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Katalog narzędzi do wykrawarek Murata Wiedemann.

Murata Wiedemann Tooling Catalogue.

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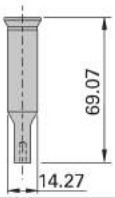
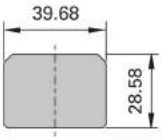
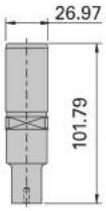
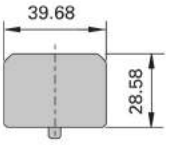
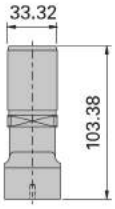
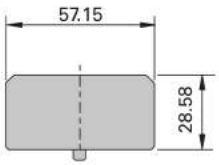
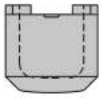
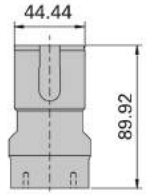
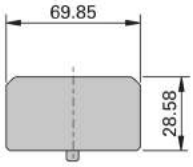
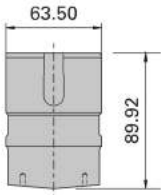
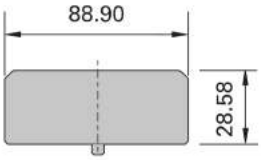
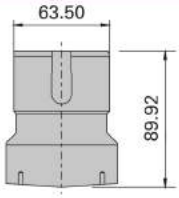
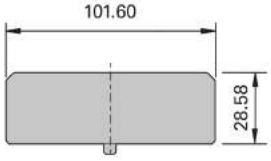
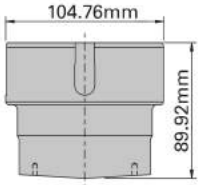
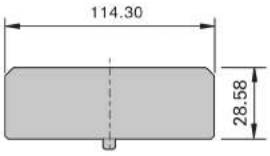
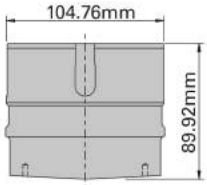
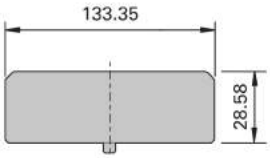
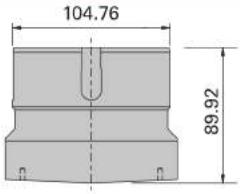
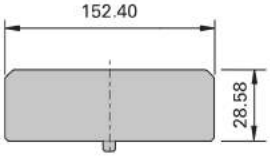
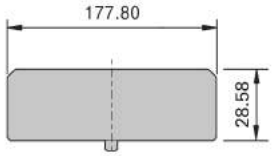
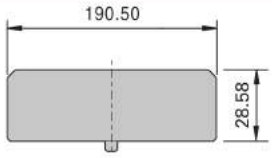
114 SERIES

114 SERIES STANDARD TOOL

Part	Icon	Description	Code	Price
A STN (~12.7mm) [~1/2"]				
Punch		Round	W1.AP1RO.	
Die		Round (no pin) Round (Heavy Duty)	W1.AD1RO. W1.AD3RO.	
Stripper		Stripper (IA station) Stripper (XA station)	W1.AS1 W1.XS1	
B STN (~25.4mm) [~1"]				
Punch		Round Square (8 locators) Shape (4 locators) Other (4 locators)	W1.BP1RO. W1.BP3SQ. W1.BP2**. W1.BP2**.	
Die		Round Shape Others	W1.BD1RO. W1.BD2**. W1.BD2**.	
Stripper		Stripper	W1.BS1	
C STN (25.4~38.1mm) [1"~1-1/2"]				
Punch		Round Square (8 locators) Shape (4 locators) Others (4 locators)	W1.CP1RO. W1.CP3SQ. W1.CP2**. W1.CP2**.	
Die		Round Shape Others	W1.CD1RO. W1.CD2**. W1.CD2**.	
Stripper		Stripper	W1.CS1	

Part	Icon	Description	Code	Price
D STN (38.1~50.8mm) [1–1/2"~2"]				
Punch		Round (0°) Square (0°,135°) Shape (0°,90°) Others (0°,90°)	W1.DP1RO. W1.DP3SQ. W1.DP2**. W1.DP2**.	
Die		Round Shape Others	W1.DD1RO. W1.DD2**. W1.DD2**.	
Stripper		Stripper Stripper (Shape)	W1.DS1 W1.DS2	
E STN (50.8~63.5mm) [2"~2–1/2"]				
Punch		Round (0°) Square (0°,135°) Shape (0°,90°) Others (0°,90°)	W1.EP1RO. W1.EP3SQ. W1.EP2**. W1.EP2**.	
Die		Round Shape Others	W1.ED1RO. W1.ED2**. W1.ED2**.	
Stripper		Stripper	W1.ES1	
F STN (63.5~76.2mm) [2–1/2"~3"]				
Punch		Round (0°) Square (0°,135°) Shape (0°,90°) Others (0°,90°)	W1.FP1RO. W1.FP3SQ. W1.FP2**. W1.FP2**.	
Die		Round Shape Others	W1.FD1RO. W1.FD2**. W1.FD2**.	
Stripper		Stripper Stripper (Shape)	W1.FS1 W1.FS2	

