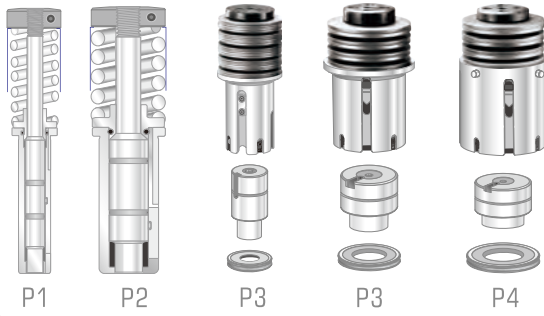




THICK TURRET TOOLING

BASIC TYPE TOOLING



FAB TYPE TOOLING-QUICK ADJUST



FAB 2 TYPE TOOLING-QUICK ADJUST



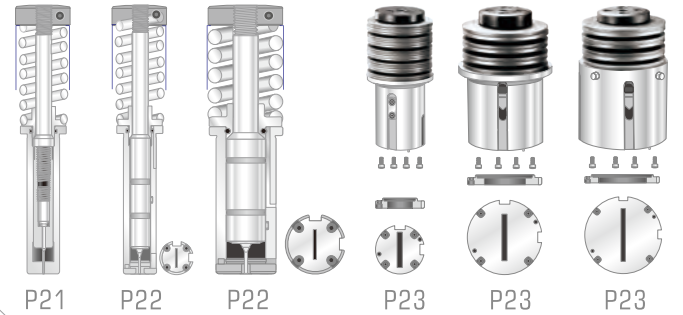
FAB 90 TYPE TOOLING-QUICK ADJUST



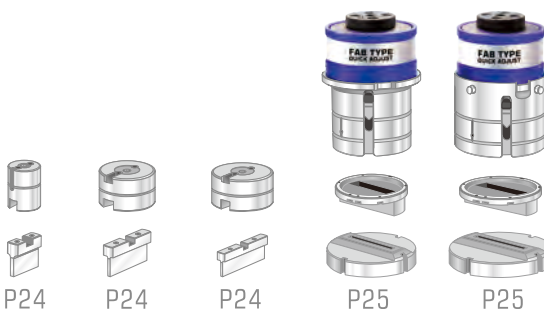
FAB ULTRA TYPE TOOLING



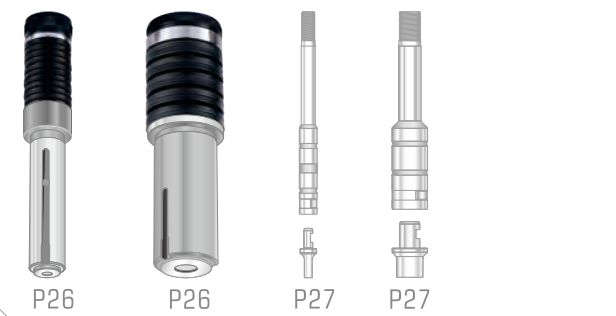
FULLY GUIDED TYPE TOOLING

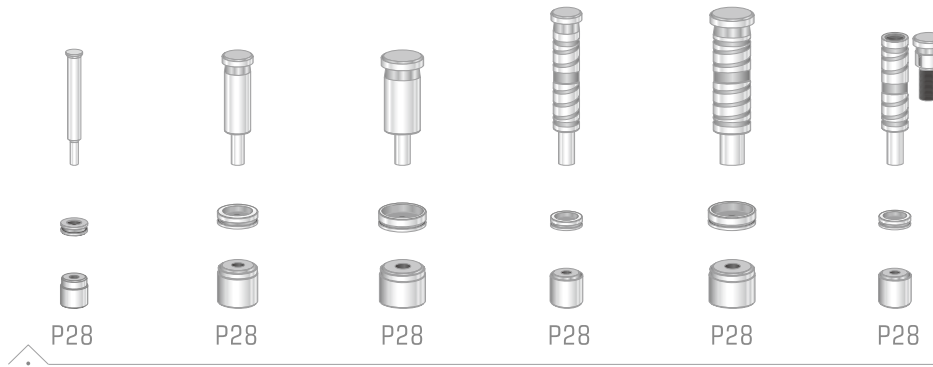
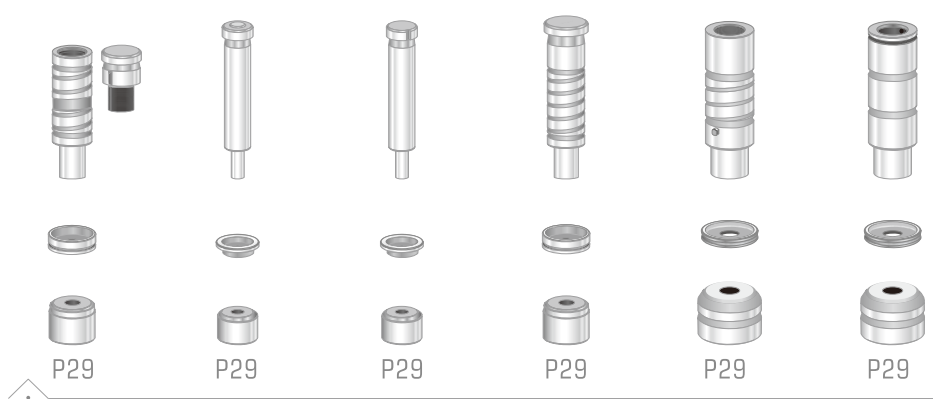


SLITTING AND CLOSE TO CLAMP



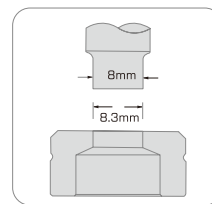
HEAVY DUTY TOOLING



MT TOOLING-MULTI TOOL

MT TOOLING-MULTI TOOL

CLUSTER TOOL

P30
AUTO GRINDER

P31
ACCESSORIES

P32-36
TECHNICAL INFO

P37-38

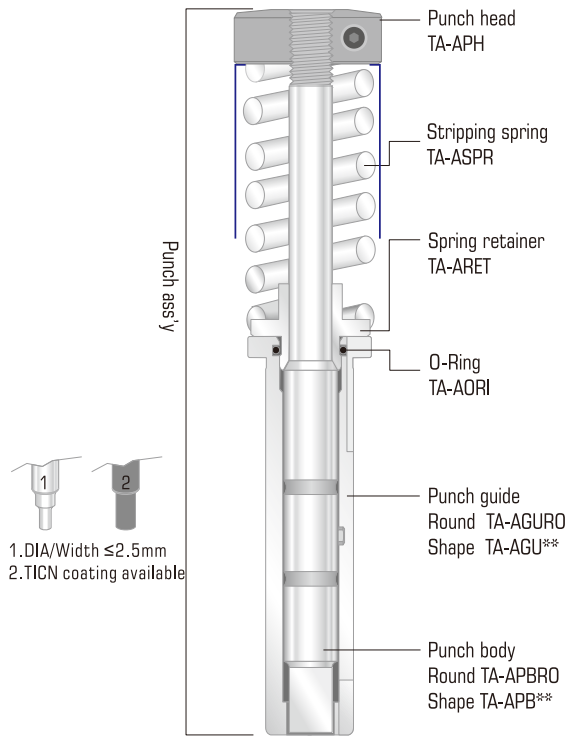
	A/B STATION				C/D/E STATION		
	BASIC	FAB/FAB 2	FAB 90	FAB ULTRA	BASIC	FAB/FAB 2	FAB 90
Punch grind life	2.0mm	5.0mm	6.3mm	6.0mm	2.0mm	6.0mm	8.0mm
Adjust	need tools	no tools	no tools	no tools	need shims	no shims	no shims
Compatible	Amada original	Amada NEX	Wilson S90	Mate Ultra	Amada original	Amada alpha	Wilson S90

BASIC TYPE-THICK TURRET TOOLING



Basic style thick turret tooling from AFAB is OEM compatible,
with several design feature, including:

- * Economic tooling, Big saving for investing tools
- * Premium precision long punches.
- * Round punch heads with two thread holes for rotating in 1/2" A and 1-1/4" B stations
- * Lock punch by bolt beside
- * Hardened guides for reduced friction and longer service life.
- * Punch regrinding life only 2.0mm

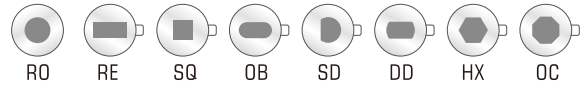


*Max.Allowable Tonnage:6 Tonne
 *Max.Thickness≤4.0mm MS, ≤3.0mm SS
 *Min. Dia/Width: AL 0.75xT, MS 1.0xT, SS 2.0xT
 *Ejector for size >6mm

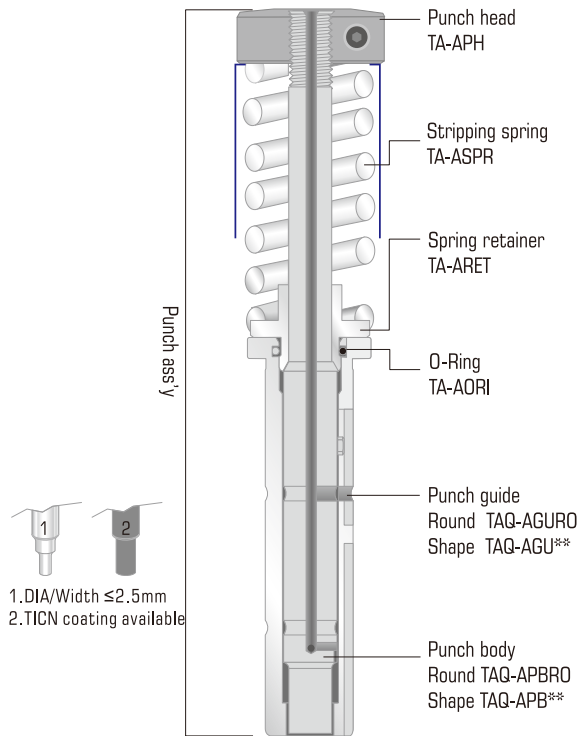


BASIC TYPE-STD.		
	ROUND	SHAPE
PUNCH ASS'Y	1 TA-APARO	2 TA-APA**
PUNCH BODY	3 TA-APBRO	4 TA-APB**
GUIDE	5 TA-AGURO	6 TA-AGU**
DIE	7 TA-ADIRO	8 TA-ADI**

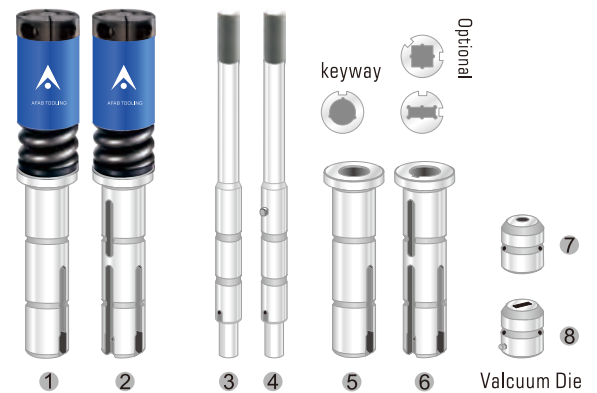
Die pin location and shape code



AIR BLOW SYSTEM

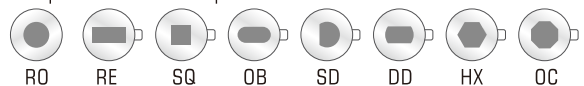


*Max.Allowable Tonnage:4.5 Tonne
 *Max.Thickness≤4.0mm MS, ≤3.0mm SS
 *Min. Dia/Width: AL 0.75xT, MS 1.0xT, SS 2.0xT
 *Ejector for size >6mm

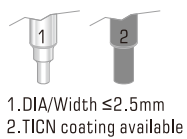
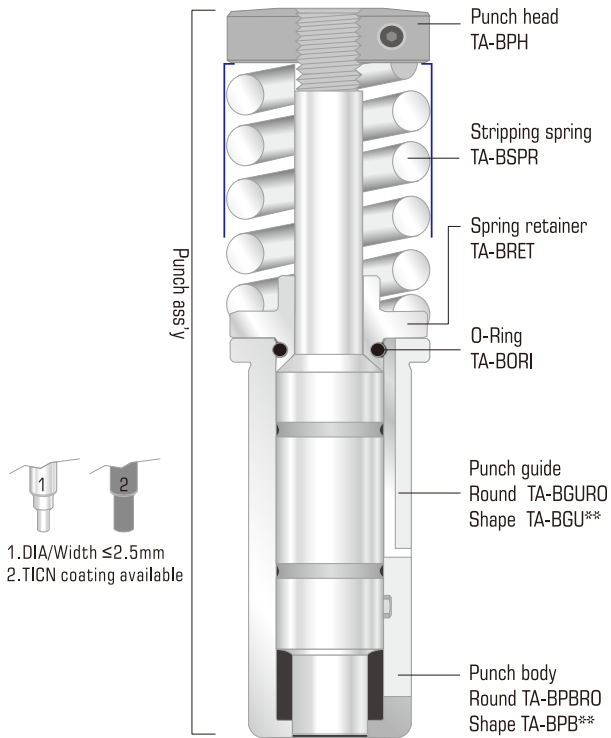


BASIC TYPE-AIR BLOW SYSTEM		
	ROUND	SHAPE
PUNCH ASS'Y	1 TAQ-APARO	2 TAQ-APA**
PUNCH BODY	3 TAQ-APBRO	4 TAQ-APB**
GUIDE	5 TAQ-AGURO	6 TAQ-AGU**
DIE	7 TAQ-ADIRO	8 TAQ-ADI**

