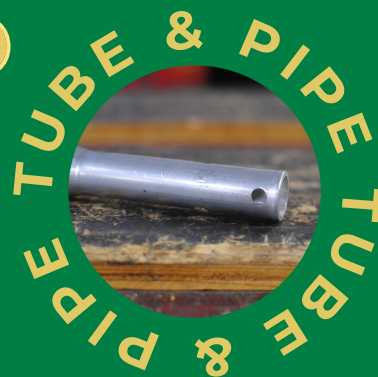


TP SERIES LINEUP

TP-1 1/4, TP-2 3/8, TP-2, TP-2M

- Punch round and shaped tubing
- Punch both sides of tube, or just one side
- Punch "dimpled" or deformation holes



TP-1 1/4 TUBE & PIPE PUNCHING UNIT

The TP-1 1/4 unit provides two sided punching in round or square tubes. The TP-1 1/4 is designed for punching tube diameters from 9/16" O.D. (14.3mm) to 1 1/4" O.D. (31.75mm) round or square. 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. Depending on your material thickness, punch diameters are available from .0937" (2.38mm) to .500" (12.7mm).



TP-2 3/8 TUBE & PIPE PUNCHING UNIT

The TP-2 3/8 unit provides two sided punching in round or shaped tubes. The unit is designed for punching tube diameters from 1 5/16" O.D. to 2 3/8" O.D. Each assembly top and bottom contains a punch to pierce one hole in-line on each side of the tube. The tubing is supported on all sides during punching. If only one hole is desired, simply remove one of the punches. Depending on your material thickness, standard punch diameters are available from .0937" to .500" (12.7mm).



TP-2 TUBE & PIPE PUNCHING UNIT

The TP-2 unit provides straight through holes with one punch in round or shaped tubing. The unit is designed for punching tube diameters from 9/16" O.D. to 1" O.D. The tubing is supported on all sides during punching. The top hole is dimpled; the bottom hole is punched into a die, providing a dimple free hole. (UniPunch offers custom mandrel style punching units for dimple free holes. See TP-2M.) Depending on your material thickness, punch diameters are available from .0937" to .4375".



TP-2M UNIT MANDREL TUBE PUNCHING

The TP-2M mandrel style unit provides dimple-free holes in round, square or rectangular tube or pipe. The unit is designed for punching tube sizes up to 1", and each unit is designed for the particular hole size and tubing application. Depending on your material thickness, standard punch diameters are available up to .4375".



TP-AE UNIT MANDREL TUBE PUNCHING

The TP-AE mandrel unit provides dimple-free holes near the end of round or shaped tube or pipe. Maximum hole size or shape depends on tube size and material wall thickness. The unit can also be used for notching or slitting the end of the tube.

CONTACT UNIPUNCH TO LEARN MORE ABOUT PUNCHING PARTS FAST

1-800-828-7061

WWW.UNIPUNCH.COM

INFO@UNIPUNCH.COM

TP-2"

1" (25.4mm) round max.
7/8" (22.2mm) square max.

SPECIFICATIONS & OPERATING INSTRUCTIONS

MAX. SHUT HEIGHT:	9-3/8" (238.1 mm)
MIN. SHUT HEIGHT:	9-1/4" (235mm)
UNIT OPEN HEIGHT:	11-13/16" (300mm)
MAX. TUBE SIZE:	1.000" round (25.40mm) 7/8" square (22.2mm)
MIN. TUBE SIZE:	9/16" (14.3mm) round or square
MAX. WALL THICKNESS (MILD STEEL):	.125" (.318mm)
MIN. WALL THICKNESS:	.031" (.79mm)
MIN DIE CLEARANCE:	.012" (.30mm)
MAX. PUNCH DIAMETER:	.4375" (11.1mm)

* For shaped holes, contact UniPunch Sales Department

TO ORDER, SPECIFY:

