

As mentioned, the end release V bridle system requires a ring or special loop on the end of the tow rope to permit the bridle line to unthread easily. A metal ring works very

reliably for this but can present some hazards. A metal ring can potentially snap back and injure the pilot if the rope breaks or is released from the tug's end when aerotowing. A ring on the end of a surface based towline can cause crop damage and possibly injure the tow system operator when retrieving the tow rope. Alternatively, a loop can be spliced into the end of the tow rope with a 5-6 inches long piece of plastic or aluminum tubing covering the rope in the loops as shown in figure 2-8. This will allow the bridle line to slide through without

pinching the rope and is much lighter than a steel ring. It is critical to properly test and evaluate the type of plastic and loop construction before it is ever used to tow to gain assurance that it will not squeeze the bridle during actual use.



Bent aluminum or thick plastic tube spliced into towline loop

Figure 2-8: Preparing Towline End