



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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## **Metral 5 Row EE (Electrical Enhanced) Right Angle Receptacle Insertion Tooling**

Metral 5 row EE right angle receptacles can be installed with the same tooling and machines that are used for the standard 4 and 5 row right angle receptacles. The exception to this is that there is no heat stake for the EE receptacle, only press fit.

The top tool is a modified “flat rock” press bar.

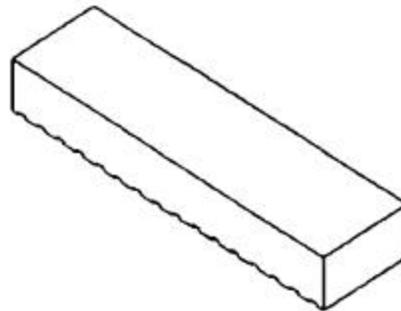
The bottom tool serves as a board support during insertion and is cleared out in the areas that the tails come through the PCB.

### **Top Tool Press Bar 162325-Xxx**

If all of the Metral modules that are to be inserted are stacked end to end you can use a standard press bar. If you have groups of Metral connectors and then a space other than an even increment of 12mm then you will need a custom top tool.

#### **Standard Top Tools**

<b>162325-001</b>	8 (12mm) Modules
<b>162325-002</b>	12 (12mm) Modules
<b>162325-003</b>	21 (12mm) Modules

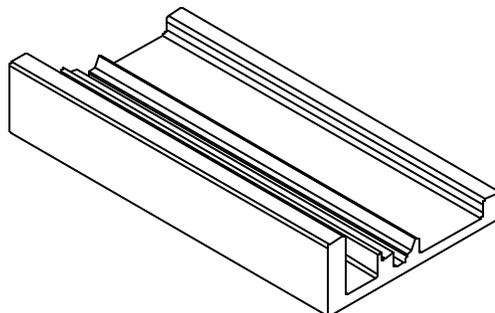


### **Board Supports (Bottom Tools) 162383-XXX**

Some Metral users prefer to develop their own board supports or use a PCB with oversized holes. Either of these practices are acceptable but FCI also offers bottom tools for those customers who prefer factory tooling. The bottom tools can be cut to the length needed.

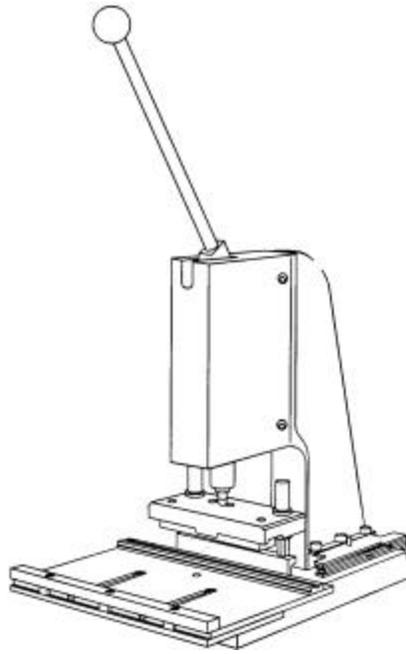
#### **STANDARD BOTTOM TOOLS**

		Length
<b>162383-001</b>	146.8mm	5.780 inches
<b>162383-002</b>	194.8mm	7.669 inches
<b>162383-003</b>	302.8mm	11.921 inches
<b>162383-004</b>	457.2mm	18.000 inches
<b>162383-005</b>	609.6mm	24.000 inches



**MT-510 P/N 162452-001**

The MT-510 is a manual press that can insert up to 128 press fit pins in one stroke. It can also be used for solder tail parts that have press pegs. The MT-510 can be used for all 4 and 5 row Metral right angle receptacles and right angle headers.



**Mt-511 Insertion Press P/N 166380-001**

**Loading Station P/N 166505-001**

The MT-511 is a pneumatic machine that can terminate up to (21) 12mm modules per machine cycle. It can be used for all 4 and 5 row right angle receptacles and right angle headers. The optional loading station is used to stage the connectors prior to insertion.