- Size of Tube
- Hole Diameter
- Wall Thickness
- Type of Material

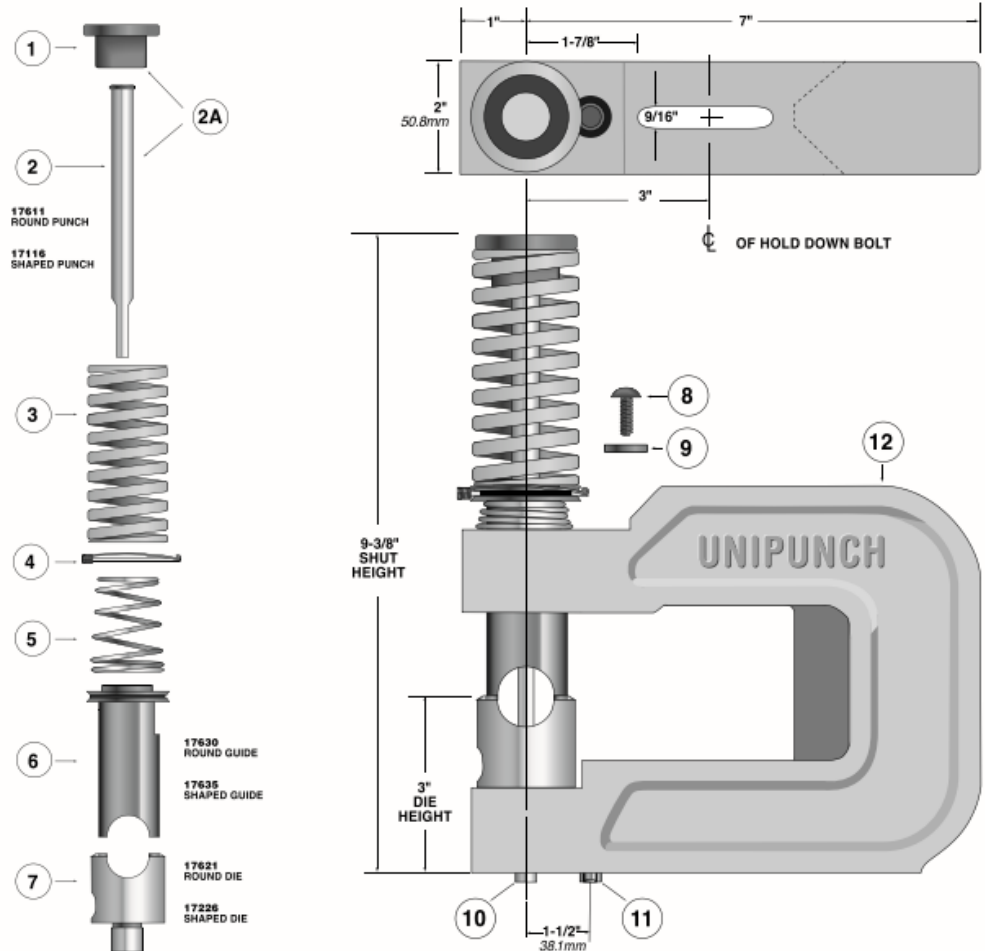
* Because there is no die to support the tube at the site of the hole, tubes distort when punching. Distortion varies depending on punch size, tube O.D., wall thickness, and material type.

KIT AND SHIMS

Key Kit: 9414

To produce shaped holes in the model TP-2 unit (eg. obround, square) contact the UniPunch Sales Department

*Bottom hole in tube will not be distorted due to die support.



Item	Description	FOR ROUND TUBES UP TO 1.000" O. D.	FOR SQUARE TUBES UP TO .875" SQ.
		Part No.	Part No.
	Complete Unit (Includes Punch & Die)	17600	17700
1	Punch Head	17671	17671
2	Round Punch	17611	17611
2A	Round Punch with Head	17610	17610
3	Stripping Spring	17640	17640
4	Punch Retainer Pin	2180L	2180
5	Lifter Spring	17670	17670
6	Guide (Specify Tube O.D.)	17630	17730
7	Die (Specify Tube O.D.)	17621	17721
8	B.H.S.C.S.	91130	91130
9	Guide Retainer	1018	1018
10	Pilot Pin (Round)	1120	1120
11	Pilot Pin (Diamond)	1101	1101
12	Holder	17650	17650

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