

KETEC[®]



**THIN TURRET TOOLING
FAB STYLE**

2009

KETEC[®]

Supplier of optimized sheetmetal fabrication solution
With a long-term trusted partner

CONTENTS

COMPANY PROFILE

Q-ADJUST SERIES

M90	B Station (1-1/4")	P03
M90	D Station (3-1/2")	P04
M80	B Station (1-1/4")	P05
M5/8"	B Station (5/8")	P06

E SERIES/HEAVYDUTY

E80	B Station (1-1/4")	P07
SPH90	B Station (1-1/4")	P08

FORMING TOOL

EXTRUSION	P09
EXTRUSION/CENTERPOINT	P10
LANCE AND FORM/KNOCKOUT	P11
THREAD FORM/EMBOSS	P12
LOUVER	P13
CLUSTER/CARD GUIDE	P14
COUNTERSINK/HALF SHEAR/EMBOSS COUNTERSINK	P15
EMBOSS EXTRUSION/RIB TOOL/THREAD LOOP/HINGLE	P16
BRIDGE、STAMPING	P17
ALIGNMENT TOOL、ADAPTOR	P18
ACCESSORIES	P19、P20
SHAPE CLASSES	P21、P22



COMPANY PROFILE

KETEC Precision Tooling Co. Ltd is a professional manufacturer of CNC punch press tooling and stamping punches . With over 10 years of unremitting efforts in product innovation, research, development, manufacturing and marketing experience, KETEC has become one of leaders of CNC punch press precision tooling for the sheet metal industry. Our products have always been well-known as cost-effective, quality stability, fast delivery and have the most market share in China.

Our plant is located in Mingzhu Industrial Park, Conghua, Guangzhou China, which covers an area of 56000 sq. meters, manufacturing area of 27000 sq. meters, and is the largest manufacturer of CNC punch press tooling in Asia. It is adjacent to the Beijing-Zhuhai Expressway on No.105 & No.106 national highway's and is 30 km from Guangzhou Baiyun International Airport with easy and convenient transportation with beautiful scenery during your journey.

QAULITY

Ketec is a ISO-9001-2000 certified company.



BRAND

Ketec is registered in 44 Countries.



INNOVATION

KETEC develops new techniques and new style tooling to focus on customers requirements, and became a leader in the tooling market as a technology innovator.



PRODUCTION

Precise, effective CNC equipment; Standardized production; Specific individual responsibility for each post. Complete all steps in factory from raw material, mechanical processing to heat treatment. Ensure each part of tooling interchange.



PATENT

Ketec presently has 8 outstanding and valid patents.



HEAT TREATMENT

Special workshop for heat treating with vacuum quenching furnace to ensure tooling quality.



SERVICE

Ketec provides fast accurate service of technical support, on quotations, and contracts with our trained sales desk staff and consulting engineers worldwide.



STOCK

Confirm delivery time when ordering via computer data system for 1000 square meter of finished blank inventory.



SUPPORT

Experienced engineers provide ideas and solution via telephone, fax, email or face to face.



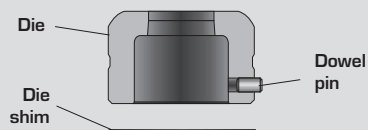
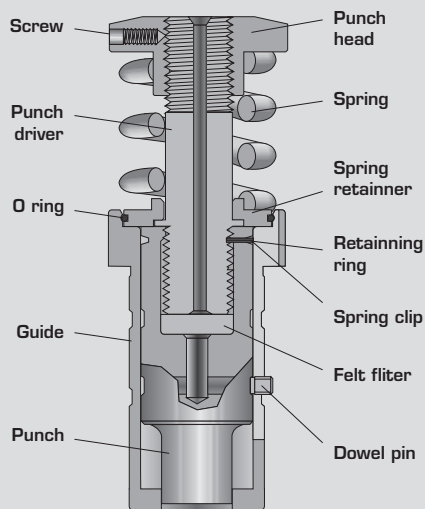
Q-ADJUST SERIES

M90

B Station(1-1/4")

Round/Shape (~31.7mm)

Due to patents,some componets will not be available .
In some countries, no patent limit



NOTE



- ◀ 90 punch grind life is 6.5mm
- ◀ Adjust quickly and easily with separate driver ass'y
- ◀ With lubrication function
- ◀ Interchange with popular tooling

