



THICK TURRET TOOLING

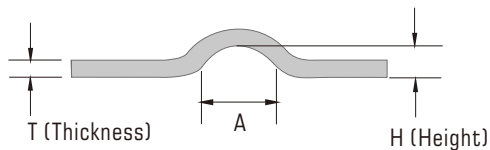


WHEEL TOOLS



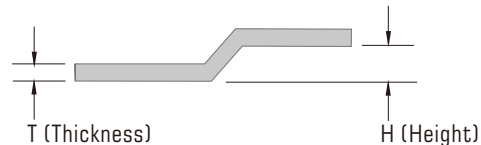
WHEEL RIB

- ① High speed forming, equal to table moving
- ② Make any shape in auto index station
- ③ No any nibbling marks
- ④ Any location of sheet start or end
- ⑤ Make Mini Radius on sheet: 16mm
- ⑥ For thickness: Mini. thickness: 0.8mm
Max: 1.5mm SS, 2.0mm MS, 2.5mm AL



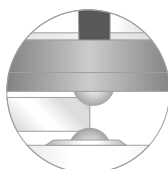
WHEEL OFFSET

- ① High speed forming, equal to table moving
- ② Make any shape in auto index station
- ③ No any nibbling marks
- ④ Any location of sheet start or end
- ⑤ Make Mini Radius on sheet: 25mm
- ⑥ For thickness: Mini. thickness: 0.8mm
Max: 1.5mm SS, 2.0mm MS, 2.0mm AL



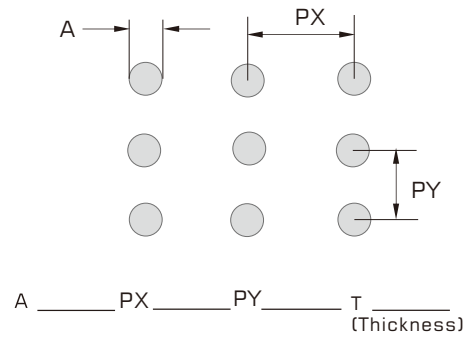
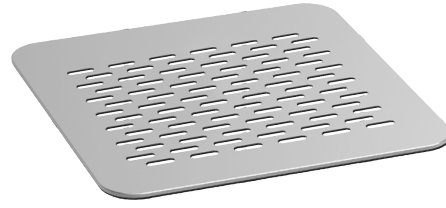
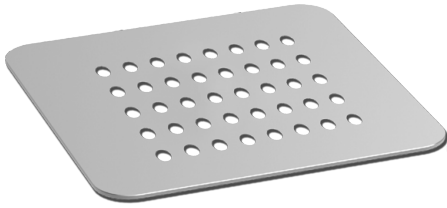
WHEEL DEBURRING

- ① High speed forming, equal to table moving
 - ② Remove burrs in auto index station
 - ③ Deburring on top and bottom of holes
 - ④ Any location of sheet start or end
 - ⑤ Designed for thick turret machine with hydraulic or servo programmable rams
- Mini Holes : Round 3.0mm
Mini slot width: 2.0mm
Max. Thickness: 5.0mm
Min. Thickness: 0.8mm



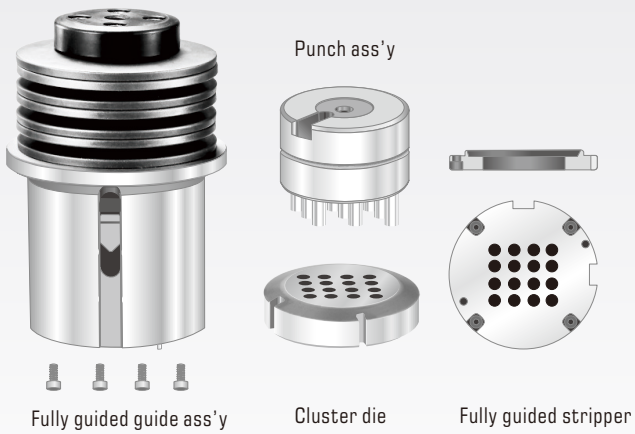


CLUSTER



Fully guided cluster

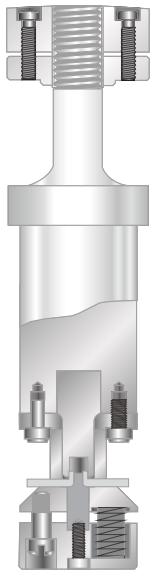
Recommad in Diameter/Width < 3.0mm



- A. Longer support for punch tip by stripper
- B. Accurate close clearance between punch and stripper
- C. More fixed stripper tightened by 4 screws
- D. TiCN punch available
- E. Quick adjust guide assembly Optional