Part	Icon	Description	Code	Price
G STN (76.2~88.9mm) [3"~3-1/2"]				
Punch		Round (0°) Square (0°,135°) Shape (0°,90°) Others (0°,90°)	W1.GP1RO. W1.GP3SQ. W1.GP2**. W1.GP2**.	
Die		Round Shape Others	W1.GD1RO. W1.GD2**. W1.GD2**.	
Stripper		Stripper	W1.GS1	
H STN (88.9~104.8mm) [3-1/2"~4-1/5"]				
Punch		Round (0°) Square (0°,135°) Shape (0°,90°) Others (0°,90°)	W1.HP1RO. W1.HP3SQ. W1.HP2**. W1.HP2**.	
Die		Round Shape Others	W1.HD1RO. W1.HD2**. W1.HD2**.	
Stripper		Stripper	Not supply	
J STN (104.8~120.65mm) [4-1/5"~4-3/4"]				
Punch		Round (0°) Square (0°,135°) Shape (0°,90°) Others (0°,90°)	W1.JP1RO. W1.JP3SQ. W1.JP2**. W1.JP2**.	
Die		Round Shape Others	W1.JD1RO. W1.JD2**. W1.JD2**.	
Stripper		Stripper (shape)	W1.JS2	

Part	Icon	Description	Code	Price
K STN (120.65~139.7mm) [4-3/4"~5-1/2"]				
Die		Round Shape Other	W1.KD1RO. W1.KD2**. W1.KD2**.	
L STN (139.7~152.4mm) [5-1/2"~6"]				
Die		Round Shape Other	W1.LD1RO. W1.LD2**. W1.LD2**.	

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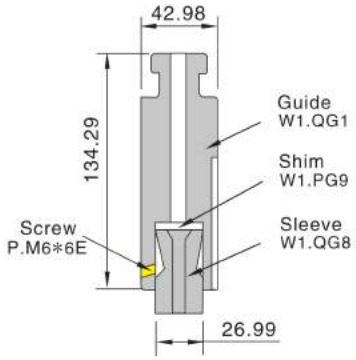
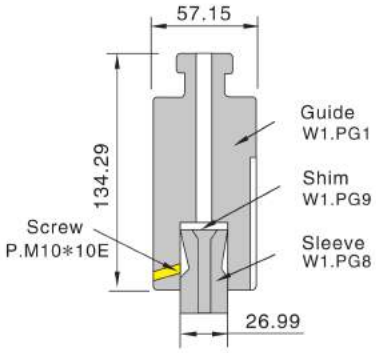
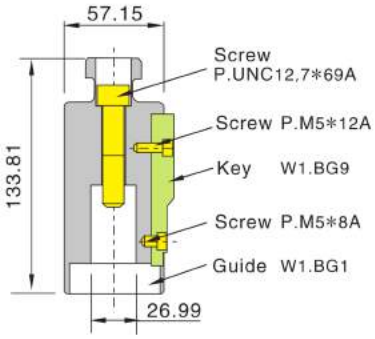
XA STN W1.QG1 PRICE



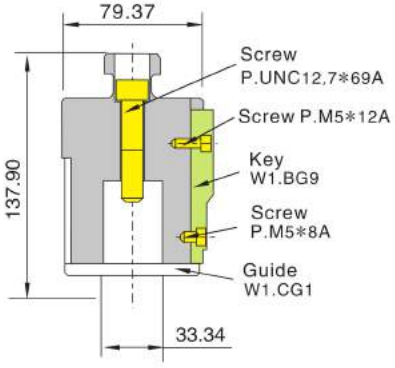
IA STN W1.PG1 PRICE



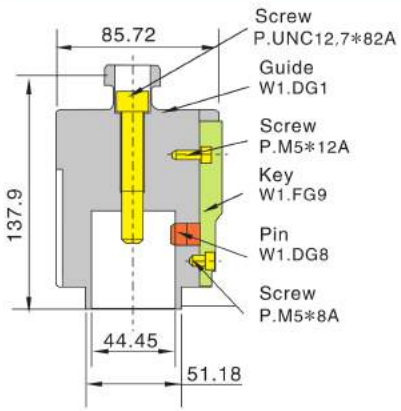
B STN W1.BG1 PRICE



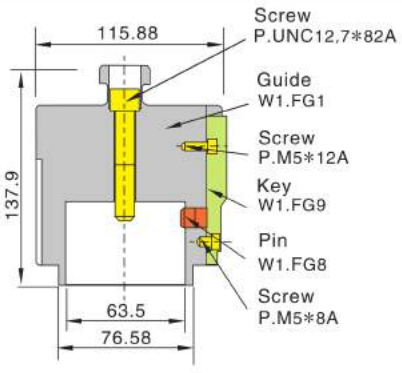
C STN W1.CG1 PRICE



D STN W1.DG1 PRICE

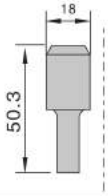
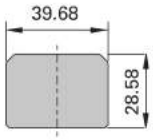
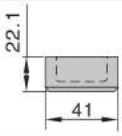
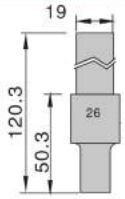
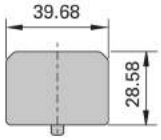
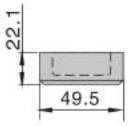
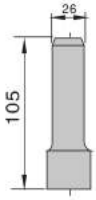
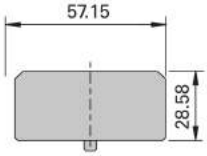
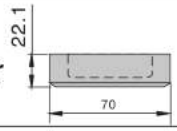