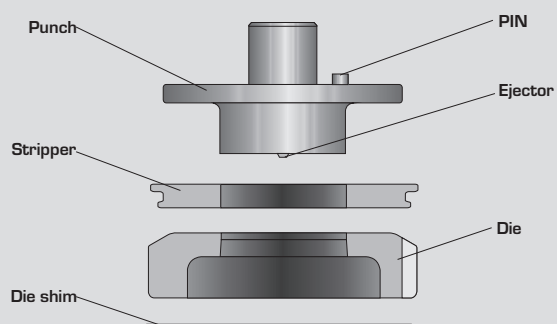
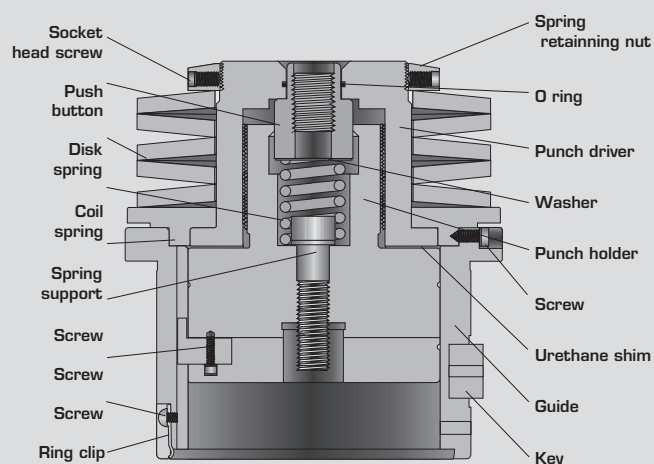
Description	Part Code	Price
Punch ass'y		
Round Shape		
Punch head ass'y		
Punch		
Round Shape Round(stubby) Shape(stubby)		
Guide		
Round Shape		
Die		
Round(Std.) Round(S/O) Shape(Positive) Shape(S/F) Shape(S/O)		

Q-ADJUST SERIES

M90 (FAB style)

D Station(3-1/2")

Round/Shape (31.71~88.9mm)



FAB style

Turret bore 4.3744"/111.11mm



FAB die height:0.85"/21.6mm

NOTE



- ◀ 90 punch grind life is 10mm
- ◀ Adjust quickly and easily without shims
- ◀ With lubrication function
- ◀ Interchange with popular tooling

Description	Part Code	Price
Guide ass'y		
Punch		
Round		
Shape		
Shape(rooftop)		
Stripper		
Round		
Shape		
Die		
Round(Std.)		
Round(S/O)		
Round(Heavy duty)		
Shape(Positive)		
Shape(S/F)		
Shape(S/O)		
Shape(Heavy duty)		

Q-ADJUST SERIES

M80 PATENT

B Station(1-1/4")

Round/Shape (~31.7mm)



NOTE



- ⌂ No shims or tool,Set up quickly & easily.
- ⌂ Use std.punch ,Max.grinding life:6.0mm.
- ⌂ Spring pack stly,save cost.

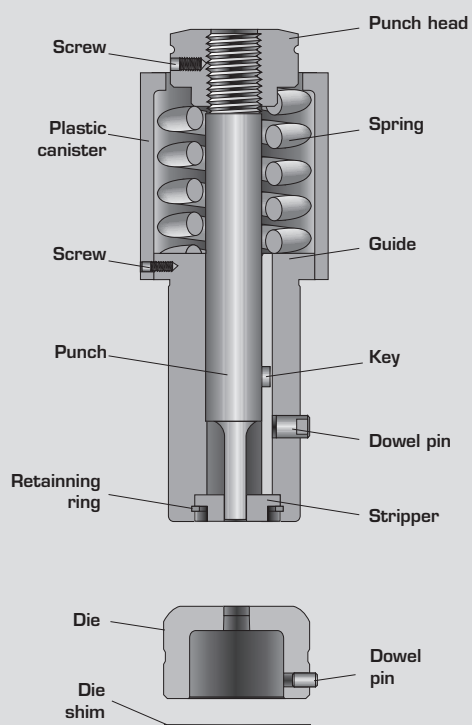
Description	Part Code	Price
Punch ass'y		
Round Shape		
Punch		
Round Shape Round(stubby) Shape(stubby)		
Guide		
Round Shape		
Die		
Round(Std.) Round(S/O) Shape(Positive) Shape(S/F) Shape(S/O)		
Punch head ass'y		
Retainning ring Punch head Screw Spring retainer Spring support O ring Adjusting pin Spring Spring support		

Q-ADJUST SERIES

M5/8" (Drop in style)

B Station(5/8")

Round/Shape (~15.8mm)



Description	Part Code	Price
Punch ass'y		
Round Shape		
Guide		
Round Shape		
Punch		
Round Shape Round(stubby) Shape(stubby)		
Stripper		
Round Shape		
Die		
Round(Std.) Round(S/O) Shape(Positive) Shape(S/F) Shape(S/O)		

NOTE



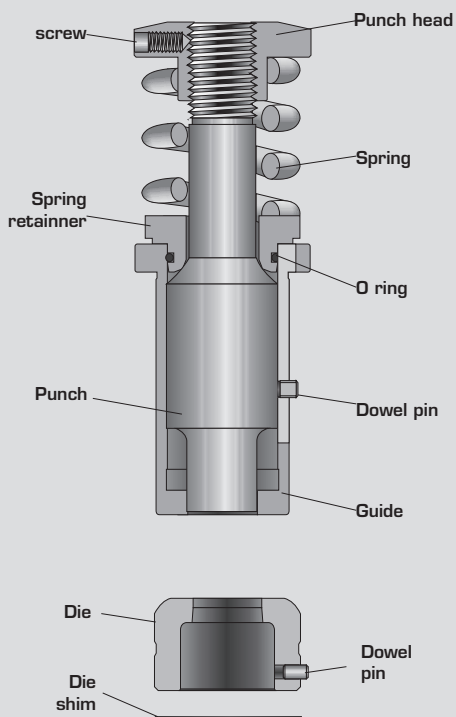
- Change size, only replace punch and stripper
- Grind life is 6.0mm
- No shims after grinding
- Adjust easily