EXTRUSION TAPPING



EXTRUSION TAPPING

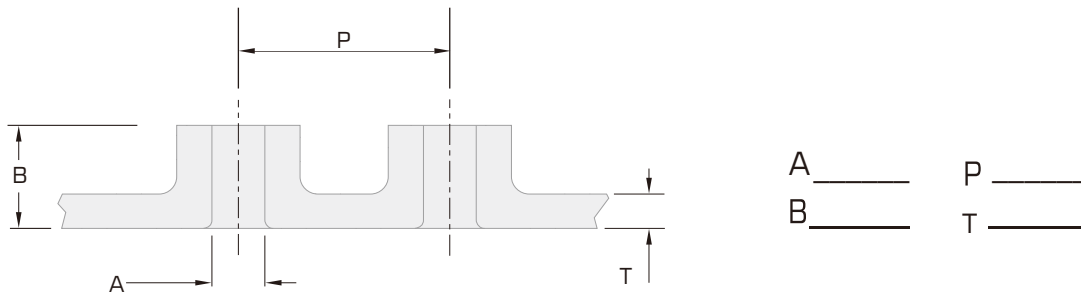


CHART FOR PREPUNCH SIZE

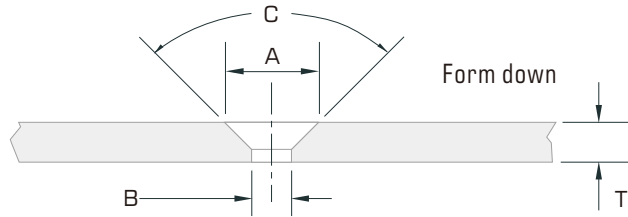
Material	Tapping size	Thickness I.D. C size	0.8	1.0	1.2	1.6	2.0	2.3
			Aluminum Mild steel	M2.6	2.21	1.3	1.3	1.3
M3	2.57	1.3		1.3	1.6	1.6	N/A	N/A
M4	3.40	2.0		2.0	2.0	2.3	2.3	2.5
M5	4.30	N/A		2.3	2.3	2.8	2.8	3.0
M6	5.20	N/A		N/A	N/A	3.0	3.8	3.8
Stainless steel	M2.6	2.21	1.3	1.3	N/A	N/A	N/A	N/A
	M3	2.57	1.3	1.6	1.8	N/A	N/A	N/A
	M4	3.40	2.0	2.0	2.0	N/A	N/A	N/A
	M5	4.30	N/A	2.3	2.3	N/A	N/A	N/A
	M6	5.20	N/A	3.0	3.0	N/A	N/A	N/A



COUNTERSINK

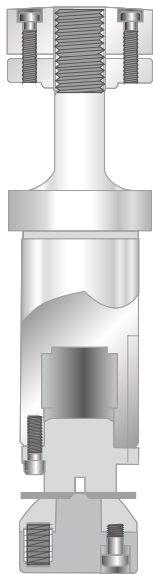


COUNTERSINK

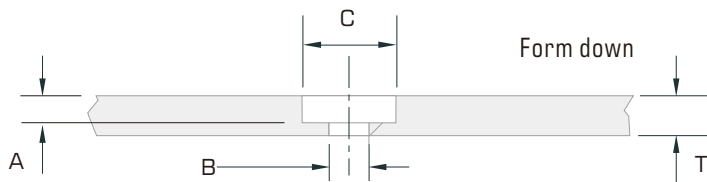


A _____
 B _____
 C _____
 T _____

Material Type _____
 Machine Type _____
 Tooling Station _____

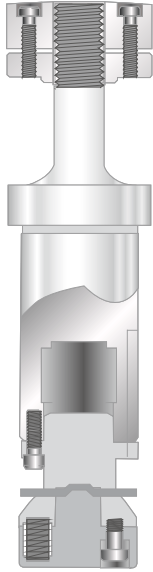


COUNTERSINK

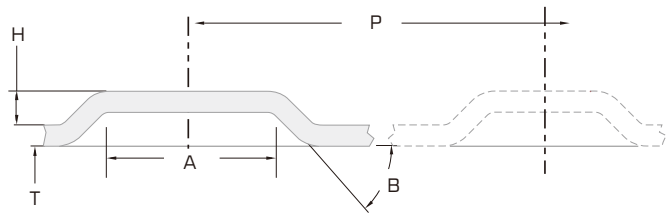


A _____
 B _____
 C _____
 T _____

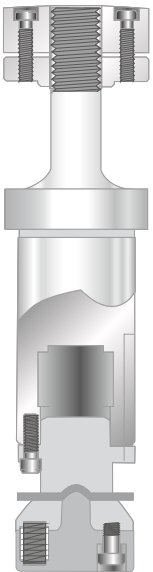
Material Type _____
 Machine Type _____
 Tooling Station _____



