



**EITEL-McCULLOUGH, INC.**  
SAN CARLOS · CALIFORNIA

**PREFORMED  
CONTACT  
FINGER  
STOCK**

## PREFORMED CONTACT FINGER STOCK

Eimac Preformed Finger Stock is a prepared strip of spring material, slotted and formed into a series of fingers, designed to make a sliding contact.

Eimac Contact Fingers are an excellent means of providing good circuit continuity when using components with adjustable or moving contact surfaces. It is especially suitable for making connections to tubes with coaxial terminals or to moving parts, such as long line and cavity type circuits. It is also useful as an electrical "weather strip" around access doors in equipment cabinets.

The base material is a non-ferrous spring alloy, heat treated for more positive spring action and silver plated for better r-f conductivity. No further forming of the material should be attempted. The minimum radius of curvature for the material is  $\frac{3}{4}$ ". It may be secured by any suitable mechanical means or by soft soldering. If torch-soldering is attempted extreme care must be exercised to prevent overheating which will anneal the material with subsequent destruction of the spring qualities.

The material is heat treated to a hardness of 91 to 94 as measured on the 15 T scale of a superficial hardness tester. These values correspond, approximately, to a Rockwell B hardness of 93 to 100.

Eimac Contact Finger Stock is available (on special factory order) in the following semi-finished states: (a) slotted and formed but not heat treated or silver plated, (b) slotted, formed and silver plated but not heat treated or (c) slotted, formed and heat treated but not silver plated. Orders for these semi-finished materials should specify the state of completion desired. Such orders should allow approximately ninety days for completion since these semi-finished materials are not carried in stock. Contact Finger Stock which has not been heat treated can be formed to different shapes by the user, after which it may be heat treated. Eitel-McCullough can not undertake to heat treat or plate semi-finished Contact Finger Stock after being further formed by a customer. When the unhardened material is ordered and heat treatment is to be undertaken after further forming, the user should request heat treating information when placing the order.

- ▶ Finger stock available in three-foot lengths only.