E SERIES

M80

B Station(1-1/4")

Round/Shape (~31.7mm)



NOTE



◀ Interchange with popular tooling

Description	Part Code	Price
Punch ass'y		
Round Shape		
Punch		
Round Shape Round(stubby) Shape(stubby)		
Guide		
Round Shape		
Die		
Round(Std.) Round(S/O) Shape(Positive) Shape(S/F) Shape(S/O)		

HEAVY DUTY

SPH90

B Station(1-1/4")

Round/Shape (~31.7mm)

Due to patents, some components will not be available till July 2011.
In some countries, no patent limit



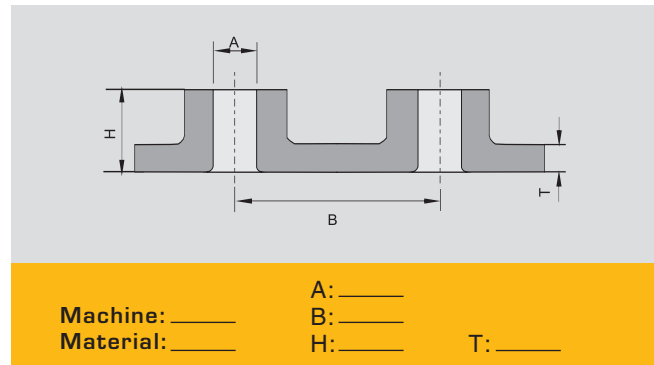
Description	Part Code	Price
Punch ass'y		
Round Shape		
Punch head ass'y		
Punch		
Round Shape		
Round(stubby)		
Shape(stubby)		
Guide		
Round Shape		
Die(Heavy duty)		
Round Shape		

JFY STYLE (Only for Jin Fan Yuan Machine)



	Description	Part Code	Price
B Station	Punch		
	Round Shape		
D Station	Punch		
	Round Shape		
	Shape(rooftop)		
	Stripper		
	Round Shape		
	Die		
	Round(Std.) Round(S/O) Shape(Positive) Shape(S/F) Shape(S/O)		

EXTRUSION



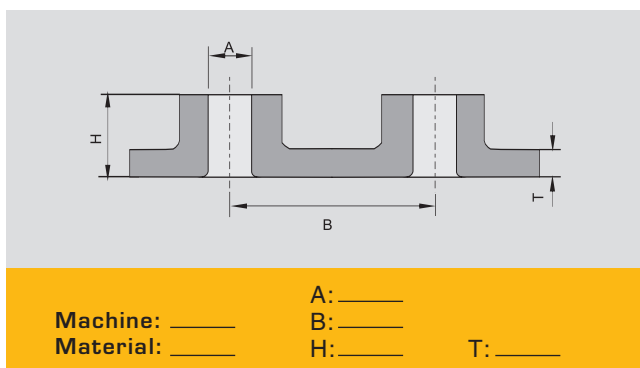
- ① Replaceable insert design on extrusion
- ② Max.thickness: 2mm for mild steel or AL.
1mm for stainless.
- ③ forming height Max.H: over 3 x thread pitch
need prepunch.
- ④ Two typess: Form up and Form down.
- ⑤ Please fill in the above form.

● Prepunch size(Mild steel,Aluminum)

Unit: mm

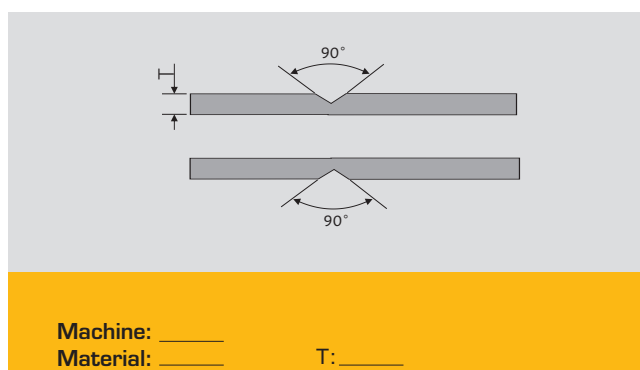
Thickness		0.8		1.0		1.2		1.6(AL 1.5)		2.0		2.3	
	φA	PP	H	PP	H	PP	H	PP	H	PP	H	PP	H
M2.6	2.21	1.3	1.5	1.3	1.8	1.3	2.0	1.6	2.2				
M3	2.57	1.3	1.7	1.3	2.0	1.6	2.0	1.6	2.4				
M4	3.40	2.0	1.8	2.0	2.0	2.0	2.2	2.3	2.5	2.3	2.5	2.5	3.2
M5	4.30			2.3	2.3	2.3	2.5	2.8	2.8	2.8	3.2	3.0	3.5
M6	5.10					3.0	2.6	3.0	3.1	3.8	3.2	3.8	3.4