E,F STN W1.FG1 PRICE

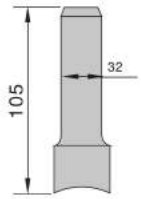
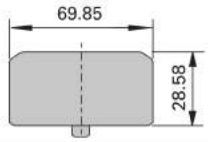
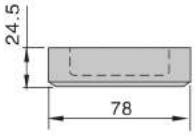
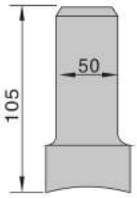
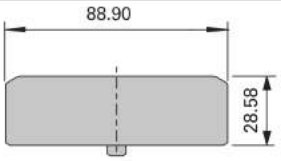
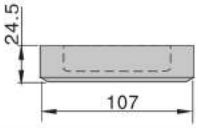
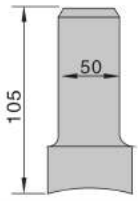
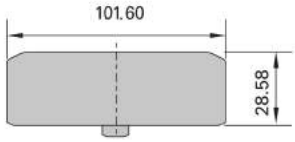
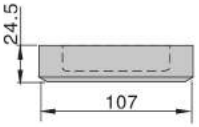


VULCAN SERIES

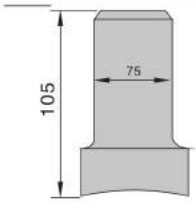
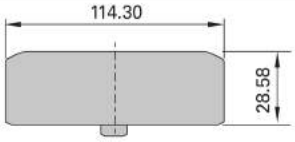
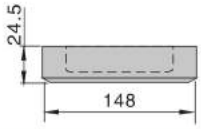
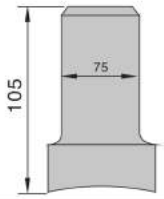
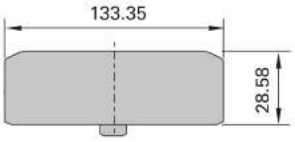
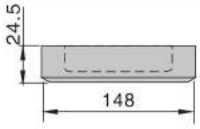
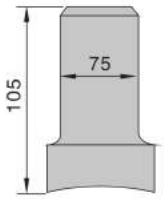
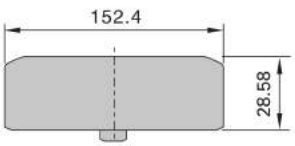
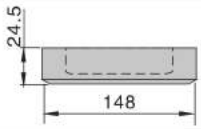
VULCAN SERIES STANDARD TOOL

Part	Icon	Description	Code	Price
X STN (~12.7mm) [~1/2"]				
Punch		Round	W3.XP1RO.	
Die		Round Round (Heavy Duty)	W1.AD1RO. W1.AD3RO	
Stripper		Round	W3.XS1RO.	
AB STN (~25.4mm) [~1"]				
Punch		Round (0°) Square (0°,135°) Shape (0°,90°) Others (0°,90°)	W3.BP1RO. W3.BP3SQ. W3.BP2**. W3.BP2**.	
Die		Round Square Others	W1.BD1RO. W1.BD2**. W1.BD2**.	
Stripper		Round Square Others	W3.BS1RO. W3.BS1**. W3.BS1**.	
C STN (25.4~38.1mm) [1"~1-1/2"]				
Punch		Round (0°) Square (0°,135°) Shape (0°,90°) Others (0°,90°)	W3.CP1RO. W3.CP3SQ. W3.CP2**. W3.CP2**.	
Die		Round Square Others	W1.CD1RO. W1.CD2**. W1.CD2**.	
Stripper		Round Square Others	W3.CS1RO. W3.CS1**. W3.CS1**.	

VULCAN SERIES STANDARD TOOL

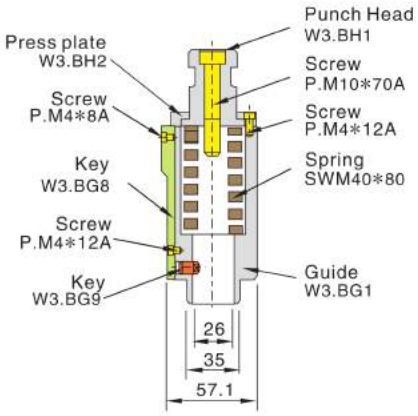
Part	Icon	Description	Code	Price
D STN (38.1~50.8mm) [1-1/2"~2"]				
Punch		Round (0°) Square (0°,135°) Shape (0°,90°) Others (0°,90°)	W3.DP1RO. W3.DP3SQ. W3.DP2**. W3.DP2**.	
Die		Round Square Others	W1.DD1RO. W1.DD2**. W1.DD2**.	
Stripper		Round Square Others	W3.DS1RO. W3.DS1**. W3.DS1**.	
E STN (50.8~63.5mm) [2"~2-1/2"]				
Punch		Round (0°) Square (0°,135°) Shape (0°,90°) Others (0°,90°)	W3.EP1RO. W3.EP3SQ. W3.EP2**. W3.EP2**.	
Die		Round Square Others	W1.ED1RO. W1.ED2**. W1.ED2**.	
Stripper		Round Square Others	W3.FS1RO. W3.FS1**. W3.FS1**.	
F STN (63.5~76.2mm) [2-1/2"~3"]				
Punch		Round (0°) Square (0°,135°) Shape (0°,90°) Others (0°,90°)	W3.FP1RO. W3.FP3SQ. W3.FP2**. W3.FP2**.	
Die		Round Square Others	W1.FD1RO. W1.FD2**. W1.FD2**.	
Stripper		Round Square Others	W3.FS1RO. W3.FS1**. W3.FS1**.	

