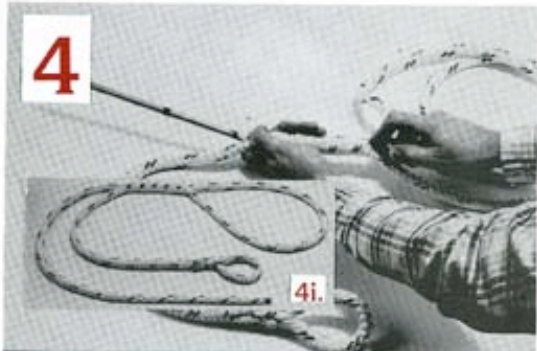


Table of Minimum Lengths for Adjustable Slings

1/4" - 16"	1/2" - 28"	7/8" - 46"
5/16" - 18"	9/16" - 30"	1" - 51"
3/8" - 20"	5/8" - 32"	
7/16" - 24"	3/4" - 38"	



Start by performing a standard eye splice (ref: Eye Splice instructions, Single Braid).

1. Measure one fid length plus one short fid length up the rope and make mark "1". Place mark "2" on the rope at two full Fid lengths. Starting at mark "1" mark a left and a right pair of strands. From the marked pair of left and right strands count 3 strands pairs in the direction of the tail and mark the fourth set of left and right strands. Repeat this step once more.

2. Pull out the marked strands. Cut off the marked strands, leaving tapered end. Retape the tapered end tightly.

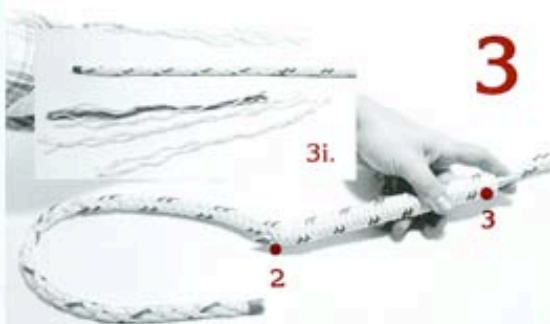
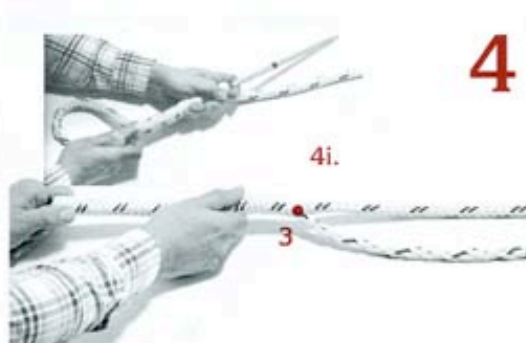
3. Make mark "A" on the rope which relates to the sling's minimum adjustable length. Make mark "B" on the rope 1 full fid length from "A". 3i. Start the fid down into the hollow core of the rope at mark "A" collecting rope on the fid until the fid exits at "B".

4. Insert the tapered end of the rope into the fid and push through until the taper exits at mark "B". 4i. Pull the tapered end through and enough untapered rope with which to work.

5. Finish the tapered end in a backsplice to prevent the tapered end from being accidentally pulled back through the line. To perform backsplice, see facing page Step 3 and continue.

WARNING: Derate Rope tensile strength 12% when using adjustable splice.

Backsplice



1. Measure one fid length plus one short fid length up the rope and make mark "1". Place mark "2" on the rope at two full fid lengths. Make mark "3" 1 full fid length plus 1 short fid length up from "2". The backsplice may be lengthened (useful for rigging "Kellems" type grips) or could be shortened by lengthening or shortening mark "3" on the rope.
2i. Starting at mark "1", mark a left and a right pair of strands. **2.** From mark "1", count 3 strands pairs in the direction of the tail and mark the fourth set of left and right strands. Repeat this procedure once more. Note: Some ropes contain a single strand instead of a pair of strands, in this case cut and remove a single strand only.
3i. Pull out and cut off the marked strands. Retape the

tapered end tightly. **3.** Start the fid down into the hollow core of the rope at mark "2", collecting rope on the fid until the fid exits at "3".
4i. Insert the tapered end of the rope into the fid and push through until taper exits at mark "3". Pull the tapered end through until all the slack enters the body of the rope. **4.** Grasp mark "2" and smooth out the splice down the body of the rope. Make sure all the slack is removed from the splice area.
5i. Mark the taper tail where it exits the body of the rope. Gentle pull the tapered tail out of the rope and cut at approximately 1/4" above the mark. Unbraid the last two inches of the tail. Fan the strands out and cut a gradual taper. **5.** Grasp mark "2" and smooth out the splice. Tapered end will disappear.
6. Finish the splice with a lock stitch or a whip.