Die pin location and shape code



BASIC STD. TYPE

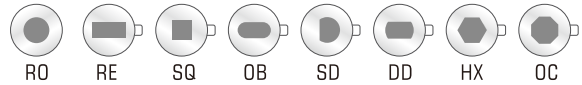


*Max.Allowable Tonnage: 17 Tonne
 *Max.Thickness≤6.35mm
 *Min. Dia/Width: AL 0.75xT, MS 1.0xT, SS 2.0xT
 *Ejector for size > 6mm



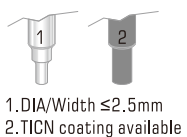
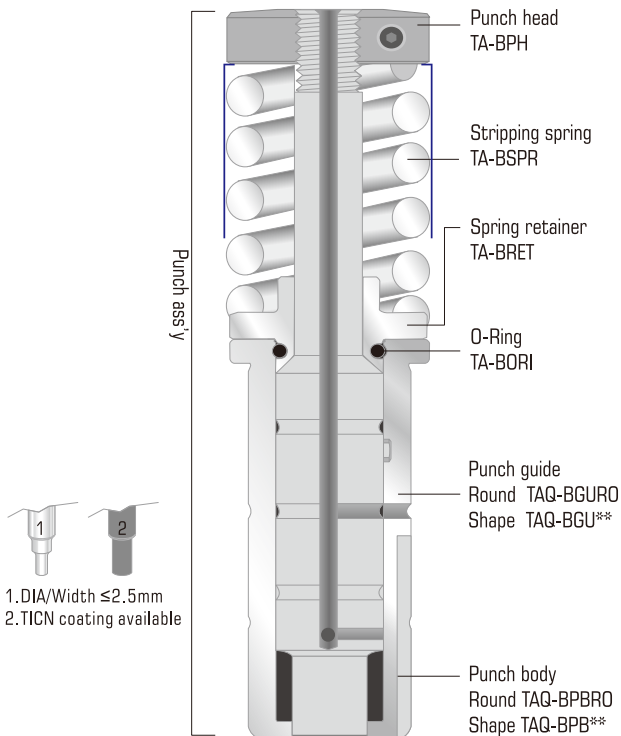
BASIC TYPE-STD.		
	ROUND	SHAPE
PUNCH ASS'Y	1 TA-BPARO	2 TA-BPA**
PUNCH BODY	3 TA-BPBRO	4 TA-BPB**
GUIDE	5 TA-BGURO	6 TA-BGU**
DIE	7 TA-BDIRO	8 TA-BDI**

Die pin location and shape code



AIR BLOW SYSTEM

BASIC ABS TYPE

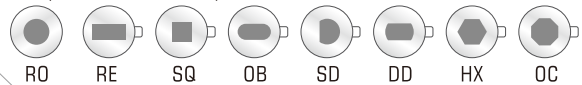


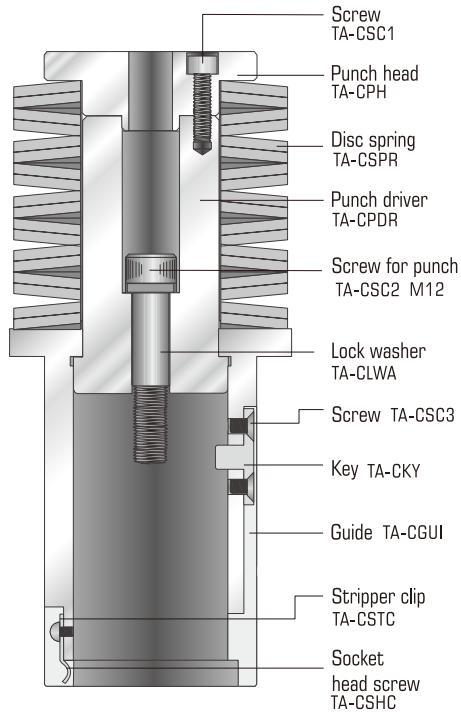
*Max.Allowable Tonnage: 16 Tonne
 *Max.Thickness≤6.35mm
 *Min. Dia/Width: AL 0.75xT, MS 1.0xT, SS 2.0xT
 *Ejector for size > 6mm



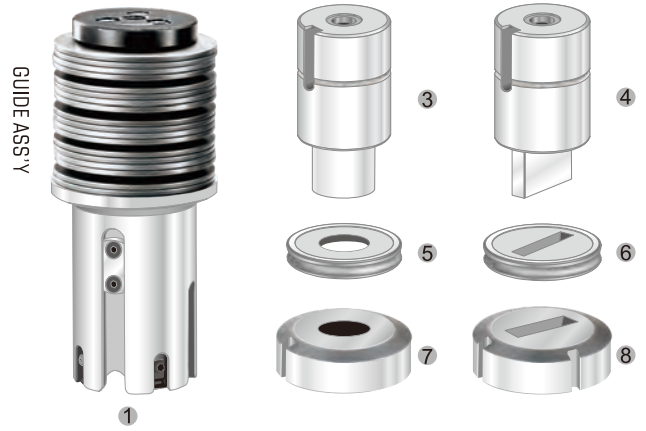
BASIC TYPE-AIR BLOW SYSTEM		
	ROUND	SHAPE
PUNCH ASS'Y	1 TAQ-APARO	2 TAQ-APA**
PUNCH BODY	3 TAQ-APBRO	4 TAQ-APB**
GUIDE	5 TAQ-AGURO	6 TAQ-AGU**
DIE	7 TAQ-ADIRO	8 TAQ-ADI**

Die pin location and shape code

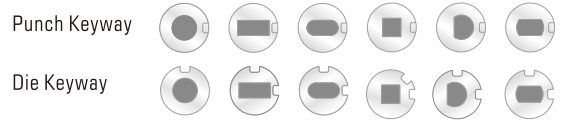




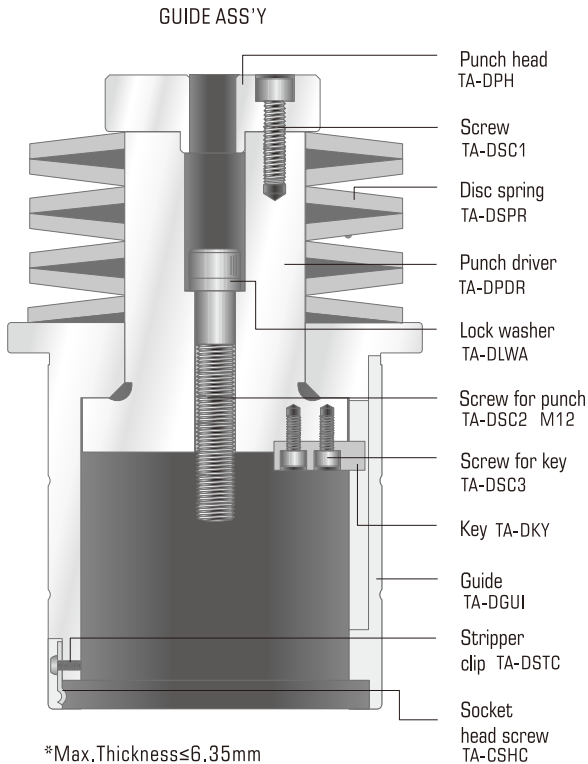
*Max.Thickness≤6.35mm
 *Min. Dia/Width: AL 0.75xT, MS 1.0xT, SS 2.0xT
 *Ejector for size > 6mm
 *TICN coating available
 *Optional:Rooftop punch



BASIC TYPE-STD.		
	ROUND	SHAPE
GUIDE ASS'Y	1 TA-CGA	1 TA-CGA
PUNCH BODY	3 TA-CPBRO	4 TA-CPB**
STRIPPER	5 TA-CSTRO	6 TA-CST**
DIE	7 TA-CDIRO	8 TA-CDI**



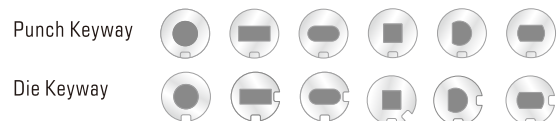
BASIC TYPE C STATION



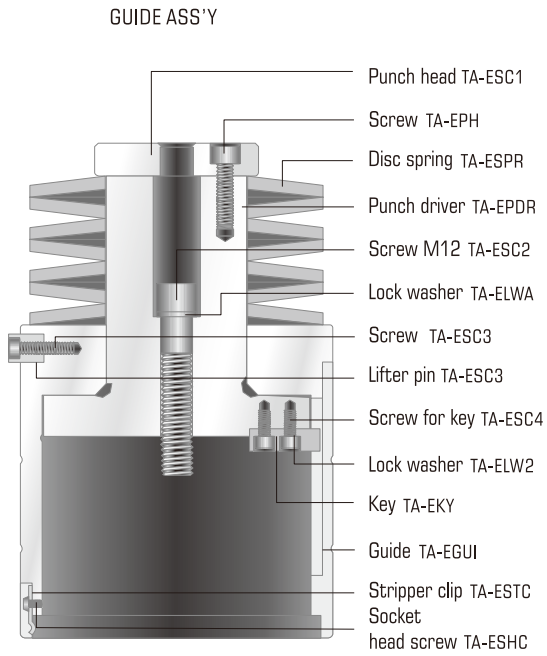
*Max.Thickness≤6.35mm
 *Min. Dia/Width: AL 0.75xT, MS 1.0xT, SS 2.0xT
 *Ejector for size > 6mm
 *TICN coating available
 *Optional:Rooftop punch



BASIC TYPE-STD.		
	ROUND	SHAPE
GUIDE ASS'Y	1 TA-DGA	1 TA-DGA
PUNCH BODY	3 TA-DPBRO	4 TA-DPB**
STRIPPER	5 TA-DSTRO	6 TA-DST**
DIE	7 TA-DDIRO	8 TA-DDI**



BASIC TYPE D STATION



BASIC TYPE-STD.		
	ROUND	SHAPE
GUIDE ASS'Y	① TA-EGA	① TA-EGA
PUNCH BODY	③ TA-EPBRO	④ TA-EPB**
STRIPPER	⑤ TA-ESTRO	⑥ TA-EST**
DIE	⑦ TA-EDIRO	⑧ TA-EDJ**

*Max.Thickness≤6.35mm
 *Min. Dia/Width: AL 0.75xT, MS 1.0xT, SS 2.0xT



2" C STATION



3 1/2" D STATION



4 1/2" E STATION

FAB TYPE-QUICK ADJUST TOOLING



FAB style thick turret tooling from AFAB is High performance and low cost solution, with several design feature, including:

- * Install pre-load spring pack.
- * Premium precision long amada punches.
- * Fast, easy punch length adjustment, reduces downtime and increases productivity.
- * Hardened guides for reduced friction and longer service life.
- * Extend regrind life up to 5.0mm

5mm grinding life

FAB STD. TYPE

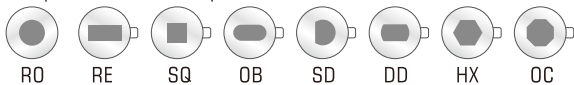
FAB ABS TYPE



3 SPRING PACK



Die pin location and shape code



FAB TYPE-STD.

	ROUND	SHAPE
PUNCH ASS'Y	1 TF-APARO	2 TF-APA**
SPRING PACK	3 TF-ASP	3 TF-ASP
PUNCH BODY	4 TA-APBRO	5 TA-APB**
GUIDE	6 TF-AGURO	7 TF-AGU**
STRIPPER	8 TF-ASTRO	9 TF-AST**
DIE	10 TA-ADIRO	11 TA-ADI**

*Max.Allowable Tonnage: 6 Tonne
 *Max.Thickness≤4.0mm MS, ≤3.0mm SS
 *Min. Dia/Width: AL 0.75xT, MS 1.0xT, SS 2.0xT
 *Ejector for size > 6mm



FAB TYPE-AIR BLOW SYSTEM

	ROUND	SHAPE
PUNCH ASS'Y	12 TFQ-APARO	13 TFQ-APA**
SPRING PACK	3 TF-ASP	3 TF-ASP
PUNCH BODY	14 TAQ-APBRO	15 TAQ-APB**
GUIDE	16 TFQ-AGURO	17 TFQ-AGU**
STRIPPER	18 TFQ-ASTRO	19 TFQ-AST**
DIE	20 TAQ-ADIRO	21 TAQ-ADI**

*Max.Allowable Tonnage: 4.5 Tonne
 *Max.Thickness≤4.0mm MS, ≤3.0mm SS
 *Min. Dia/Width: AL 0.75xT, MS 1.0xT, SS 2.0xT
 *Ejector for size > 6mm

5mm grinding life



3 SPRING PACK

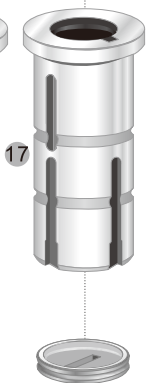
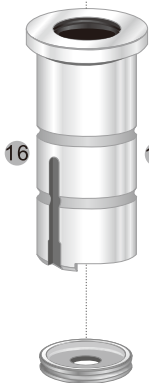
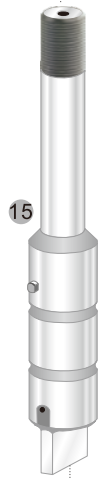
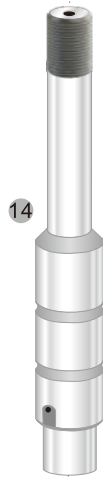
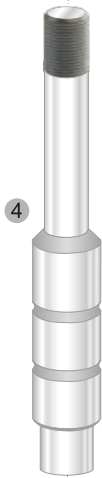
STANDARD AIR BLOW

ROUND

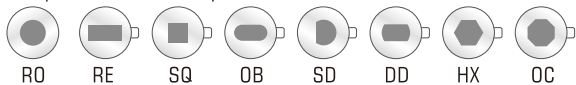
SHAPE

ROUND

SHAPE



Die pin location and shape code



RO

RE

SG

OB

SD

DD

HX

OC



1

2



10



11

FAB TYPE-STD.