EXTRUSION



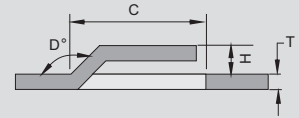
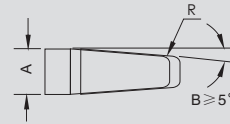
- ① Replaceable insert design on extrusion
- ② Max.thickness: 2mm for mild steel or AL
1mm for stainless
- ③ Max.H \geq 2T
- ④ Need prepunch
- ⑤ Give tool enough time to strip
- ⑥ Two typess: Form up and Form down

CENTERPOINT

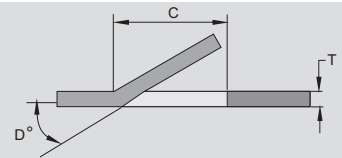
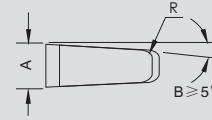


- ① Forbid punching empty
- ② Two typess: Form up and Form down
- ③ Angle:90 degree,Max.thickness:6.0mm
- ④ Please fill in the above form

LANCE AND FORM



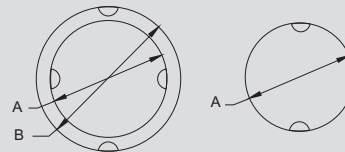
Machine: _____ A: _____ D: _____
Material: _____ B: _____ R: _____
C: _____ H: _____ T: _____



Machine: _____ A: _____ D: _____
Material: _____ B: _____ R: _____
C: _____ H: _____ T: _____

- 1 Tooling is made for specific sheetmetal thickness
- 2 Give tool enough time to strip
- 3 Two types: form down and form up

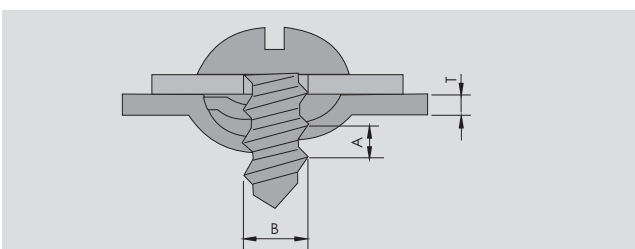
KNOCKOUT



Machine: _____ A: _____ T: _____
Material: _____ B: _____

- 1 Forbid punch empty
- 2 Control shear depth with tool height
- 3 Design singl EKO, double EKO, triple EKO
- 4 Give tool enough time to strip
- 5 Two types: form down and form up

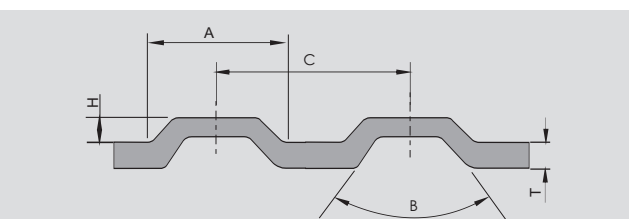
THREAD FORM



Machine: _____ A: _____ D: _____
Material: _____ B: _____ T: _____
C: _____

- ① Two types: form down and form up
- ② Sheetmetal range: 0.5mm~1.2mm
- ③ Please fill the above form
- ④ Consult our sales desk if not clear

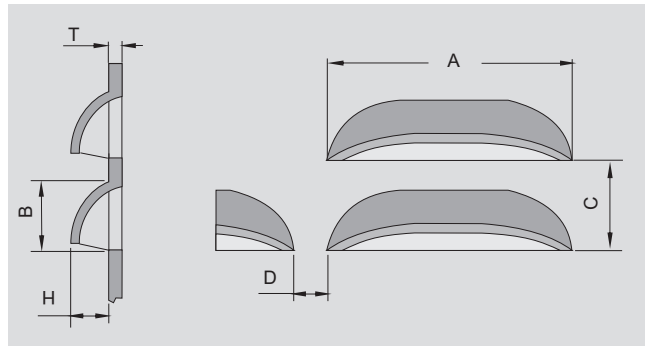
EMBOSS



Machine: _____ A: _____ H: _____
Material: _____ B: _____ T: _____
C: _____

- ① Two typess: Form up and Form down
- ② Escape clamp or punching hole
- ③ Give tool enough time to strip
- ④ Option: round or shape
- ⑤ Please fill in the above form

