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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.

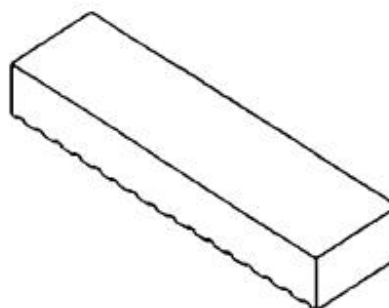
The bottom tool serves as a board support during insertion and is cleared out in the areas that the tails come through the PCB.

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

162325-001	8 (12mm) Modules
162325-002	12 (12mm) Modules
162325-003	21 (12mm) Modules

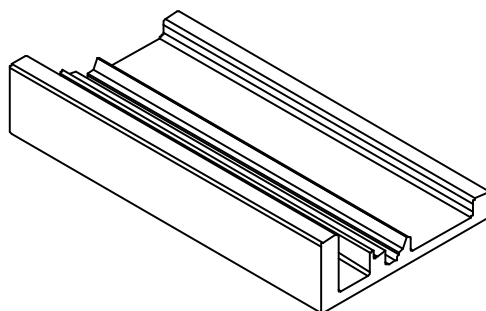


Board Supports (Bottom Tools) 162383-XXX

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.

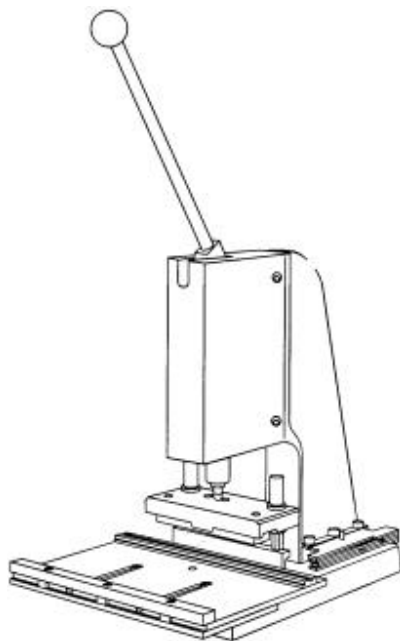
STANDARD BOTTOM TOOLS

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



MT-510 P/N 162452-001

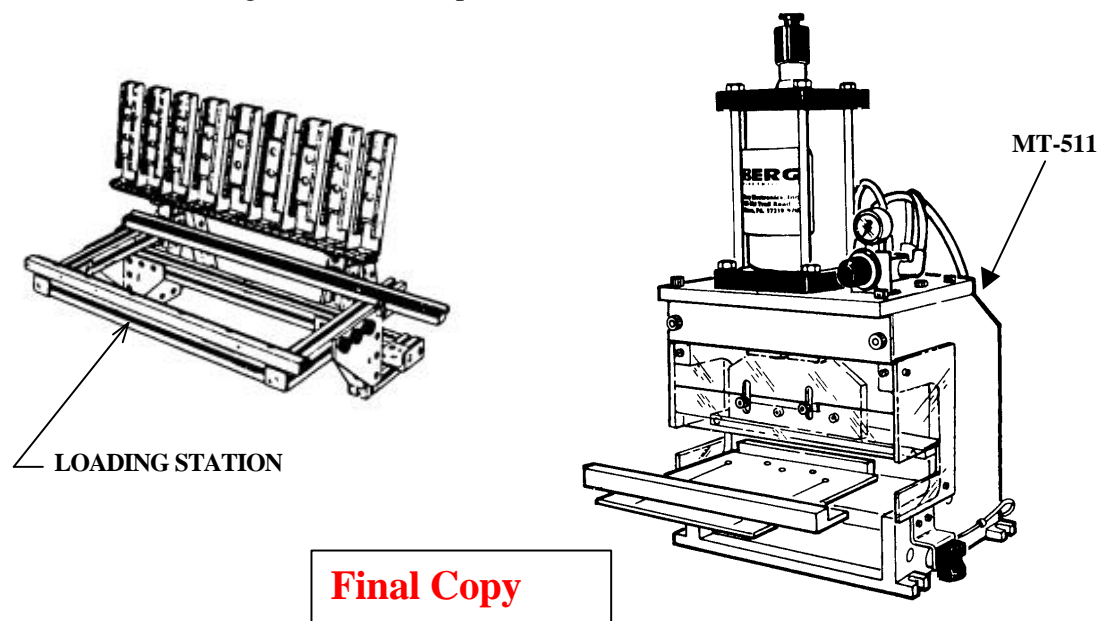
The MT-510 is a manual press that can insert up to 128 press fit pins in one stroke. It can also be used for solder tail parts that have press pegs. The MT-510 can be used for all 4 and 5 row Metral right angle receptacles and right angle headers.



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.



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