	ROUND	SHAPE
PUNCH ASS'Y	1 TF-BPARO	2 TF-BPA**
SPRING PACK	3 TF-BSP	3 TF-BSP
PUNCH BODY	4 TA-BPBRO	5 TA-BPB**
GUIDE	6 TF-BGURO	7 TF-BGU**
STRIPPER	8 TF-BSTRO	9 TF-BST**
DIE	10 TA-BDIRO	11 TA-BDI**

*Max.Allowable Tonnage:17 Tonne

*Max.Thickness≤6.35mm

*Min. Dia/Width: AL 0.75xT, MS 1.0xT, SS 2.0xT

*Ejector for size >6mm



12

13

Valcuum Die



20



21

FAB TYPE-AIR BLOW SYSTEM

	ROUND	SHAPE
PUNCH ASS'Y	12 TFQ-BPARO	13 TFQ-BPA**
SPRING PACK	3 TA-BSP	3 TA-BSP
PUNCH BODY	14 TAQ-BPBRO	15 TAQ-BPB**
GUIDE	16 TFQ-BGURO	17 TFQ-BGU**
STRIPPER	18 TFQ-BSTRO	19 TFQ-BST**
DIE	20 TAQ-BDIRO	21 TAQ-BDI**

*Max.Allowable Tonnage:16Tonne

*Max.Thickness≤6.35mm

*Min. Dia/Width: AL 0.75xT, MS 1.0xT, SS 2.0xT

*Ejector for size >6mm

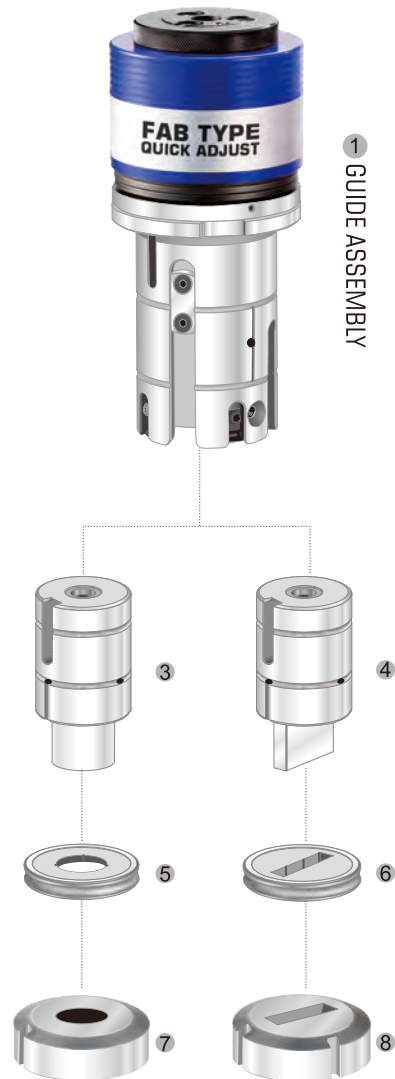
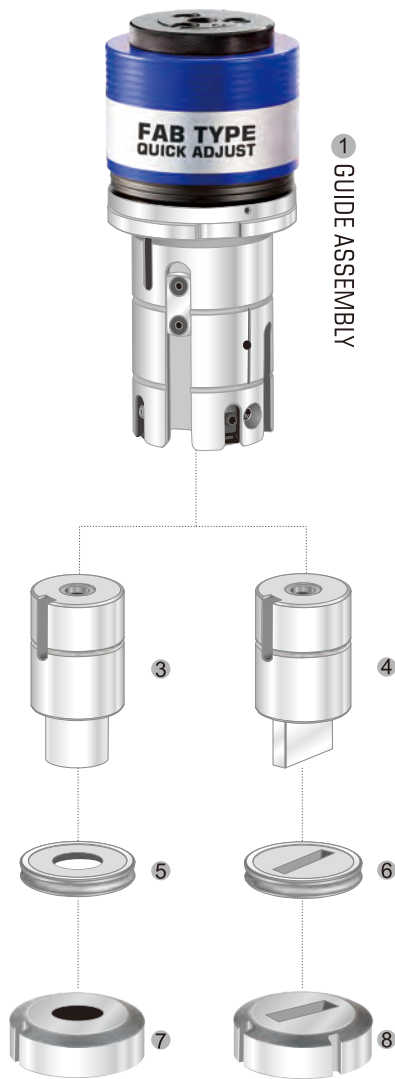
5mm grinding life

FAB STD. TYPE

FAB ABS TYPE

STANDARD

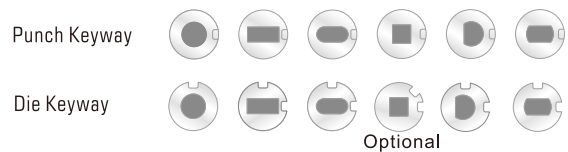
AIR BLOW SYSTEM



FAB TYPE-STD.		
	ROUND	SHAPE
GUIDE ASS'Y	① TF-CGA	① TF-CGA
PUNCH BODY	③ TA-CPBRO	④ TA-CPB**
STRIPPER	⑤ TA-CSTRO	⑥ TA-CST**
DIE	⑦ TA-CDIRO	⑧ TA-CDI**

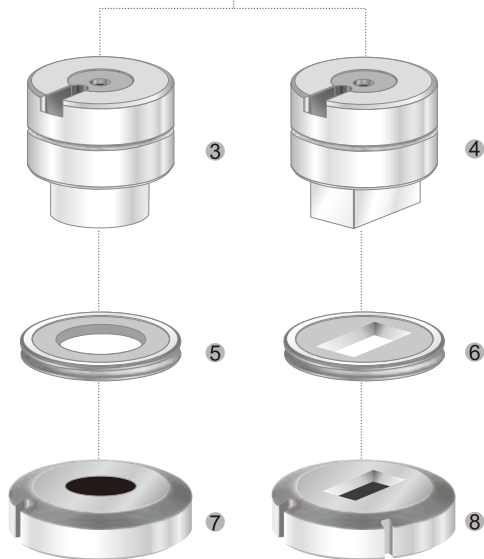
FAB TYPE-AIR BLOW SYSTEM		
	ROUND	SHAPE
GUIDE ASS'Y	① TFQ-CGA	① TFQ-CGA
PUNCH BODY	③ TAQ-CPBRO	④ TAQ-CPB**
STRIPPER	⑤ TAQ-CSTRO	⑥ TAQ-CST**
DIE	⑦ TA-CDIRO	⑧ TA-CDI**

*Max.Thickness≤6.35mm
 *Min. Dia/Width: AL 0.75xT, MS 1.0xT, SS 2.0xT
 *Ejector for size >6mm
 *TICN coating available
 *Optional: Rooftop punch

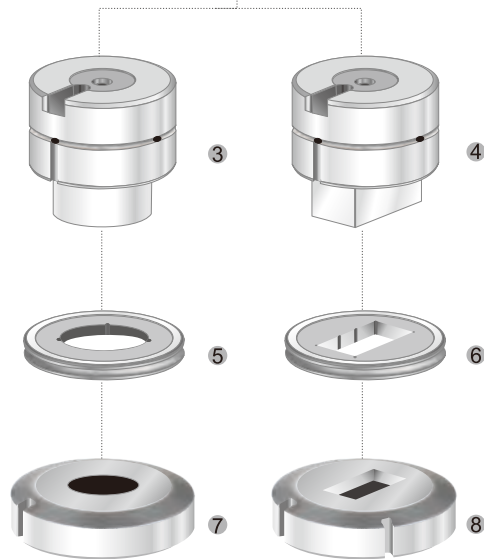


5mm grinding life

STANDARD



AIR BLOW SYSTEM



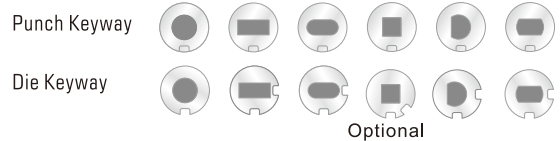
FAB TYPE-STD.

	ROUND	SHAPE
GUIDE ASS'Y	1 TF-DGA	1 TF-DGA
PUNCH BODY	3 TA-DPBRO	4 TA-DPB**
STRIPPER	5 TA-DSTRO	6 TA-DST**
DIE	7 TA-DDIRO	8 TA-DDI**

FAB TYPE-AIR BLOW SYSTEM

	ROUND	SHAPE
GUIDE ASS'Y	1 TFQ-DGA	1 TFQ-DGA
PUNCH BODY	3 TAQ-DPBRO	4 TAQ-DPB**
STRIPPER	5 TAQ-DSTRO	6 TAQ-DST**
DIE	7 TA-CDIRO	8 TA-CDI**

*Max.Thickness≤6.35mm
 *Min. Dia/Width: AL 0.75xT, MS 1.0xT, SS 2.0xT
 *Ejector for size >6mm
 *TiCN coating available
 *Optional: Rooftop punch



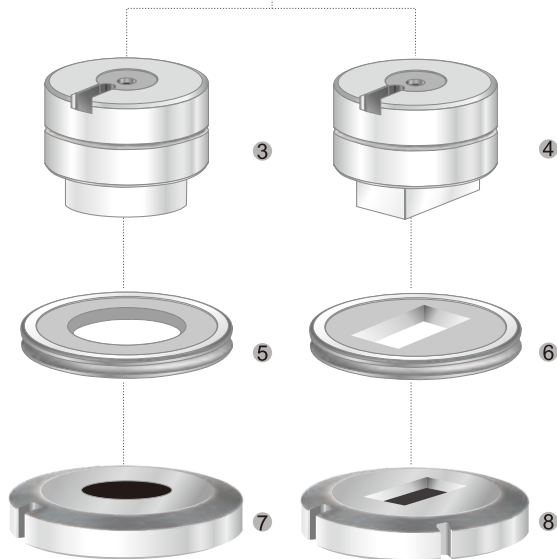
5mm grinding life

FAB STD. TYPE

STANDARD



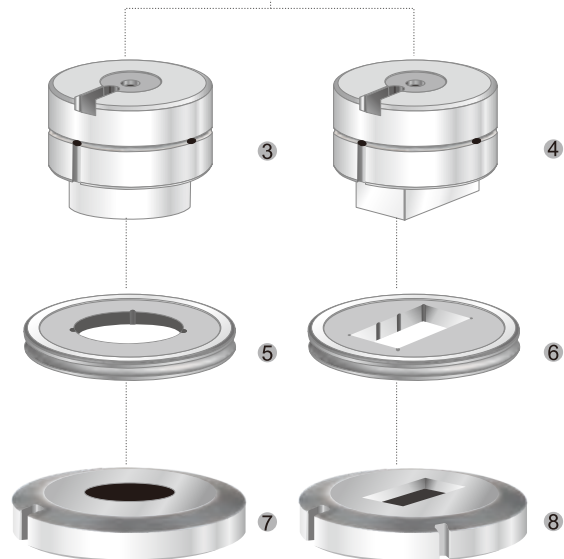
① GUIDE ASSEMBLY



AIR BLOW SYSTEM



① GUIDE ASSEMBLY

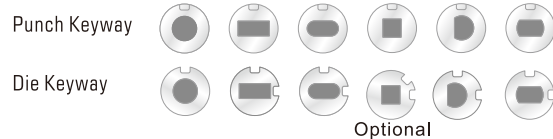


FAB ABS TYPE

FAB TYPE-STD.		
	ROUND	SHAPE
GUIDE ASS'Y	① TF-EGA	① TF-EGA
PUNCH BODY	③ TA-EPBRO	④ TA-EPB**
STRIPPER	⑤ TA-ESTRO	⑥ TA-EST**
DIE	⑦ TA-EDIRO	⑧ TA-EDI**

FAB TYPE-AIR BLOW SYSTEM		
	ROUND	SHAPE
GUIDE ASS'Y	① TFQ-EGA	① TFQ-EGA
PUNCH BODY	③ TAQ-EPBRO	④ TAQ-EPB**
STRIPPER	⑤ TAQ-ESTRO	⑥ TAQ-EST**
DIE	⑦ TA-EDIRO	⑧ TA-EDI**

*Max.Thickness≤6.35mm
 *Min. Dia/Width: AL 0.75xT, MS 1.0xT, SS 2.0xT
 *Ejector for size >6mm
 *TICN coating available
 *Optional: Rooftop punch



FAB 2 TYPE-QUICK ADJUST TOOLING



FAB 2 style thick turret tooling from AFAB is High performance tooling, develop on FAB type, with several design feature, including:

- * Install pre-load spring pack, with self lock button
- * Premium precision long amada punches with pin, round punch with anti-rotation pin.
- * Fast, easy punch length adjustment, reduces downtime and increases productivity.
- * Hardened guides for reduced friction and longer service life.
- * Extend regrind life up to 5.0mm
- * C.D.E station guide assembly similar with AMADA Alpha

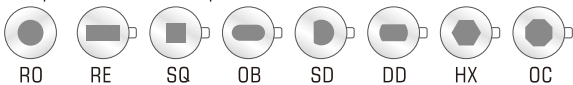
5mm grinding life

FAB 2 STD. TYPE

FAB 2 ABS TYPE



Die pin location and shape code



FAB 2 TYPE-STD.		
	ROUND	SHAPE
PUNCH ASS'Y	① TF2-APARO	② TF2-APA**
SPRING PACK	③ TF2-ASP	③ TF2-ASP
PUNCH BODY	④ TF2-APBRO	⑤ TA-APB**
GUIDE	⑥ TF2-AGURO	⑦ TF2-AGU**
STRIPPER	⑧ TU-ASTRO	⑨ TU-AST**
DIE	⑩ TA-ADIRO	⑪ TA-ADI**

*Max.Allowable Tonnage:6 Tonne
 *Max.Thickness≤4.0mm MS,≤3.0mm SS
 *Min. Dia/Width: AL 0.75xT, MS 1.0xT, SS 2.0xT
 *Ejector for size >6mm