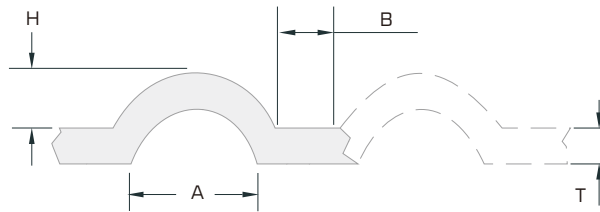
EMBOSS



A _____ H _____
B _____ T _____ P _____



COUNTINUOUS BEAD

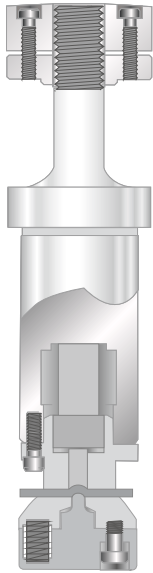


A _____ H _____
B _____ T _____

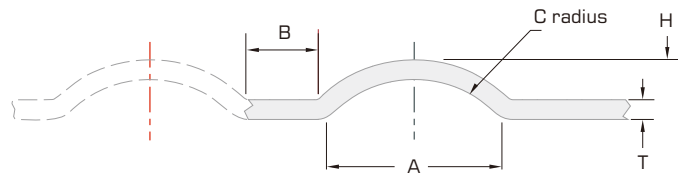


FORMING TOOLS

DIMPLE/EMBOSS COUNTERSINK



DIMPLE



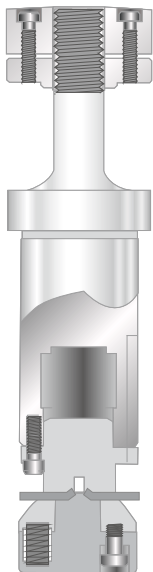
A _____

B _____

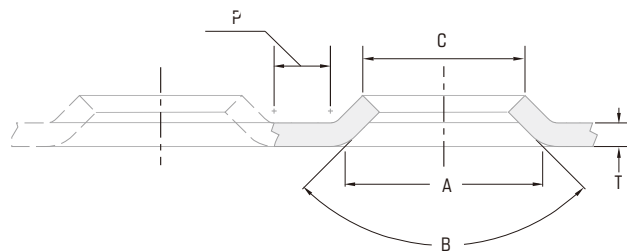
C _____

H _____

T _____



EMBOSS COUNTERSINK



A _____

B _____

C _____

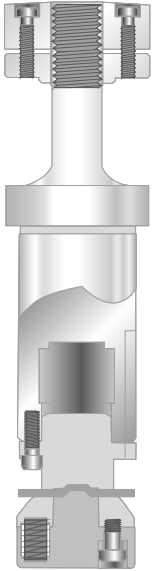
H _____

P _____

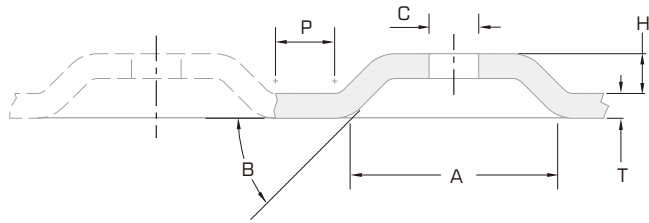
T _____



EMBOSS EXTRUSION



EMBOSS EXTRUSION

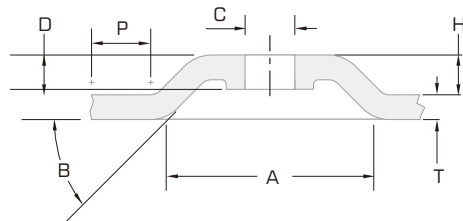


- | | | | |
|---|-------|---|-------|
| A | _____ | H | _____ |
| B | _____ | P | _____ |
| C | _____ | T | _____ |

Note: The tooling need prepunch



EMBOSS EXTRUSION



- | | | | | | |
|---|-------|---|-------|---|-------|
| A | _____ | D | _____ | P | _____ |
| B | _____ | H | _____ | T | _____ |
| C | _____ | | | | |

