

KETEC®



THICK TURRET TOOLING

KETEC[®]

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

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COMPANY PROFILE

KETEC Precision Tooling Co. Ltd is a professional manufacturer of CNC punch press tooling and stamping punches. With over 11 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.

KETEC[®] Supplier of optimized sheetmetal fabrication
solution with a long-term trusted partner

TICN COATING



NOTE

- ◀ TICN coating
- ◀ Increase grind life 200%
- ◀ Better to cost in ABS tooling
- ◀ Specially for stainless,aluminum

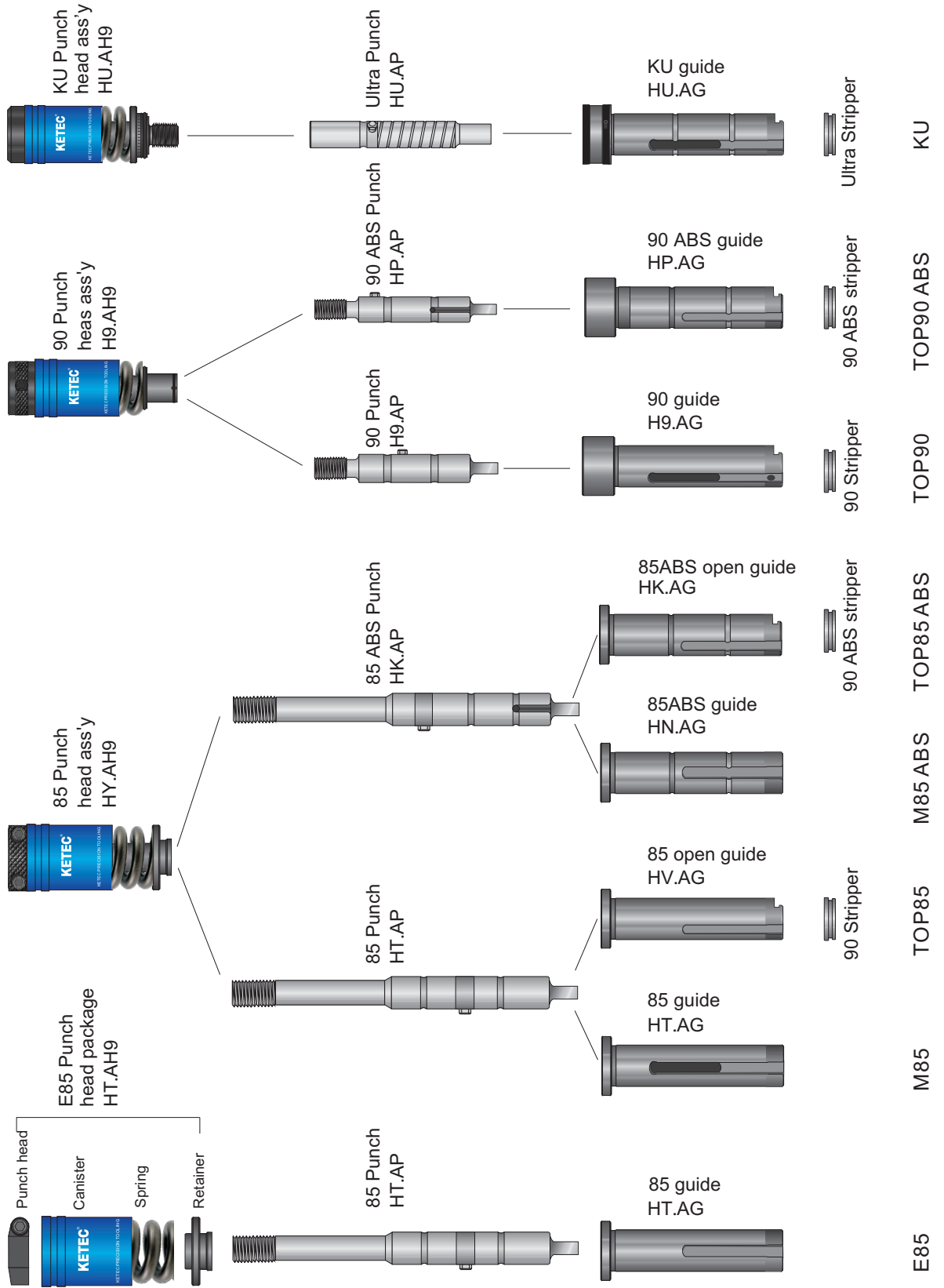
M85 Q-ADJUST



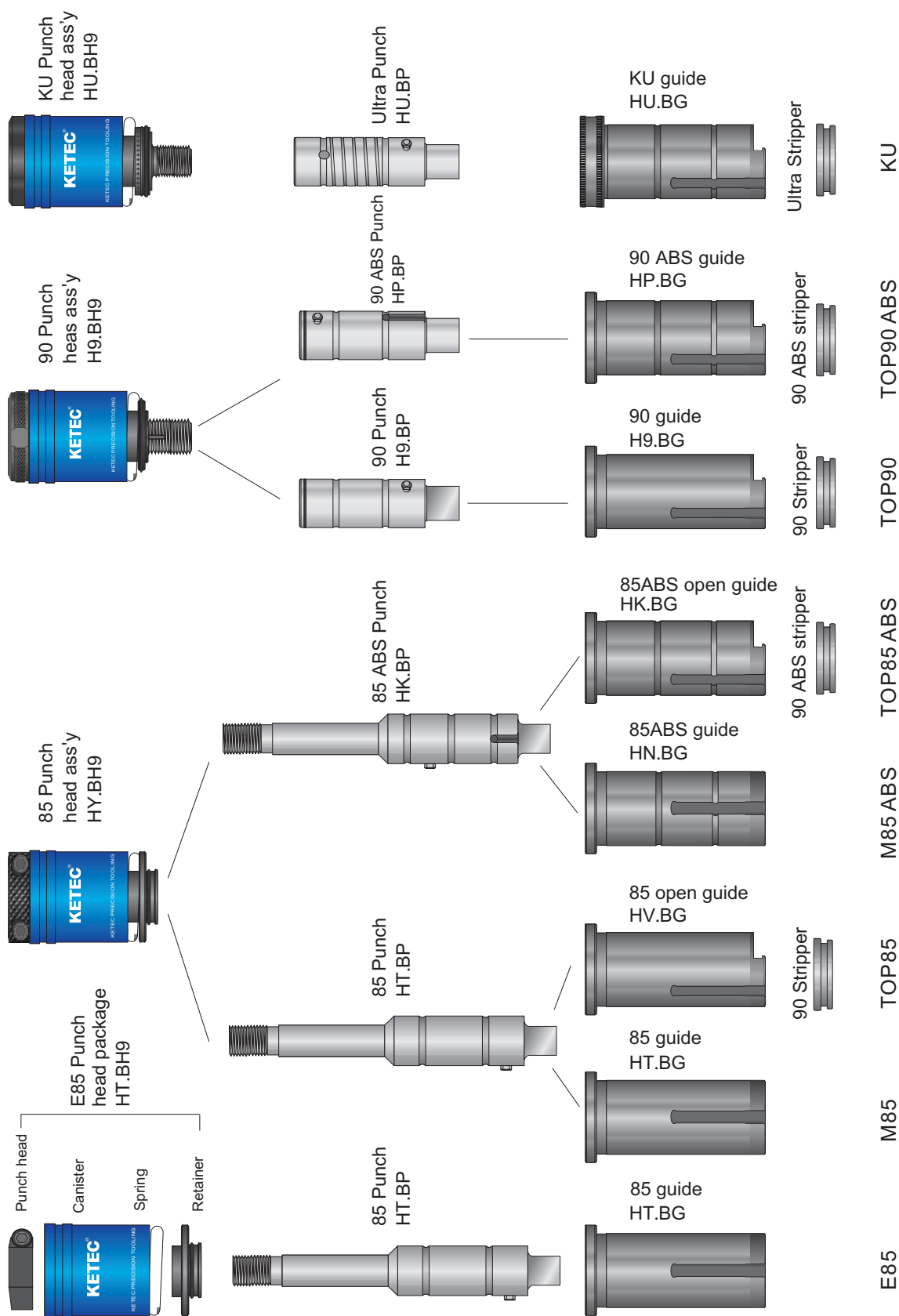
NOTE

- ◀ 5mm grind life for E85 long punch
- ◀ Standard E85 punch body
- ◀ Only replace punch,stripper,die to change size
- ◀ Adjust quickly and easily
- ◀ Increase tooling life 150%

A STATION THICK TURRET SERIES OVERVIEW

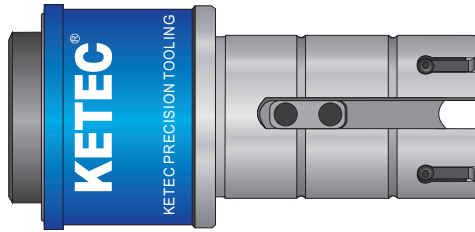


B STATION THICK TURRET SERIES OVERVIEW

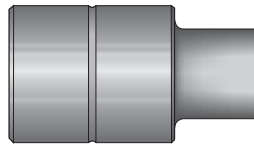


C STATION THICK TURRET SERIES OVERVIEW

E85
Guide ass'y
HT.CC1



85 Punch
HT.CP

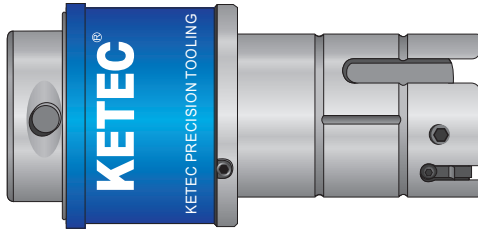


85 Stripper
HT.CS

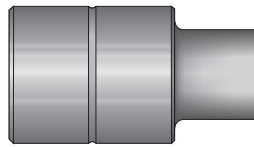


E85

TOP 85
Guide ass'y
HV.CC1



85 Punch
HT.CP

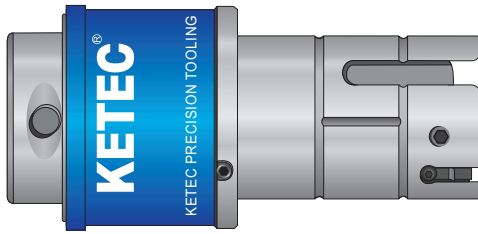


85 Stripper
HT.CS

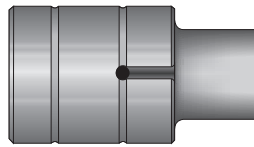


TOP85

TOP85ABS
Guide ass'y
HK.CC1



85 Punch
HK.CP

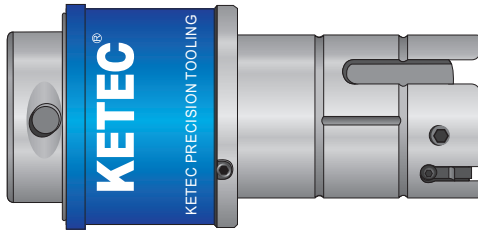


85 ABS stripper
HK.CS

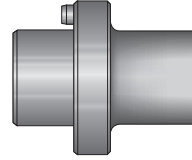


TOP85 ABS

TOP90ABS
Guide ass'y
HP.CC1



90 Punch
H9.CP



90 Stripper
H9.CS



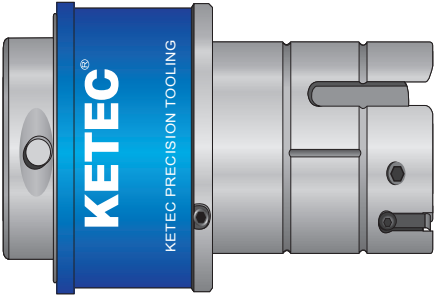
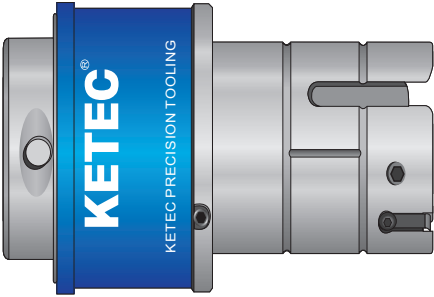
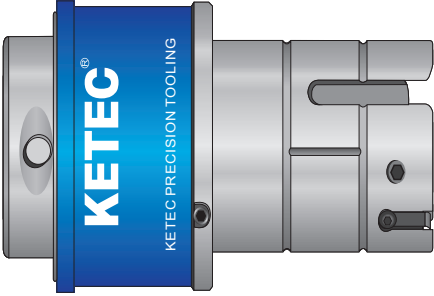
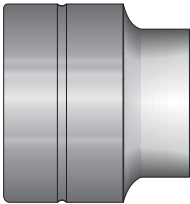
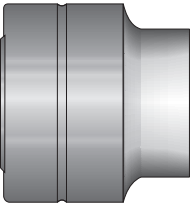
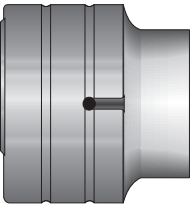
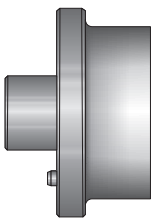
90 ABS stripper
HP.CS



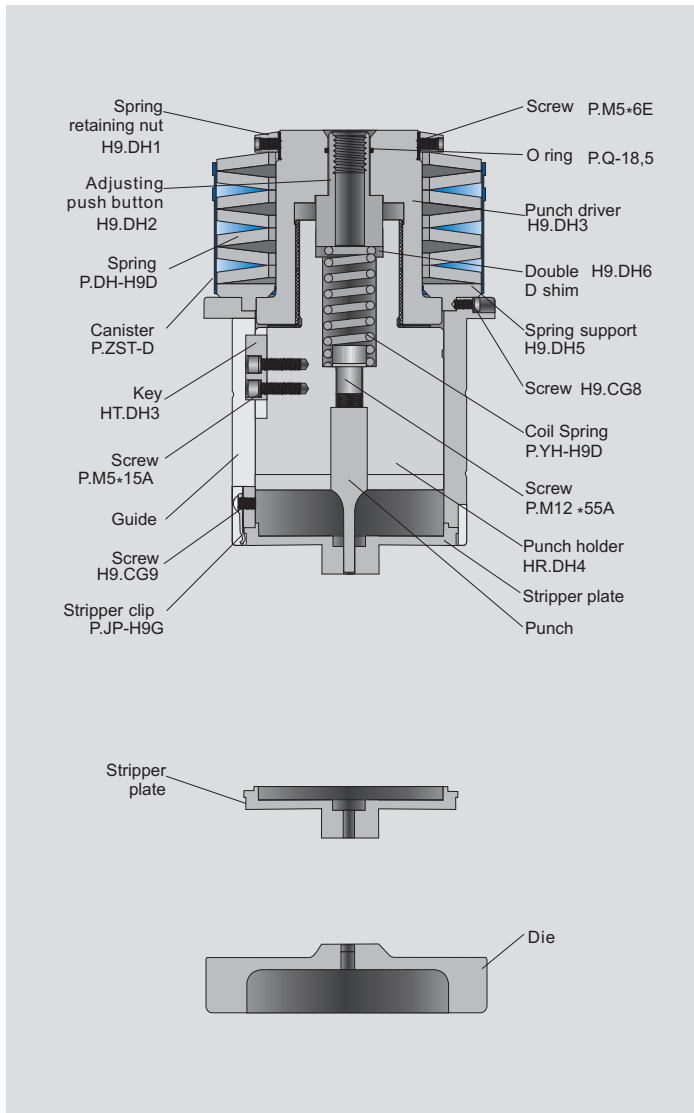
TOP90

TOP90 ABS

D STATION THICK TURRET SERIES OVERVIEW

E85 Guide ass'y HT.CC1 	TOP 85 Guide ass'y HV.CC1 	TOP85ABS Guide ass'y HK.CC1 	TOP90ABS Guide ass'y HP.CC1 
85 Punch HT.CP 	85 Punch HT.CP 	85 Punch HK.CP 	90 Punch H9.CP 
85 Stripper HT.CS 	85 Stripper HT.CS 	85 ABS stripper HK.CS 	90 Stripper H9.CS  90 ABS stripper HP.CS 
E85	TOP85	TOP85 ABS	TOP90 ABS

CLOSE TO CLAMP



NOTE

- ◀ Special type in guide,punch,stripper and die to close more position of clamp
- ◀ Punch grind life is 5-8 mm,reduce cost 60%
- ◀ Adjust quickly and conveniently without shims
- ◀ Std.guide 0° ,90°

D Station(3 ½") -(50.81-88.9mm)