FAB 2 TYPE-AIR BLOW SYSTEM		
	ROUND	SHAPE
PUNCH ASS'Y	⑫ TF2Q-APARO	⑬ TF2Q-APA**
SPRING PACK	③ TF2-ASP	③ TF2-ASP
PUNCH BODY	⑭ TF2Q-APBRO	⑮ TAQ-APB**
GUIDE	⑯ TF2Q-AGURO	⑰ TF2Q-AGU**
STRIPPER	⑱ TUQ-ASTRO	⑲ TUQ-AST**
DIE	⑳ TAQ-ADIRO	㉑ TAQ-ADI**

*Max.Allowable Tonnage:4.5 Tonne
 *Max.Thickness≤4.0mm MS,≤3.0mm SS
 *Min. Dia/Width: AL 0.75xT, MS 1.0xT, SS 2.0xT
 *Ejector for size >6mm

5mm grinding life



3 SPRING PACK

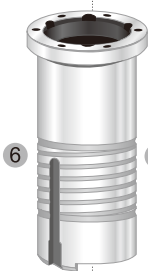
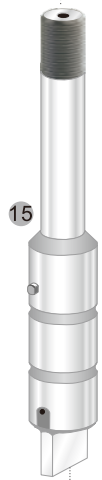
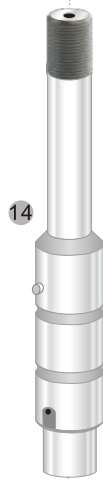
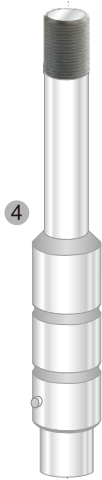
STANDARD AIR BLOW

ROUND

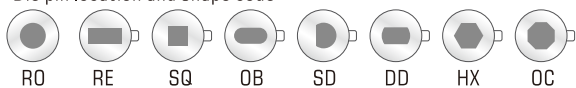
SHAPE

ROUND

SHAPE



Die pin location and shape code



FAB 2 TYPE-STD.		
	ROUND	SHAPE
PUNCH ASS'Y	1 TF-BPARO	2 TF-BPA**
SPRING PACK	3 TF-BSP	3 TF-BSP
PUNCH BODY	4 TA-BPBRO	5 TA-BPB**
GUIDE	6 TF-BGURO	7 TF-BGU**
STRIPPER	8 TF-BSTRO	9 TF-BST**
DIE	10 TA-BDIRO	11 TA-BDI**

*Max.Allowable Tonnage:17 Tonne
 *Max.Thickness≤6.35mm
 *Min. Dia/Width: AL 0.75xT, MS 1.0xT, SS 2.0xT
 *Ejector for size >6mm

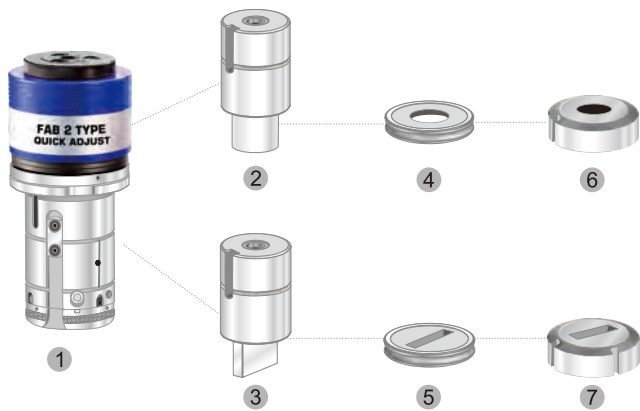


FAB 2 TYPE-AIR BLOW SYSTEM		
	ROUND	SHAPE
PUNCH ASS'Y	12 TFQ-BPARO	13 TFQ-BPA**
SPRING PACK	3 TA-BSP	3 TA-BSP
PUNCH BODY	14 TAQ-BPBRO	15 TAQ-BPB**
GUIDE	16 TFQ-BGURO	17 TFQ-BGU**
STRIPPER	18 TFQ-BSTRO	19 TFQ-BST**
DIE	20 TAQ-BDIRO	21 TAQ-BDI**

*Max.Allowable Tonnage:16Tonne
 *Max.Thickness≤6.35mm
 *Min. Dia/Width: AL 0.75xT, MS 1.0xT, SS 2.0xT
 *Ejector for size >6mm

ALPHA GUIDE ASSEMBLY

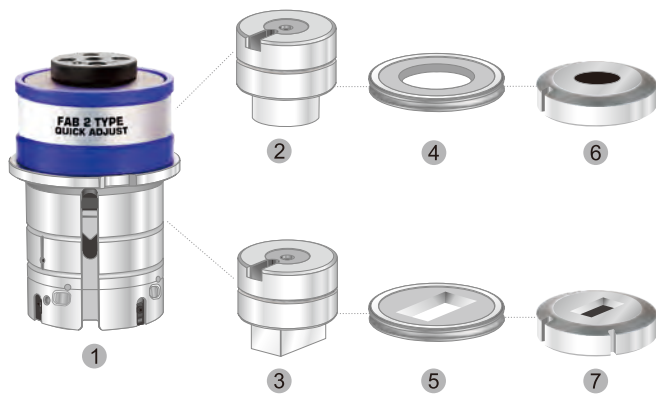
FAB 2 STD. TYPE



2" C STATION (max.Diameter/diagonal 50.8mm)

FAB 2 TYPE-C STATION		
	ROUND	SHAPE
GUIDE ASS'Y	① TF2-CGA	① TF2-CGA
PUNCH BODY	② TA-CPBRO	③ TA-CPB**
STRIPPER	④ TA-CDIRO	⑤ TA-CST**
DIE	⑥ TA-CDIRO	⑦ TA-CDI**

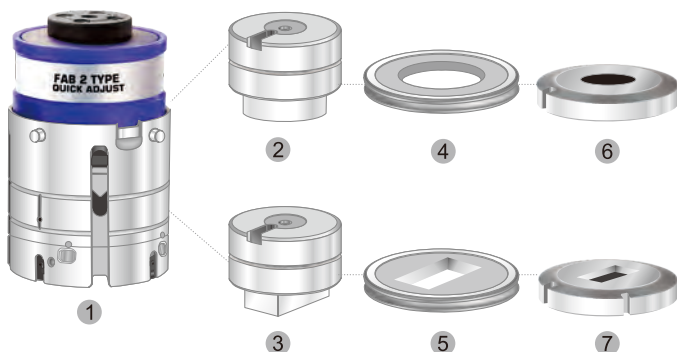
*Use Basic punch body,stripper
 *Max.Allowable Tonnage:17 Tonne
 *Max.Thickness ≤ 6.35mm
 *Min. Dia/Width: AL 0.75xT, MS 1.0xT, SS 2.0xT
 *Ejector for size > 6mm



3 1/2" D STATION (max.Diameter/diagonal 88.9mm)

FAB 2 TYPE-D STATION		
	ROUND	SHAPE
GUIDE ASS'Y	① TF2-DGA	① TF2-DGA
PUNCH BODY	② TA-DPBRO	③ TA-DPB**
STRIPPER	④ TA-DSTRO	⑤ TA-DST**
DIE	⑥ TA-DDIRO	⑦ TA-DDI**

*Use Basic punch body,stripper
 *Max.Allowable Tonnage:17 Tonne
 *Max.Thickness ≤ 6.35mm
 *Min. Dia/Width: AL 0.75xT, MS 1.0xT, SS 2.0xT
 *Ejector for size > 6mm



4 1/2" E STATION (max.Diameter/diagonal 114.3mm)

FAB 2 TYPE-E STATION		
	ROUND	SHAPE
GUIDE ASS'Y	① TF2-EGA	① TF2-EGA
PUNCH BODY	② TA-EPBRO	③ TA-EPB**
STRIPPER	④ TA-ESTRO	⑤ TA-EST**
DIE	⑥ TA-EDIRO	⑦ TA-EDI**

*Use Basic punch body,stripper
 *Max.Allowable Tonnage:17 Tonne
 *Max.Thickness ≤ 6.35mm
 *Min. Dia/Width: AL 0.75xT, MS 1.0xT, SS 2.0xT
 *Ejector for size > 6mm

FAB 90 TYPE-QUICK ADJUST,HIGH PERFORMANCE TOOLING



FAB 90 style thick turret tooling from AFAB is compatible with wilson 90/HP type tooling with several design feature, including:

- * Premium precision S90 punches.
- * Fast easy punch length adjusting,Exchange punch stripper quickly
- * Hardened guides for reduced friction and longer service life.
- * Re grind life 6.3mm.

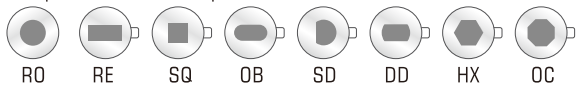
6mm grinding life

FAB90 STD. TYPE

FAB90 ABS TYPE



Die pin location and shape code



FAB 90 TYPE-STD.		
	ROUND	SHAPE
PUNCH ASS'Y	① T9-APARO	② T9-APA**
SPRING PACK	③ T9-ASP	③ T9-ASP
PUNCH BODY	④ T9-APBRO	⑤ T9-APB**
GUIDE	⑥ T9-AGURO	⑦ T9-AGU**
STRIPPER	⑧ T9-ASTRO	⑨ T9-AST**
DIE	⑩ TA-ADIRO	⑪ TA-ADI**

*Max.Allowable Tonnage:6 Tonne
 *Max.Thickness≤4.0mm MS,≤3.0mm SS
 *Min. Dia/Width: AL 0.75xT, MS 1.0xT, SS 2.0xT
 *Ejector for size >6mm



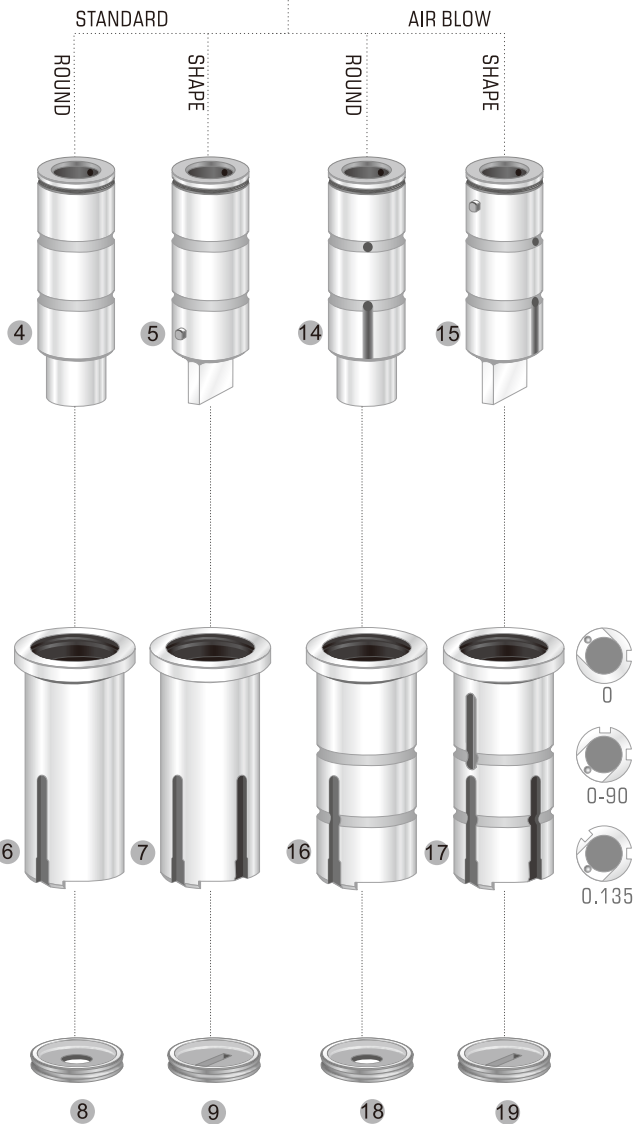
FAB 90 TYPE-AIR BLOW SYSTEM		
	ROUND	SHAPE
PUNCH ASS'Y	⑫ T9Q-APARO	⑬ T9Q-APA**
SPRING PACK	③ T9-ASP	③ T9-ASP
PUNCH BODY	⑭ T9Q-APBRO	⑮ T9Q-APB**
GUIDE	⑯ T9Q-AGURO	⑰ T9Q-AGU**
STRIPPER	⑱ T9Q-ASTRO	⑲ T9Q-AST**
DIE	⑳ TAQ-ADIRO	㉑ TAQ-ADI**

*Max.Allowable Tonnage:4.5 Tonne
 *Max.Thickness≤4.0mm MS,≤3.0mm SS
 *Min. Dia/Width: AL 0.75xT, MS 1.0xT, SS 2.0xT
 *Ejector for size >6mm

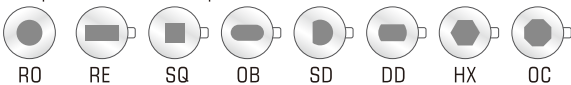
5mm grinding life



3 SPRING PACK



Die pin location and shape code



FAB 90 TYPE-STD.		
	ROUND	SHAPE
PUNCH ASS'Y	1 T9-BPARO	2 T9-BPA**
SPRING PACK	3 T9-BSP	3 T9-BSP
PUNCH BODY	4 T9-BPBRO	5 T9-BPB**
GUIDE	6 T9-BGURO	7 T9-BGU**
STRIPPER	8 T9-BSTRO	9 T9-BST**
DIE	10 TA-BDIRO	11 TA-BDI**

*Max.Allowable Tonnage: 17 Tonne
 *Max.Thickness≤6.35mm
 *Min. Dia/Width: AL 0.75xT, MS 1.0xT, SS 2.0xT
 *Ejector for size > 6mm