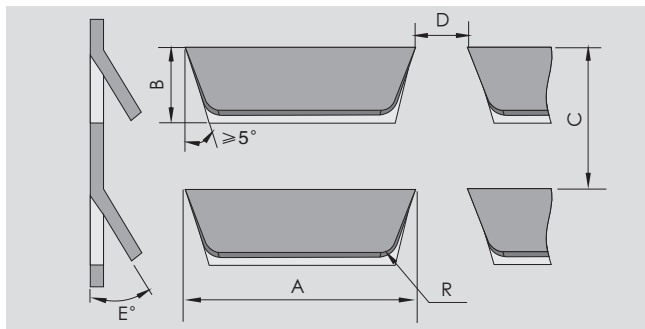
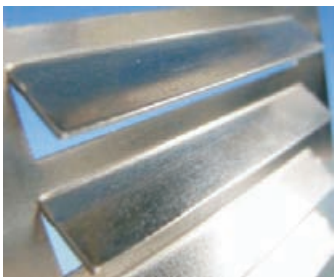
CLOSE LOUVER



Machine: _____ Material: _____
 A: _____ B: _____ C: _____
 D: _____ H: _____ T: _____

- ① Tooling is made for specific sheetmetal thickness
- ② Give tool enough time to strip
- ③ Adjust length without shim, replaceable insert
- ④ Only form up

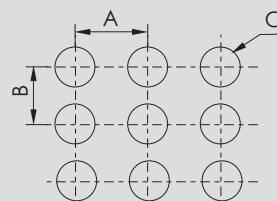
OPEN LOUVER



Machine: _____ Material: _____
 A: _____ B: _____ C: _____
 D: _____ E: _____ T: _____
 R: _____

- ① Tooling is made for specific sheetmetal thickness
- ② Give tool enough time to strip
- ③ Adjust length without shim, replaceable insert
- ④ Only form up

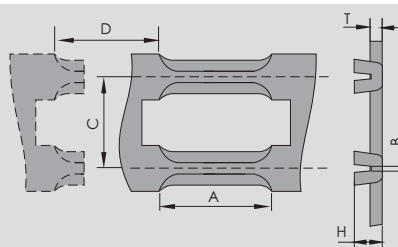
CLUSTER



Machine: _____ A: _____
 Material: _____ B: _____
 C: _____ T: _____

- ① Space of holes must be over 3.2mm or 2 XT
- ② Please fill in the above form
- ③ Consult our sales desk if not clear

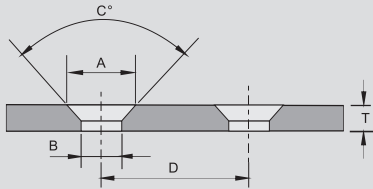
CARD GUIDE



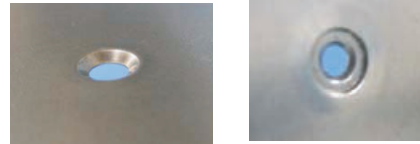
Machine: _____ A: _____ D: _____
 Material: _____ B: _____ H: _____
 C: _____ T: _____

- ① Tooling is made for specific sheetmetal thickness
- ② Give tool enough time to strip
- ③ Adjust length without shim, replaceable insert
- ④ Only form up
- ⑤ Form height $H \leq 2T$

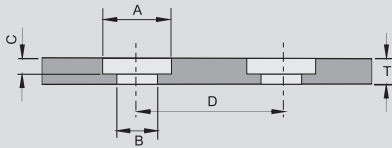
COUNTERSINK



Machine: _____ A: _____
Material: _____ B: _____ D: _____
C: _____ T: _____

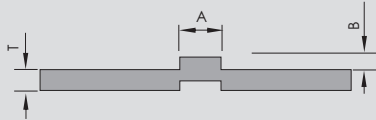


- 1 Need prepunch
- 2 Change hole size to get different depth
- 3 Two types: form down and form up
- 4 Min. thickness: $T \geq 1.0\text{mm}$

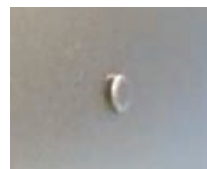


Machine: _____ A: _____
Material: _____ B: _____ D: _____
C: _____ T: _____

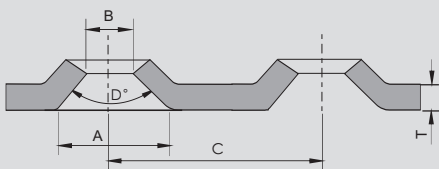
HALF SHEAR/EMBOSS COUNTERSINK



Machine: _____ A: _____
Material: _____ B: _____ T: _____



- 1 Max. B size : $0.6 \times \text{thickness}$.
- 2 Two types: Form up and Form down.
- 3 Give tool enough time to strip.
- 4 Please fill in the above form

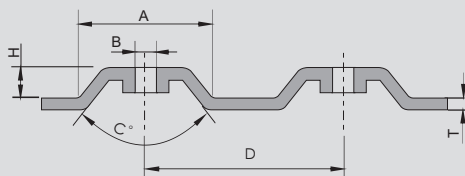


Machine: _____ A: _____ B: _____
Material: _____ C: _____ T: _____



- 1 Need prepunch
- 2 Option: pierce and form in one hit
- 3 Two types: Form up and form down

EMBOSS EXTRUSION/ RIB TOOL



Machine: _____ A: _____ D: _____
 Material: _____ B: _____ H: _____
 C: _____ T: _____



- 1 Complete emboss and extrusion on one hit.
- 2 Give tool enough time to strip
- 3 Only form up.
- 4 Please fill in the above form.