VULCAN SERIES STANDARD TOOL

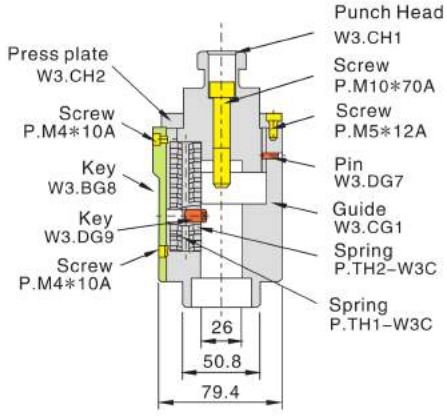
Part	Icon	Description	Code	Price
G STN (76.2~88.9mm) [3"~3-1/2"]				
Punch		Round (0°)	W3.GP1RO.	
		Square (0°,135°)	W3.GP3SQ.	
		Shape (0°,90°)	W3.GP2**.	
		Others (0°,90°)	W3.GP2**.	
Die		Round	W1.GD1RO.	
		Square	W1.GD2**.	
		Others	W1.GD2**.	
Stripper		Round	W3.JS1RO.	
		Square	W3.JS1**.	
		Others	W3.JS1**.	
H STN (88.9~104.8mm) [3-1/2"~4"]				
Punch		Round (0°)	W3.HP1RO.	
		Square (0°,135°)	W3.HP3SQ.	
		Shape (0°,90°)	W3.HP2**.	
		Others (0°,90°)	W3.HP2**.	
Die		Round	W1.HD1RO.	
		Square	W1.HD2**.	
		Others	W1.HD2**.	
Stripper		Round	W3.JS1RO.	
		Square	W3.JS1**.	
		Others	W3.JS1**.	
J STN (104.8~120.65mm) [4"~4-1/2"]				
Punch		Round (0°)	W3.JP1RO.	
		Square (0°,135°)	W3.JP3SQ.	
		Shape (0°,90°)	W3.JP2**.	
		Others (0°,90°)	W3.JP2**.	
Die		Round	W1.JD1RO.	
		Square	W1.JD2**.	
		Others	W1.JD2**.	
Stripper		Round	W3.JS1RO.	
		Square	W3.JS1**.	
		Others	W3.JS1**.	

VULCAN HOLDER

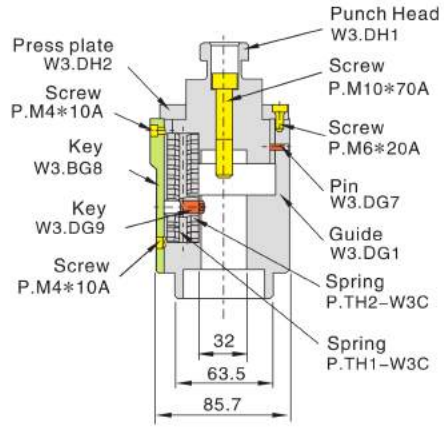
A, B STN **W3.BC1** **PRICE**



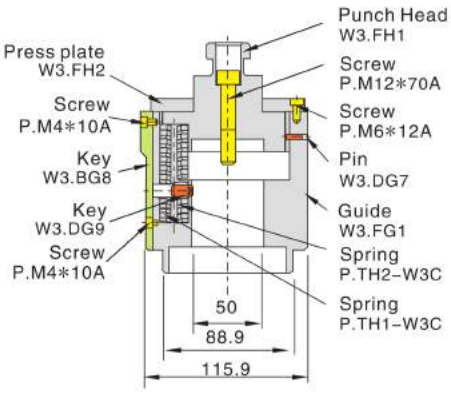
C STN **W3.CC1** **PRICE**



D STN **W3.DC1** **PRICE**

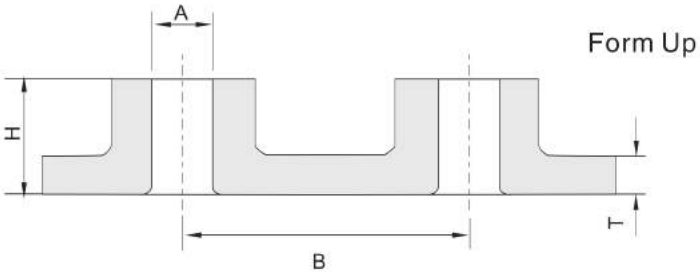


E,F STN **W3.FC1** **PRICE**



FORMING TOOLS

EXTRUSION TAPPING



Machine____ A ____
Material____ B ____
H ____ T ____

Prepunch size (Stainless steel)

unit: mm [inch]

Extrusion		Thickness: T			
Size	øA	0.6 [0.02]	0.8 [0.03]	1.0 [0.04]	1.2 [0.05]
M2.6	2.21 [0.09]	1.3 [0.05]	1.3 [0.05]	1.3 [0.05]	
M3	2.60 [0.10]	1.3 [0.05]	1.3 [0.05]	1.6 [0.06]	1.8 [0.07]
M4	3.40 [0.13]		2.0 [0.08]	2.0 [0.08]	2.0 [0.08]
M5	4.30 [0.17]			2.3 [0.09]	2.3 [0.09]
M6	5.10 [0.20]			3.0[0.12]	3.0[0.12]

