Dimple-free Holes

Aluminum - Steel - Copper or Brass

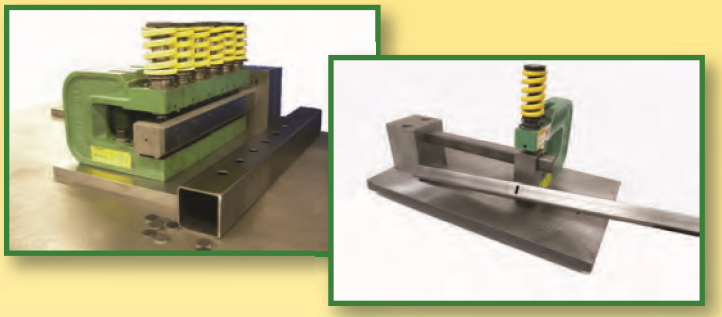
Mandrel Tube Punching

TP-2M

This mandrel tube punching unit will pierce holes 180° apart with each press stroke.

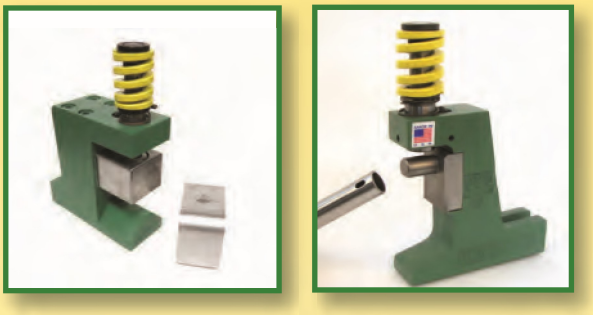
UniPunch provides custom mandrel style hole punching units for dimple-free holes in tube or pipe. Mandrel punching units are offered for producing round or shaped holes in single or multiple hole configurations in round, square or rectangle tubing or pipe. Due to the style variations, shut heights and die heights are determined by individual mandrel unit designs.

The photos below are examples of additional UniPunch designs that use mandrels in the tube for dimple free hole. For a prompt quotation, please send us a detailed drawing or sketch including tube or pipe size, hole size and hole location.



C-Frame Design

The tube mandrel is mounted into a steel block for single or multiple hole patterns. Standard UniPunch C-Frame units are used for producing round or shaped holes.

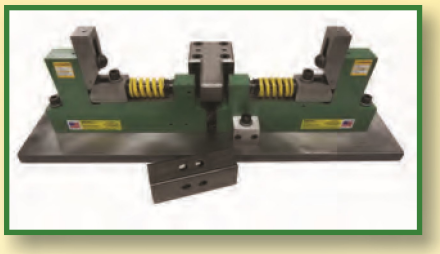


AE Design

These mandrel units are designed for producing holes near the ends of tube or pipe. Interchangeable mandrels are available for different tube or hole sizes.

TP-2 Long Mandrel

The 8" throat unit allows holes to be pierced at a greater distance from the tube end.