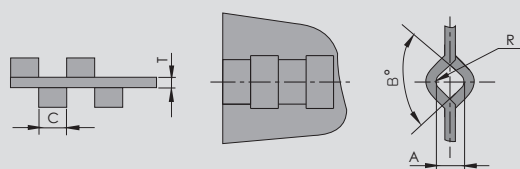


Machine: _____ A: _____ H: _____
 Material: _____ B: _____ T: _____



- 1 Keep proper away from holes, clamp, material edge
- 2 Two types: Specific length & nibbling
Form up and Form down
- 3 Increment of ribbling rib should be 0.5~2.0mm
- 4 For Max.thickness: 2.7mm mild steel or AL,
2.3mm Stainless steel

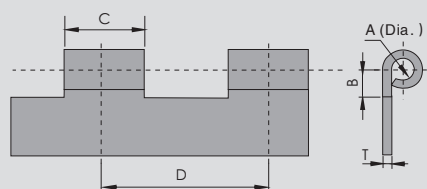
THREAD LOOP/HINGLE



Machine: _____ A: _____ R: _____
 Material: _____ B: _____ T: _____
 C: _____



- 1 Angle "B" standard 90°
- 2 Please fill in the above form
- 3 Consult our sales desk if not clear

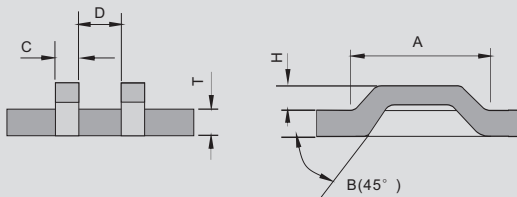


Machine: _____ A: _____ D: _____
 Material: _____ B: _____ T: _____
 C: _____



- 1 Tooling is made for specific sheet metal thickness
- 2 Need prepunch
- 3 First for curling, second for forming
- 4 Only form up
- 5 $T \leq 2T$ (Mild steel), $\leq 1.5\text{mm}$ (Stainless steel)

BRIDGE

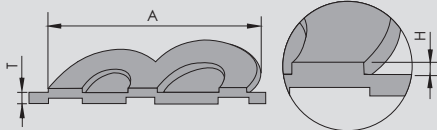


Machine: _____ A: _____ D: _____
Material: _____ B: _____ H: _____
C: _____ T: _____

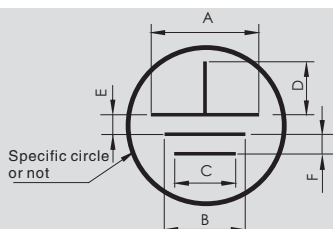


- 1 Design single or double bridge,
- 2 Two types: form down and form up
- 3 Bridge width (C) $\geq 2XT$ and $\geq 1.8\text{mm}$
- 4 Give tool enough time to strip
- 5 Please fill in the above form

STAMPING



Machine: _____ A: _____
Material: _____ H: _____
T: _____



Machine: _____ A: _____ D: _____ G(width): _____
Material: _____ B: _____ E: _____ H(depth): _____
C: _____ F: _____

- 1 Forbid punch empty
- 2 Form up or form down.
- 3 Make other symbol besides ground symbol.
- 4 Dash tool can make various symbol in auto index station.
- 5 Please fill in the above form.

ALIGNMENT TOOL/ADAPTOR



Description	B Station	
	Part Code	Price
Set ass'y		
Punch ass'y		
Die		
T-handle		



Description	D Station	
	Part Code	Price
Set ass'y		
Punch ass'y		
Die		
T-handle		



Sta.	Description	Part Code	Price
D-B	Set ass'y		
	Punch ass'y		
	Die		

BALL RIDING DIE/BRUSH DIE/ADJUSTING CAP



Description	B Station		D Station	
	Part Code	Price	Part Code	Price
Ball riding die				
Brush die				

Adjusting cap	
Part Code	Price

SHIM

Description	B Station		D Station	
	Part Code	Price	Part Code	Price
Punch shim(0.4mm)				
Punch shim(0.8mm)				
Punch shim(1.2mm)				
Die shim(0.4mm)				
Die shim(0.8mm)				
Die shim(1.2mm)				



DEMAGNETIZER



Technical data:

- 1、 Rated voltage: 220V \pm 10% 50HZ
- 2、 Rated current: 3.3A
- 3、 Phase: single-phase
- 4、 Electrical energy: 1KW
- 5、 Code: DZ-1
- 6、 size (mm) : 300 \times 158 \times 230
- 7、 Weight: 6.0KG