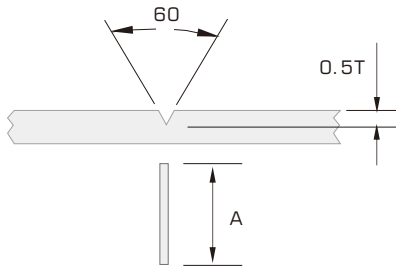


FORMING TOOLS

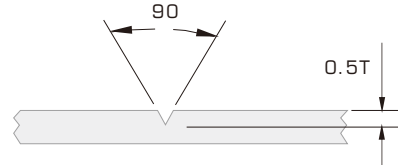
LOGO STAMPING/MARKING TOOL



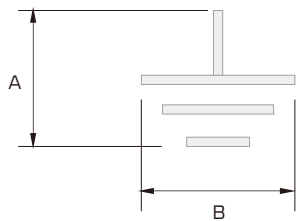
V LINE MARKING



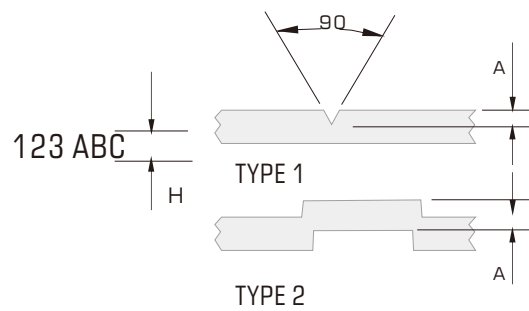
CENTER POINT



EARTH GROUND

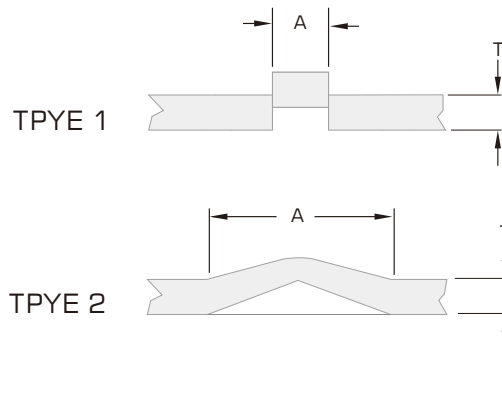


LOGO MARKING

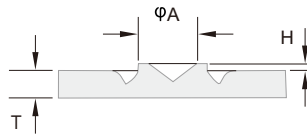




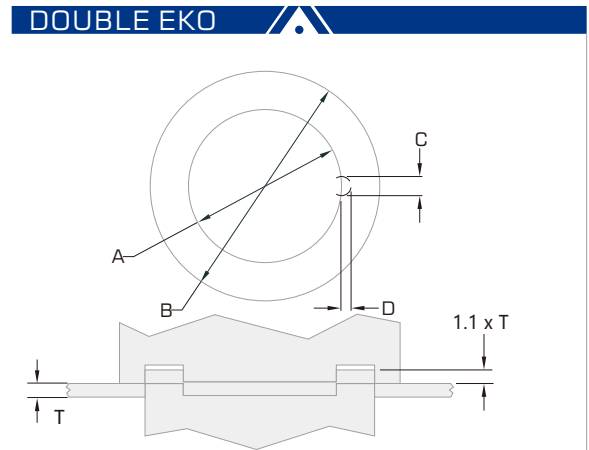
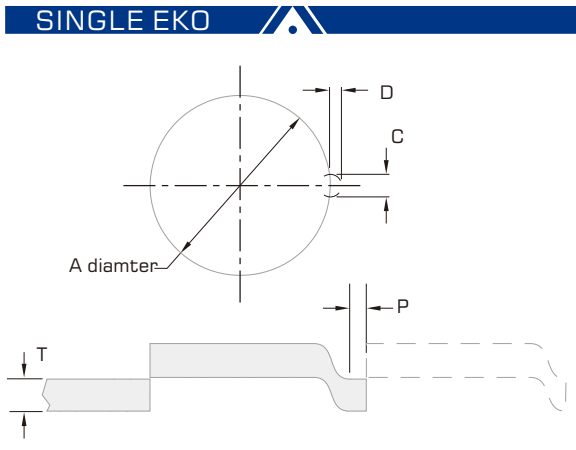
SHEAR BUTTON



LOCATOR TOOL



1. Tool can not be used for SUS304
2. $\pm 0.02\text{mm}$ deformation appears of reverse side
3. More than 2.0mm thick material may swell around the formed area
4. FAB spring pack can not be used for this tool



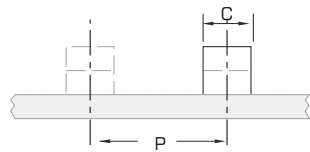
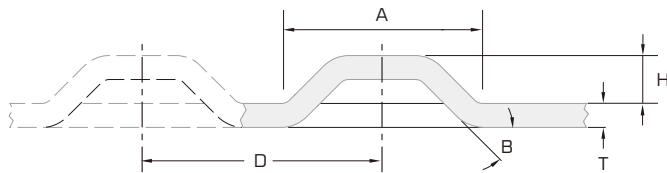
A _____ D _____ Material Type _____
B _____ P _____ Machine Type _____
C _____ T _____ Tooling Station _____



BRIDGE TOOL

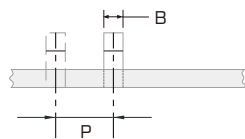
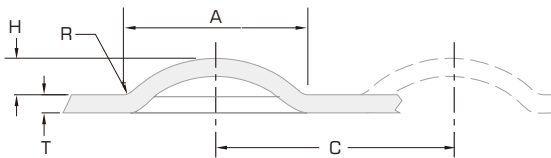