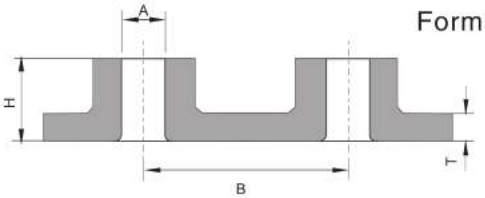
- Need prepunch
- Give tool enough time to strip
- Replaceable insert design on extruction
- Form Up & Form Down
- Max. thickness
  Mild steel: 2.3mm [0.09"]
  Aluminum: 2.0mm [0.08"]
  Stainless: 1.2mm [0.05"]

Prepunch size (Mild steel, Aluminum)

unit: mm [inch]

Extrusion		Thickness: T			
Size	ØA	0.6 [0.02]	0.8 [0.03]	1.0 [0.04]	1.2 [0.05]
M2.6	2.21 [0.09]	1.3 [0.05]	1.3 [0.05]	1.3 [0.05]	
M3	2.60 [0.10]	1.3 [0.05]	1.3 [0.05]	1.6 [0.06]	1.8 [0.07]
M4	3.40 [0.13]		2.0 [0.08]	2.0 [0.08]	2.0 [0.08]
M5	4.30 [0.17]			2.3 [0.09]	2.3 [0.09]
M6	5.10 [0.20]			3.0[0.12]	3.0[0.12]

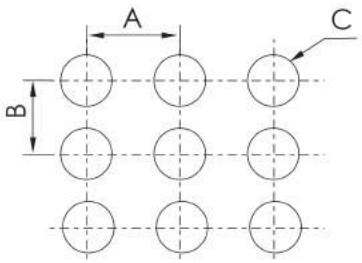
EXTRUSTION



Machine____ A ____
Material____ B ____
H ____ T ____

- Need prepunch
- Form Up & Form Down
- Give tool enough time to strip
- Max. thickness
  Mild steel: 2.0mm [0.08"]
  Aluminum: 2.0mm [0.08"]
  Stainless: 1.2mm [0.05"]
- Forming height: H⩾2T

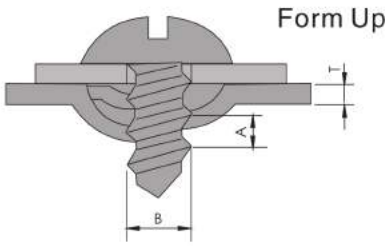
CLUSTER



Machine____ A ____ C ____
Material____ B ____ T ____

- Space of holes must be over 3.2mm [0.13"]or 2T
- Please fill in the above form

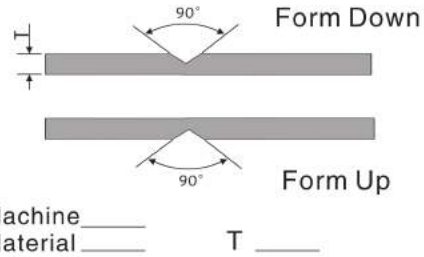
THREAD FORM



Machine____ A ____
Material____ B ____
T ____

- Form Up & Form Down
- Thickness range: 0.5mm~1.2mm [0.02"~0.05"]
- Please fill in the left form

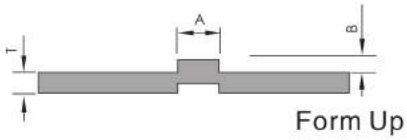
CENTERPOINT



Machine____
Material____ T ____

- Forbid punching without sheet
- Adjust the height of the tool to change the depth when punching
- Form Up & Form Down
- Angle: 90 degree, Max. thickness: 6.0mm [0.24"]

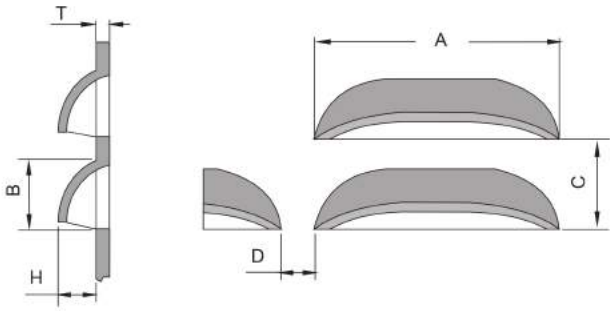
HALF SHEAR



Machine____ A ____
Material____ B ____ T ____

- Form Up & Form Down
- Max. B size: 0.6T

CLOSE LOUVER

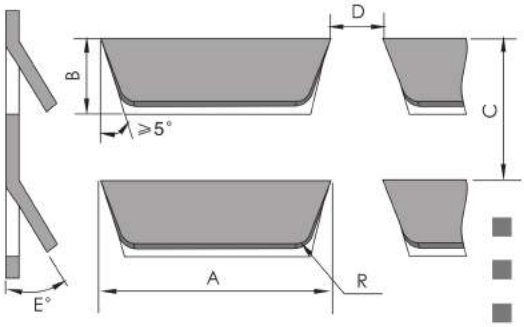


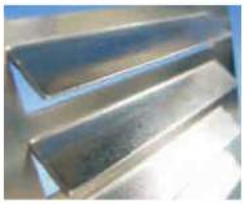
Machine_____
Material_____

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

- Tooling is made for specific sheet metal thickness
- Consider the moving direction of the material when programing
- Give tool enough time to strip
- Adjust length without shim, replaceable insert
- Form up only

