

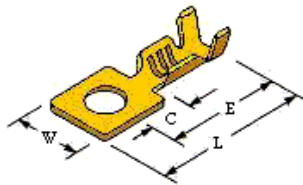
INFO - SHEET No. 10

Standard crimping techniques

Using the least amount of material to the best advantage is the most cost effective way to use shape memory actuators. During product development this usually leads the designer to an approach which makes use a straight round wire actuator so that every bit of cross section is performing the work needed.

Naturally, precise measuring and mounting is essential. Most customers find it easiest to buy precrimped wire that is already cut to accurate lengths with terminations attached. Almost all of our thin wire actuators are attached with two different types of crimps which are presented hereafter.

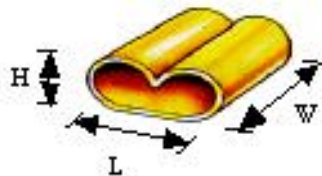
1. Ring Terminator



Measures:

W: 4,0 mm
 L: 9,5 mm
 E: 7,4 mm
 C: 2,8 mm
 Stud: dia. 2,3 mm
 Stock: 0,3 mm

2. Barrel Terminator

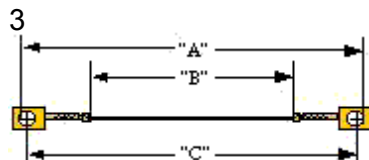


Measures:

W: 2,0 mm
 L: ca. 1,2 mm
 H: ca. 0,9 mm

3. How to Determine Assembly Length for Ordering Ring Terminal

The Ring Terminal has three ways of measurement



"A" - From the outside edge of the Ring Terminal mounting hole. This is the best method to determine the assembly length.
 "B" - The working length of the actuator. Generally used to make sure that you have enough length to do the work needed.
 "C" - From the center of the stud diameter hole.



"A" - From the inside of the crimp to the inside of the crimp. This is the most common and accurate way of measuring Flexinol™ when using the barrel terminations.