

UniPunch Products Inc

A Series

Rugged, heavy duty Units for multiple hole punching and notching. Standard 8 3/8" shut height and 3 1/2" die height.



Corner Notching Units

A Series Units

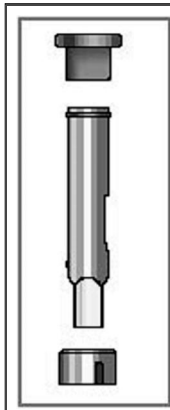
offer you a wide range of standard holder widths, throat depths, and round and shaped Punches and Dies. Strong stripping springs and rugged holders insure burr-free holes with minimal maintenance. Quick, accurate template locations and flexibility with various mounting methods (without special equipment) are also features of the "A" Series.

AH Units punch up to 1/2" thick materials.

These units feature multiple heavy duty springs that "strip" the Punches from mild steel as thick as 1/2". They incorporate hardened steel bushings that provide long life and accurate rigid alignment of punches.



Edge Notching Units



UniPunch "A" Series Units feature economical two-piece Punches. Punch heads and bodies are separate, which lets you quickly change hole size and shape, simply by changing the inexpensive Punch bodies. Slip-on retainer pins hold Punches in place without any special tools. Use and reuse the Punch Heads indefinitely. Low-cost Die Buttons complete the Punch system and offer close tolerances for accuracy and interchangeability.



Vee Notching Units

Notching Units for materials up to 1/4" th.

- 5" x 5" max. Corner Notches
- 3" x 8" max. Edge Notches
- 1", 1 1/2", and 3" Vees at 90°



FTA Units provide unrestricted throat depth. These Units punch holes in sheets where the throat depth of standard UniPunch Units is a limiting factor. This system permits unobstructed feed of large flat workpieces.

Francis Company Inc

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AJ-A Unit

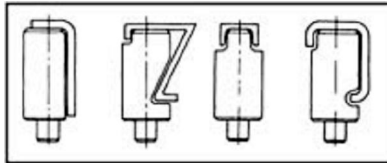


AJ-P Unit

“AJ” Series Units are ideal for punching angles, extrusions, channels, and other formed parts. Interchangeable Die Buttons and Pedestal Dies provide added versatility in punching round and shaped holes. Hardened alloy steel die adapters make The “AJ” Series especially suited for tough punching applications.

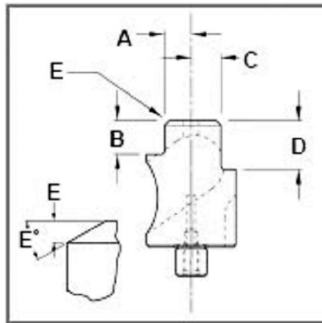
Optional Pedestal Dies

Our optional Pedestal Dies are interchangeable with die adapters. With a wide range of diameters and configurations, they increase the versatility of the “AJ” Units and let you punch holes in angles, channels and extrusions, easily and accurately.



Requirements when altering a Pedestal Die

Common requirements when altering a pedestal die are shown in the examples below. Use the drawings below as a guideline to your specific application. Submit a drawing of your part to the UniPunch Quotations Department for cost.

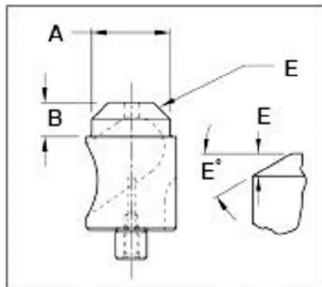


1288 Altered Ped Die - Flats

Required parameters

- 1289 Altered Ped Die - Boss
 Required parameters
 A = Front Flat Location
 B = Front Flat Height
 C = Rear Flat Location
 D = Rear Flat Height

- E = Chamfer
 Specify Dia. or Shape
 TDC -Total Die
 Clearance



1289 Altered Ped Die - Boss

Required parameters

- A = Top Diameter
 B = Front/Top Height
 E = Chamfer - 45° unless otherwise requested

- Specify Dia. or Shape
 TDC -Total Die
 Clearance

TP Series

For hole punching
in round or shaped tubes.



TP 1 1/4 Unit



TP 2 3/8 Unit

TP 11/4 & TP 23/8 Units

These units provide two sided punching in round or square tubes. Each assembly top and bottom contains a Punch to pierce two holes in-line on each side of the tube. The tubing is supported on all sides during punching. If only one hole is desired, the removal of the bottom Punch accommodates this option. The Units require upper and lower Templates. One template is attached to the Ram of the Press, the other to the bed. A tube is placed into the lower assembly, the Ram is then lowered for line up adjustment, and the units are then secured to the Templates and are ready to punch holes. Due to lack of Die, unsupported tubes distort when punched.



TP-2 Units

This self contained 'C' Frame Unit utilizes pilot pins in the bottom of the holder for mounting on 1/2" thick Templates with nothing attached to the Press Ram. The tubing is supported on all sides during punching. The Units provide straightthrough holes with one punch. The top hole has distortion, which varies depending upon Punch size, tube OD, wall thickness and material type. The bottom hole is punched into a die, providing minimal distortion.



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B Series

Compact Units for lighter fabrication. Standard 5 1/2 " shut height and 2 19/32" die height.



Corner Notching Units

B Series Punching and Notching Units are designed for press equipment with limited Die space. Round and shaped holes are available up to 3/2" in diameter.

"B" Units also offer you a wide range of standard holder widths and throat depths with round or shaped Punches and Dies. Strong stripping springs and rugged holders insure uniform holes. Units feature quick-change Die Block retention and easy die removal.



Edge Notching Units

	<p>Unipunch B Series Punches and Dies</p> <ul style="list-style-type: none">• A-2 tool steel Punches extend tool life up to 40% and are resistant to chipping and cracking.• Two-piece Punch design—have removable heads for using "shims" to restore full length after sharpening.
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Vee Notching Units

Notching Units for mild steel up to 10 ga. thick

- 5" x 5" max. Corner Notches
- 3" x 8" max. Edge Notches
- 1" and 1 1/2" 90° Vee Notches



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