OPEN LOUVER



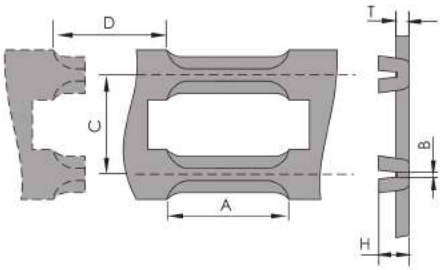


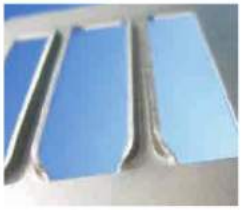
- Tooling is made for specific sheet metal thickness
- Consider the moving direction of the material when programing
- Give tool enough time to strip
- Adjust length without shim, replaceable insert
- Form up only

Machine_____
Material_____

A _____ D _____
B _____ E _____
C _____ T _____ R _____

CARD GUIDE



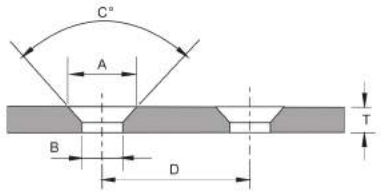


Machine_____
Material_____

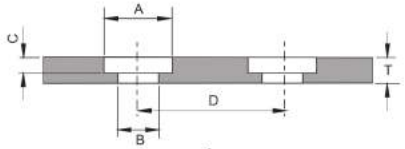
A _____ D _____
B _____ H _____
C _____ T _____

- Tooling is made for specific sheet metal thickness
- Adjust length without shim, replaceable insert
- Forming Height≤2 T, otherwise will be deformation easily

COUNTERSINK



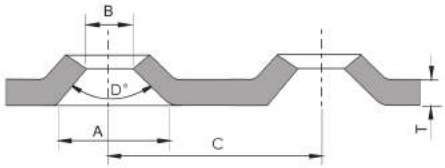
Machine____ A ____ D ____
Material____ B ____ T ____
C ____



Machine____ A ____ D ____
Material____ B ____ T ____
C ____

- Need prepunch
- Adjust the prepunch size to get different depth
- Form up & Form down
- Min. thickness: T⩾1.0mm [0.04"]

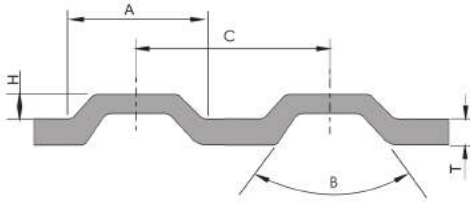
EMBOSS COUNTERSINK



Machine____ A ____ D ____
Material____ B ____ T ____
C ____

- Suggest using prepunch
- Form up only

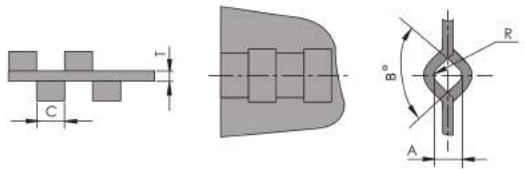
EMBOSS



Machine____ A ____ H ____
Material____ B ____ T ____
C ____

- Escape clamp or punching hole
- Round and Shape are avaiable
- Form up & Form down

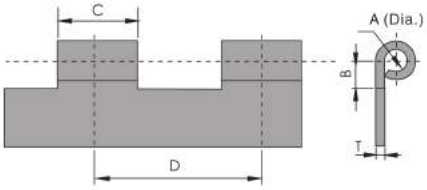
THREAD LOOP



Machine ____ A ____ R ____
Material ____ B ____ T ____
C ____

- Angle B = 90°
- Please fill in the left form

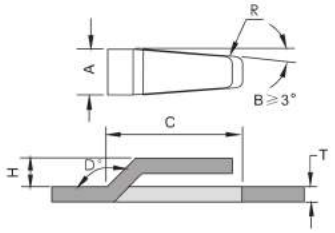
HINGE



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. Form up only
5. Thickness: T ⩽ 2.0mm [0.08"] (Mild steel)
   T ⩽ 1.5mm [0.06"] (Stainless steel)
6. Please fill in the left form

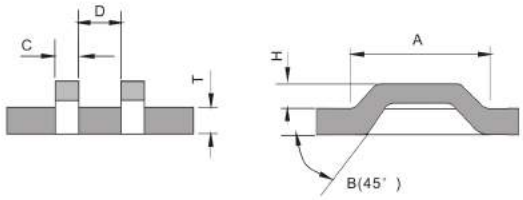
LANCE & FORM



Machine ____ A ____ C ____ R ____
Material ____ B ____ D ____ H ____ T ____

- Tooling is made for specific thickness, can not use thicker material, otherwise the tool will be damaged.
- Please fill in the left form

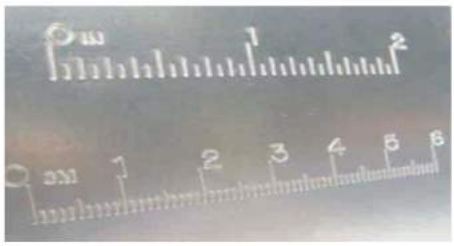
BRIDGE



Machine ____ A ____ D ____
Material ____ B ____ H ____
C ____ T ____

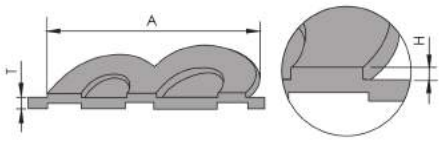
- Can be designed in single or double bridge
- Form up & Form down
- Width of the Bridge C ⩾ 2T and C ⩾ 1.8mm [0.07"]