FAB 90 TYPE-AIR BLOW SYSTEM		
	ROUND	SHAPE
PUNCH ASS'Y	12 T9Q-APARO	13 T9Q-APA**
SPRING PACK	3 T9-BSP	3 T9-BSP
PUNCH BODY	14 T9Q-BPBRO	15 T9Q-BPB**
GUIDE	16 T9Q-BGURO	17 T9Q-BGU**
STRIPPER	18 T9Q-BSTRO	19 T9Q-BST**
DIE	20 TAQ-BDIRO	21 TAQ-BDI**

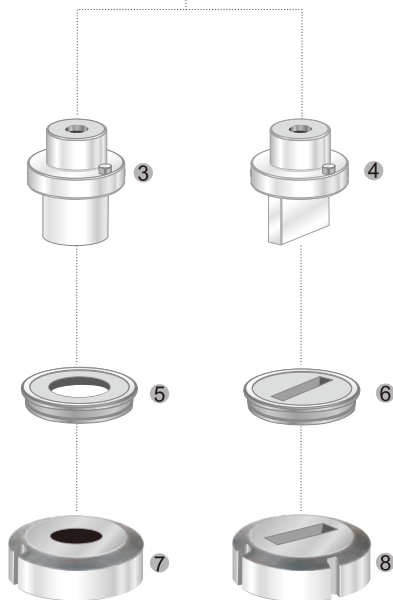
*Max.Allowable Tonnage: 16 Tonne
 *Max.Thickness≤6.35mm
 *Min. Dia/Width: AL 0.75xT, MS 1.0xT, SS 2.0xT
 *Ejector for size > 6mm

8mm grinding life

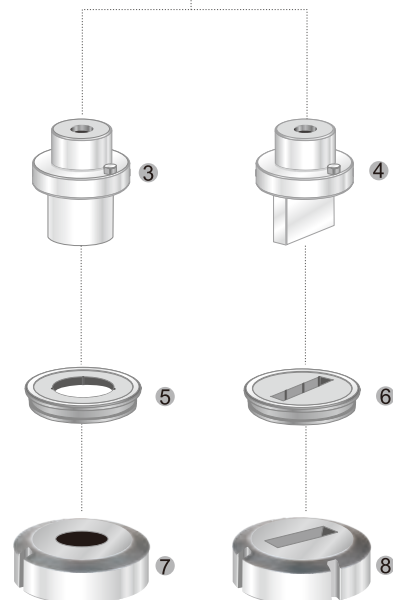
FAB90 STD. TYPE

FAB90 ABS TYPE

STANDARD



AIR BLOW SYSTEM



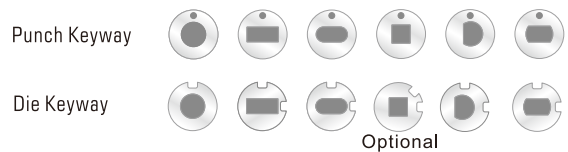
FAB 90 TYPE-STD.

	ROUND	SHAPE
GUIDE ASS'Y	1 T9-CGA	1 T9-CGA
PUNCH BODY	3 T9-CPBRO	4 T9-CPB**
STRIPPER	5 T9-CSTRO	6 T9-CST**
DIE	7 TA-CDIRO	8 TA-CDI**

FAB 90 TYPE-AIR BLOW SYSTEM

	ROUND	SHAPE
GUIDE ASS'Y	1 T9Q-CGA	1 T9Q-CGA
PUNCH BODY	3 T9-CPBRO	4 T9-CPB**
STRIPPER	5 T9Q-CSTRO	6 T9Q-CST**
DIE	7 TA-CDIRO	8 TA-CDI**

*Max.Thickness≤6.35mm
 *Min. Dia/Width: AL 0.75xT, MS 1.0xT, SS 2.0xT
 *Ejector for size > 6mm
 *TiCN coating available
 *Optional: Rooftop punch

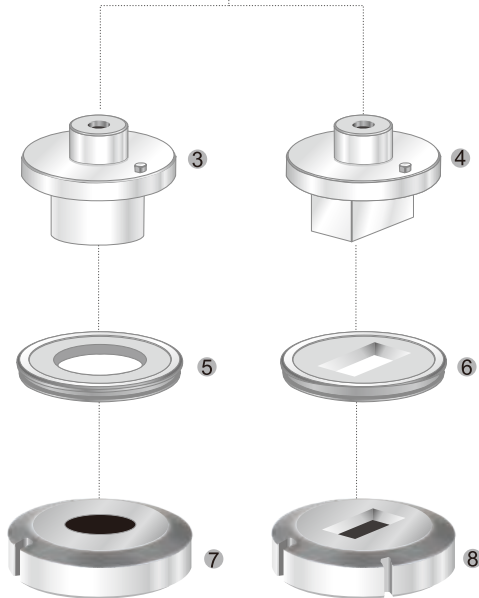


8mm grinding life

STANDARD



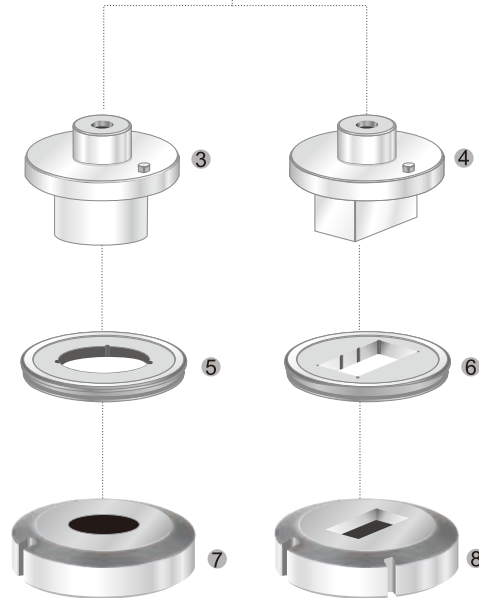
1 GUIDE ASSEMBLY



AIR BLOW SYSTEM



1 GUIDE ASSEMBLY



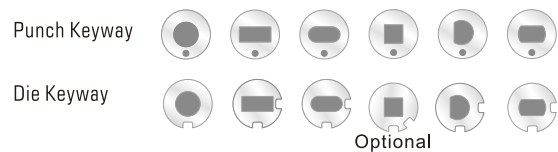
FAB90 STD. TYPE

FAB90 ABS TYPE

FAB 90 TYPE-STD.		
	ROUND	SHAPE
GUIDE ASS'Y	1 T9-DGA	1 T9-DGA
PUNCH BODY	3 T9-DPBRO	4 T9-DPB**
STRIPPER	5 T9-DSTRO	6 T9-DST**
DIE	7 TA-DDIRO	8 TA-DDI**

FAB 90 TYPE-AIR BLOW SYSTEM		
	ROUND	SHAPE
GUIDE ASS'Y	1 T9Q-DGA	1 T9Q-DGA
PUNCH BODY	3 T9-DPBRO	4 T9-DPB**
STRIPPER	5 T9Q-DSTRO	6 T9Q-DST**
DIE	7 TA-DDIRO	8 TA-DDI**

*Max.Thickness≤6.35mm
 *Min. Dia/Width: AL 0.75xT, MS 1.0xT, SS 2.0xT
 *Ejector for size > 6mm
 *TICN coating available
 *Optional:Rooftop punch



8mm grinding life

FAB90 STD. TYPE

FAB90 ABS TYPE

STANDARD

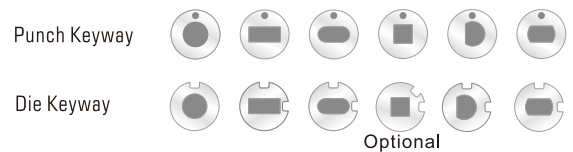
AIR BLOW SYSTEM



FAB 90 TYPE-STD.		
	ROUND	SHAPE
GUIDE ASS'Y	① T9-EGA	① T9-EGA
PUNCH BODY	③ T9-EPBRO	④ T9-EPB**
STRIPPER	⑤ T9-ESTRO	⑥ T9-EST**
DIE	⑦ TA-EDIRO	⑧ TA-EDI**

FAB 90 TYPE-AIR BLOW SYSTEM		
	ROUND	SHAPE
GUIDE ASS'Y	① T9Q-EGA	① T9Q-EGA
PUNCH BODY	③ T9-EPBRO	④ T9-EPB**
STRIPPER	⑤ T9Q-ESTRO	⑥ T9Q-EST**
DIE	⑦ TA-EDIRO	⑧ TA-EDI**

*Max.Thickness≤6.35mm
 *Min. Dia/Width: AL 0.75xT, MS 1.0xT, SS 2.0xT
 *Ejector for size > 6mm
 *TiCN coating available
 *Optional: Rooftop punch



FAB ULTRA TYPE-QUICK ADJUST, HIGH PERFORMANCE TOOLING

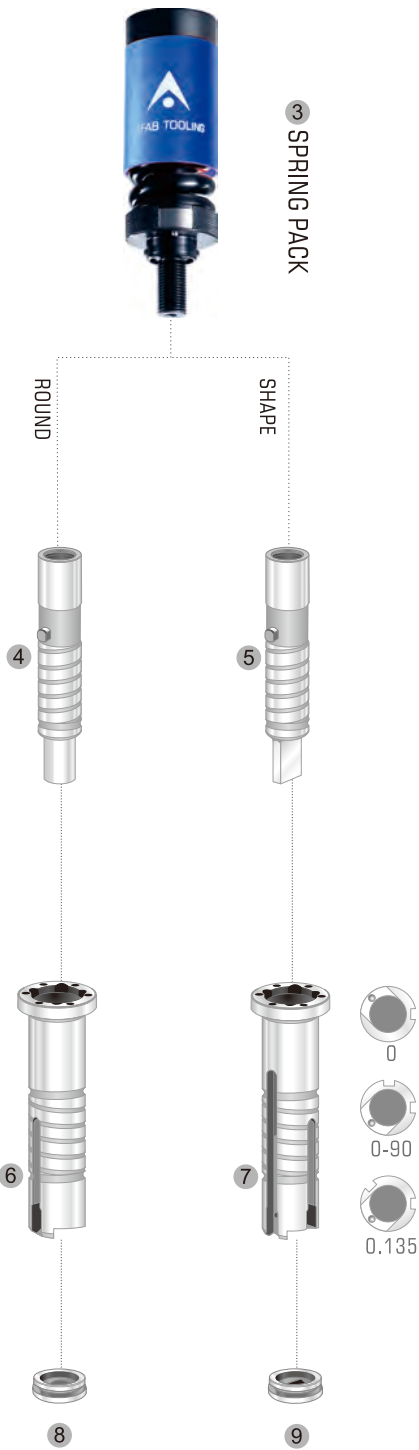


FAB ULTRA style thick turret tooling from AFAB is compatible with mate ultra type tooling with several design feature, including:

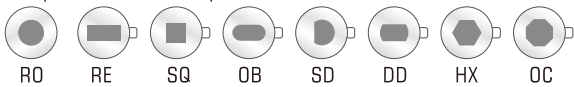
- * Premium precision ultra punches.
- * Fast easy punch length adjusting, Exchange punch stripper quickly.
- * Hardened guides for reduced friction and longer service life.
- * Re grind life 6.0mm.

6mm grinding life

FAB ULTRA TYPE



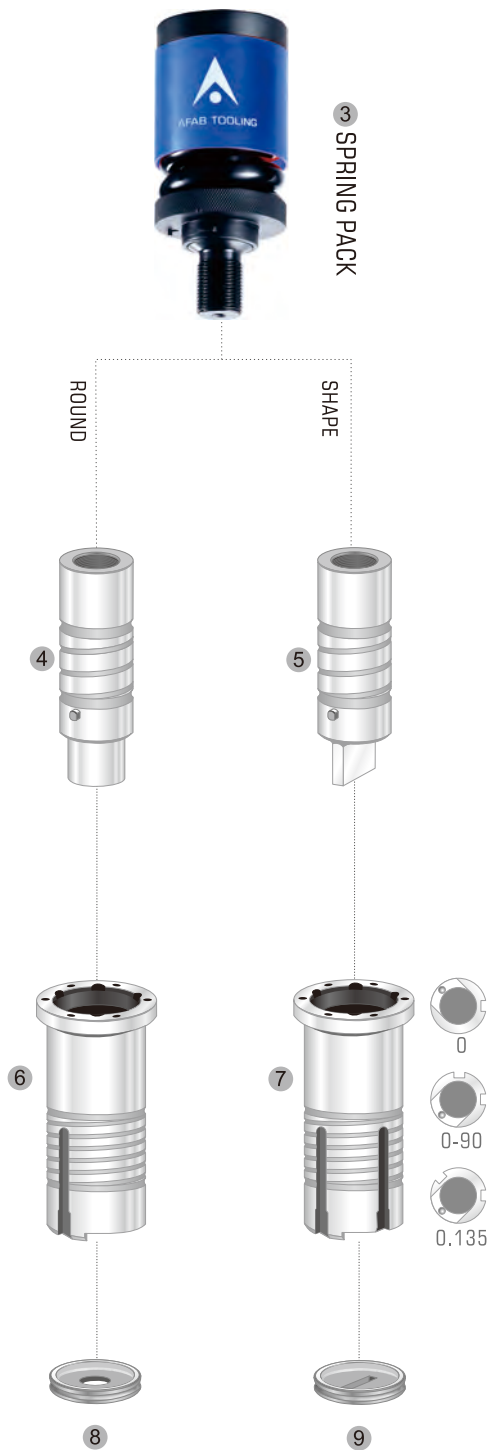
Die pin location and shape code



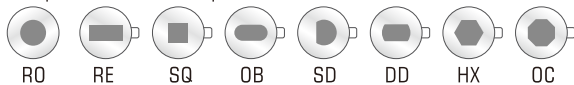
FAB ULTRA TOOLING SYSTEM		
	ROUND	SHAPE
PUNCH ASS'Y	1 TU-APARO	2 TU-APA**
SPRING PACK	3 TU-ASP	3 TU-ASP
PUNCH BODY	4 TU-APBRO	5 TU-APB**
GUIDE	6 TU-AGURO	7 TU-AGU**
STRIPPER	8 TU-ASTRO	9 TU-AST**
DIE	10 TA-ADIRO	11 TA-ADI**

