

FORMING TOOL

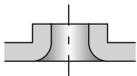
Not only punching but also various forming processes are possible with the NC turret punch press.

TYPICAL FORMING PROCESS

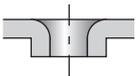
■ BURRING FOR THREAD FORM

Forming process for making tubes of threading for screw.

[Forming up]



[Forming down]



There are two types of tools.

Pre-hole one process type

Die which performs pre-hole processing and burring at the same time.

Pre-hole two process type

Die for burring after pre-hole processing

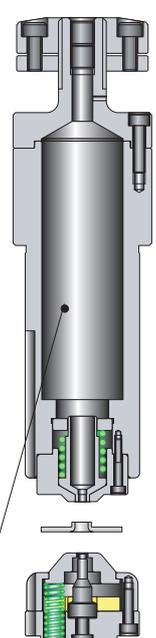
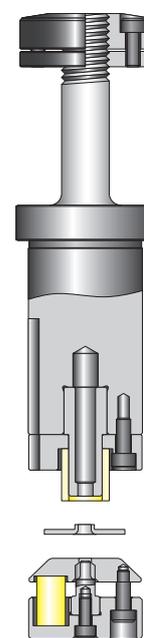
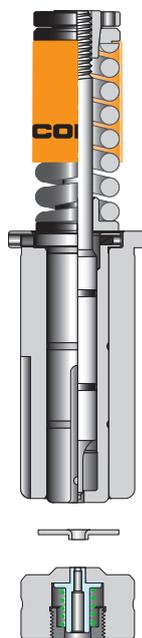
Our standard dimension table (other than upward & downward hole one process type)

Screw size	Pin diameter	Pre-hole
M 2 . 5	φ 2 . 1	φ 1 . 2
M 3	φ 2 . 6	φ 1 . 5
M 4	φ 3 . 4	φ 2 . 0
M 5	φ 4 . 3	φ 2 . 4
M 6	φ 5 . 1	φ 2 . 8

※TiN coating is applied to the upward burring pin of standard dimension.

※In the case of non-standard dimensions, please indicate the pin diameter.

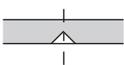
FORMING DOWN (Pre-piercing and forming) FORMING UP (Forming after Pre-piercing) FORMING UP (Pre-piercing and forming)



Slug accumulates in the upper tank.

■ CENTER POINT

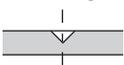
[Forming up]



• The standard is a height adjustment free type. (a die that required punch length adjustment for each plate thickness.)

• Standard center punch angle is 90 degree. Please specify if an angle other than 90 degree is desired.

[Forming down]

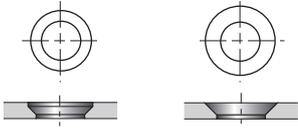
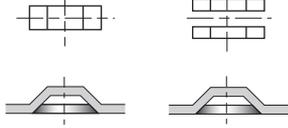
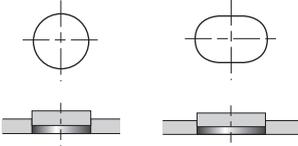
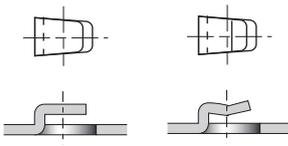
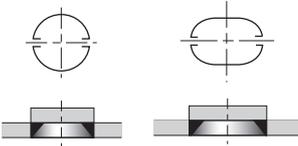
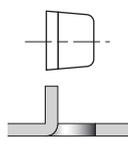
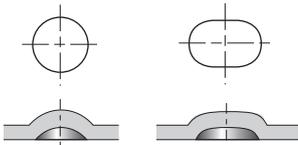
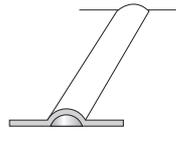
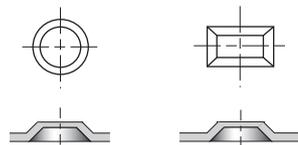
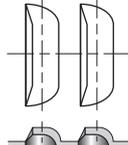
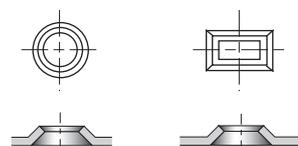
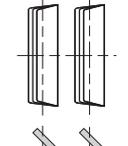
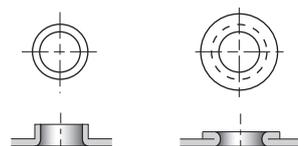
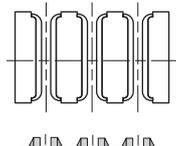


• The depth of the center point is optionally adjustable.

※We also produce a type that adjusts and fixes the punch length for each material thickness.

FORMING TOOL

Examples of other major forming

NAME	PRINCIPAL USE · SPECIAL NOTES	NAME	PRINCIPAL USE · SPECIAL NOTES
COUNTERSINK FOR COUNTERSUNK SCREW 	<ul style="list-style-type: none"> • Sink the head of the countersunk screw, rivets in the material. • Take the corner after the punching process. • Guide for tapping. 	BRIDGE, DOUBLE BRIDGE 	<ul style="list-style-type: none"> • Used for the seat of products. • Insert the circuit board. • Positioning.
HALF SHEAR 	<ul style="list-style-type: none"> • positioning, stoppers, etc. • The projection height is desirably 60% or less of the plate thickness. 	LANCE (Z-BENDING) 	<ul style="list-style-type: none"> • Used for hooks, positioning, stoppers, etc.
KNOCKOUT 	<ul style="list-style-type: none"> • Retain the scraps to the base material and remove it with a screwdriver etc. when using. • Positioning, stoppers, etc. 	LANCE (L-BENDING) 	<ul style="list-style-type: none"> • Used for positioning, stoppers, etc.
EMBOSS (DIMPLE) 	<ul style="list-style-type: none"> • Used for positioning etc. 	BEADING 	<ul style="list-style-type: none"> • Plate reinforcement.
EMBOSS 	<ul style="list-style-type: none"> • Used for the seat of products and the seat of bolts etc. • Stick the nameplate, seal etc. 	LOUVER FOR AIR FLOW 	<ul style="list-style-type: none"> • Air flow for ventilation. • Mini louvers are also used for positioning and stoppers.
COUNTERSINK 	<ul style="list-style-type: none"> • Sink the head of the countersunk screw. • Non-slip. 	LANCE FOR AIR FLOW 	<ul style="list-style-type: none"> • Air flow for ventilation.
BURRING · CURLING 	<ul style="list-style-type: none"> • Guidance and protection of pipes and cables. • Water drainage, air flow for ventilation. 	CARD GUIDE 	<ul style="list-style-type: none"> • Insert the circuit board.

There are various other forming tools.
Please also see the information and images on our website.

For More information,
please contact
CONIC tool sales desk.

CONIC Co., Ltd.
10-5 Taiheidai, Shoo-cho, Katsuta-gun,
Okayama 709-4321 Japan
Email: tools@conic.co.jp
https://www.conic.co.jp

CONIC PRECISION Co., Ltd.
55/22 Moo 4, Buengkumphroy, Lumlukka,
Phatumthani 12150 Thailand
TEL: (662) 159-9870 FAX: (662) 159-9872
Email: conic_thai@conic.co.jp