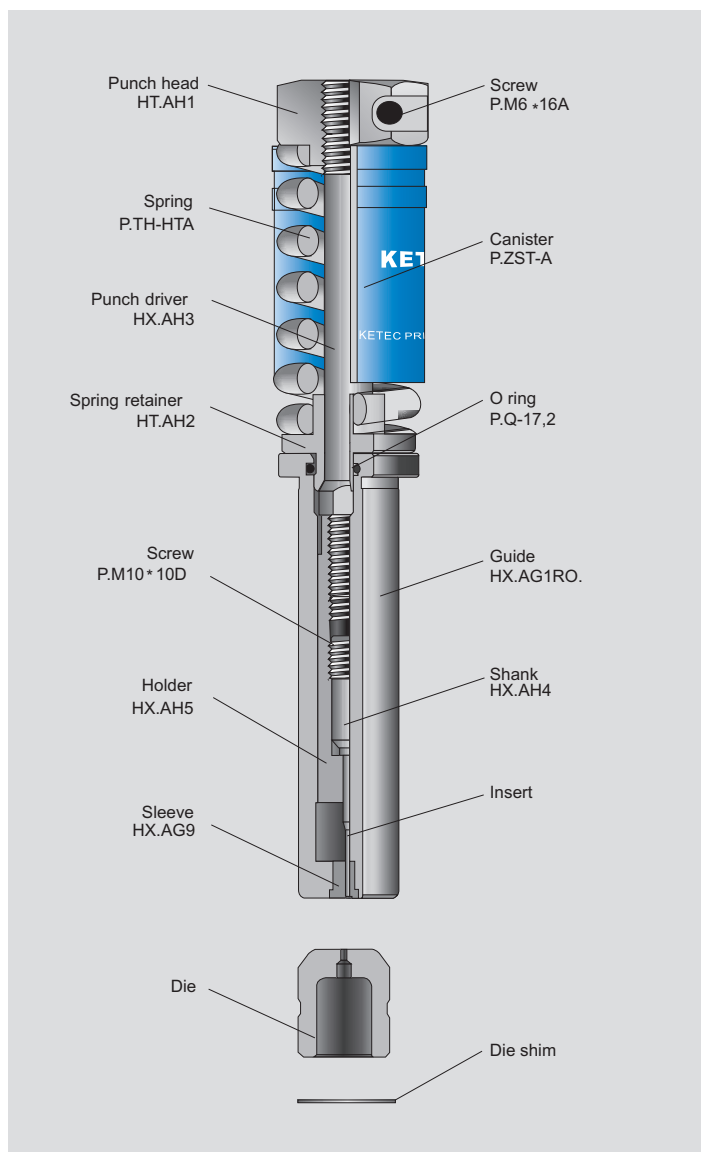
WT DURA STYLE

Punch Max. thickness:6.3mm(mild steel)

Description	Part Code	Price
Guide ass'y&PDS	HR.DA1RE.	
Guide ass'y	HR.DC1.	
Punch Blade Pin	HR.DP1RE. HR.DP9	
Stripper	HR.DS1RE.	
Die (Double)	HR.DD1RE.	
Die (Single)	HR.DD2RE.	
Guide only	HR.DG1	

SPS Fully Guided small diameter

A Station(1/2") (1.0~3.17mm)



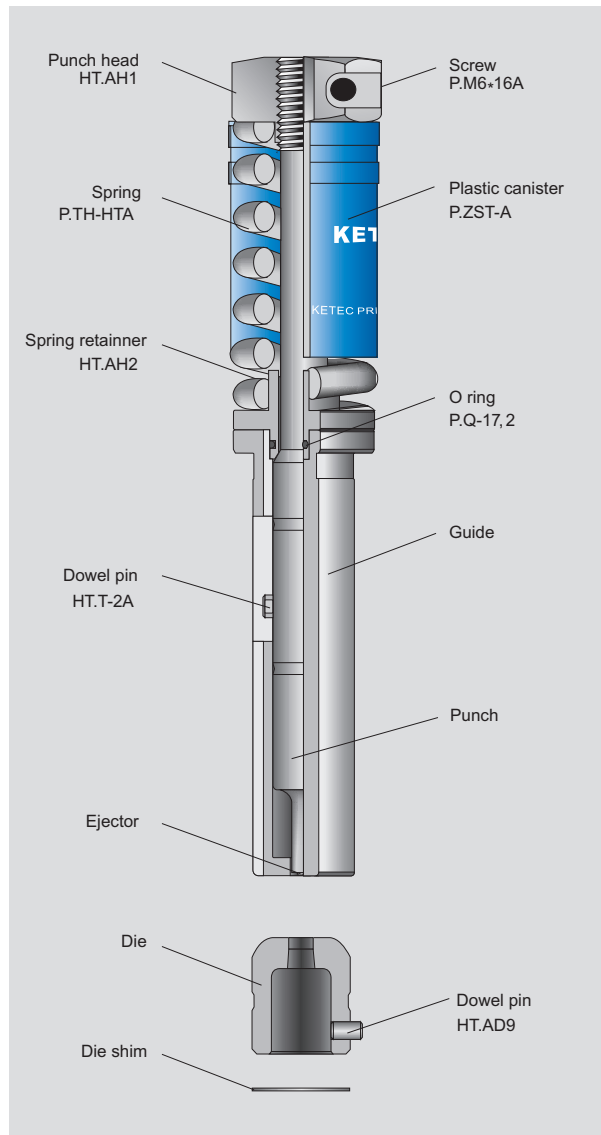
Punch Max. thickness:3.8mm(mild steel)
Not recommended for stainless steel

NOTE

- ↳ Repalceable insert,only for round
- ↳ For small hole:1.0mm-3.17mm
- ↳ Please use the tooling when size as below
 - Aluminum 0.75T
 - Mild steel: 1T
 - Stainless steel:2T

Description	Part Code	Price
Punch ass'y	HX.AA1RO.	
Insert	HX.AP1RO.	
Guide	HX.AG1RO.	
Die	HT.AD1RO.	

Standard E85 (metric NCT style)



NOTE

- Interchange with popular tooling
- Square guide with 0°, 135°
other shape with 0°, 90°
- Set ass'y include punch ass'y, die
- Punch ass'y: complete ass'y of punch
to install in upper turret

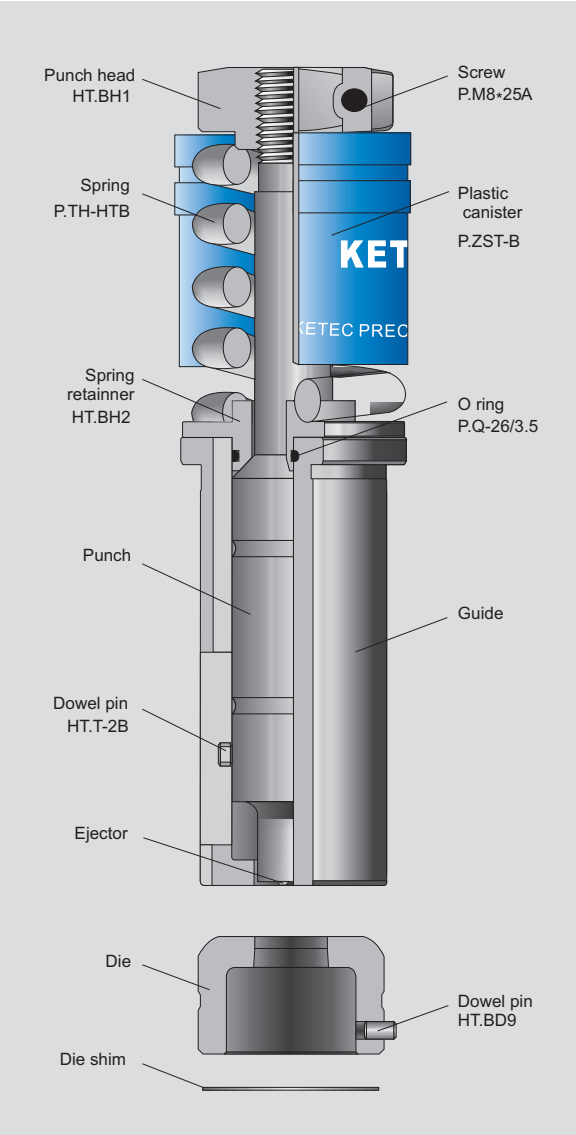
A Station(1/2") Round/Shape (1.6~12.7mm)



Punch Max. thickness:3.8mm(mild steel)

Description	Part Code	Price
Punch ass'y Round Square.(0,135) Shape(0,90) Other(0,90)	HT.AA1RO. HT.AA3SQ. HT.AA2**. HT.AA2**.	
Punch Round(no pin) Shape(pin) Other(pin)	HT.AP1RO. HT.AP2**. HT.AP2**.	
Die Round(no pin) Shape(pin) other(pin)	HT.AD1RO. HT.AD2**. HT.AD2**.	
Guide Round(0) Shape(0,90) Square(0,135)	HT.AG1RO. HT.AG2**. HT.AG3SQ.	
Punch head ass'y	HT.AH9	

Standard E 85 (metric NCT style)



NOTE

- Interchange with popular tooling
- Square guide with 0° ,135°
other shape with 0° ,90
- Set ass'y include punch ass'y,die
- Punch ass'y: complete ass'y of punch
- to install in upper turret

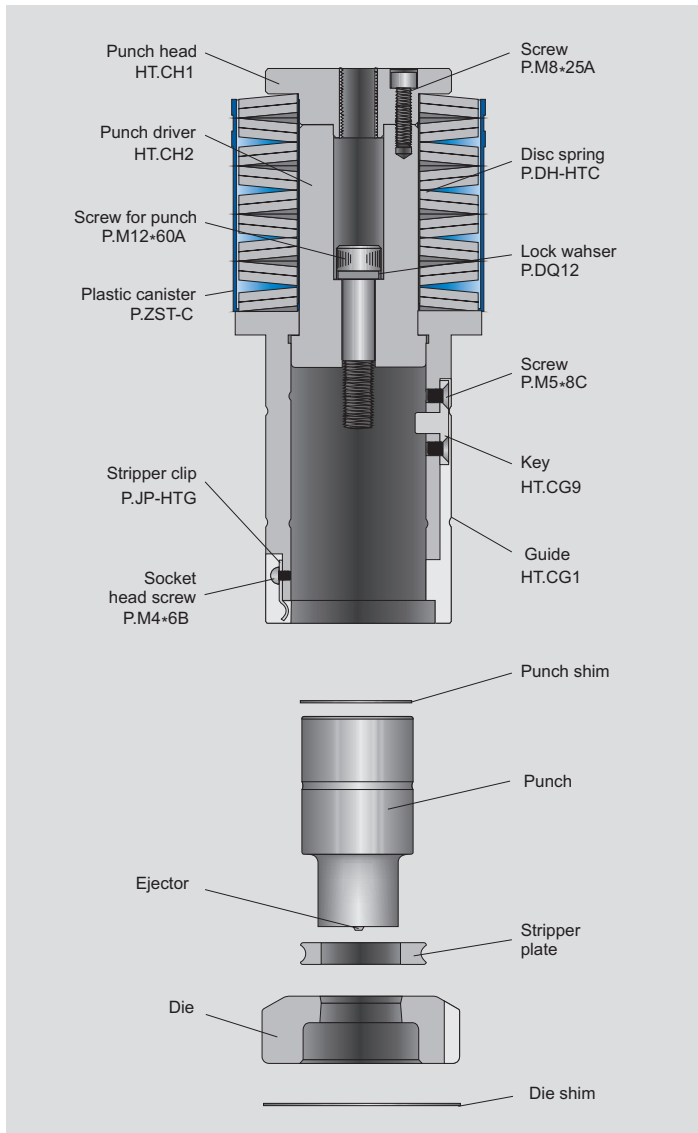
B Station(1 1/4") Round/Shape (12.71~31.7mm)



Punch Max. thickness:6.3mm(mild steel)

Description	Part Code	Price
Punch ass'y Round(0) Square(0,135) Shape(0,90) Other(0,90)	HT.BA1RO. HT.BA3SQ. HT.BA2**. HT.BA2**.	
Punch Round(no pin) Shape(pin) Other(pin)	HT.BP1RO. HT.BP2**. HT.BP2**.	
Die Round(no pin) Shape(pin) other(pin)	HT.BD1RO. HT.BD2**. HT.BD2**.	
Guide Round(0) Shape(0,90) Square(0,135)	HT.BG1RO. HT.BG2**. HT.BG3SQ.	
Punch head ass'y	HT.BH9	

Standard E 85 (metric M12 NCT style)



NOTE

- Interchange with popular tooling
- Standard guide with 0°, 90°
- Adjust to 96mm with shim after regrinding
- Set ass'y include punch ass'y, die
- Punch ass'y: Guide ass'y, punch, stripper

C Station(2") Round/Shape (31.71-50.8mm)

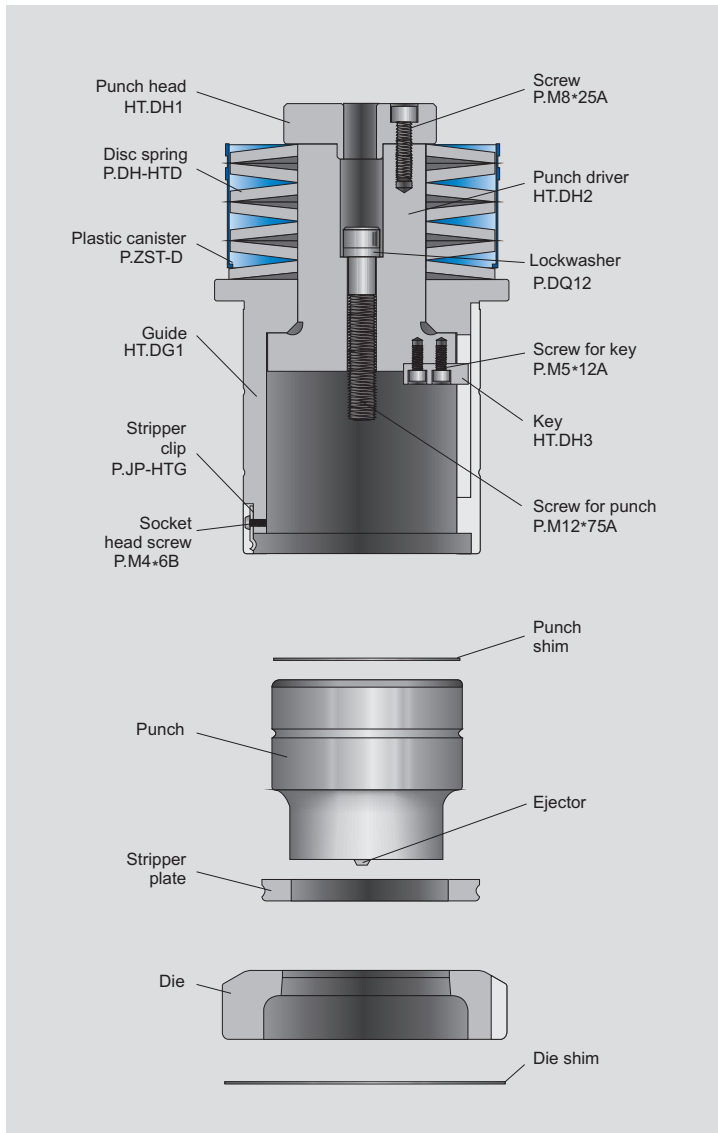


Punch Max. thickness: 6.3mm(mild steel)

Description	Part Code	Price
Punch ass'y Round Shape Other	HT.CA1RO. HT.CA1**. HT.CA1**.	
Guide ass'y(0,90)	HT.CC1.	
Punch Round Shape Other Sqaure(Opit. 0,45)	HT.CP1RO. HT.CP2**. HT.CP2**. HT.CP3SQ.	
Stripper Round Shape Other	HT.CS1RO. HT.CS1**. HT.CS1**.	
Die Round(0) Shape(0,90) Other(0,90) Square(Opit.0,135)	HT.CD1RO. HT.CD2**. HT.CD2**. HT.CD3SQ.	

