



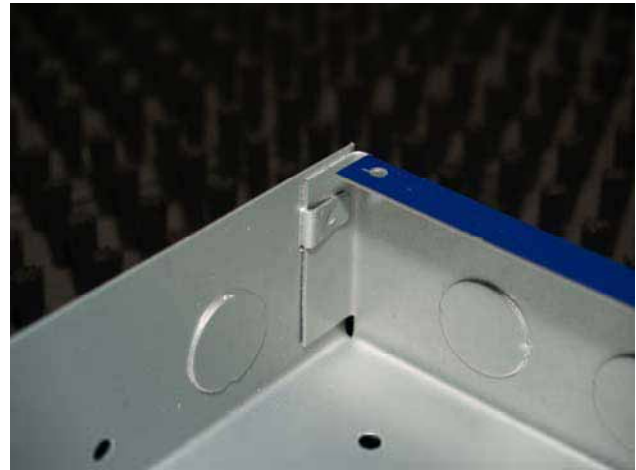
JOINING PARTS WITH SNAPLOCK™ ELIMINATES FASTENERS OR WELDING

THE PROBLEM:

Many fabricating jobs require the joining of parts. Typically, fabricators use fasteners (screws, rivets) or welds to do so. While effective, they add secondary operations and material costs to the job. Joining parts doesn't necessarily require fasteners or welds. Applications are available that can help lower manufacturing costs and speed time to delivery.

THE MATE SOLUTION:

Mate Precision Tooling developed SnapLock™ for just such a purpose. SnapLock allows fabricators to join parts, even if they are of dissimilar type and/or thickness. SnapLock eliminates expensive secondary operations such as spot welding, riveting or fastening with threaded hardware. With SnapLock, fabricated assemblies can be created efficiently and effectively with CNC precision.



Above: SnapLock used on prepainted material, with assembly completed in a press brake



SnapLock is a Lance and Form assembly that provides a self-locking, spring loaded tab that snaps securely into a pre-punched hole. When engaged with a hole in the receiving tab, the small button provides a positive mechanical lock. It can also be removed, if needed.

Benefits include;

- Precision joint placement with CNC accuracy
- Assembly done in press brake
- Parts attached by hand in assembly
- Form placement can be inside or outside
- Eliminates or minimizes fasteners
- Joins dissimilar material types, such as stainless steel and aluminum
- Joins dissimilar material thicknesses
- Eliminates expensive secondary operations
- Fabricate and assemble pre-painted material

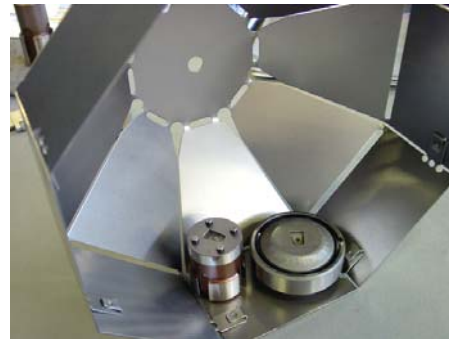


SOLUTION BULLETIN



Besides joining parts, customers have used SnapLock in a wide variety of ways including:

- Locators for precise parts fit
- Shelf locators for metal furniture
- Easing downstream assembly
 - Eliminate tools and hardware
 - Eliminate welding
- Joining materials where welding is not possible, such as metal and PVC
- Use on pre-painted materials where hardware or welding could mar surface
- Many more!



POTENTIAL INDUSTRIES THAT COULD USE THESE TOOLS:

- Aerospace
- Appliances
- Commercial Furniture
- Electronics Enclosures where there is minimal stress
- Food Service Equipment/Refrigeration
- HVAC (Heating/Ventilation/Air Conditioning)
- Lighting
- All others!

ADDITIONAL INFORMATION:

- View videos of SnapLock at Mate's YouTube® site: <http://www.youtube.com/user/mateprecisiontooling>
 - SnapLock being fabricated in a turret press
 - Construction of a metal box shows SnapLock plus EasySnap™ and EasyBend™
- See how one customer improved throughput by 85% and decreased costs 20% with SnapLock. Download the article at <http://mate.com/snaplock/>

AVAILABLE TOOLING STYLES:

- Available for all presses.

MATERIAL RESTRICTIONS:

- Material thickness less than 16 gauge (1,50mm)
- Design variations are available for thicker materials

HOW TO ORDER:

- Consult a Mate Applications Specialist to determine the ideal tool for your needs.

OTHER MATE PRODUCTS TO CONSIDER:

- Threadform tools
- Extrusions
- EasyTap™
- Other standard design lance and form tools