*Max.Allowable Tonnage:6 Tonne
 *Max.Thickness≤4.0mm MS,≤3.0mm SS
 *Min. Dia/Width: AL 0.75xT, MS 1.0xT, SS 2.0xT
 *Ejector for size >6mm

6mm grinding life



Die pin location and shape code



FAB ULTRA TOOLING SYSTEM		
	ROUND	SHAPE
PUNCH ASS'Y	1 TU-BPARO	2 TU-BPA**
SPRING PACK	3 TU-BSP	3 TU-BSP
PUNCH BODY	4 TU-BPBRO	5 TU-BPB**
GUIDE	6 TU-BGURO	7 TU-BGU**
STRIPPER	8 TU-BSTRO	9 TU-BST**
DIE	10 TA-BDIRO	11 TA-BDI**

*Max.Allowable Tonnage:17 Tonne

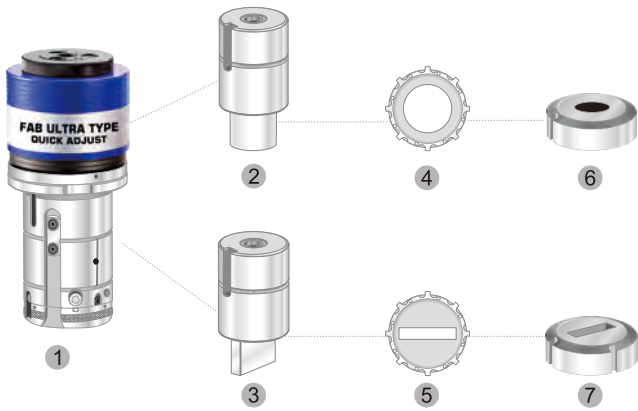
*Max.Thickness≤6.35mm

*Min. Dia/Width: AL 0.75xT, MS 1.0xT, SS 2.0xT

*Ejector for size > 6mm

6mm grinding life

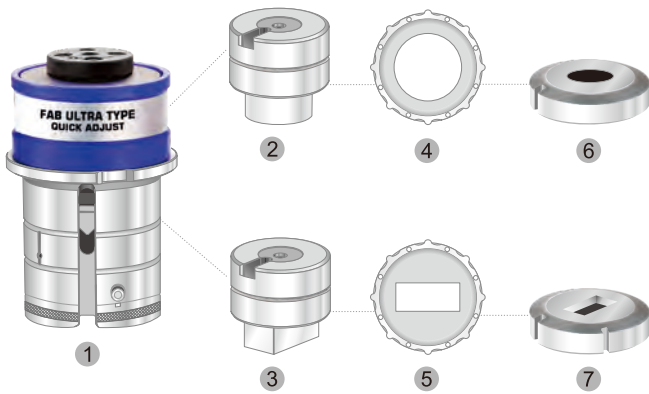
FAB ULTRA TYPE



2" C STATION (max.Diameter/diagonal 50.8mm)

FAB ULTRA TYPE-C STATION		
	ROUND	SHAPE
GUIDE ASS'Y	① TU-CGA	① TU-CGA
PUNCH BODY	② TA-CPBRO	③ TA-CPB**
STRIPPER	④ TU-CDIRO	⑤ TU-CST**
DIE	⑥ TA-CDIRO	⑦ TA-CDI**

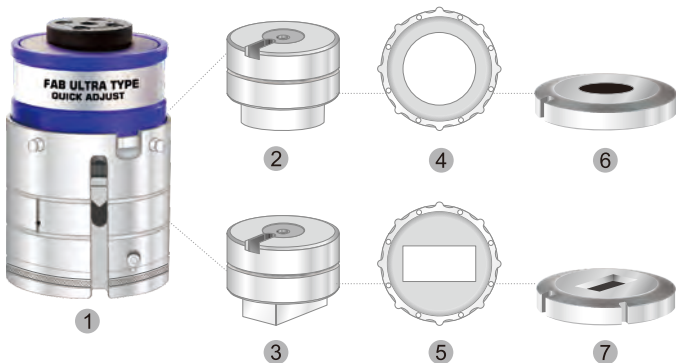
- *Use Basic punch body
- *Max.Allowable Tonnage:17 Tonne
- *Max.Thickness ≤ 6.35mm
- *Min. Dia/Width: AL 0.75xT, MS 1.0xT, SS 2.0xT
- *Ejector for size > 6mm



3 1/2" D STATION (max.Diameter/diagonal 88.9mm)

FAB ULTRA TYPE-D STATION		
	ROUND	SHAPE
GUIDE ASS'Y	① TU-DGA	① TU-DGA
PUNCH BODY	② TA-DPBRO	③ TA-DPB**
STRIPPER	④ TU-DSTRO	⑤ TU-DST**
DIE	⑥ TA-DDIRO	⑦ TA-DDI**

- *Use Basic punch body
- *Max.Allowable Tonnage:17 Tonne
- *Max.Thickness ≤ 6.35mm
- *Min. Dia/Width: AL 0.75xT, MS 1.0xT, SS 2.0xT
- *Ejector for size > 6mm



4 1/2" E STATION (max.Diameter/diagonal 114.3mm)

FAB ULTRA TYPE-E STATION		
	ROUND	SHAPE
GUIDE ASS'Y	① TU-EGA	① TU-EGA
PUNCH BODY	② TA-EPBRO	③ TA-EPB**
STRIPPER	④ TU-ESTRO	⑤ TU-EST**
DIE	⑥ TA-EDIRO	⑦ TA-EDI**

- *Use Basic punch body
- *Max.Allowable Tonnage:17 Tonne
- *Max.Thickness ≤ 6.35mm
- *Min. Dia/Width: AL 0.75xT, MS 1.0xT, SS 2.0xT
- *Ejector for size > 6mm

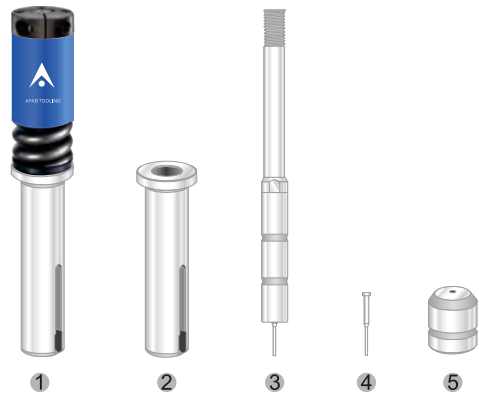
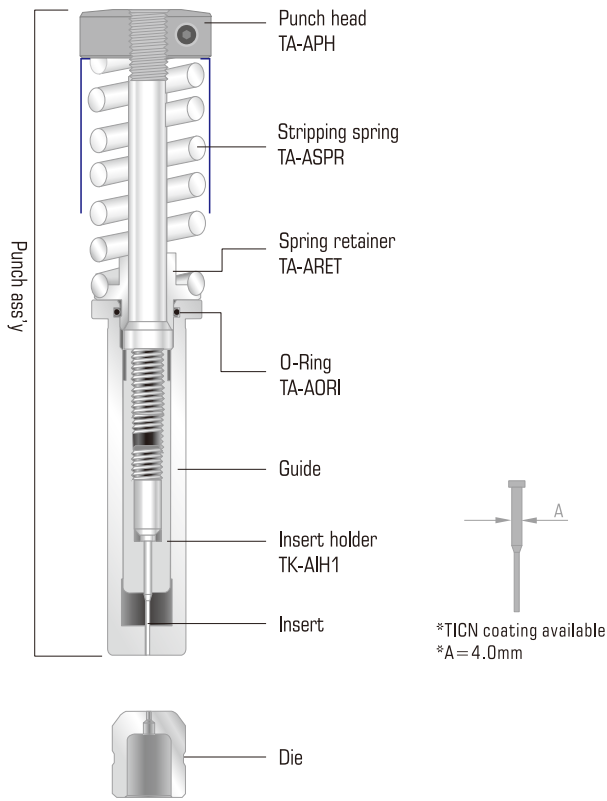
FULLY GUIDED TYPE-THICK TURRET TOOLING



FULLY GUIDED style is special design for very small and very slim size,
with several design feature, including:

- * Longer support for punch tip by stripper or guide
- * Accurate close clearance between punch and guide or stripper.
- * Advise punch in TiCN coating.
- * Quick adjust spring pack optional.
- * Max grinding life on punch 2mm
- * At least double punch life, reduce punch damaging.

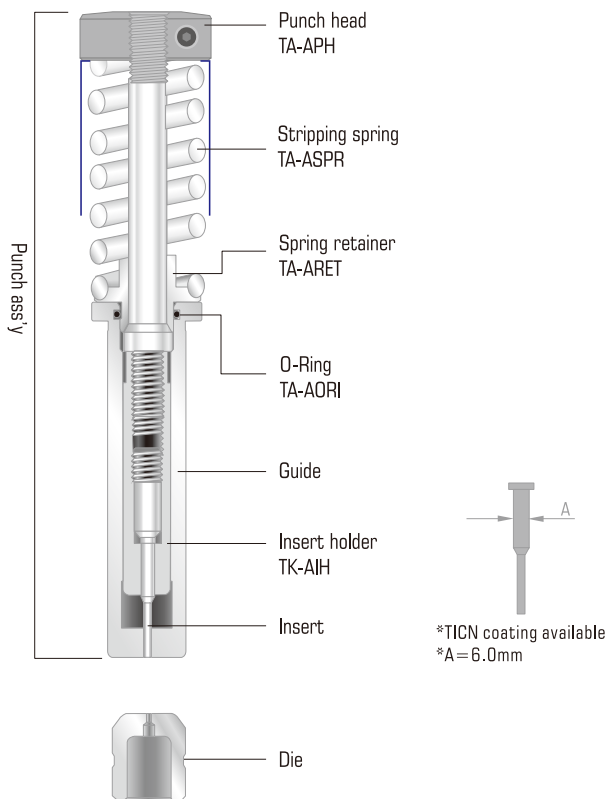
FULLY GUIDED TYPE



FULLY GUIDED-SMALL DIAMETER	
PUNCH ASS'Y	① TK-APA1
GUIDE	② TK-AGU1
INSERT ASS'Y	③ TK-APB1
INSERT	④ TK-API1
DIE	⑤ TK-ADIRO

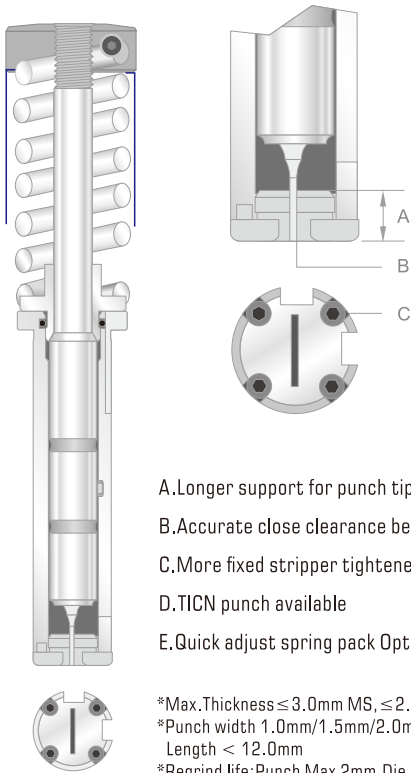
*Insert size:0.8-3.99mm
 *Max.Thickness≤2.0mm MS, ≤1.0mm SS
 *Min. Dia/Width: AL 0.75xT, MS 1.0xT, SS 2.0xT
 *Max grind life in die:1-1.5mm
 *Not for precision hole(Tolerance less ±0.02)

1/2" A STATION (max.Diameter/diagonal 5.99mm)



FULLY GUIDED-SMALL DIAMETER	
PUNCH ASS'Y	① TK-APA2
GUIDE	② TK-AGU2
INSERT ASS'Y	③ TK-APB2
INSERT	④ TK-API2
DIE	⑤ TK-ADIRO

*Insert size:0.8-5.99mm
 *Max.Thickness≤2.0mm MS, ≤1.0mm SS
 *Min. Dia/Width: AL 0.75xT, MS 1.0xT, Advise not for SS
 *Max grind life in die:1-1.5mm
 *Not for precision hole(Tolerance less ±0.02)



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

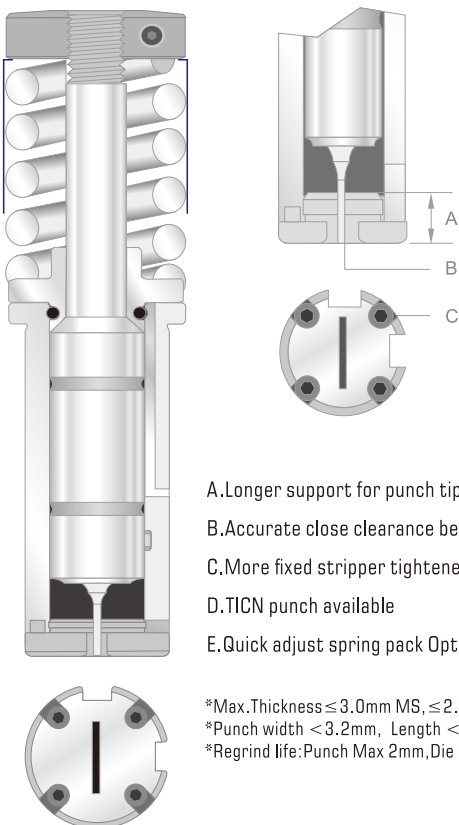
*Max.Thickness ≤ 3.0mm MS, ≤ 2.0mm SS
 *Punch width 1.0mm/1.5mm/2.0mm/2.5mm/3.0mm
 Length < 12.0mm
 *Regrind life:Punch Max 2mm,Die Max 1mm