Standard E 85(metric M12 NCT style)

D Station(3 1/2") Round/Shape (50.81-88.9mm)



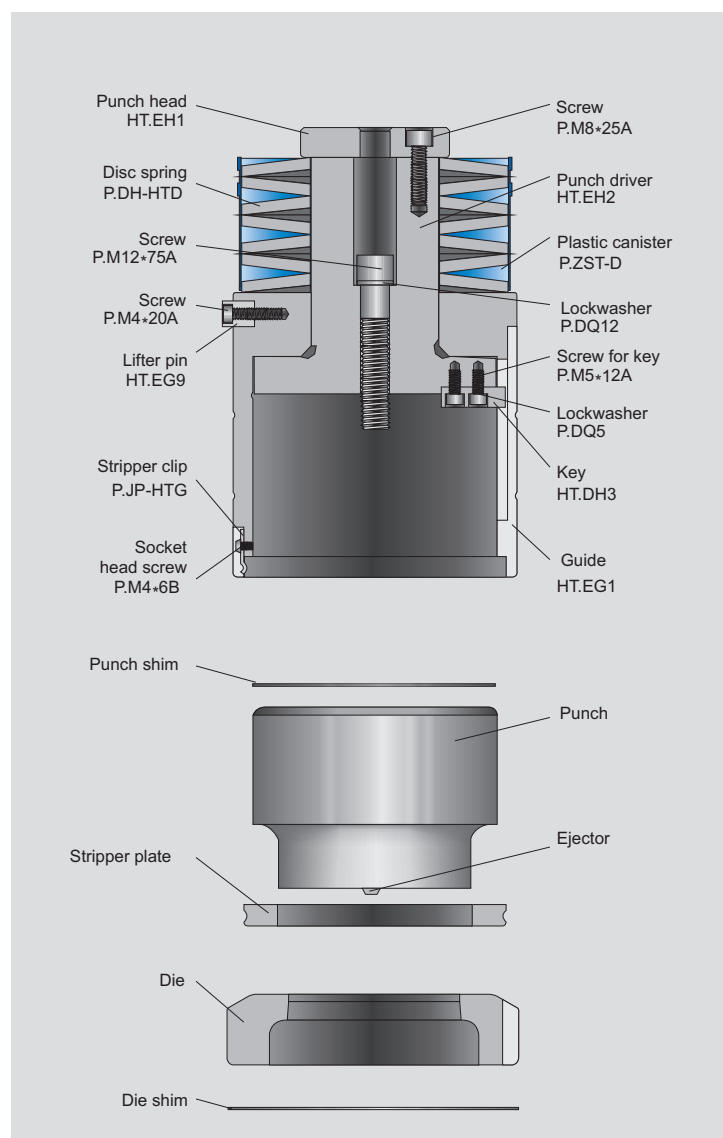
Punch Max. thickness:6.3mm(mild steel)

NOTE

- Interchange with popular tooling
- Standard guide with 0°, 90°
- Adjust to 84mm with shim after regrinding
- Set ass'y include punch ass'y, die
- Punch ass'y: Guide ass'y, punch, stripper

Description	Part Code	Price
Punch ass'y Round Shape Other	HT.DA1RO. HT.DA1**. HT.DA1**.	
Guide ass'y(0,90)	HT.DC1.	
Punch Round Shape Other Sqaure(Opit. 0,45)	HT.DP1RO. HT.DP2**. HT.DP2**. HT.DP3SQ.	
Stripper Round Shape Other	HT.DS1RO. HT.DS1**. HT.DS1**.	
Die Round(0) Shape(0,90) Other(0,90) Square(Opit.0,135)	HT.DD1RO. HT.DD2**. HT.DD2**. HT.DD3SQ.	

Standard E 85(metric M12 NCT style)



NOTE

- ◀ Interchange with popular tooling
- ◀ Standard guide with 0° ,90°
- ◀ Adjust to 85mm with shim after regrinding
- ◀ Set ass'y include punch ass'y,die
- ◀ Punch ass'y: Guide ass'y,punch,stripper

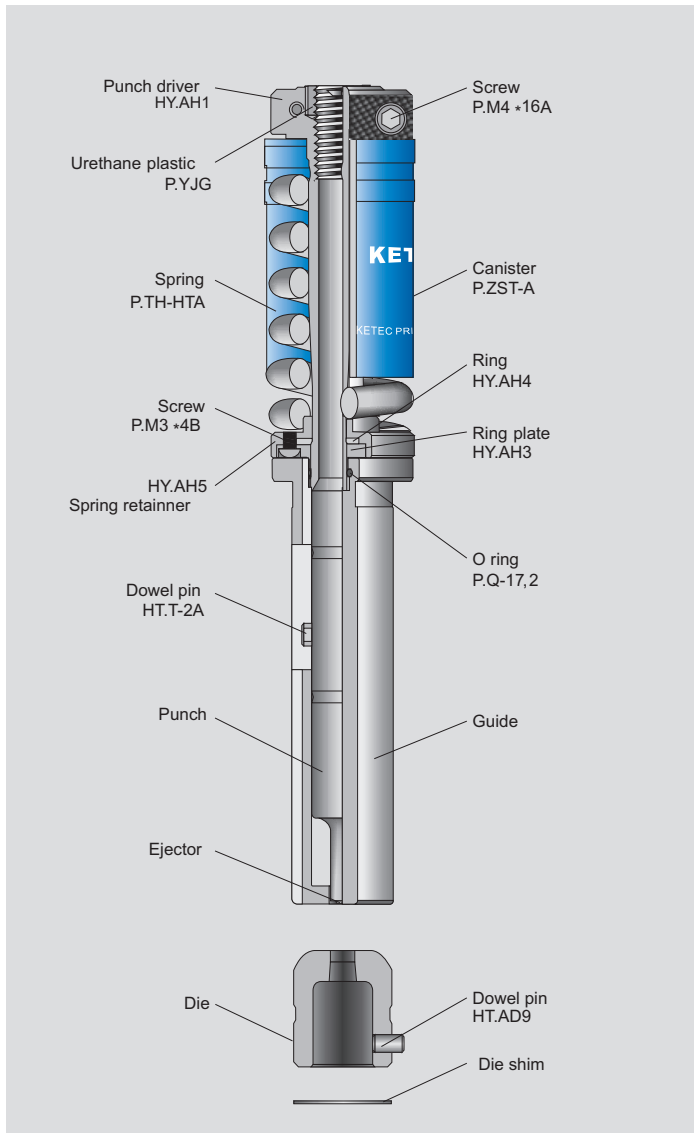
E Station(4 1/2") Round/Shape (88.91-114.3mm)



Punch Max. thickness:6.3mm(mild steel)

Description	Part Code	Price
Punch ass'y		
Round	HT.EA1RO.	
Shape	HT.EA1**.	
Other	HT.EA1**.	
Guide ass'y(0,90)	HT.EC1.	
Punch		
Round	HT.EP1RO.	
Shape	HT.EP2**.	
Other	HT.EP2**.	
Stripper		
Round	HT.ES1RO.	
Shape	HT.ES1**.	
Other	HT.ES1**.	
Die		
Round(0)	HT.ED1RO.	
Shape(0,90)	HT.ED2**.	
Other(0,90)	HT.ED2**.	

Q-Adjust M85(metric) PATENT TOOL



NOTE

- ◀ Std. punch grind life is 5mm
- ◀ Punch head ass'y always use when changing size
- ◀ Quick adjusting for intergrated punch head ass'y
- ◀ Square guide with 0° ,135°
Other shape with 0° ,90°
- ◀ Set ass'y include punch ass'y,die
- ◀ Punch ass'y: complete ass'y of punch
to install in upper turret

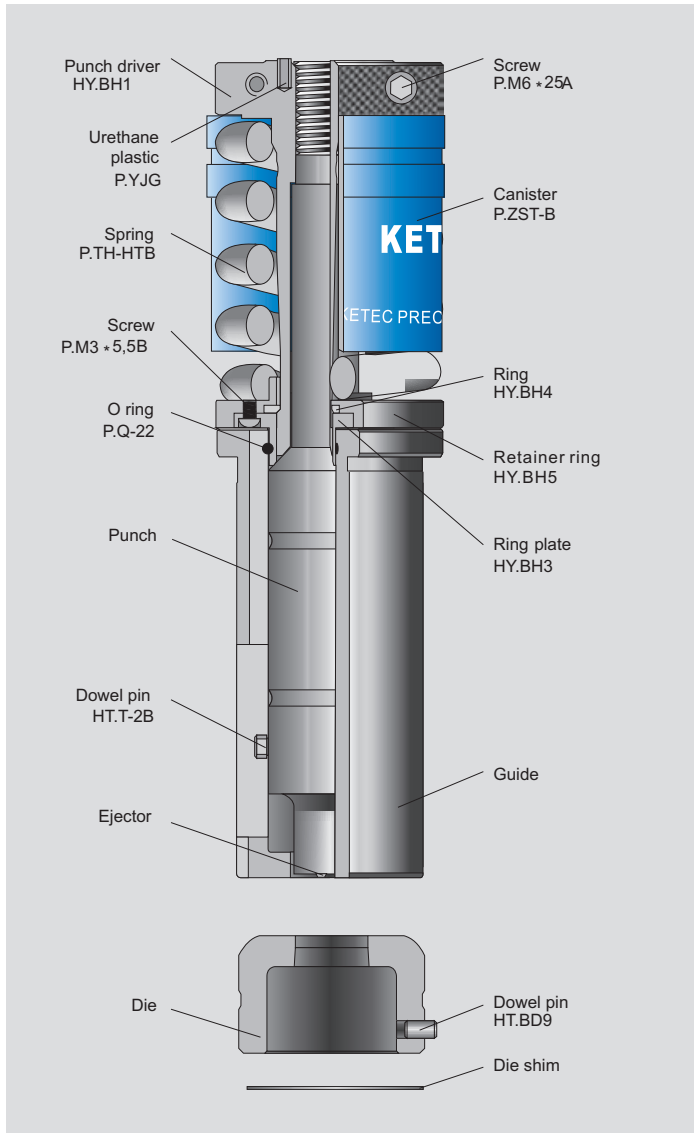
A Station(1/2") Round/Shape (1.6~12.7mm)



Punch Max. thickness:3.8mm(mild steel)

Description	M85	M85 ABS
Punch ass'y		
Round	HY.AA1RO.	HN.AA1RO.
Square(0,135)	HY.AA3SQ.	HN.AA3SQ.
Shape(0,90)	HY.AA2**.	HN.AA2**.
Other(0,90)	HY.AA2**.	HN.AA2**.
Punch		
Round(no pin)	HT.AP1RO.	HK.AP1RO.
Shape(pin)	HT.AP2**.	HK.AP2**.
Other(pin)	HT.AP2**.	HK.AA2**.
Die		
Round(no pin)	HT.AD1RO.	HT.AD1RO.
Shape(pin)	HT.AD2**.	HT.AD2**.
other(pin)	HT.AD2**.	HT.AD2**.
Guide		
Round(0)	HT.AG1RO.	HN.AG1RO.
Shape(0,90)	HT.AG2**.	HN.AG2**.
Square(0,135)	HT.AG3SQ.	HN.AG3SQ.
Punch head ass'y	HY.AH9	HY.AH9

Q-Adjust M 85(metric) PATENT TOOL



NOTE

- ◀ Std. punch grind life is 5mm
- ◀ Punch head ass'y always use when changing size
- ◀ Quick adjusting for intergrated punch head ass'y
- ◀ Square guide with 0° ,135°
Other shape with 0° ,90°
- ◀ Set ass'y include punch ass'y,die
- ◀ Punch ass'y: complete ass'y of punch to install in upper turret

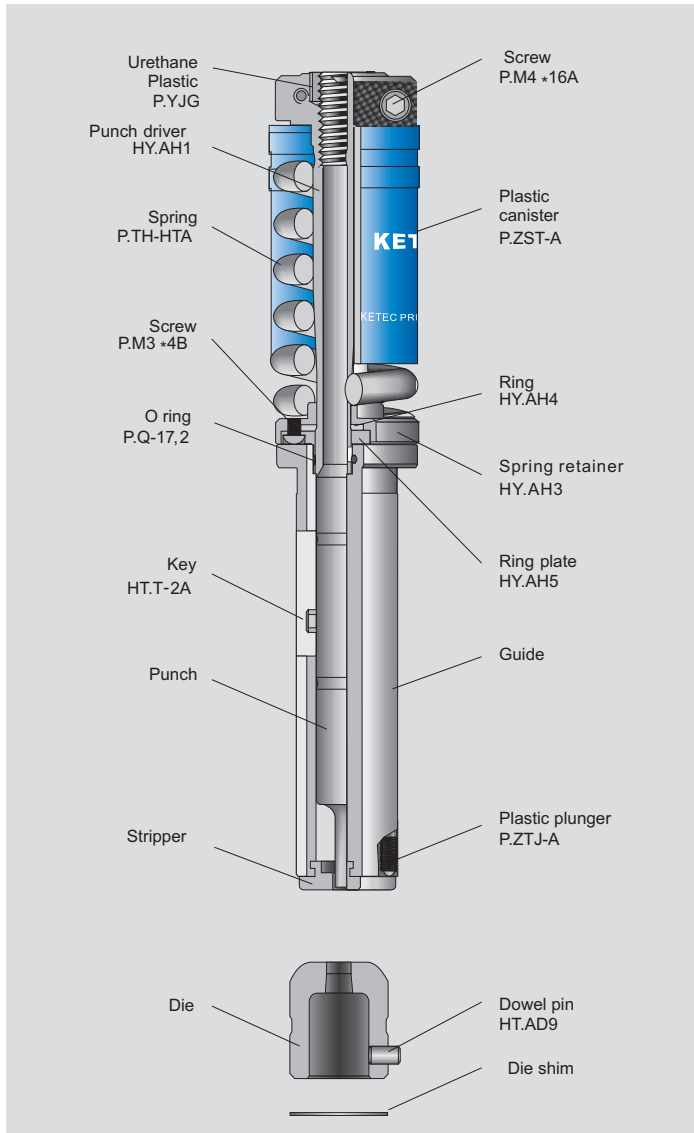
B Station(1 1/4") Round/Shape (12.71~31.7mm)



Punch Max. thickness:6.3mm(mild steel)

Description	M85	M85 ABS
Punch ass'y		
Round	HY.BA1RO.	HN.BA1RO.
Square(0,135)	HY.BA3SQ.	HN.BA3SQ.
Shape(0,90)	HY.BA2**.	HN.BA2**.
Other(0,90)	HY.BA2**.	HN.BA2**.
Punch		
Round(no pin)	HT.BP1RO.	HK.BP1RO.
Shape(pin)	HT.BP2**.	HK.BP2**.
Other(pin)	HT.BP2**.	HK.BA2**.
Die		
Round(no pin)	HT.BD1RO.	HT.BD1RO.
Shape(pin)	HT.BD2**.	HT.BD2**.
other(pin)	HT.BD2**.	HT.BD2**.
Guide		
Round(0)	HT.BG1RO.	HN.BG1RO.
Shape(0,90)	HT.BG2**.	HN.BG2**.
Square(0,135)	HT.BG3SQ.	HN.BG3SQ.
Punch head ass'y	HY.BH9	HY.BH9

Q-Adjust TOP 85 PATENT TOOL



NOTE

- ◀ Std. punch grind life is 5mm
- ◀ Only replace punch,stripper,die to change size, save cost for punch head ass'y
- ◀ Quick adjusting for intergrated punch head ass'y
- ◀ Square guide with 0° ,135°
Other shape with 0° ,90°
- ◀ Set ass'y include punch ass'y,die
- ◀ Punch ass'y: complete ass'y of punch to install in upper turret