HZ Design

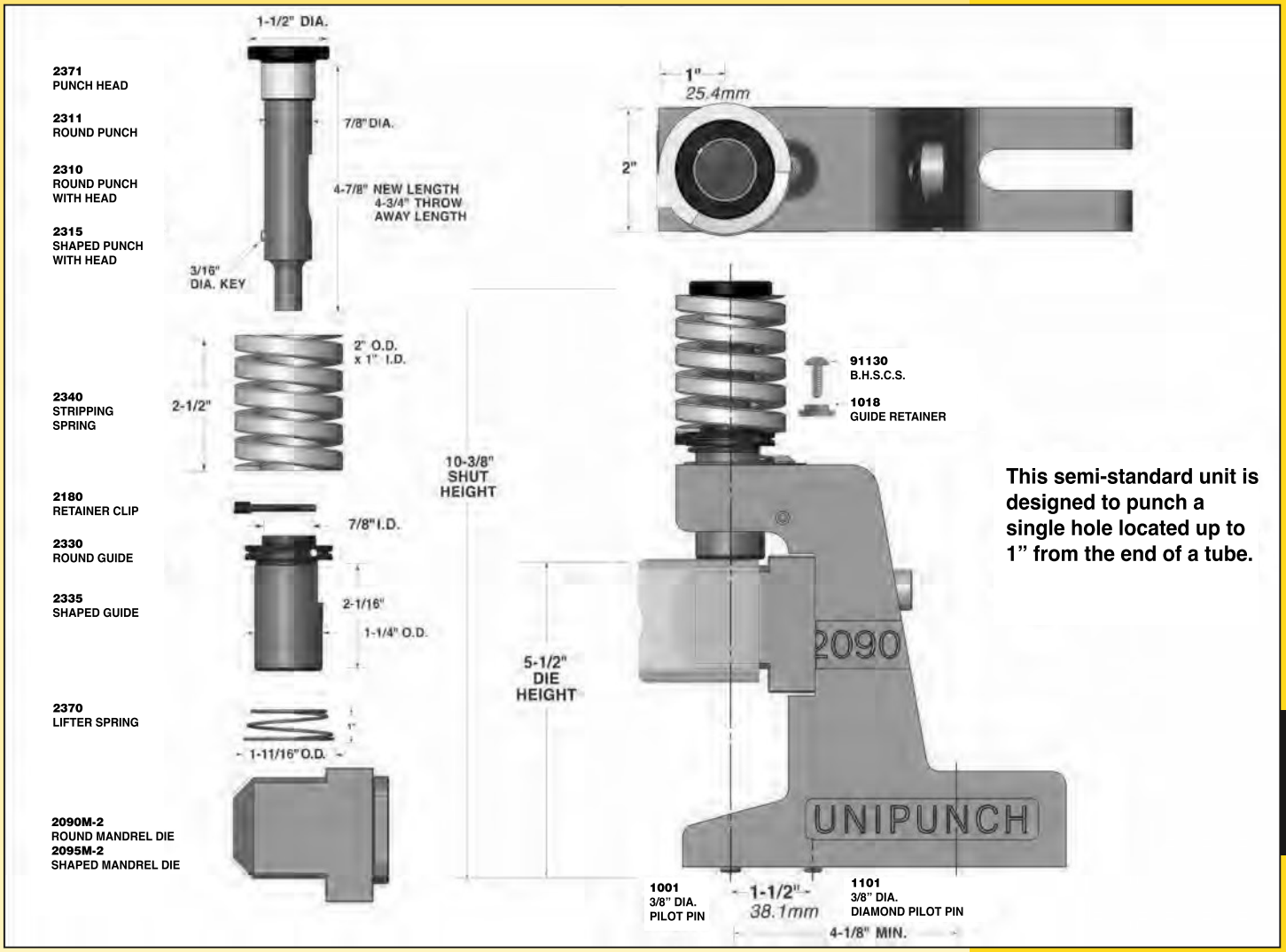
This mandrel system will produce dimple-free holes 180° apart with each press stroke. UniPunch horizontal units are used for producing round or shaped holes.

TP-AE

Specifications & Operating Instructions

OPERATING SHUT HEIGHT:	10-3/8" (263.5mm)
MIN. SHUT HEIGHT:	10-1/4" 260.3mm)
UNIT OPEN HEIGHT:	11" (279.4mm)
DIE HEIGHT:	5-1/2" (139.7mm)
MIN. DIE CLEARANCE:	.006" (.15mm)

Complete Round Units	Complete Shaped Units	Common Dimensions	
Part No.	Part No.	Throat Depth	Shipping Weight
2090M	2095M	1"	14 lbs.



This semi-standard unit is designed to punch a single hole located up to 1" from the end of a tube.

Note: Mandrel dies are custom made to your tube specifications.
Please provide drawing showing the hole size and location on the tube.