EJECTOR/OTHERS

Plier(inner)		Plier(outer)	
Part Code	Price	Part Code	Price

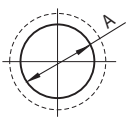
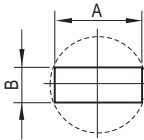
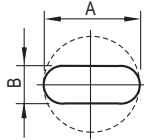
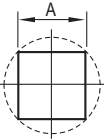
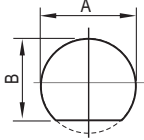
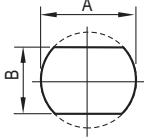
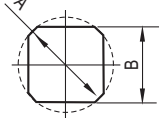
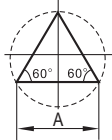
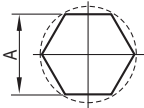
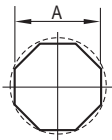
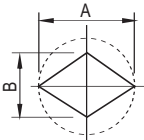
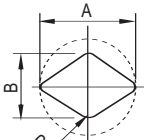
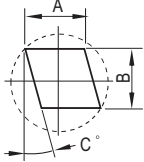
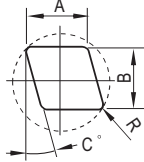
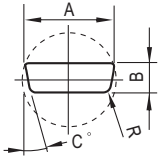
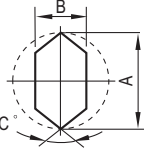
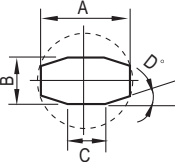
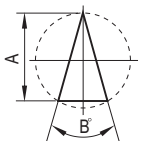
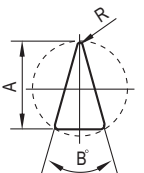
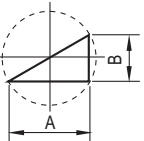
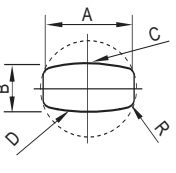
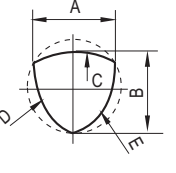
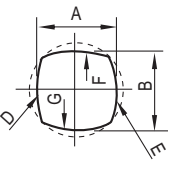
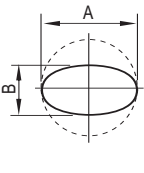
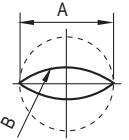
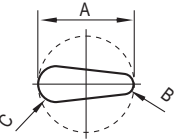
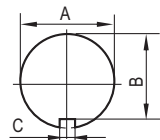
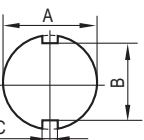
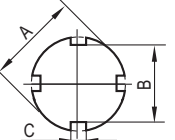
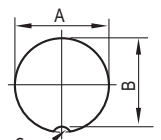


Hex key wrench	
Part Code	Price

Description	ϕ 3mm		ϕ 6mm		ϕ 10mm	
	Part Code	Price	Part Code	Price	Part Code	Price
Ejector	600		601		602	

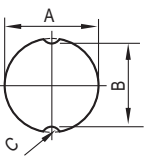
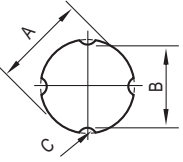
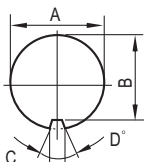
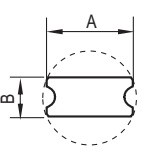
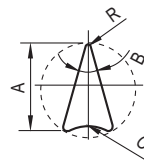
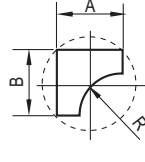
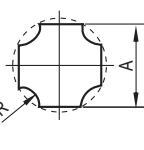
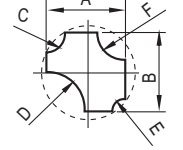
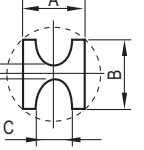
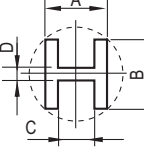
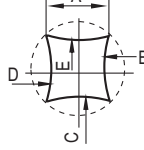
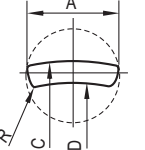
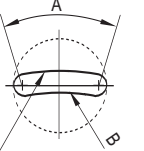
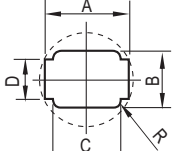
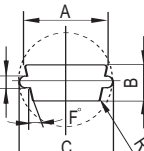
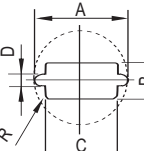
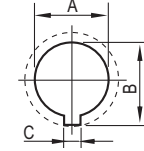
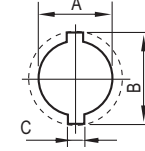
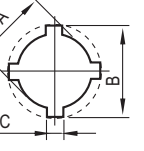
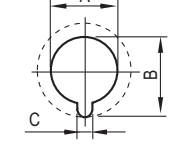
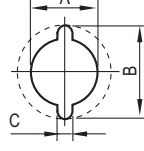
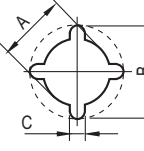
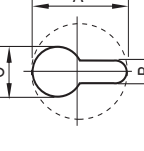
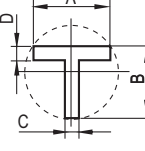
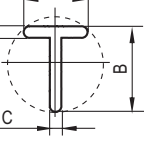
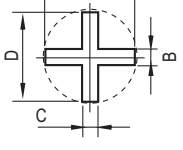
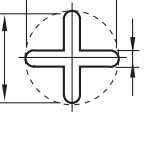
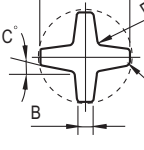