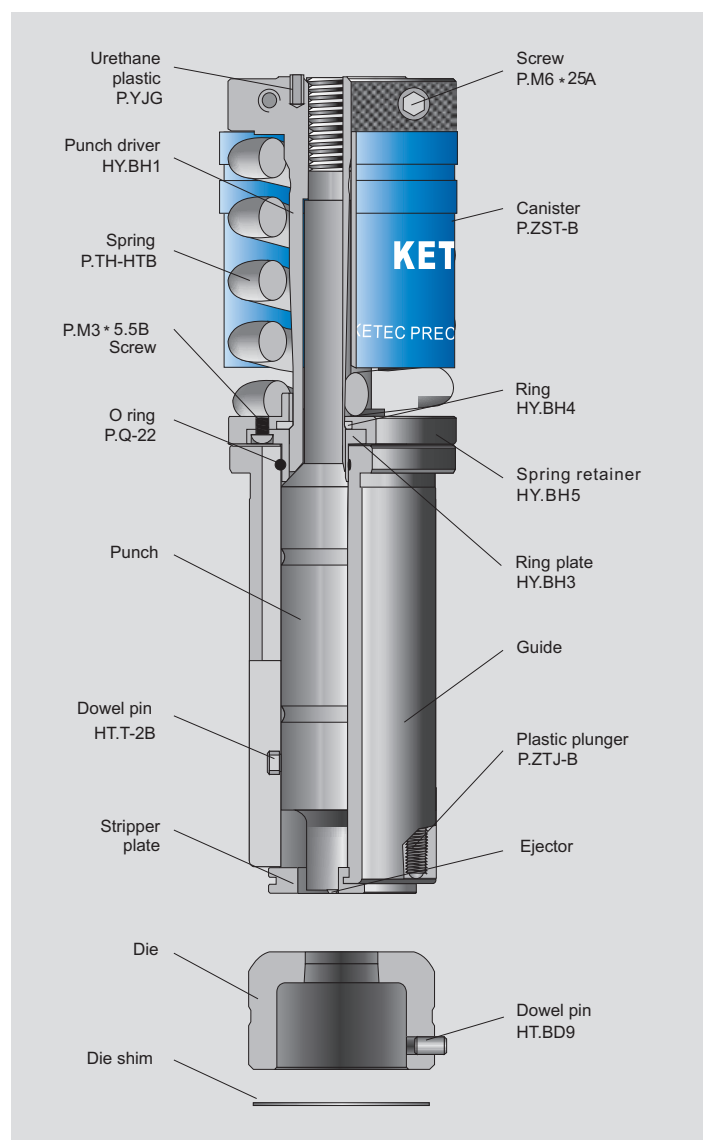
A Station(1/2") Round/Shape (1.6~12.7mm)



Punch Max. thickness:3.8mm(mild steel)

Description	M85	M85 ABS
Punch ass'y		
Round	HV.AA1RO.	HK.AA1RO.
Square(0,135)	HV.AA3SQ.	HK.AA3SQ.
Shape(0,90)	HV.AA2**.	HK.AA2**.
Other(0,90)	HV.AA2**.	HK.AA2**.
Punch		
Round(no pin)	HT.AP1RO.	HK.AP1RO.
Shape(pin)	HT.AP2**.	HK.AP2**.
Other(pin)	HT.AP2**.	HK.AP2**.
Stripper		
Round	H9.AS1RO.	HP.AS1RO.
Shape	H9.AS1**.	HP.AS1**.
Other	H9.AS1**.	HP.AS1**.
Die		
Round(no pin)	HT.AD1RO.	HT.AD1RO.
Shape(pin)	HT.AD2**.	HT.AD2**.
other(pin)	HT.AD2**.	HT.AD2**.
Guide		
Round(0)	HV.AG1	HK.AG1
Shape(0,90)	HV.AG2	HK.AG2
Square(0,135)	HV.AG3	HK.AG3
Punch head ass'y	HY.AH9	HY.AH9

Q-Adjust TOP 85 PATENT TOOL



NOTE

- ◀ Std. punch grind life is 5mm
- ◀ Only replace punch,stripper,die to change size, save cost for punch head ass'y
- ◀ Quick adjusting for intergrated punch head ass'y
- ◀ Square guide with 0° ,135°
Other shape with 0° ,90°
- ◀ Set ass'y include punch ass'y,die
- ◀ Punch ass'y: complete ass'y of punch to install in upper turret

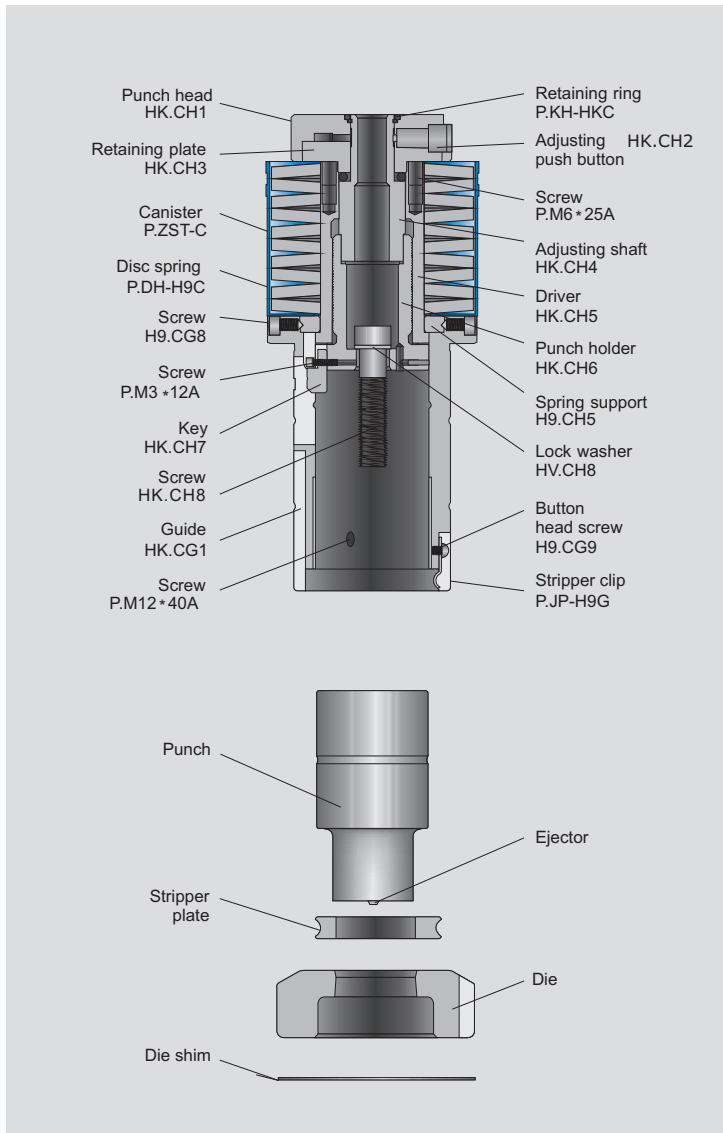
B Station(1 1/4") Round/Shape (12.71~31.7mm)



Punch Max. thickness:6.3mm(mild steel)

Description	TOP85	TOP85ABS
Punch ass'y Round Square(0,135) Shape(0,90) Other(0,90)	HV.BA1RO. HV.BA3SQ. HV.BA2**. HV.BA2**.	HK.BA1RO. HK.BA3SQ. HK.BA2**. HK.BA2**.
Punch Round(no pin) Shape(pin) Other(pin)	HT.BP1RO. HT.BP2**. HT.BP2**.	HK.BP1RO. HK.BP2**. HK.BP2**.
Stripper Round Shape Other	H9.BS1RO. H9.BS1**. H9.BS1**.	HP.BS1RO. HP.BS1**. HP.BS1**.
Die Round(no pin) Shape(pin) other(pin)	HT.BD1RO. HT.BD2**. HT.BD2**.	HT.BD1RO. HT.BD2**. HT.BD2**.
Guide Round(0) Shape(0,90) Square(0,135)	HV.BG1 HV.BG2 HV.BG3	HK.BG1 HK.BG2 HK.BG3
Punch head ass'y	HY.BH9	HY.BH9

Q-Adjust TOP 85 PATENT TOOL



NOTE

- STD.punch grind life is 5-8 mm,reduce cost 60%
- Adjust quickly and conveniently without shims
- Std.guide 0° ,90° ,135°
- Long life for guide,use premium tool steel
- Lubrication function
- Set ass'y include punch ass'y,die
- Punch ass'y: Guide ass'y,punch,stripper

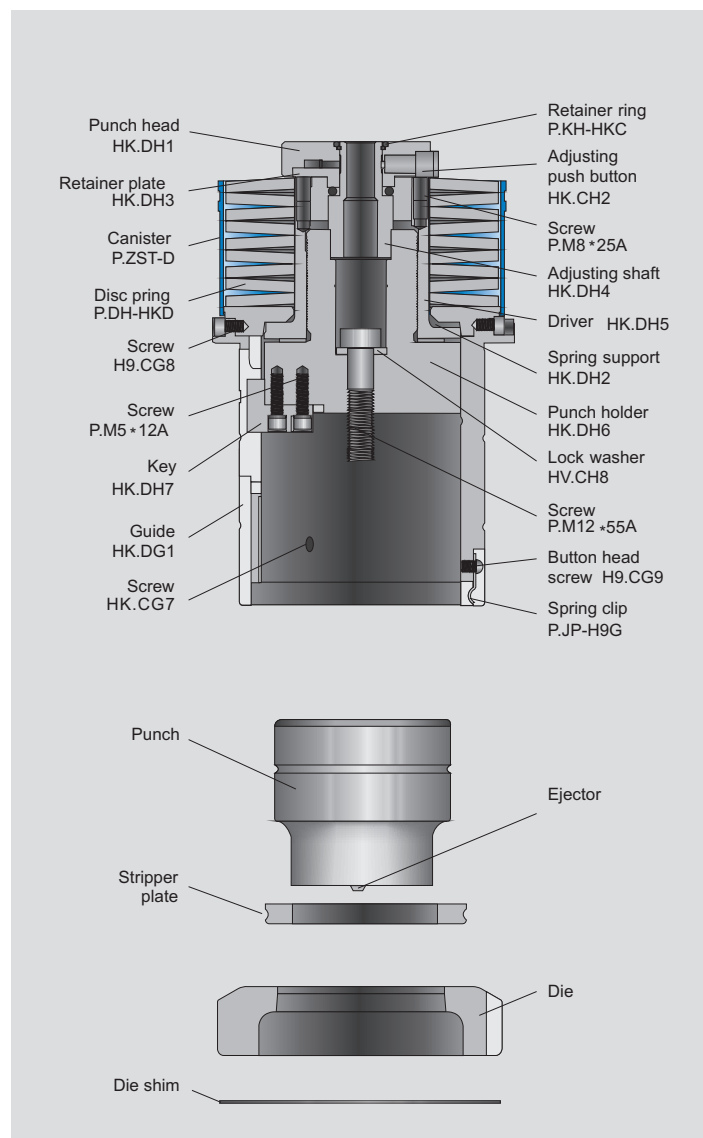
C Station(2") Round/Shape (31.71-50.8mm)



Punch Max. thickness:6.3mm(mild steel)

Description	TOP85	TOP85ABS
Punch ass'y		
Round	HV.CA1RO.	HK.CA1RO.
Shape	HV.CA1**.	HK.CA1**.
Other	HV.CA1**.	HK.CA1**.
Guide ass'y (0,90,135)	HV.CC1.	HK.CC1.
Punch		
Round	HT.CP1RO.	HK.CP1RO.
Shape	HT.CP2**.	HK.CP2**.
Other	HT.CP2**.	HK.CP2**.
Stripper		
Round	HT.CS1RO.	HK.CS1RO.
Shape	HT.CS1**.	HK.CS1**.
Other	HT.CS1**.	HK.CS1**.
Die		
Round(0)	HT.CD1RO.	HT.CD1RO.
Shape(0,90)	HT.CD2**.	HT.CD2**.
Other(0,90)	HT.CD2**.	HT.CD2**.
Square(Opit.0,135)	HT.CD3SQ.	HT.CD3SQ.

Q-Adjust TOP 85 PATENT TOOL



NOTE

- ◀ STD.punch grind life is 5-8 mm,reduce cost 60%
- ◀ Adjust quickly and conveniently without shims
- ◀ Std.guide 0° ,90° ,135°
- ◀ Long life for guide,use premium tool steel
- ◀ Lubrication function
- ◀ Set ass'y include punch ass'y,die
- ◀ Punch ass'y: Guide ass'y,punch,stripper

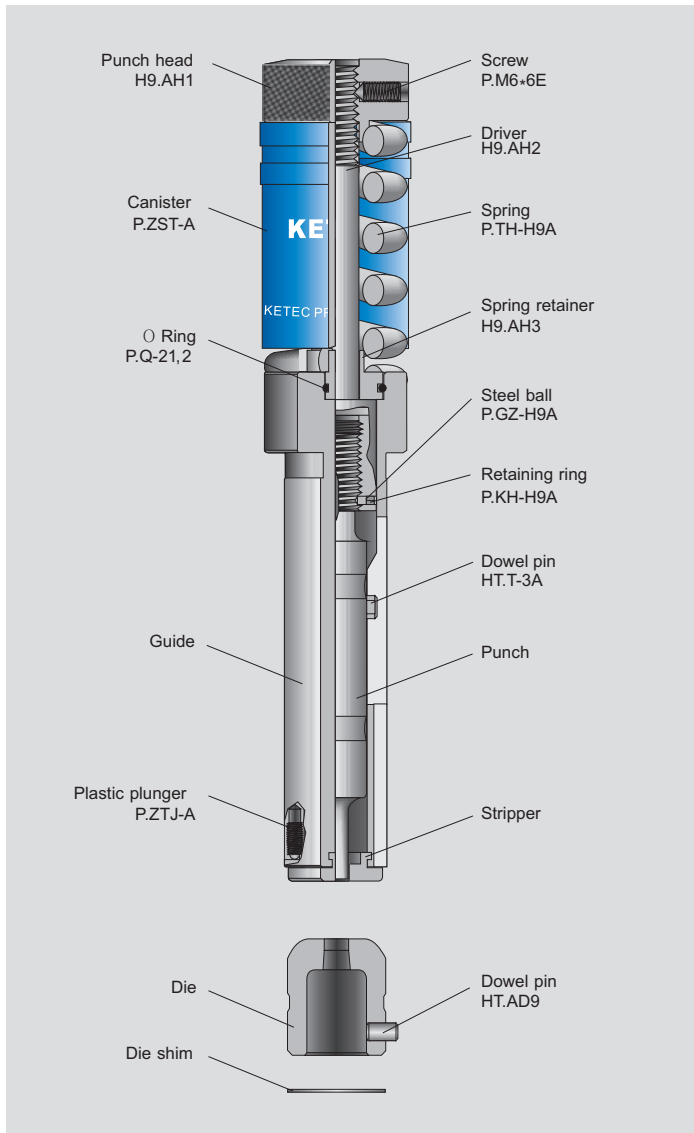
D Station(3 1/2") Round/Shape (50.81-88.9mm)



Punch Max. thickness:6.3mm(mild steel)

Description	TOP85	TOP85ABS
Punch ass'y		
Round	HV.DA1RO.	HK.DA1RO.
Shape	HV.DA1**.	HK.DA1**.
Other	HV.DA1**.	HK.DA1**.
Guide ass'y (0,90,135)	HV.DC1.	HK.DC1.
Punch		
Round	HT.DP1RO.	HK.DP1RO.
Shape	HT.DP2**.	HK.DP2**.
Other	HT.DP2**.	HK.DP2**.
Stripper		
Round	HT.DS1RO.	HK.DS1RO.
Shape	HT.DS1**.	HK.DS1**.
Other	HT.DS1**.	HK.DS1**.
Die		
Round(0)	HT.DD1RO.	HT.DD1RO.
Shape(0,90)	HT.DD2**.	HT.DD2**.
Other(0,90)	HT.DD2**.	HT.DD2**.
Square(Opit.0,135)	HT.DD3SQ.	HT.DD3SQ.