FULLY GUIDED-A STATION	
PUNCH ASS'Y	1 TK-APA**
PUNCH BODY	2 TK-APB**
GUIDE	3 TK-AGU**
STRIPPER	4 TK-AST**
DIE	5 TK-ADI**



1 1/4" B STATION (max.Diameter 3.2X30mm)



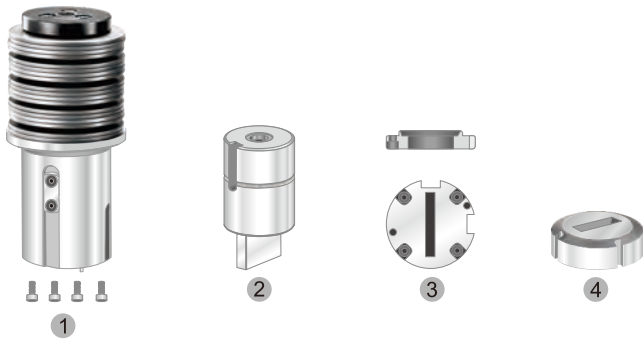
- A.Longer support for punch tip by stripper
- B.Accurate close clearance between punch and stripper
- C.More fixed stripper tightened by 4 screws
- D.TICN punch available
- E.Quick adjust spring pack Optional

*Max.Thickness ≤ 3.0mm MS, ≤ 2.0mm SS
 *Punch width < 3.2mm, Length < 30.0mm
 *Regrind life:Punch Max 2mm,Die Max 1-1.5mm



FULLY GUIDED-B STATION	
PUNCH ASS'Y	1 TK-BPA**
PUNCH BODY	2 TK-BPB**
GUIDE	3 TK-BGU**
STRIPPER	4 TK-BST**
DIE	5 TK-BDI**

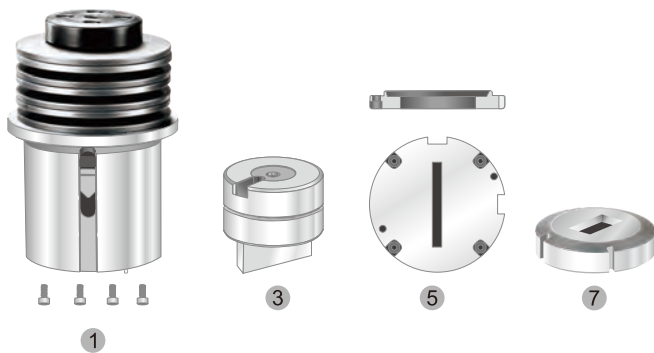




2" C STATION (max.Diameter/diagonal 47mm)

FULLY GUIDED TYPE-C STATION	
GUIDE ASS'Y	1 TK-CGA
PUNCH BODY	2 TA-CPB**
STRIPPER	3 TK-CST**
DIE	4 TA-CDI**

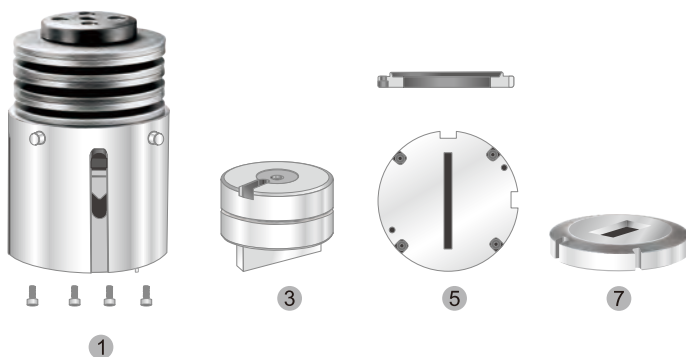
*Use Basic punch body
 *Max.Allowable Tonnage:17 Tonne
 *Max.Thickness ≤ 6.35mm
 *Min. Dia/Width: AL 0.75xT, MS 1.0xT, SS 2.0xT
 *Ejector for size > 6mm



3 1/2" D STATION (max.Diameter/diagonal 85mm)

FULLY GUIDED TYPE-D STATION	
GUIDE ASS'Y	1 TK-DGA
PUNCH BODY	2 TA-DPB**
STRIPPER	3 TK-DST**
DIE	4 TA-DDI**

*Use Basic punch body
 *Max.Allowable Tonnage:17 Tonne
 *Max.Thickness ≤ 6.35mm
 *Min. Dia/Width: AL 0.75xT, MS 1.0xT, SS 2.0xT
 *Ejector for size > 6mm



4 1/2" D STATION (max.Diameter/diagonal 110mm)

FULLY GUIDED TYPE-D STATION	
GUIDE ASS'Y	1 TK-EGA
PUNCH BODY	2 TA-EPB**
STRIPPER	3 TK-EST**
DIE	4 TA-EDI**

*Use Basic punch body
 *Max.Allowable Tonnage:17 Tonne
 *Max.Thickness ≤ 6.35mm
 *Min. Dia/Width: AL 0.75xT, MS 1.0xT, SS 2.0xT
 *Ejector for size > 6mm

Slitting and Close to clamp-THICK TURRET TOOLING



Slitting style

- * Lower cost for punch
- * Especially for cutting size.
- * Rooftop for D,E station, reduce punch tonnage and noise
- * On quick set spring pack,punch life 5mm
- * TICN coating advised

Close to clamp style

- * Punch sheet near clamp assembly,Mini 35mm close.
- * Double relief available
- * Button to quick set stripper is available.
- * Punch blade compitable with amada,mate,wilson.

AMADA Type
M8 bolt



1

MATE Type
M6 bolt

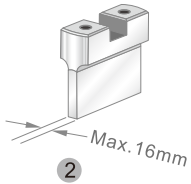


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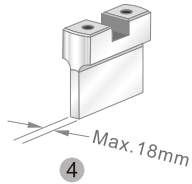
WILSON Type
3/8"-16 bolt



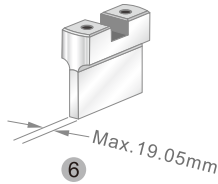
5



2



4



6

2" C STATION (MAX.Length 50mm)

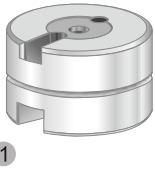
SLITTING TYPE-C STATION

	HOLDER	INSERT
AMADA TYPE	1 TS-CPHAM	2 TS-CPBAM
MATE TYPE	3 TS-CPHMT	4 TS-CPBMT
WILSON TYPE	5 TS-CPHWT	6 TS-CPBWT

Available shape

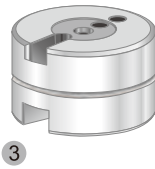


AMADA Type
M8 bolt



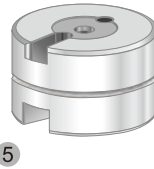
1

MATE Type
M6 bolt

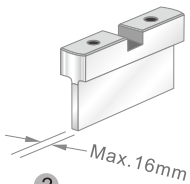


3

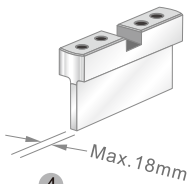
WILSON Type
3/8"-16 bolt



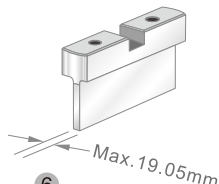
5



2



4



6

3 1/2" D STATION (MAX.Length 85mm)

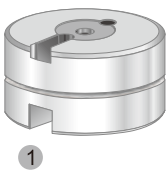
SLITTING TYPE-C STATION

	HOLDER	INSERT
AMADA TYPE	1 TS-DPHAM	2 TS-DPBAM
MATE TYPE	3 TS-DPHMT	4 TS-DPBMT
WILSON TYPE	5 TS-DPHWT	6 TS-DPBWT

Available shape

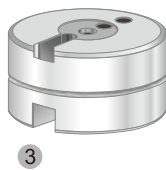


AMADA Type
M8 bolt



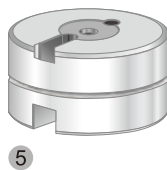
1

MATE Type
M6 bolt

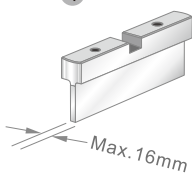


3

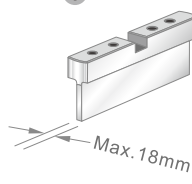
WILSON Type
3/8"-16 bolt



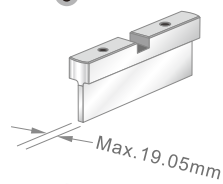
5



2



4



6

4 1/2" E STATION (MAX.Length 110mm)

SLITTING TYPE-C STATION

	HOLDER	INSERT
AMADA TYPE	1 TS-EPHAM	2 TS-EPBAM
MATE TYPE	3 TS-EPHMT	4 TS-EPBMT
WILSON TYPE	5 TS-EPHWT	6 TS-EPBWT

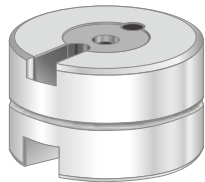
Available shape



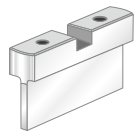
D Station Max 85mm



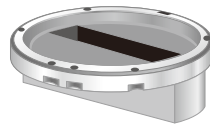
Guide assembly
TS-DGA



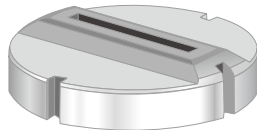
Insert holder
TS-DPHAM



Insert blade
TS-DPBAM



Double relief stripper
TS-DSTAM

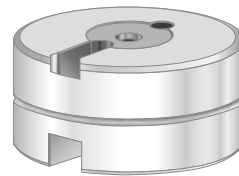


Double relief Die
TS-DDIAM

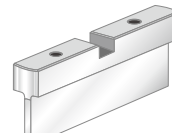
E Station Max 110mm



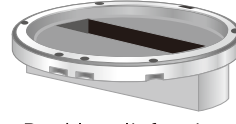
Guide assembly
TS-EGA



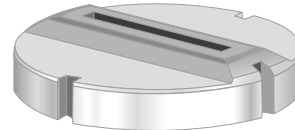
Insert holder
TS-EPHAM



Insert blade
TS-EPBAM



Double relief stripper
TS-ESTAM

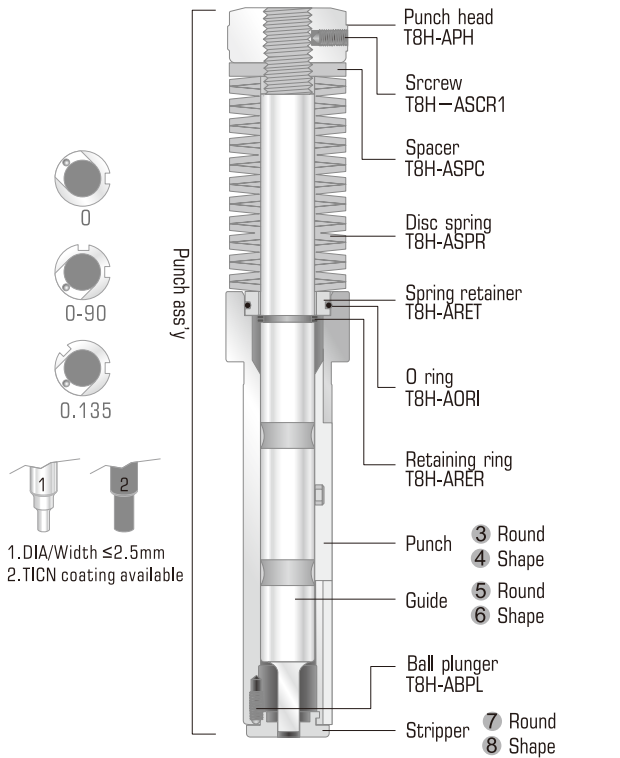


Double relief Die
TS-EDIAM



Use this tool close to work holder clamps. The stripper and the die are relieved so the clamp can pass between the upper and the lower unit. No need to reposition the clamps, saves time, improves piece part quality.