MULTI SCRIBE



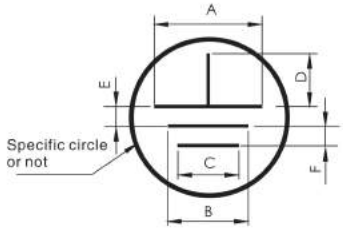
- Forbid punching without sheet
- Required special control program for the machine
- Form down only

STAMPING



Machine_____ A _____
Material_____ H _____ T _____

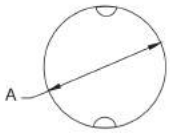
1. Form up or Form down
2. Please fill in the left form



Machine_____ A _____ D _____ G(width)_____
Material_____ B _____ E _____ H(depth)_____
C _____ F _____

1. Forbid punching without sheet
2. Adjust the height of the tool to change the depth when punching
3. Form up or Form down
4. Please fill in the left form

KNOCKOUT

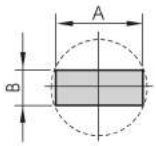


Machine_____
Material_____ A _____ T _____

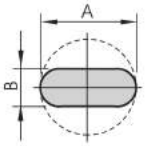
- For small thickness range only
- Changeable insert for another size, save cost

SHAPE CLASSES

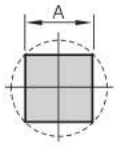
STANDARD SHAPE



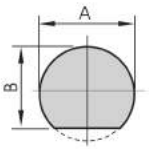
Code: RE
Name: Rectangle
Size: B/A



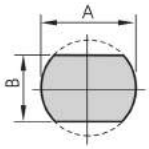
Code: OB
Name: Oblong
Size: B/A



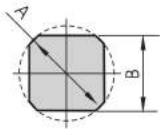
Code: SQ
Name: Square
Size: A



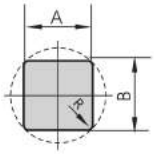
Code: SD
Name: Single D
Size: B/A



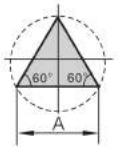
Code: DD
Name: Double D
Size: B/A



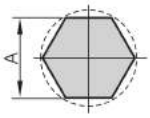
Code: QD
Name: Quad D
Size: B/A



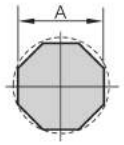
Code: QR
Name: Quad R
Size: B/A/R



Code: ET
Name:
Equilateral Triangle
Size: A

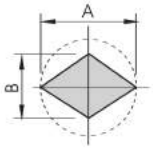


Code: HX
Name: Hexagon
Size: A

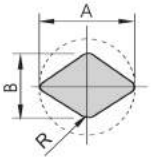


Code: OT
Name: Octagon
Size: A

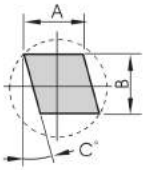
GROUP A



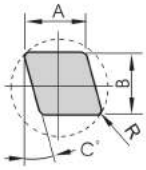
Code: A0
Name: Diamond
Size: B/A



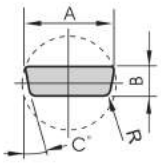
Code: A1
Name: Diamond
Size: B/A/R



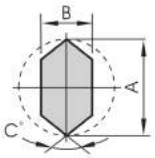
Code: A2
Name: Diamond
Size: B/A/C



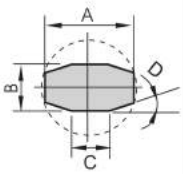
Code: A3
Name: Diamond
Size: B/A/C/R



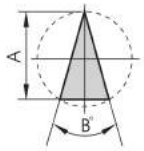
Code: A4
Name:
Cable Connector
Size: B/A/C/R



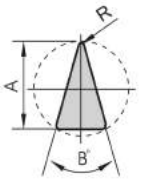
Code: A5
Name: Six Edges
Size: B/A/C



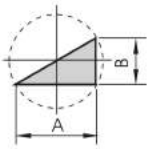
Code: A6
Name:Eight Edges
Size: C/B/A/D



Code: A7
Name: Triangle
Size: B/A

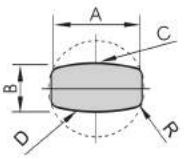


Code: A8
Name:Triangle w/R
Size: A/B/R

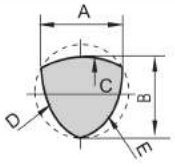


Code: A9
Name:
Right Triangle
Size: B/A

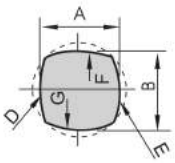
GROUP B



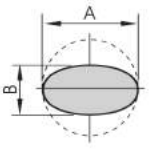
Code: B0
Name: Double R
Size: B/A/C/D/R



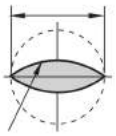
Code: B1
Name: Tri-R
Size: B/A/C/D/E



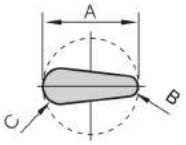
Code: B2
Name: Quad-R
Size: B/A/D/E/F/G



Code: B3
Name: Ellipse
Size: B/A/C/R



Code: B4
Name: Football
Size: A/B



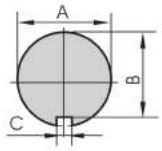
Code: B5
Name: Key Hole
Size: A/B/C

SPECIAL SHAPE

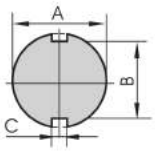
Special shape follows the attached drawing