Q-Adjust TOP 90



NOTE

- 90 punch grind life is 6.5mm, reduce cost 60%
- Only replace punch, stripper, die to change size, save cost for punch head ass'y
- Separate punch head ass'y adjust quickly, can lubrication
- Set ass'y include punch ass'y, die
- Punch ass'y: complete ass'y of punch to install in upper turret

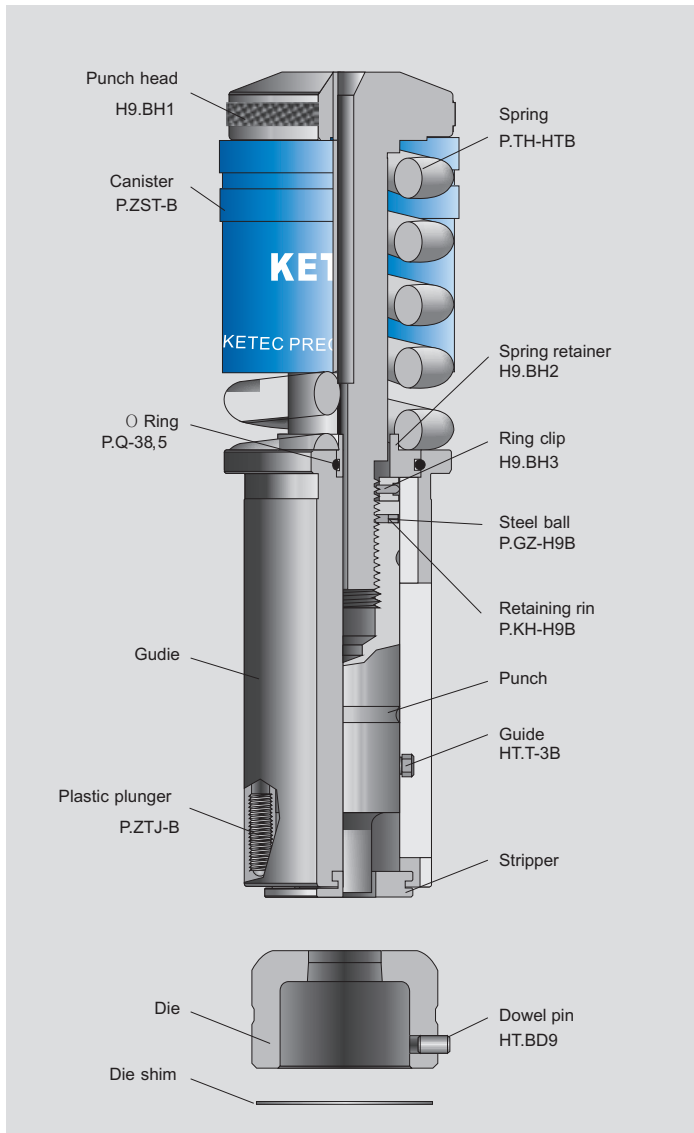
A Station(1/2") Round/Shape (1.6~12.7mm)



Punch Max. thickness:3.8mm(mild steel)

Description	TOP90	TOP90ABS
Punch ass'y Round Square(0,135) Shape(0,90) Other(0,90)	H9.AA1RO. H9.AA3SQ. H9.AA2**. H9.AA2**.	HP.AA1RO. HP.AA3SQ. HP.AA2**. HP.AA2**.
Punch Round(no pin) Shape(pin) Other(pin)	H9.AP1RO. H9.AP2**. H9.AP2**.	HP.AP1RO. HP.AP2**. HP.AP2**.
Stripper Round Shape Other	H9.AS1RO. H9.AS1**. H9.AS1**.	HP.AS1RO. HP.AS1**. HP.AS1**.
Die Round(no pin) Shape(pin) other(pin)	HT.AD1RO. HT.AD2**. HT.AD2**.	HT.AD1RO. HT.AD2**. HT.AD2**.
Guide Round(0) Shape(0,90) Square(0,135)	H9.AG1 H9.AG2 H9.AG3	HP.AG1 HP.AG2 HP.AG3
Punch head ass'y	H9.AH9	H9.AH9

Q-Adjust TOP90



NOTE

- ◀ 90 punch grind life is 6.5mm, reduce cost 60%
- ◀ Only replace punch, stripper, die to change size, save cost for punch head ass'y
- ◀ Separate punch head ass'y adjust quickly, can lubrication
- ◀ Set ass'y include punch ass'y, die
- ◀ Punch ass'y: complete ass'y of punch to install in upper turret

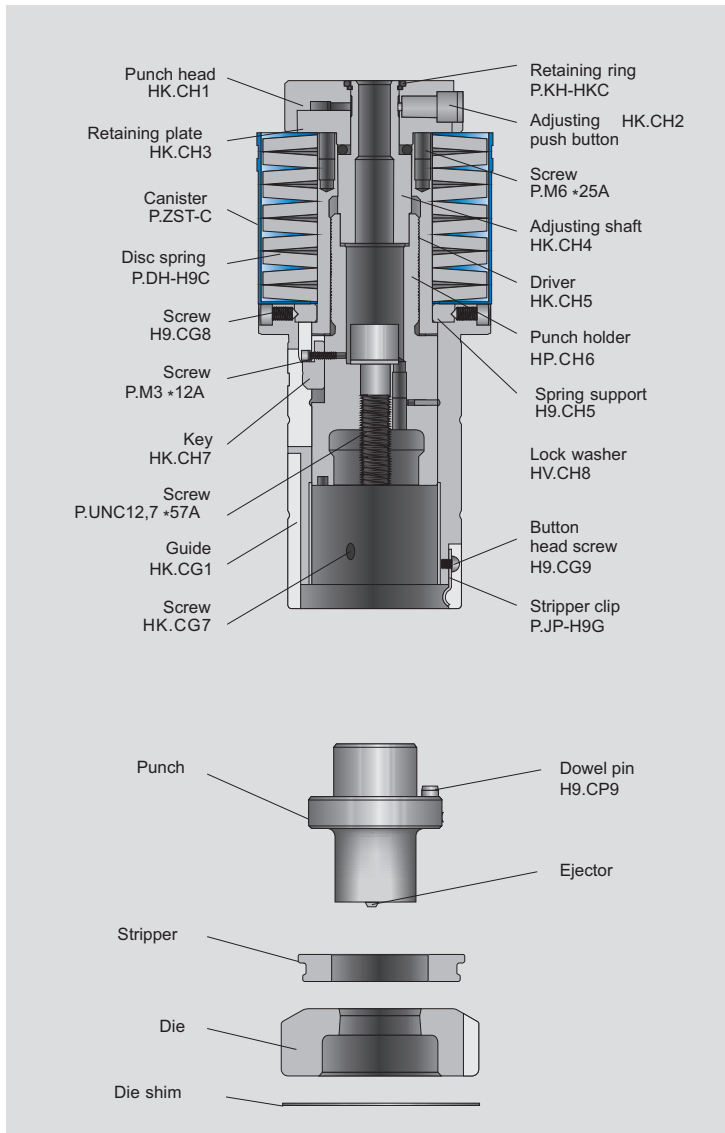
B Station(1 1/4") Round/Shape (12.71~31.7mm)



Punch Max. thickness: 6.3mm (mild steel)

Description	TOP90	TOP90ABS
Punch ass'y		
Round	H9.BA1RO.	HP.BA1RO.
Square(0,135)	H9.BA3SQ.	HP.BA3SQ.
Shape(0,90)	H9.BA2**.	HP.BA2**.
Other(0,90)	H9.BA2**.	HP.BA2**.
Punch		
Round(no pin)	H9.BP1RO.	HP.BP1RO.
Shape(pin)	H9.BP2**.	HP.BP2**.
Other(pin)	H9.BP2**.	HP.BP2**.
Stripper		
Round	H9.BS1RO.	HP.BS1RO.
Shape	H9.BS1**.	HP.BS1**.
Other	H9.BS1**.	HP.BS1**.
Die		
Round(no pin)	HT.BD1RO.	HT.BD1RO.
Shape(pin)	HT.BD2**.	HT.BD2**.
other(pin)	HT.BD2**.	HT.BD2**.
Guide		
Round(0)	H9.BG1	HP.BG1
Shape(0,90)	H9.BG2	HP.BG2
Square(0,135)	H9.BG3	HP.BG3
Punch head ass'y	H9.BH9	H9.BH9

Q-Adjust TOP90



NOTE

- ✦ Prevent slug pulling, sheet pulling. improve life
- ✦ ABS guide with better lubrication, longer life
- ✦ Punch grind life is 5-8mm, reduce cost 60%
- ✦ Adjust quickly and conveniently without shims
- ✦ Guide slog with 0,90,135
- ✦ Set ass'y include punch ass'y, die
- ✦ Punch ass'y: Guide ass'y, punch, stripper

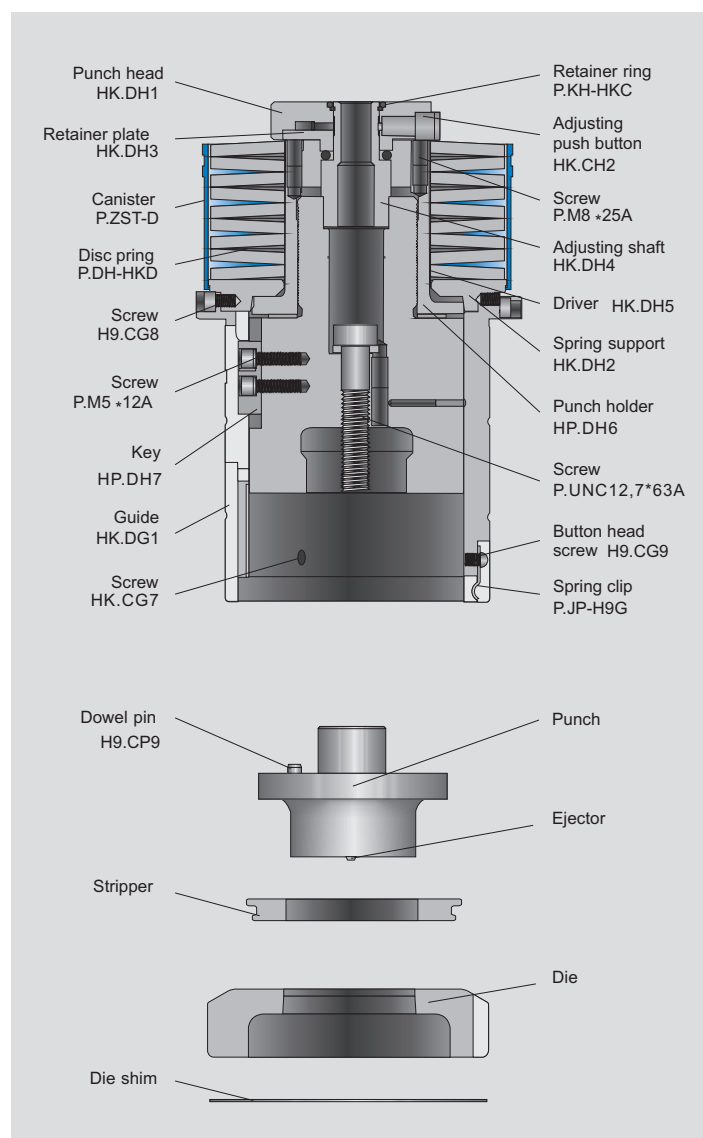
C Station(2") Round/Shape (31.71-50.8mm)



Punch Max. thickness: 6.3mm (mild steel)

Description	TOP90	TOP90ABS
Punch ass'y		
Round	HJ.CA1RO.	HP.CA1RO.
Shape	HJ.CA1**.	HP.CA1**.
Other	HJ.CA1**.	HP.CA1**.
Guide ass'y (0,90,135)	HP.CC1.	HP.CC1.
Punch		
Round	H9.CP1RO.	H9.CP1RO.
Shape	H9.CP1**.	H9.CP1**.
Other	H9.CP1**.	H9.CP1**.
Stripper		
Round	H9.CS1RO.	HP.CS1RO.
Shape	H9.CS1**.	HP.CS1**.
Other	H9.CS1**.	HP.CS1**.
Die		
Round(0)	HT.CD1RO.	HT.CD1RO.
Shape(0,90)	HT.CD2**.	HT.CD2**.
Other(0,90)	HT.CD2**.	HT.CD2**.
Square(0pit.0,135)	HT.CD3SQ.	HT.CD3SQ.

Q-Adjust TOP90



NOTE

- ⌂ Prevent slug pulling, sheet pulling. improve life
- ⌂ ABS guide with better lubrication, longer life
- ⌂ Punch grind life is 5-8mm, reduce cost 60%
- ⌂ Adjust quickly and conveniently without shims
- ⌂ Guide slog with 0,90,135
- ⌂ Set ass'y include punch ass'y, die
- ⌂ Punch ass'y: Guide ass'y, punch, stripper

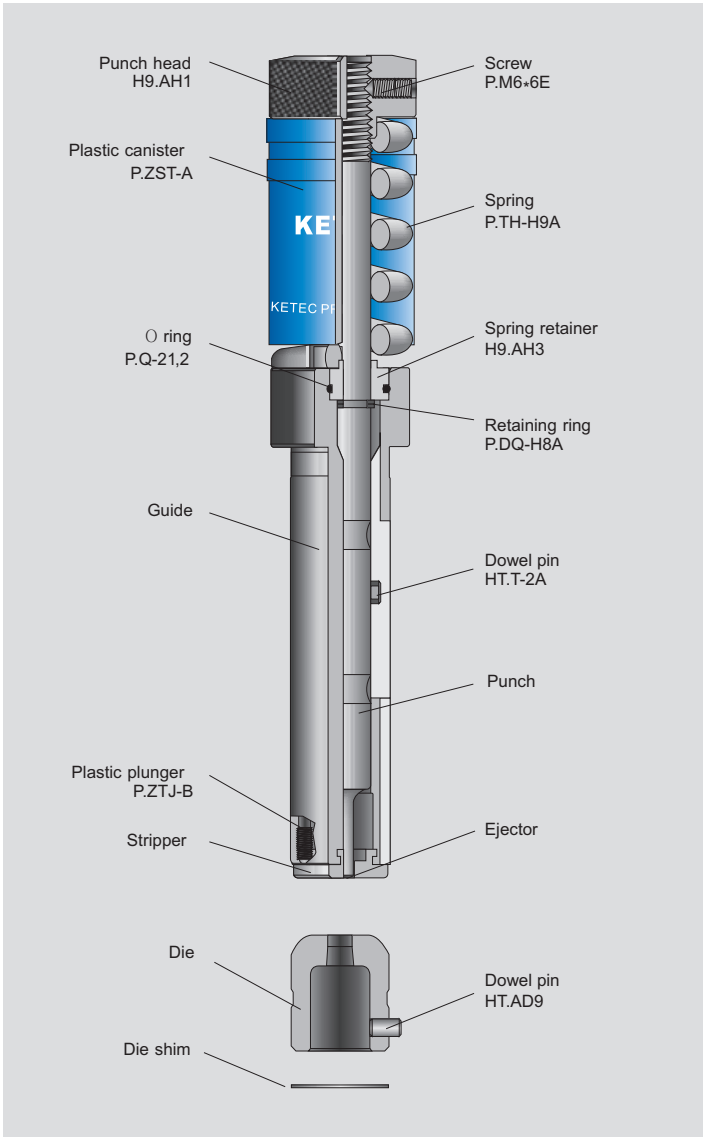
D Station(3 1/2") Round/Shape (50.81-88.9mm)



Punch Max. thickness: 6.3mm (mild steel)

Description	TOP90	TOP90ABS
Punch ass'y		
Round	H9.DA1RO.	HP.DA1RO.
Shape	H9.DA1**.	HP.DA1**.
Other	H9.DA1**.	HP.DA1**.
Guide ass'y (0,90,135)	H9.DC1.	HP.DC1.
Punch		
Round	H9.DP1RO.	H9.DP1RO.
Shape	H9.DP1**.	H9.DP1**.
Other	H9.DP1**.	H9.DP1**.
Stripper		
Round	H9.DS1RO.	HP.DS1RO.
Shape	H9.DS1**.	HP.DS1**.
Other	H9.DS1**.	HP.DS1**.
Die		
Round(0)	HT.DD1RO.	HT.DD1RO.
Shape(0,90)	HT.DD2**.	HT.DD2**.
Other(0,90)	HT.DD2**.	HT.DD2**.
Square(Opit.0,135)	HT.DD3SQ.	HT.DD3SQ.