SHAPE CLASSES

					
Code: RO	Code: RE	Code: OB	Code: SQ	Code: SD	Code: DD
Name: Round	Name: Rectangle	Name: Oblong	Name: Square	Name: Single D	Name: Double D
size: A	size: B/A	size: B/A	size: A	size: B/A	size: B/A
					
Code: QD	Code: ET	Code: HX	Code: OT	Code: A0	Code: A1
Name: Quad D	Name: Equi.triangle	Name: Hexagon	Name: Octagon	Name: Diamond	Name: Diamond
size: B/A	size: A	size: A	size: A	size: B/A	size: B/A/R
					
Code: A2	Code: A3	Code: A4	Code: A5	Code: A6	Code: A7)
Name: Diamond	Name: Diamond	Name: Cable connector	Name: Eix edge	Name: Eight edge	Name: Triangle
size: B/A/C	size: B/A/C/R	size: B/A/C/R	size: B/A/C	size: C/B/A/D	size: B/A
					
Code: A8	Code: A9	Code: B0	Code: B1	Code: B2	Code: B3
Name: Tri.with R	Name: Right Tri.	Name: Double R	Name: Tri-R	Name: Quad-R	Name: Ellipse
size: A/B/R	size: B/A	size: B/A/C/D/R	size: B/A/C/D/E	size: B/A/D/E/F/G	size: B/A/C/R
					
Code: B4	Code: B5	Code: C0	Code: C1	Code: C2	Code: C3
Name: Football	Name: Keyhole	Name: Keyway	Name: Double keyway	Name: Quad keyway	Name: keyway
size: A/B	size: A/B/C	size: C/B/A	size: C/B/A	size: C/B/A	size: C/B/A

■ Standard shape: RE, OB, SQ, SD, DD, QD, EX, HX, OT.

SHAPE CLASSES

					
Code: C4	Code: C5	Code: C6	Code: C7	Code: D0	Code: D1
Name: Double-keyway	Name: Quad-keyway	Name: Keyway	Name: Micro-joint	Name: Triangle with R	Name: One way radius
size: C/B/A	size: C/B/A	size: C/B/A/D	Size: B/A	size: A/B/C/R	size: B/A/R
					
Code: D2	Code: D3	Code: D4	Code: D5	Code: E0	Code: E1
Name: Four way radius	Name: Four way	Name: H with radius	Name: H shape	Name: Four Radius	Name: Banana
size: A/R	size: A/B/C/D/E/F	size: D/C/B/A	size: D/C/A/B	size: A/B/C/D/E	size: A/C/D/R
					
Code: E2	Code: E3	Code: E4	Code: E5	Code: E6	Code: E7
Name: Banana	Name: Connector	Name: Connector	Name: Connector	Name: Keyhole	Name: Keyhole
size: B/C/A	size: D/B/C/A/R	size: D/B/A/C/F/R	size: D/B/C/A/R	size: C/A/B	size: C/A/B
					
Code: E8	Code: F0	Code: F1	Code: F2	Code: F3	Code: F4
Name: Keyhole	Name: Keyhole	Name: Keyhole	Name: Keyhole	Name: Keyhole	Name: T shape
size: C/A/B	size: C/A/B	size: C/A/B	size: C/A/B	size: B/C/A	size: D/C/B/A
					
Code: F5	Code: F6	Code: F7	Code: F8		
Name: T shape	Name: Cross	Name: Cross	Name: Cross		
size: D/C/A/B	size: C/B/D/A	size: B/A/D	size: B/A/C/D/R		

INQUIRY OR ORDER LIST

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Set ass'y	Punch ass'y	Guide ass'y	Guide	Punch	Complete set ass'y	Guide ass'y	PDS
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Set ass'y	Punch ass'y	Guide ass'y	Guide	Punch	Complete set ass'y	Guide ass'y	PDS
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Set ass'y	Punch ass'y	Guide ass'y	Guide	Punch	Complete set ass'y	Guide ass'y	PDS
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Set ass'y	Punch ass'y	Guide ass'y	Guide	Punch	Complete set ass'y	Guide ass'y	PDS
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Set ass'y	Punch ass'y	Guide ass'y	Guide	Punch	Complete set ass'y	Guide ass'y	PDS
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Set ass'y	Punch ass'y	Guide ass'y	Guide	Punch	Complete set ass'y	Guide ass'y	PDS
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(Punch, Die, Stripper)

RECIPIENT:	SENDER:
COMPANY:	END USER:
DEPT.:	TELEPHONE:
TELEPHONE:	FAX NO.:
FAX NO.:	PAGES:
SUBJECT:	DATE:

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