CODE: FT

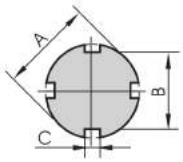
GROUP C



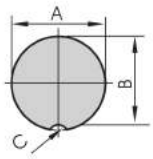
Code: C0
Name: Key Way
Size: C/B/A



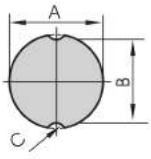
Code: C1
Name:
Double Key Way
Size: C/B/A



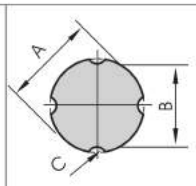
Code: C2
Name:
Quad Key Way
Size: C/B/A



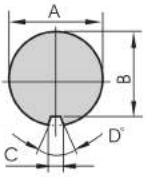
Code: C3
Name: Key Way
Size: C/B/A



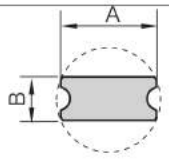
Code: C4
Name: Key Way
Size: C/B/A



Code: C5
Name: Key Way
Size: C/B/A

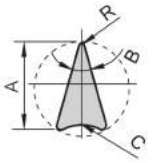


Code: C6
Name: Key Way
Size: C/B/A/D

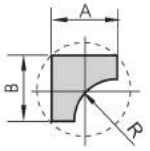


Code: C7
Name: Micro-joint
Size: B/A

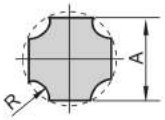
GROUP D



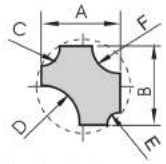
Code: D0
Name:Triangle w/R
Size: A/B/C/R



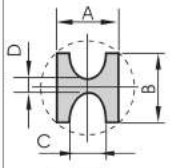
Code: D1
Name:
One way radius
Size: B/A/R



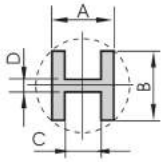
Code: D2
Name:
Four way radius
Size: A/R



Code: D3
Name:
Four way radius
Size: A/B/C/D/E/F

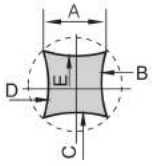


Code: D4
Name: H w/radius
Size: D/C/B/A

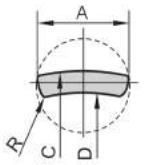


Code: D5
Name: H shape
Size: D/C/B/A

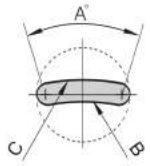
GROUP E F



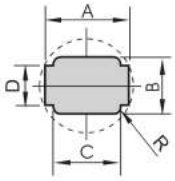
Code: E0
Name: Four radius
Size: A/B/C/D/E



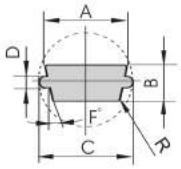
Code: E1
Name: Banana
Size: A/C/D/R



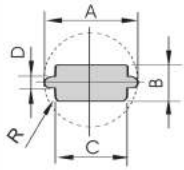
Code: E2
Name: Banana
Size: B/C/A



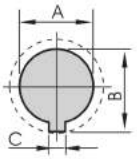
Code: E3
Name: Connector
Size: D/B/C/A/R



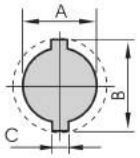
Code: E4
Name: Connector
Size: D/B/A/C/F/R



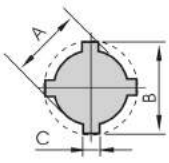
Code: E5
Name: Connector
Size: D/B/C/A/R



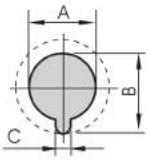
Code: E6
Name: Key Hole
Size: C/A/B



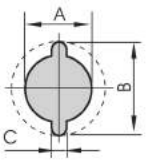
Code: E7
Name: Key Hole
Size: C/A/B



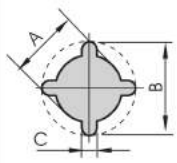
Code: E8
Name: Key Hole
Size: C/A/B



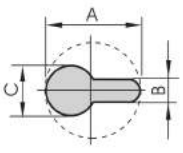
Code: F0
Name: Key Hole
Size: C/A/B



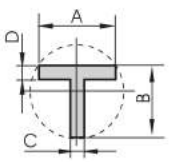
Code: F1
Name: Key Hole
Size: C/A/B



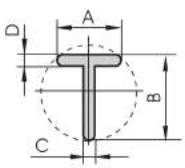
Code: F2
Name: Key Hole
Size: C/A/B



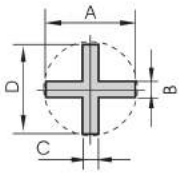
Code: F3
Name: Key Hole
Size: B/C/A



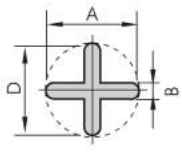
Code: F4
Name: T shape
Size: D/C/B/A



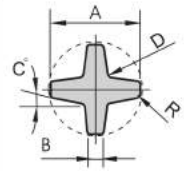
Code: F5
Name: T shape
Size: D/C/A/B



Code: F6
Name: Cross
Size: C/B/D/A



Code: F7
Name: Cross
Size: B/A/D



Code: F8
Name: Cross
Size: B/A/C/D/R

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