E 80



NOTE

- Interchange with popular tooling
- Set ass'y include punch ass'y,die
- Punch ass'y: complete ass'y of punch to install in upper turret

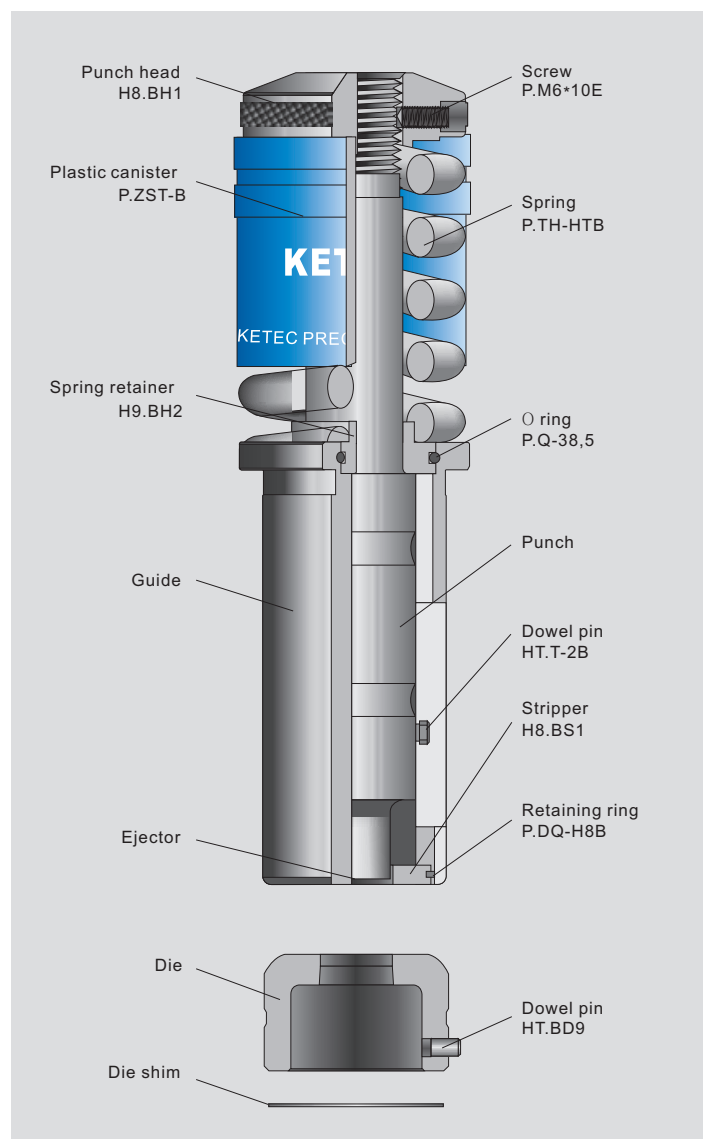
A Station(1/2") Round/Shape (1.6~12.7mm)



Punch Max. thickness:3.8mm(mild steel)

Description	Part Code	Price
Punch ass'y		
Round	H8.AA1RO.	
Square(0,135)	H8.AA3SQ.	
Shape(0,90)	H8.AA2**.	
Other(0,90)	H8.AA2**.	
Punch		
Round(no pin)	H8.AP1RO.	
Shape(pin)	H8.AP2**.	
Other(pin)	H8.AP2**.	
Stripper		
Round	H9.AS1RO.	
Shape	H9.AS1**.	
Other	H9.AS1**.	
Die		
Round(no pin)	HT.AD1RO.	
Shape(pin)	HT.AD2**.	
other(pin)	HT.AD2**.	
Guide(Opt.solid)		
Round(0)	H8.AG1RO.	
Shape(0,90)	H8.AG2**.	
Square(0,135)	H8.AG3SQ.	
Guide (Std.open)		
Round(0)	H9.AG1	
Shape(0,90)	H9.AG2	
Square(0,135)	H9.AG3	
Punch head ass'y	H8.AH9	

E 80



NOTE

- ◀ Interchange with popular tooling
Set ass'y include punch ass'y, die
- ◀ Punch ass'y: complete ass'y of punch
to install in upper turret

B Station(1 1/4") Round/Shape (12.71~31.7mm)

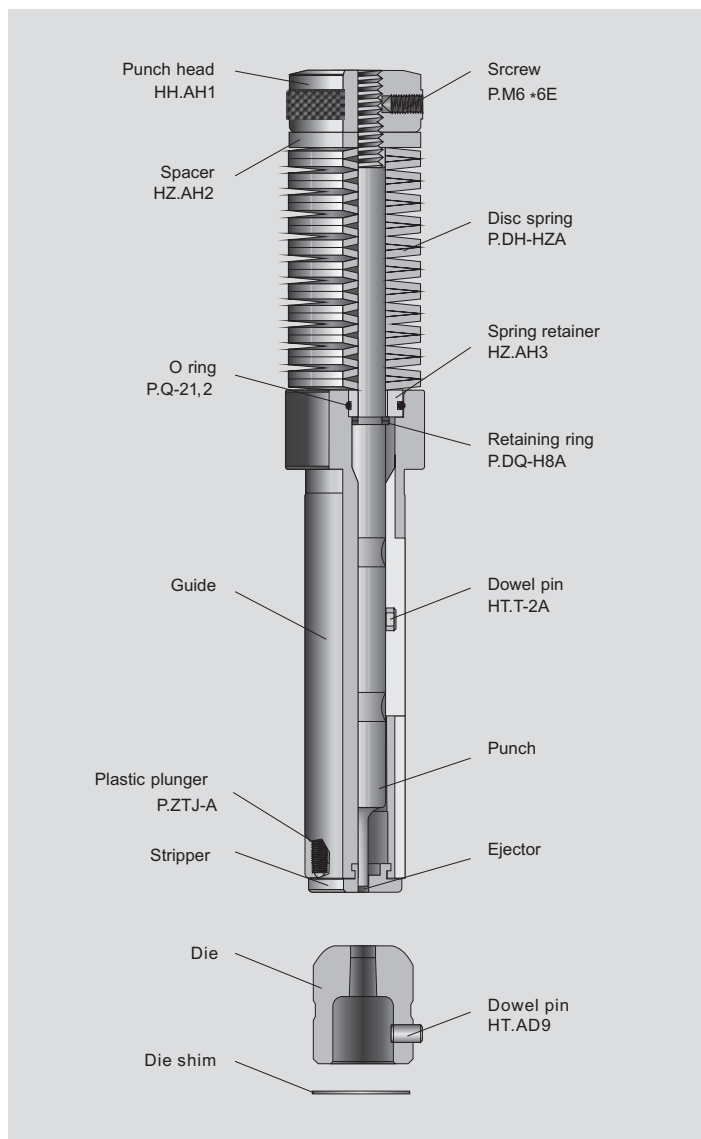


Punch Max. thickness:6.3mm(mild steel)

Description	Part Code	Price
Punch ass'y Round Square(0,135) Shape(0,90) Other(0,90)	H8.BA1RO. H8.BA3SQ. H8.BA2**. H8.BA2**.	
Punch Round(no pin) Shape(pin) Other(pin)	H8.BP1RO. H8.BP2**. H8.BP2**.	
Stripper Round Shape Other	H8.BS1RO. H8.BS1**. H8.BS1**.	
Die Round(no pin) Shape(pin) other(pin)	HT.BD1RO. HT.BD2**. HT.BD2**.	
Guide Round(0) Shape(0,90) Square(0,135)	H8.BG1 H8.BG2 H8.BG3	
Punch head ass'y	H8.BH9	

SPH80

A Station(1/2") Round/Shape (1.6~12.7mm)



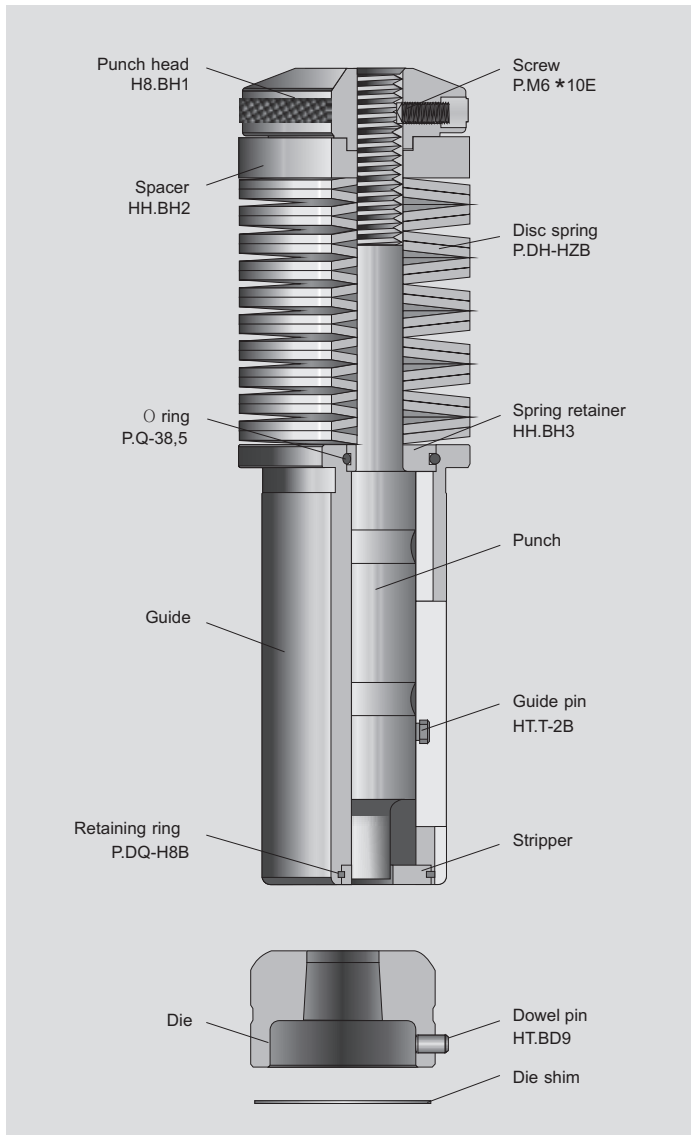
Punch Max. thickness:6.3mm(mild steel)

NOTE

- ◀ Suggest to select heavy duty for thickness over 2.5mm T stainless steel, or over 3.5mm MS
- ◀ Coating punch is advised
- ◀ Set ass'y include punch ass'y, die
- ◀ Punch ass'y: complete ass'y of punch to install in upper turret

Description	Part Code	Price
Punch ass'y Round Square(0,135) Shape(0,90) Other(0,90)	HH.AA1RO. HH.AA3SQ. HH.AA2**. HH.AA2**.	
Punch Round(no pin) Shape(pin) Other(pin)	HH.AP1RO. HH.AP2**. HH.AP2**.	
Stripper Round Shape Other	H9.AS1RO. H9.AS1**. H9.AS1**.	
Die Round(no pin) Shape(pin) other(pin)	HZ.AD1RO. HZ.AD2**. HZ.AD2**.	
Guide Round(0) Shape(0,90) Square(0,135)	H9.AG1 H9.AG2 H9.AG3	
Punch head ass'y	HH.AH9	

SPH90



NOTE

- ◀ Suggest to select heavy duty for thickness over 2.5mm T stainless steel, or over 3.5mm MS
- ◀ Coating punch is advised
- ◀ Set ass'y include punch ass'y, die
- ◀ Punch ass'y: complete ass'y of punch to install in upper turret

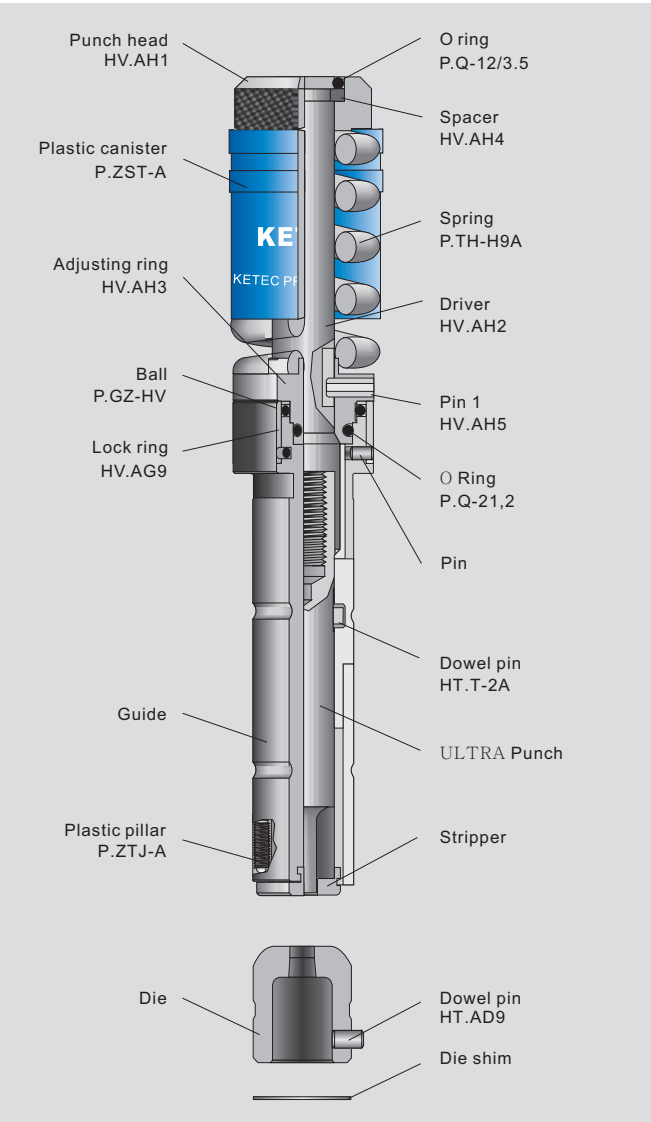
B Station(1 1/4") Round/Shape (12.71~31.7mm)



Punch Max. thickness: 6.3mm (mild steel)

Description	Part Code	Price
Punch ass'y		
Round	HH.BA1RO.	
Square(0,135)	HH.BA3SQ.	
Shape(0,90)	HH.BA2**.	
Other(0,90)	HH.BA2**.	
Punch		
Round(no pin)	HH.BP1RO.	
Shape(pin)	HH.BP2**.	
Other(pin)	HH.BP2**.	
Stripper		
Round	H8.BS1RO.	
Shape	H8.BS1**.	
Other	H8.BS1**.	
Die		
Round(no pin)	HZ.BD1RO.	
Shape(pin)	HZ.BD2**.	
other(pin)	HZ.BD2**.	
Guide		
Round(0)	H8.BG1	
Shape(0,90)	H8.BG2	
Square(0,135)	H8.BG3	
Punch head ass'y	HH.BH9	

KU TOOLING



NOTE

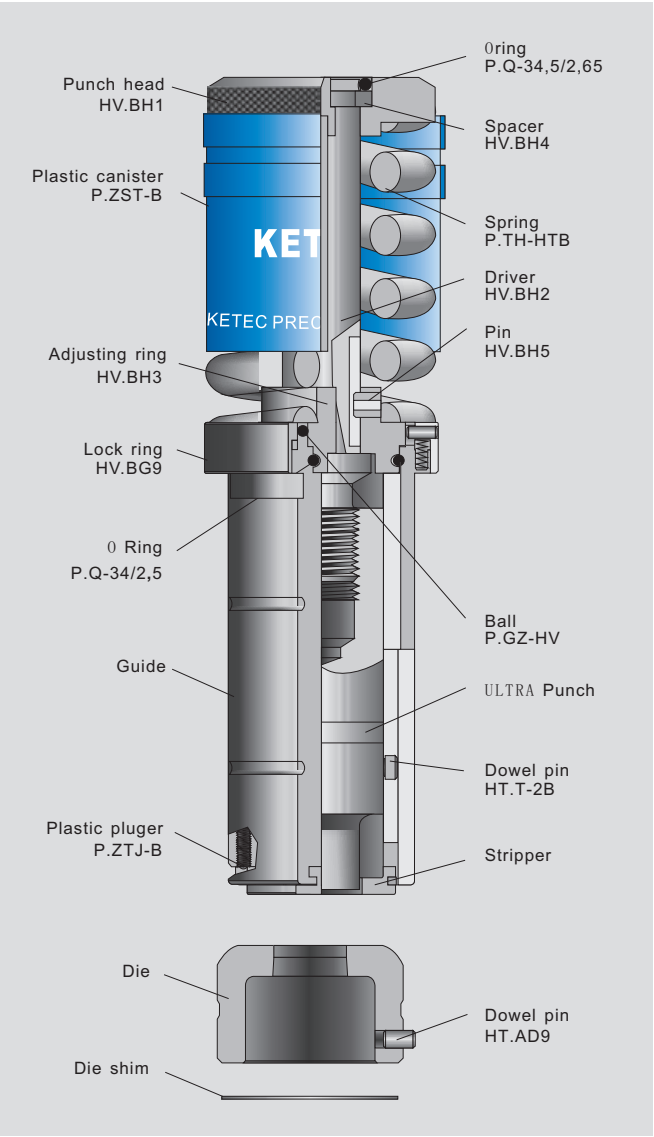
- ⚡ Ultra punch grind life is 6.5mm,reduce cost
 - ⚡ Only replace punch,stripper,die to change size, save cost for punch head ass'y
 - ⚡ Separate punch head ass'y adjust quickly,
 - ⚡ Set ass'y include punch ass'y,die
- Punch ass'y: complete ass'y of punch to install in upper turret

A Station(1/2") Round/Shape (1.6~12.7mm)



Description	Code	Price
Punch ass'y		
Round	HV.AA1	
Square(0,135)	HV.AA3	
Shape(0,90)	HV.AA2	
Other(0,90)	HV.AA2	
Punch		
Round(no pin)	HV.AP1RO	
Shape(pin)	HV.AP1**.	
Other(pin)	HV.AP1**.	
Stripper		
Round	HV.AS1RO	
Shape	HV.AS1**.	
Other	HV.AS1**.	
Die		
Round(no pin)	HT.AD1RO	
Shape(pin)	HV.AD2**.	
other(pin)	HV.AD2**.	
Guide		
Round(0)	HV.AG1	
Shape(0,90)	HV.AG2	
Square(0,135)	HV.AG3	
Punch head ass'y	HV.AH9	