BRIDGE-FLAT TOP



A _____
B _____ H _____
C _____ P _____
D _____ T _____

BRIDGE-RADIUS TOP



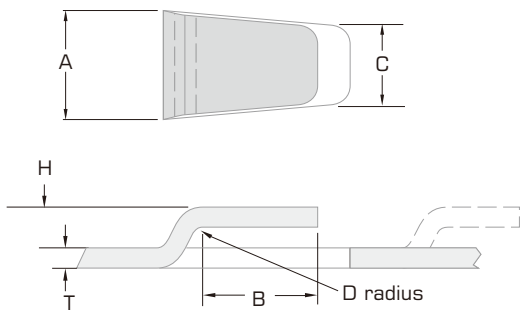
A _____ H _____
B _____ R _____
C _____ T _____
P _____



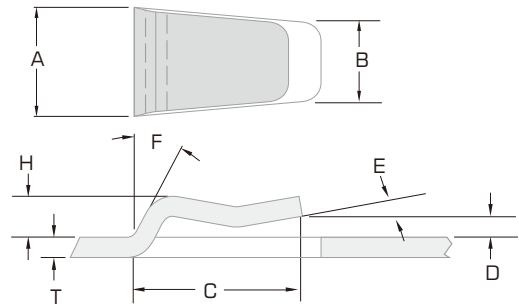
LANCE AND FORM



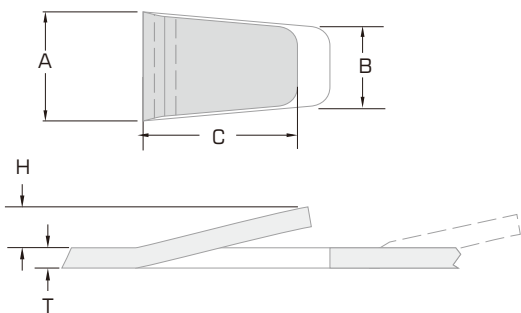
LANCE AND FORM SELF CLIP



LANCE AND FORM SPRING CLIP



LANCE AND FORM TAB



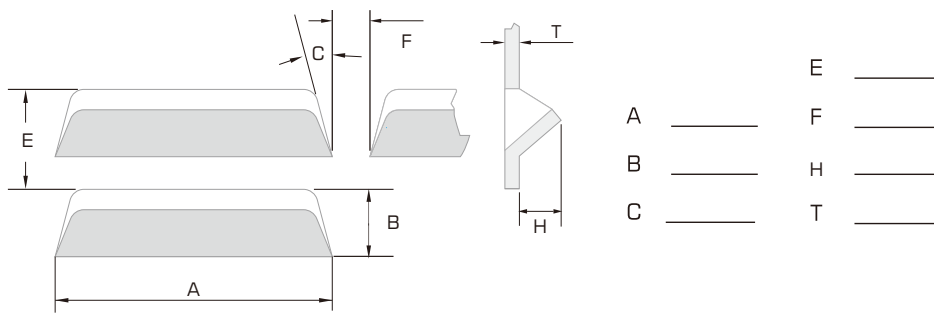
- | | | | | | |
|---|-------|---|-------|---|-------|
| A | _____ | E | _____ | P | _____ |
| B | _____ | F | _____ | H | _____ |
| C | _____ | H | _____ | T | _____ |
| D | _____ | | | | |



