



EasyBend™

Complex Bending Made Easy



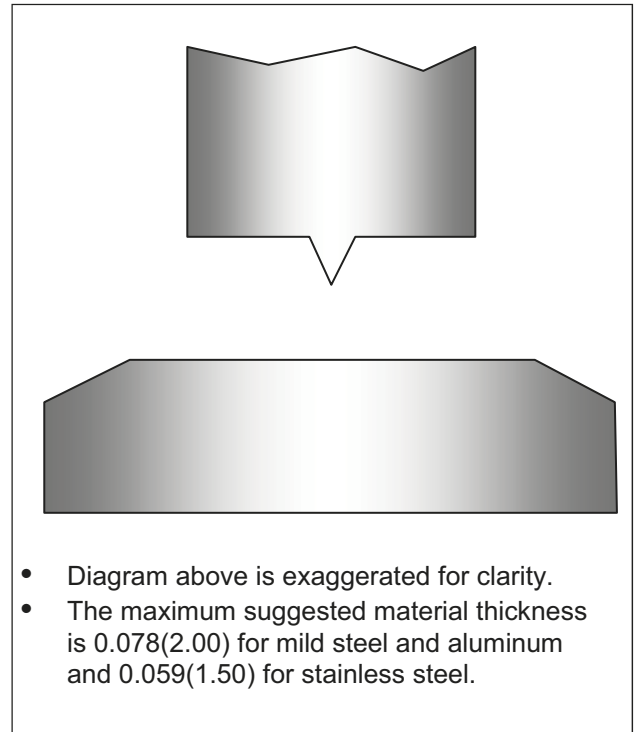
Introducing EasyBend™ from Mate Precision Tooling...

Complex Fabrications Made Easy.

EasyBend™ is a tool used to create bend lines suitable for subsequent hand bending operations. EasyBend is ideal for intricate fabricated assemblies where conventional press brake forming techniques are inconvenient. EasyBend is quick, easy and convenient.

How does it work?

EasyBend features an upper tool with a linear V-line stencil engraved onto the face of the tool. The lower tool is a blank die. As the upper tool penetrates the sheet metal a crisp bend line is created. This makes the sheet metal suitable for subsequent bending by hand. The continuous nature of the design allows the length of the snap-line to a maximum suggested length of 12 inches (300mm). The angle of the stencil point is related to the angle of the desired form, which must be specified when ordered. The actual depth of penetration is dependent on the ductility and thickness of the work piece.



Before punching.



After punching with EasyBend™.



Hand bend along bend line created with EasyBend™.



Component after hand bending.



Maximum Flexibility.

EasyBend™ is available to suit popular tool styles and stations sizes for maximum flexibility

The maximum suggested material thickness is 0.078(2.00) for mild steel and aluminum and 0.059(1.50) for stainless steel. Thicker materials require more force to bend.

Contact your Customer Service Engineer or Sales Engineer to discuss your next application.

Visit us on the web at: mate.com



EasySnap™ Scrapless Part Retention



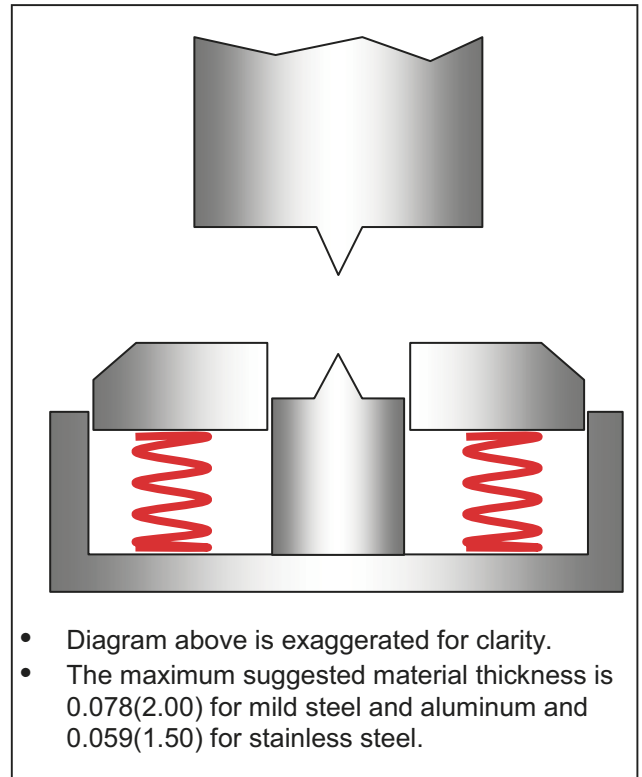
Introducing EasySnap™ from Mate Precision Tooling...

Scrapless Part Retention.

EasySnap™ is a scrapless part retention system designed to allow the fabricator to simply snap punched components out of sheet metal. EasySnap reduces the need for slitting and micro-joints for part retention.

How does it work?

EasySnap features a liner V-line stencil machined onto the face of the upper and lower tools. As the tools penetrate the sheet they create a line of weakness (snap-line) in both surfaces of the sheet metal. The sheet metal can then be snapped apart by bending the material along the snap-line. The continuous nature of the design allows the length of the snap-line to a maximum suggested length of 12 inches (300mm). The actual depth of penetration and force required to snap the part is dependent on the ductility and thickness of the material being punched.



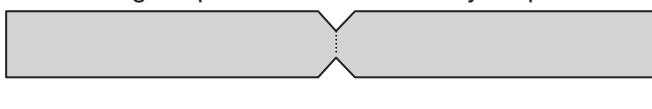
Before punching.



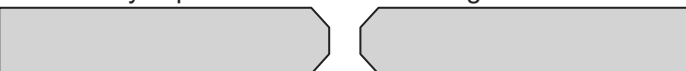
After punching with EasySnap™.



Bend along snap-line created with EasySnap™.



Parts easily separated with burr free edges.



Maximum Flexibility.

EasySnap™ is available to suit popular tool styles and stations sizes for maximum flexibility.

The maximum suggested material thickness is 0.078(2.00) for mild steel and aluminum and 0.059(1.50) for stainless steel. Thicker materials require more force to snap apart.

Contact your Customer Service Engineer or Sales Engineer to discuss your next application.

Visit us on the web at: mate.com