KU TOOLING



NOTE

- Ultra punch grind life is 6.5mm, reduce cost
- Only replace punch, stripper, die to change size, save cost for punch head ass'y
- Separate punch head ass'y adjust quickly,
- Set ass'y include punch ass'y, die
- Punch ass'y: complete ass'y of punch to install in upper turret

B Station(1 1/4") Round/Shape (12.71~31.7mm)



Description	Part Code	Price
Punch ass'y		
Round	HV.BA1	
Square(0,135)	HV.BA3	
Shape(0,90)	HV.BA2	
Other(0,90)	HV.BA2	
Punch		
Round(no pin)	HV.BP1RO	
Shape(pin)	HV.BP1**.	
Other(pin)	HV.BP1**.	
Stripper		
Round	HV.BS1RO	
Shape	HV.BS1**.	
Other	HV.BS1**.	
Die		
Round(no pin)	HT.BD1RO	
Shape(pin)	HV.BD2**.	
other(pin)	HV.BD2**.	
Guide		
Round(0)	HV.BG1	
Shape(0,90)	HV.BG2	
Square(0,135)	HV.BG3	
Punch head ass'y	HV.BH9	

MULTI-TOOL

For FINN-POWER



Product	FIN-8-24mm		FIN-10-16mm		FIN-24-8mm	
	Code	Price	Code	Price	Code	Price
Punch insert						
Round	HF.8P1		HF.10P1		HF.24P1	
Shape	HF.8P1		HF.10P1		HF.24P1	
Stripper						
Round (No pin)	HF.8S1		HF.10S1		HF.24S1	
Shape (Pin)	HF.8S2		HF.10S2		HF.24S2	
Square (Pin)	HF.8S3		HF.10S3			
Pin	HF.10D9		HF.10D9		HF.24D9	
Die						
Round (No pin)	HF.8D1		HF.10D1		HF.24D1	
Shape (Pin)	HF.8D2		HF.10D2		HF.24D2	
Square (Pin)	HF.8D3		HF.10D3			
Pin	HF.8D9		HF.10D9		HF.24D9	

Product	WT-8		WT-3		EUR-6		STR-8		BOS-6	
	Code	Price	Code	Price	Code	Price	Code	Price	Code	Price
Punch insert										
Round	HW.8P1		H9.BP1		HE.6P1		HS.8P1		HB.6P1	
Square	HW.8P3									
Shape	HW.8P2		H9.BP2		HE.6P2		HS.8P2		HB.6P2	
Pin			HT.T-3B		HT.T-2B		HS.8P9		HB.6P9	
Stripper										
Round	HW.8S1		HW.3S1		HE.6S1					
Shape	HW.8S1		HW.3S1		HE.6S1					
Die										
Round (No pin)	HW.8D1		HW.3D1		HF.8D1		HS.8D1		HB.6D1	
Shape (Pin)	HW.8D2		HW.3D2		HF.8D2		HS.8D2		HB.6D1	
Sqaure (Pin)					HF.8D3					
Pin	HT.AD9		HT.AD9		HF.8D9		HS.8D9			

NOTE



- ◀ WT -8、WT -3 FOR WILSON MULTI-TOOL
- ◀ EUR-6 : FOR EUROMAC
- ◀ STR-8 : FOR STRIPPIT

SLITTING TOOL



Description	D Station		E Station		Remark (mm)
	Code	Price	Code	Price	
Blade	HI.DT1RE		HI.ET1RE		Width 16
Holder	HI.DT9		HI.ET9		
Holder (ABS)	HI.DT8		HI.ET8		
Blade	HI.DM1RE		HI.EM1RE		Width 18
Holder	HI.DM9				

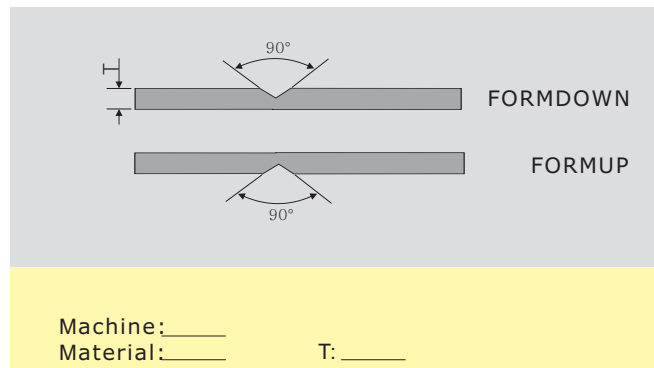
Description	C Station		D Station		E Station		Remark (mm)
	Code	Price	Code	Price	Code	Price	
Blade	HI.CW1RE		HI.DW1RE		HI.EW1RE		Width 19.05
Holder	HI.CW9						
Blade	HI.CR1RE						Width 15

ULTRA TOOLING



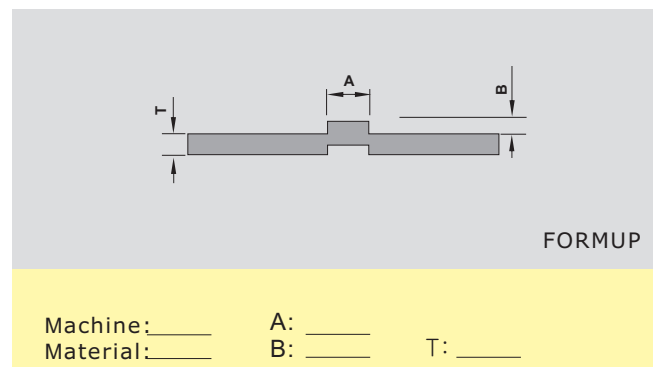
A Station	Code	Price	B Station	Code	Price
Punch			Punch		
Round	HU.AP1RO		Round	HU.BP1RO	
Shape	HU.AP1**		Shape	HU.BP1**	
Stripper			Stripper		
Round	HU.AS1RO		Round	HU.BS1RO	
Shape	HU.AS1**		Shape	HU.BS1**	
C Station	Code	Price	D Station	Code	Price
Stripper			Stripper		
Round	HU.CS1RO		Round	HU.DS1RO	
Shape	HU.CS1**		Shape	HU.DS1**	

CENTERPOINT



- ① Forbid punching empty
- ② Control point depth with punch ass'y height
- ③ Two typess: Form up and Form down
- ④ Angle:90 degree,Max.thickness:6.0mm
- ⑤ Please fill in the above form

HALF SHEAR



- ① Max.B size :0.6 X thickness.
- ② Two typess: Form up and Form down.
- ③ Give tool enough time to strip.
- ④ Please fill in the above form

EXTRUSION



FORMUP

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

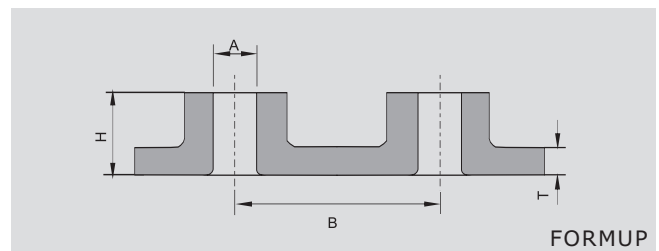
- ① Need prepunch
- ② Give tool enough time to strip
- ③ Replaceable insert design on extrusion
- ④ Max.thickness: 2mm for mild steel or AL.
1mm for stainless.
- ⑤ Forming height Max.H: over 3 x thread pitch
- ⑥ Two typess: Form up and Form down.
- ⑦ Please fill in the above form.

● Prepunch size (Mild steel, Aluminum)

Unit : mm

Thickness		0.8		1.0		1.2		1.6 (AL 1.5)		2.0		2.3	
	ØA	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

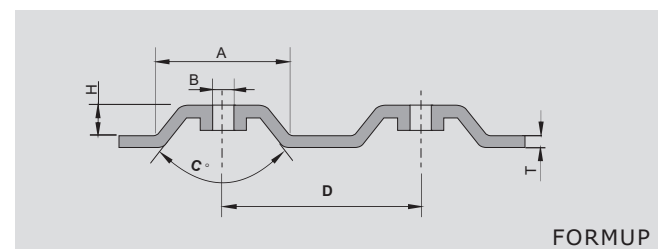
EXTRUSION



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

- ① Need prepunch
- ② Give tool enough time to strip
- ③ Max.thickness: 2mm for mild steel or AL
1mm for stainless
- ④ Max.H $\geq$ 2T
- ⑤ Two typess: Form up and Form down
- ⑥ Please fill in above form

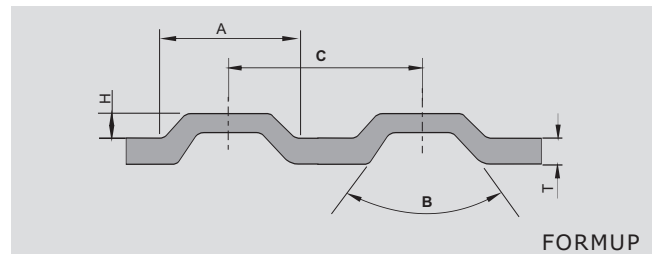
EMBOSS AND EXTRUSION



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.

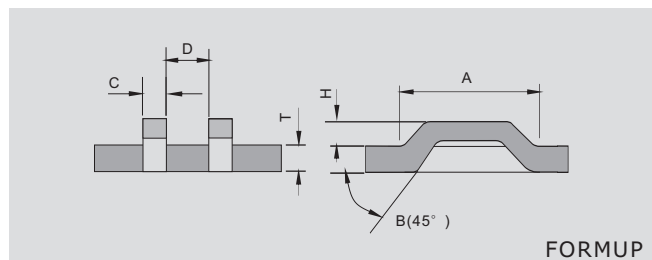
EMBOSS



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

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

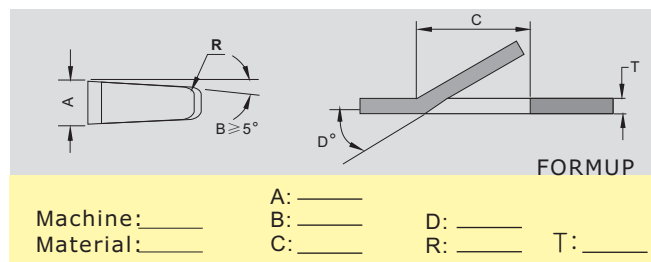
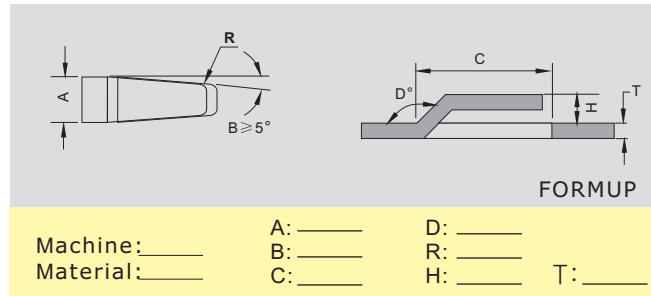
BRIDGE



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

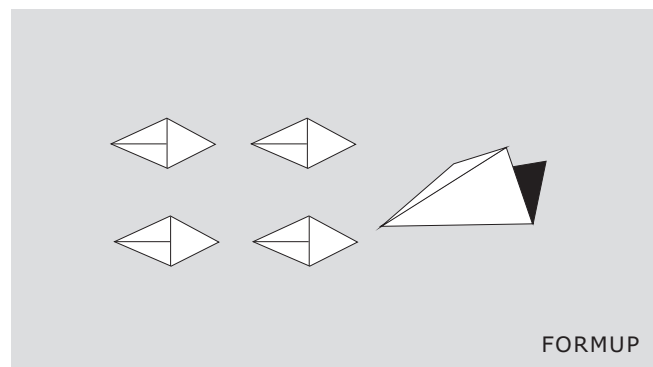
- ① Design single or double bridge,
- ② Give tool enough time to strip
- ③ Two types: formdown and formup
- ④ Bridge width (C) $\geq 2XT$ and $\geq 1.8\text{mm}$
- ⑤ Please fill in the above form

LANCE AND FORM



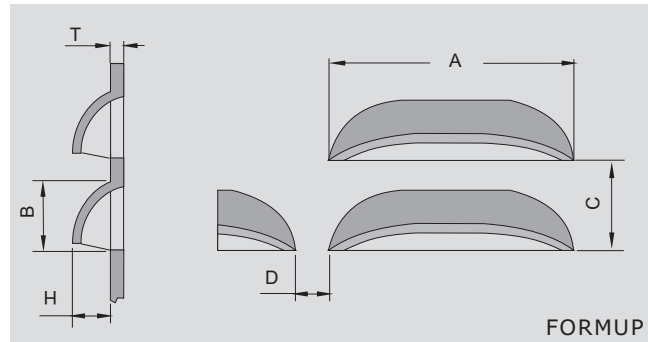
- ① Tooling is made for specific thickness
- ② Give tool enough time to strip
- ③ Two types: only form up

LOCATOR



- ① No scab on opposite side of sheetmetal
- ② Use thinner thickness if shear button cannot make
- ③ Forbid punching empty
- ④ Min.spaces between centers of locators: 15mm

CLOSE LOUVER



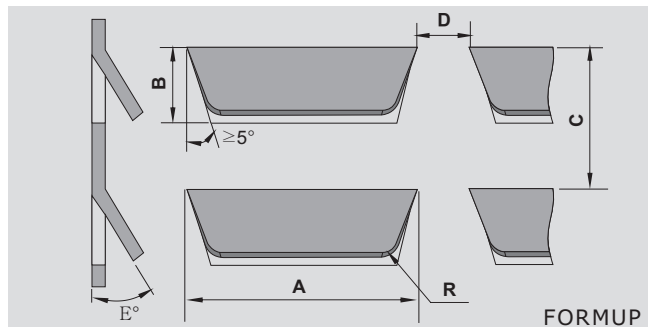
Machine: _____
Material: _____

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

	STOCKED SIZE			
A SIZE	50mm	60mm	80mm	80mm
B SIZE	10mm	10mm	10mm	12mm
H SIZE	5mm	5mm	6mm	6mm

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

OPEN LOUVER

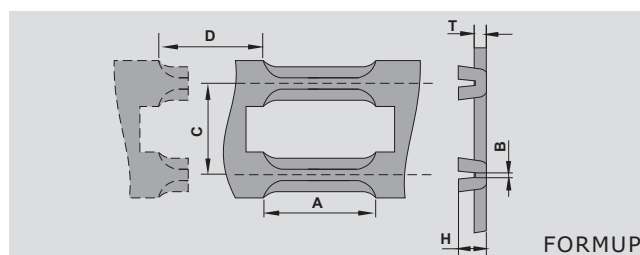


Machine: _____
Material: _____

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

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

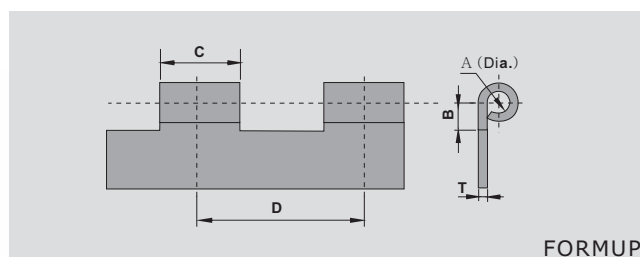
CARD GUIDE



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

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

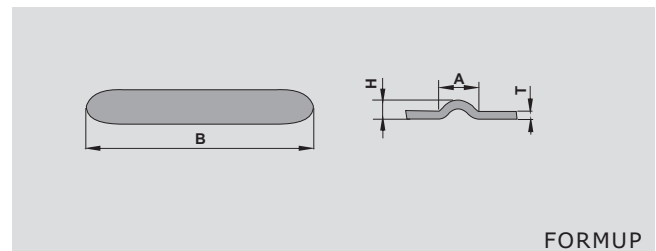
HINGLE



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

- ① Tooling is made for specific 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)

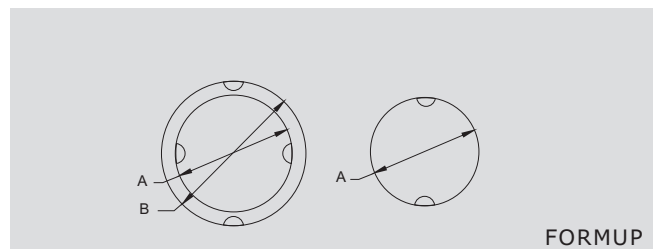
RIB TOOL



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

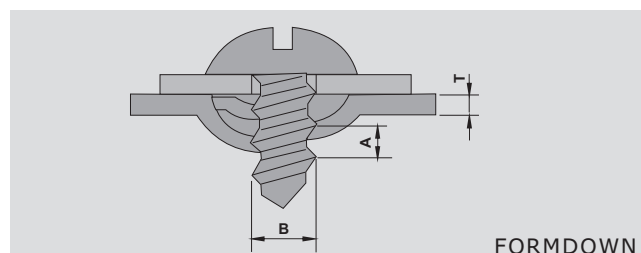
KNOCKOUT



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

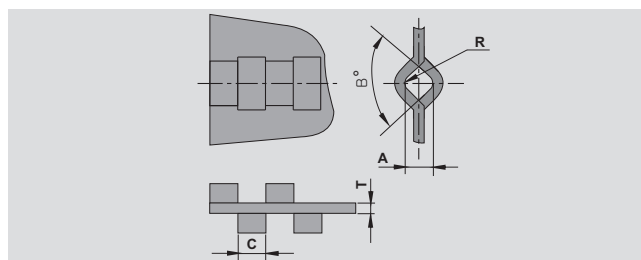


FORMDOWN

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

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

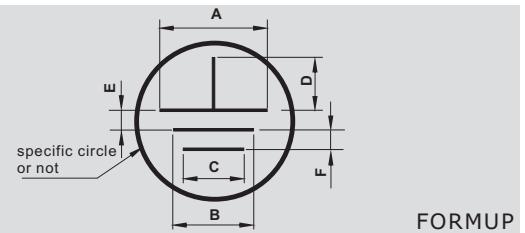
THREAD LOOP



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

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

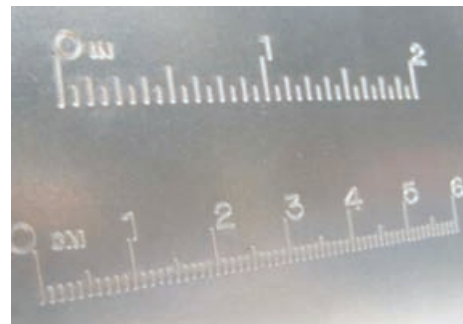
STAMPING



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

- 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.