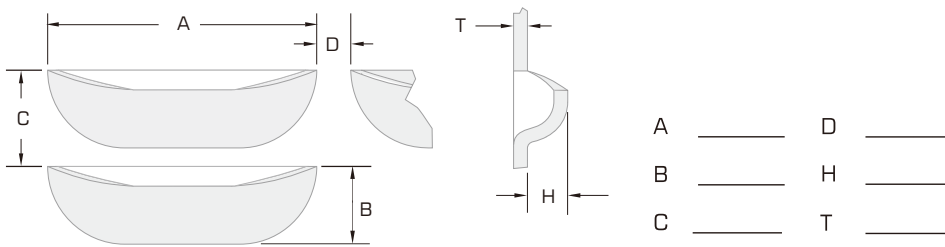
LOUVER TOOL



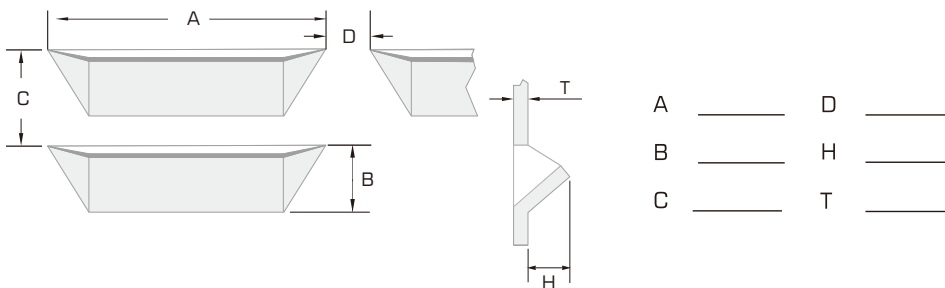
OPEN STRAIGHT LOUVER



CLOSE RADIUS LOUVER



CLOSE STRAIGHT LOUVER



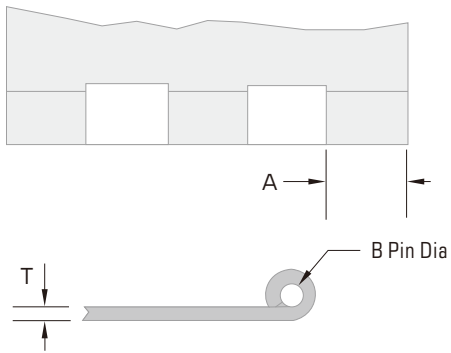


FORMING TOOLS

HINGLE TOOL/CARD GUIDE



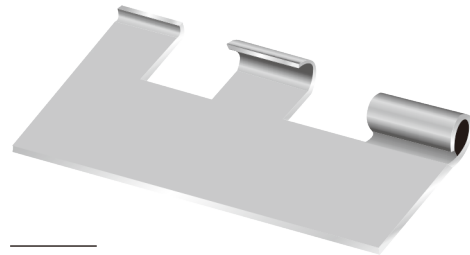
HINGLE TOOL



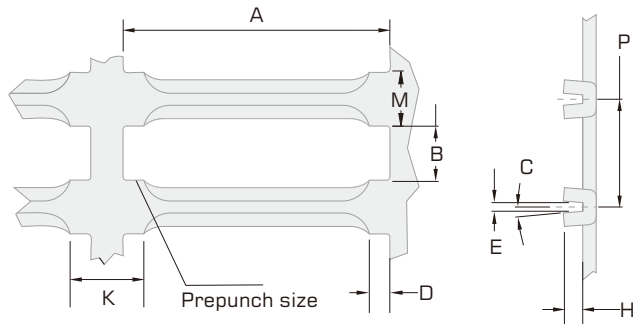
A _____

B _____

T _____



CARD GUIDE



A _____

B _____

C _____

D _____

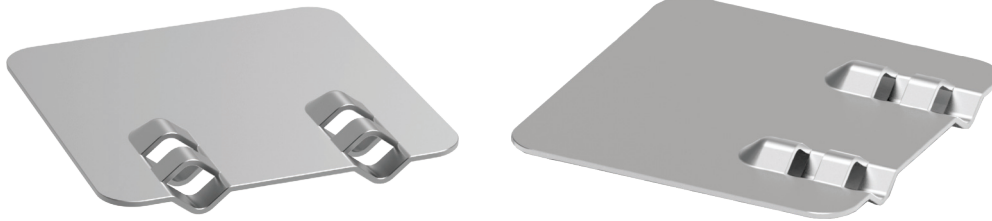
E _____

H _____

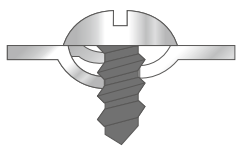
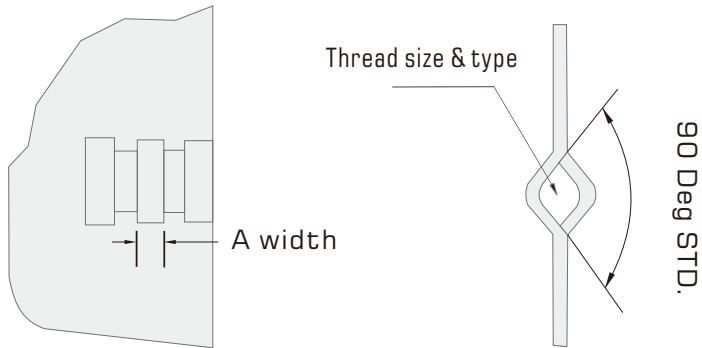
K _____