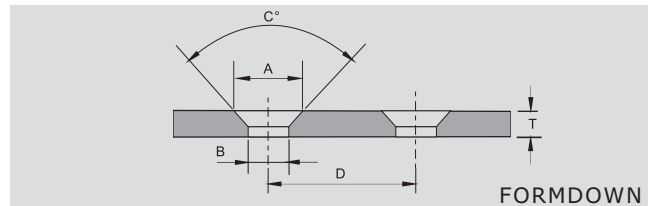
MULTI-SCRIBE



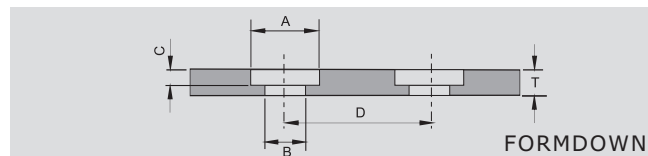
FORMDOWN

- ① Forbid punch empty
- ② Control special program in machine
- ③ Change spring for different sheetmetal
- ④ in auto index station
- ⑤ Only form down

COUNTERSINK



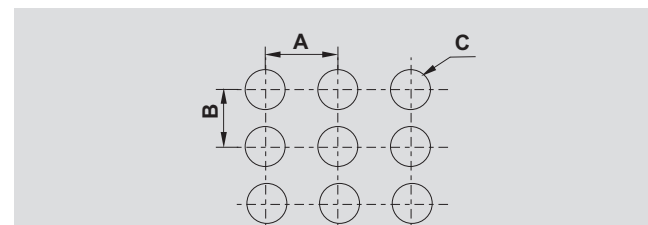
Machine: _____ A: _____ D: _____
Material: _____ B: _____ T: _____
C: _____



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

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

CLUSTER



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

- 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

ADPTOR



	Description	Code	Price
B-A	Set ass'y	J.H-BA1	
	Punch ass'y	J.H-BA3	
C-A	Set ass'y	J.H-CA1	
	Punch ass'y	J.H-CA3	
D-A	Set ass'y	J.H-DA1	
	Punch ass'y	J.H-DA3	
C-B	Set ass'y	J.H-CB1	
	Punch ass'y	J.H-CB3	
D-B	Set ass'y	J.H-DB1	
	Punch ass'y	J.H-DB3	
D-C	Set ass'y	J.H-DC1	
	Punch ass'y		



Adjustment cap

Code	Price
P.TZD	

ALIGNMENT TOOL



Description		
	Code	Price
Set ass'y	J.DW-HA1	
Punch ass'y	J.DW-HA2	
Die	J.DW-HA3	
T-handle	J.DW-HA4	



Description	B Station	
	Code	Price
Set ass'y	J.DW-HB1	
Punch ass'y	J.DW-HB2	
Die	J.DW-HB3	
T-handle	J.DW-HB4	



Description	C Station	
	Code	Price
Set ass'y	J.DW-HC1	
Punch ass'y	J.DW-HC2	
Die	J.DW-HC3	
T-handle	J.DW-HB4	



Description	D Station	
	Code	Price
Set ass'y	J.DW-HD1	
Punch ass'y	J.DW-HD2	
Die	J.DW-HD3	
T-handle	J.DW-HB4	

BALL RIDING DIE

A Station	Code	Price
Ball riding die	J.GZ-HA1	
Die holder	J.GZ-HA2	
Ball ass'y	J.GZ-HA3	
Spring	P.YH-GZHA	
Spacer	J.GZ-HA4	
Retaining ring	P.DQ-GZHA	
	Code	Price
Ball riding die	J.GZ-HB1	
Die holder	J.GZ-HB2	
Ball ass'y	J.GZ-HB3	
Spring	P.YH-GZHB	
Spacer	J.GZ-HB4	
Retaining ring	P.DQ-GZHB	
C Station	Code	Price
Ball riding die	J.GZ-HC1	
Die holder	J.GZ-HC2	
Ball ass'y	J.GZ-HA3	
Spring	P.YH-GZHA	
Spacer	J.GZ-HA4	
Retaining ring	P.DQ-GZHA	
D Station	Code	Price
Ball riding die	J.GZ-HD1	
Die holder	J.GZ-HD2	
Ball ass'y	J.GZ-HA3	
Spring	P.YH-GZHA	
Spacer	J.GZ-HA4	
Retaining ring	P.DQ-GZHA	



Brush die

A Station	Code	Price
Brush die	J.MS-HA1	
Die holder	J.MS-HA2	
Brush	P.MS8	
B Station	Code	Price
Brush die	J.MS-HB1	
Die holder	J.MS-HB2	
Brush	P.MS13	
C Station	Code	Price
Brush die	J.MS-HC1	
Die holder	J.MS-HC2	
Brush	P.MS13	
D Station	Code	Price
Brush die	J.MS-HD1	
Die holder	J.MS-HD2	
Brush	P.MS13	

Description	φ 3mm		φ 6mm		φ 10mm	
	Code	Price	Code	Price	Code	Price
Ejector	P.JL03		P.JL06		P.JL10	
Package	P.JL0315		P.JL0610		P.JL1005	



DEMAGNITIZER



Technical data:

1. Rated voltage: 220V $\pm$ 10% 50HZ
2. Rated current: 3.3A single phase
3. Eclectrical energy: 1KW, weight 6.0KG
4. Size(mm): 300X158X230

Code	Price
J.DZ-1	

TOOL



Plier (inner)		Plier (outer)	
Code	Price	Code	Price
J.NKQ		J.WKQ	



Hex key wrench	
Code	Price
J.BS	

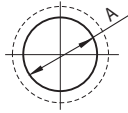
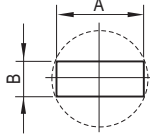
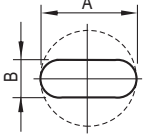
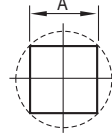
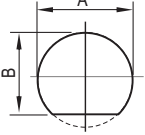
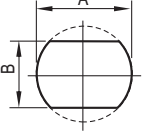
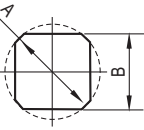
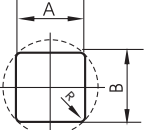
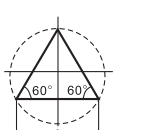
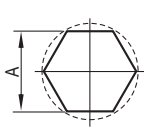
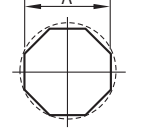
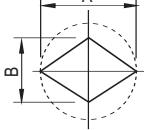
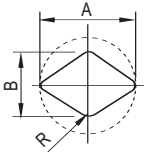
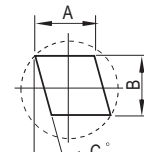
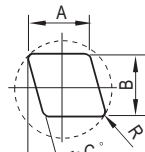
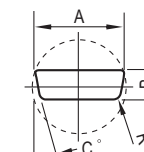
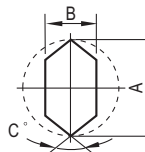
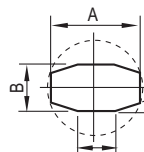
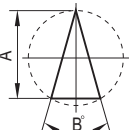
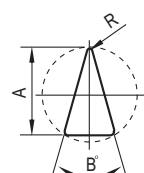
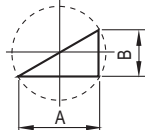
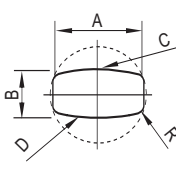
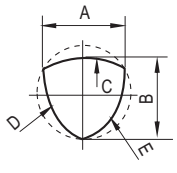
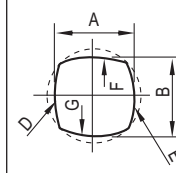
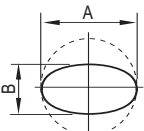
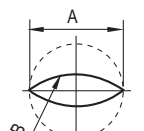
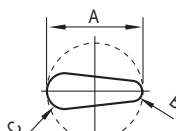
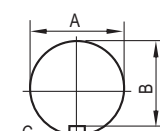
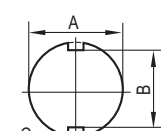
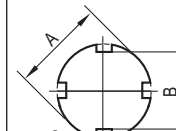
SHIMS



Description	A Station		B Station		C Station		D Station	
	Code	Price	Code	Price	Code	Price	Code	Price
Punch shim (0.4mm)					P.DP-HCP04		P.DP-HDP04	
Punch shim (0.8mm)					P.DP-HCP08		P.DP-HDP08	
Punch shim (1.2mm)					P.DP-HCP12		P.DP-HDP12	
Punch shim pack (9pcs)					P.DP-HCP		P.DP-HDP	
Die shim (0.4mm)	P.DP-HAD04		P.DP-HBD04		P.DP-HCD04		P.DP-HDD04	
Die shim (0.8mm)	P.DP-HAD08		P.DP-HBD08		P.DP-HCD08		P.DP-HDD08	
Die shim (1.2mm)	P.DP-HAD12		P.DP-HBD12		P.DP-HCD12		P.DP-HDD12	
Die shim pack (9pcs)	P.DP-HAD		P.DP-HBD		P.DP-HCD		P.DP-HDD	

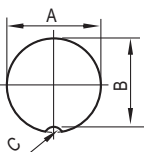
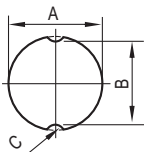
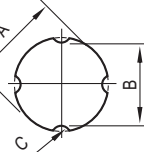
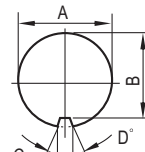
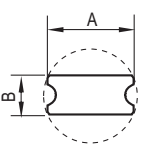
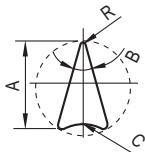
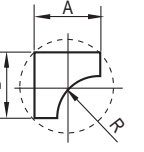
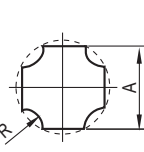
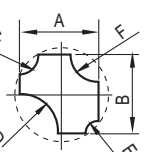
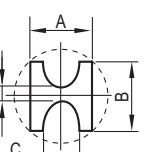
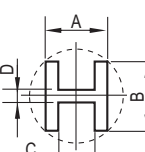
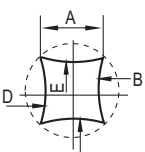
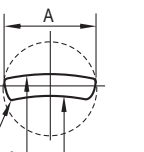
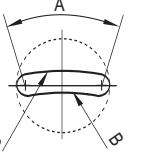
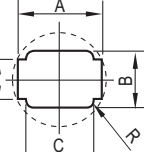
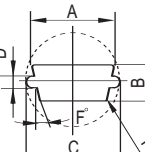
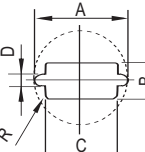
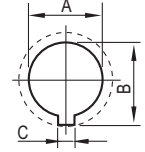
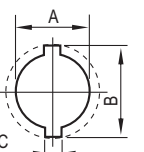
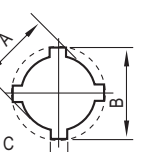
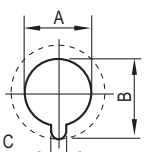
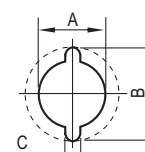
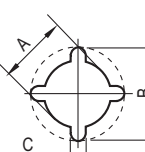
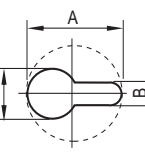
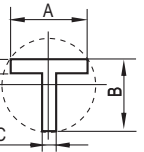
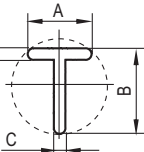
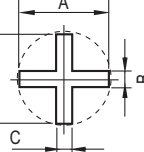
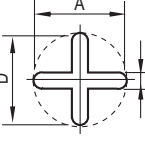
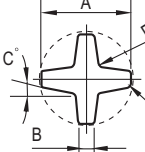
Remark: one pack include 3pcs for different thickness

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: QR	Code: ET	Code: HX	Code: OT	Code: A0
Name: Quad D	Name: Quad R	Name: Equi.triangle	Name: Hexagon	Name: Octagon	Name: Diamond
size: B/A	size: B/A/A	size: A	size: A	size: A	size: B/A
					
Code: A1	Code: A2	Code: A3	Code: A4	Code: A5	Code: A6
Name: Diamond	Name: Diamond	Name: Diamond	Name: Cable connector	Name: Eix edge	Name: Eight edge
size: B/A/R	size: B/A/C	size: B/A/C/R	size: B/A/C/R	size: B/A/C	size: C/B/A/D
					
Code: A7	Code: A8	Code: A9	Code: B0	Code: B1	Code: B2
Name: Triangle	Name: Tri.with R	Name: Right Tri.	Name: Double R	Name: Tri-R	Name: Quad-R
size: B/A	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
					
Code: B3	Code: B4	Code: B5	Code: C0	Code: C1	Code: C2
Name: Ellipse	Name: Football	Name: Keyhole	Name: Keyway	Name: Double keyway	Name: Quad keyway
size: B/A/C/R	size: A/B	size: A/B/C	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: C3	Code: C4	Code: C5	Code: C6	Code: C7	Code: D0
Name: keyway	Name: Double-keyway	Name: Quad-keyway	Name: Keyway	Name: Micro-joint	Name: Triangle with R
size: C/B/A	size: C/B/A	size: C/B/A	size: C/B/A/D	Size: B/A	size: A/B/C/R
					
Code: D1	Code: D2	Code: D3	Code: D4	Code: D5	Code: E0
Name: One way radius	Name: Four way radius	Name: Four way	Name: H with radius	Name: H shape	Name: Four Radius
size: B/A/R	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
					
Code: E1	Code: E2	Code: E3	Code: E4	Code: E5	Code: E6
Name: Banana	Name: Banana	Name: Connector	Name: Connector	Name: Connector	Name: Keyhole
size: A/C/D/R	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
					
Code: E7	Code: E8	Code: F0	Code: F1	Code: F2	Code: F3
Name: Keyhole	Name: Keyhole	Name: Keyhole	Name: Keyhole	Name: Keyhole	Name: Keyhole
size: C/A/B	size: C/A/B	size: C/A/B	size: C/A/B	size: C/A/B	size: B/C/A
					
Code: F4	Code: F5	Code: F6	Code: F7	Code: F8	
Name: T shape	Name: T shape	Name: Cross	Name: Cross	Name: Cross	
size: D/C/B/A	size: D/C/A/B	size: C/B/D/A	size: B/A/D	size: B/A/C/D/R	



PDS

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