P _____

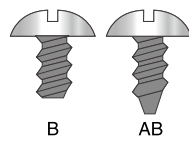
M _____



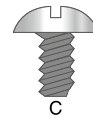
THREAD LOOP



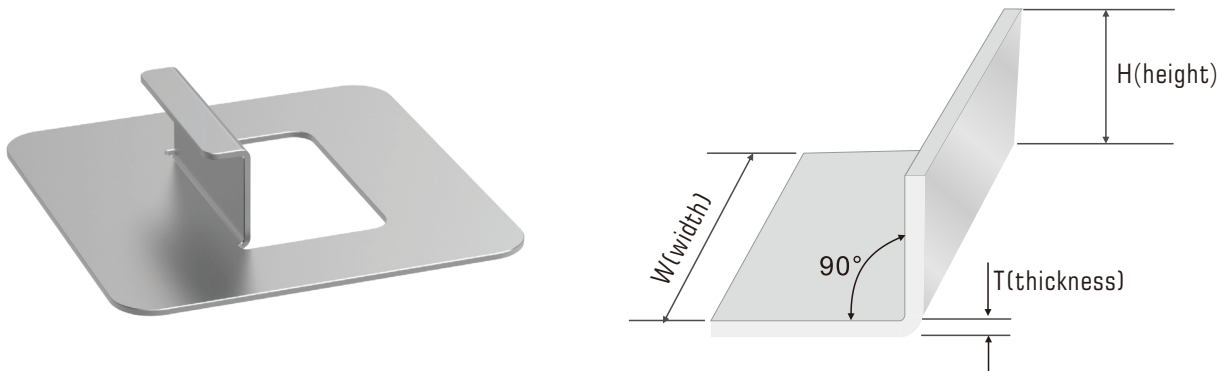
THREAD FORM



B AB

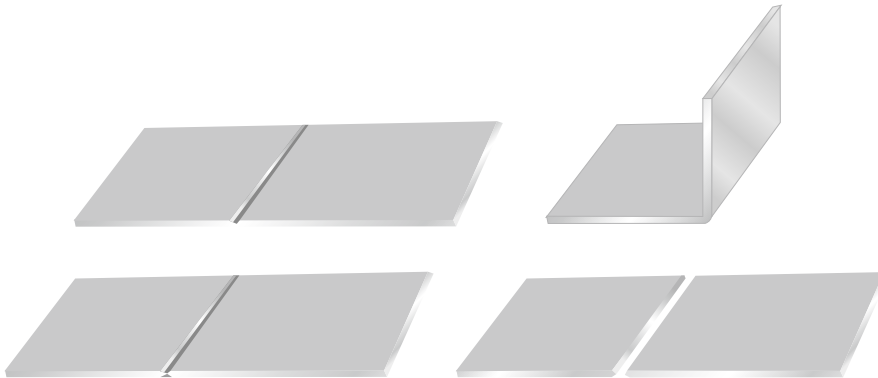


C
(Machine Screws)



BENDING TOOL

- 1 Tool can bend sheet to 90 degree, not 88 degree
- 2 For aluminium and mild steel, thickness 0.8mm~2.0mm
For stainless steel, thickness 0.8mm~1.5mm
Need not change insert
- 3 D station, Max height = 18mm, Max. width = 80mm

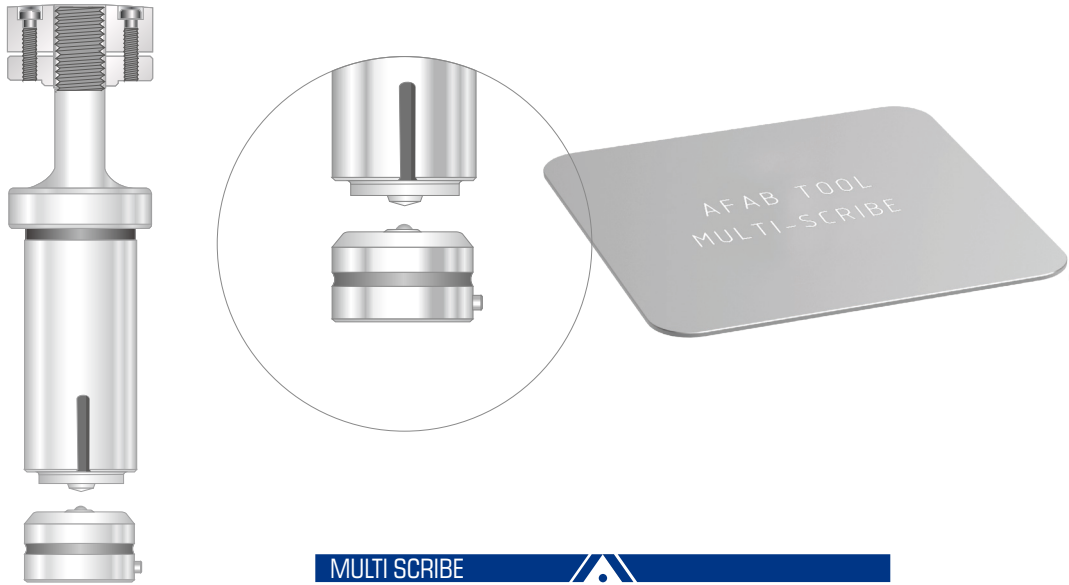


BENDING TOOL

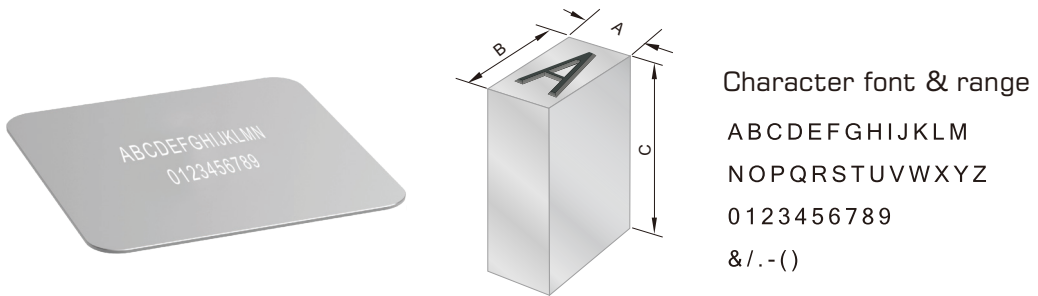
- 1 Be available at B,C,D station
- 2 Punch ass'y designed for specified thickness and material. Not adjust
- 3 V-line tip on punch and die insert create weak slot in both sides of sheet metal. Shake up and down to break parts
- 4 Restriction for thickness: Minimum 0.8mm, Maximum 1.5mm
- 5 Clear, smooth in cutting edge after breaking



MULTI SCRIBE/EXCHANGABLE LETTER MARKING



MULTI SCRIBE



Character font & range

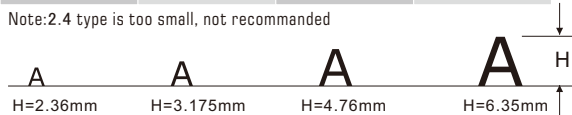
ABCDEFGHIJKLMN
 NOPQRSTUVWXYZ
 0123456789
 & / . - ()

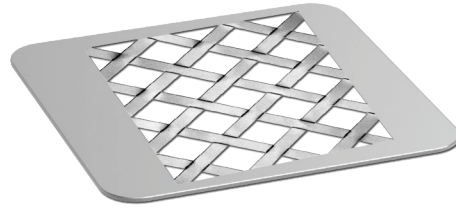
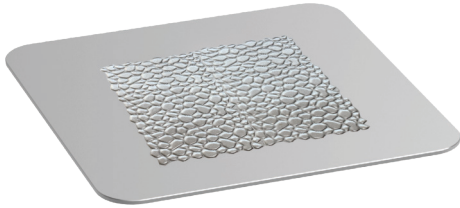
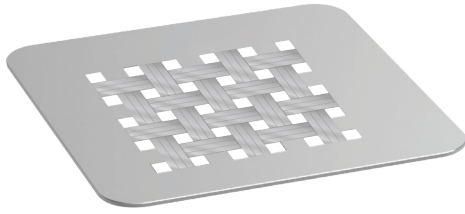


TYPE	A SIZE	B SIZE	C SIZE
2.4	2.36mm	6.35mm	19.05mm
3.2	3.175mm	6.35mm	19.05mm
4.8	4.76mm	7.94mm	19.05mm
6.4	6.35mm	9.52mm	19.05mm

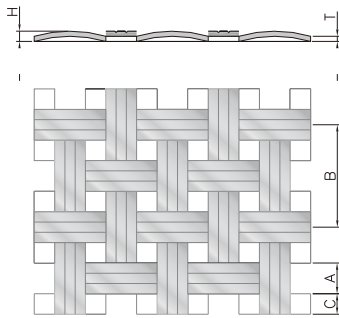
Note: 2.4 type is too small, not recommended

EXCHANGABLE LETTER MARKING



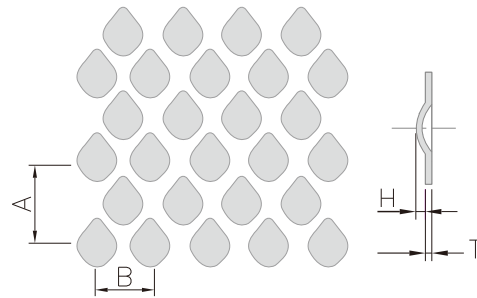


EMBOSS-EXPANDED METAL



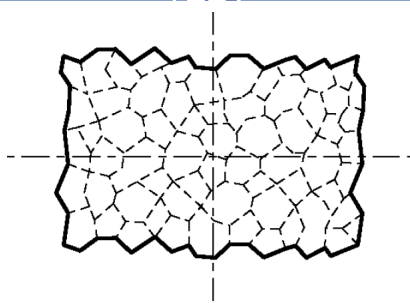
A: _____
B: _____ H: _____
C: _____ T: _____

EMBOSS-DRIPS



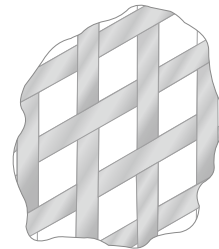
A: _____ H: _____
B: _____ T: _____

LEATHER TEXTURE



Max. thickness: 2.0mm
Emboss height 0.5mm

EMBOSS-EXPANDED METAL



The texture need prepunch

AFAB TOOL LIMITED
Email:sales@afabtool.com
Website:www.afabtool.com