HEAVY DUTY TYPE



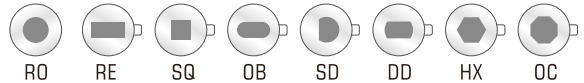
*Max. Allowable Tonnage: 17 Tonne
 *Max. Thickness ≤ 6.35mm
 *Min. Dia/Width: AL 0.75xT, MS 1.0xT, SS 2.0xT
 *Ejector for size > 6mm

A STATION (max. Diameter/diagonal 12.7mm)

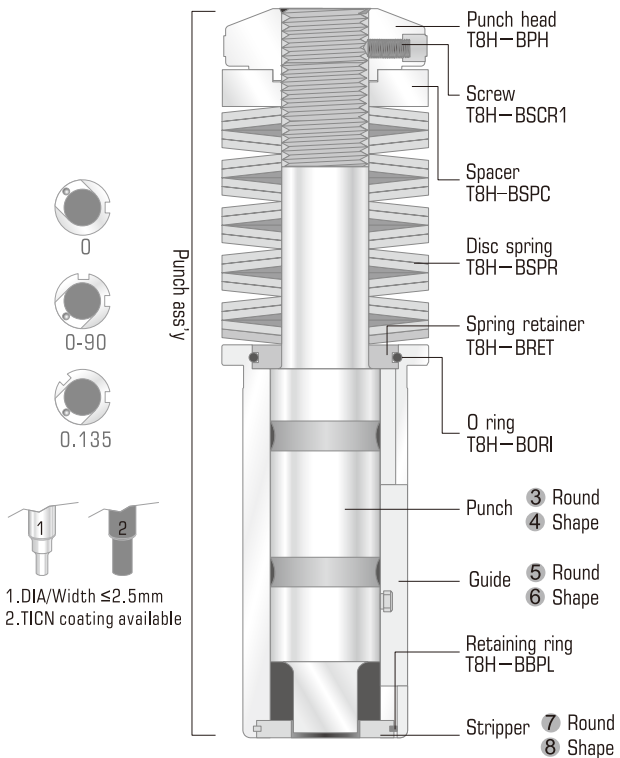


HEAVY DUTY TYPE		
	ROUND	SHAPE
PUNCH ASS'Y	1 T8H-APARO	2 T8H-APA**
PUNCH BODY	3 T8-APBRO	4 T8-APB**
GUIDE	5 T8-AGURO	6 T8-AGU**
STRIPPER	7 T8-ASTRO	8 T8-AST**
DIE	9 TA-ADIRO	10 TA-ADI**

Die pin location and shape code



AIR BLOW SYSTEM



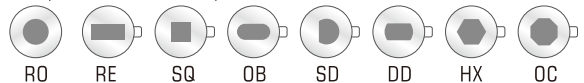
*Max. Allowable Tonnage: 17 Tonne
 *Max. Thickness ≤ 6.35mm
 *Min. Dia/Width: AL 0.75xT, MS 1.0xT, SS 2.0xT
 *Ejector for size > 6mm

B STATION (max. Diameter/diagonal 31.7mm)

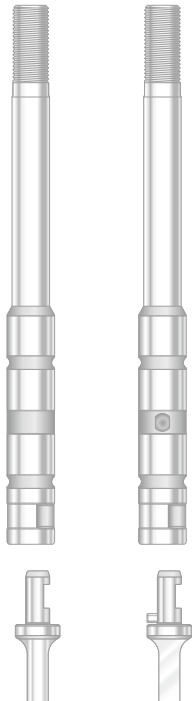


HEAVY DUTY TYPE		
	ROUND	SHAPE
PUNCH ASS'Y	1 T8H-BPARO	2 T8H-BPA**
PUNCH BODY	3 T8-BPBRO	4 T8-BPB**
GUIDE	5 T8-BGURO	6 T8-BGU**
STRIPPER	7 T8-BSTRO	8 T8-BST**
DIE	9 TA-BDIRO	10 TA-BDI**

Die pin location and shape code

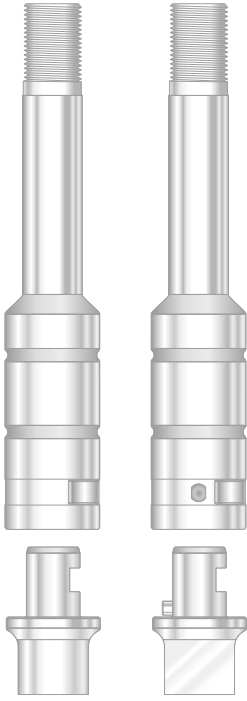


R.I. SYSTEM-A STATION

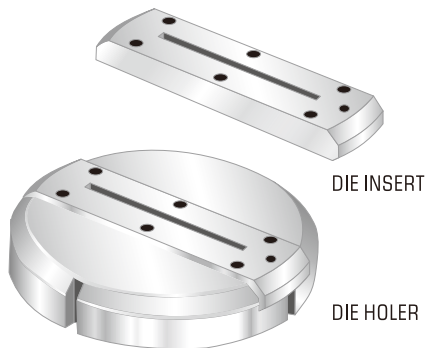


Description	Round	Shape
Punch holder	TAI-APHRO	TAI-APHSH
Punch insert	TAI-APBRO	TAI-APB**

R.I. SYSTEM-B STATION

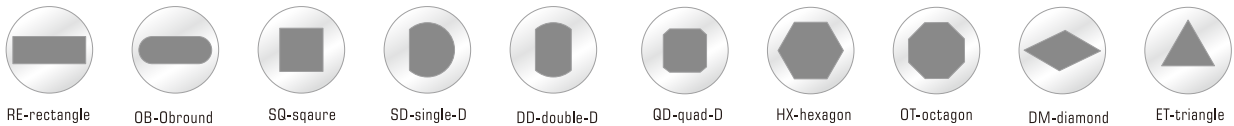


Description	Round	Shape
Punch holder	TAI-BPHRO	TAI-BPHSH
Punch insert	TAI-BPBRO	TAI-BPB**



SLITTING TYPE	D STD. CODE	E STD. CODE
DIE HOLER	TAI-DDH	TAI-EDH
DIE INSERT	TAI-DDI	TAI-EDI

STANDARD SHAPES



MULTI TOOLS-THICK TURRET TOOLING

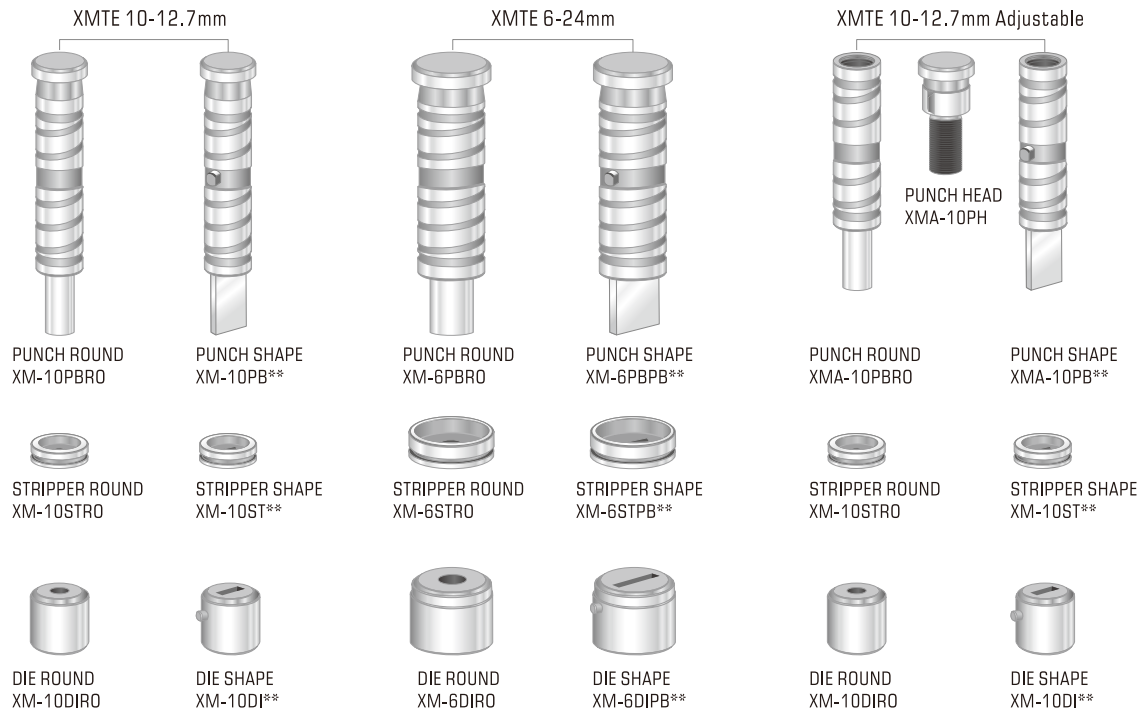
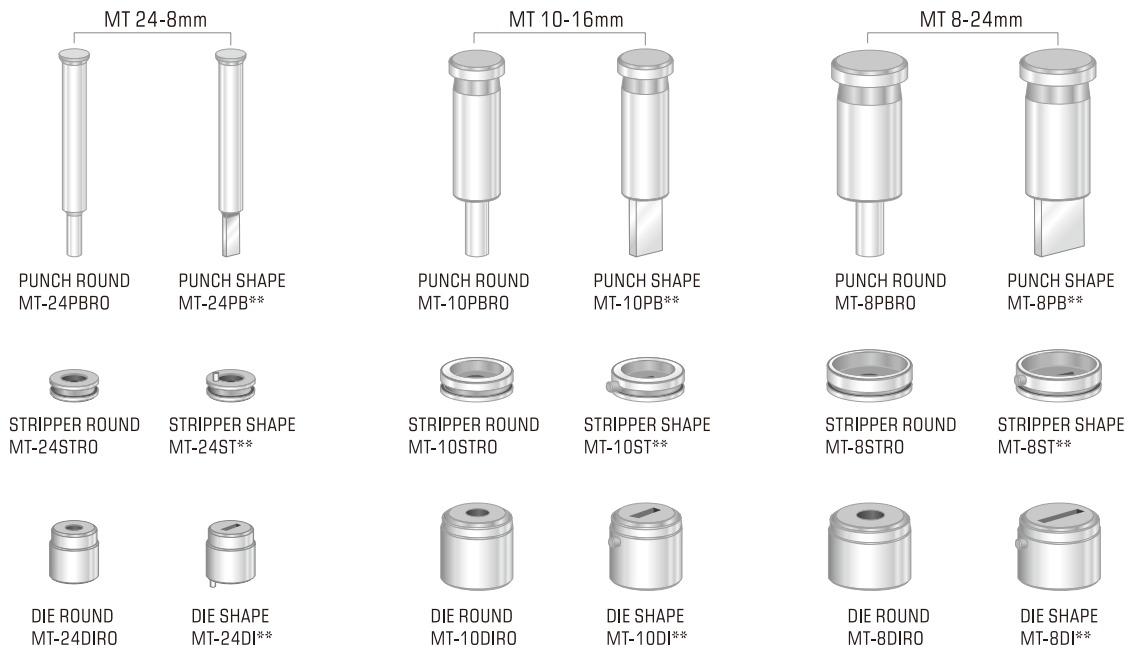


MULTI TOOLS style use for punch press machine with multi tool fuction.

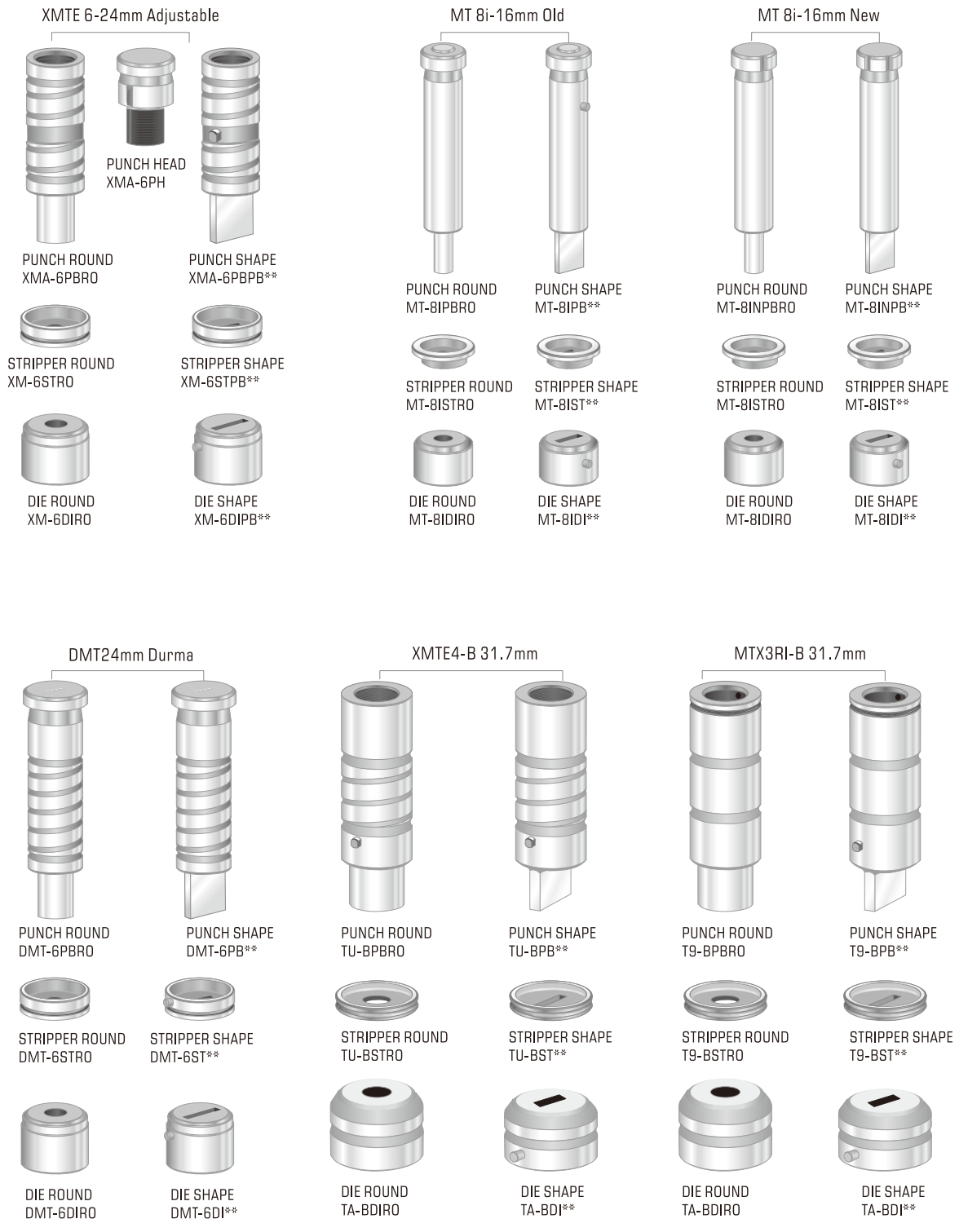
like Finnpower,Prima-power,Euromac,Durma.

* Premium precision punches.

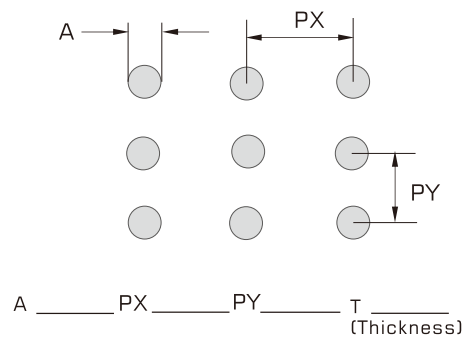
* Adjustable type punch available



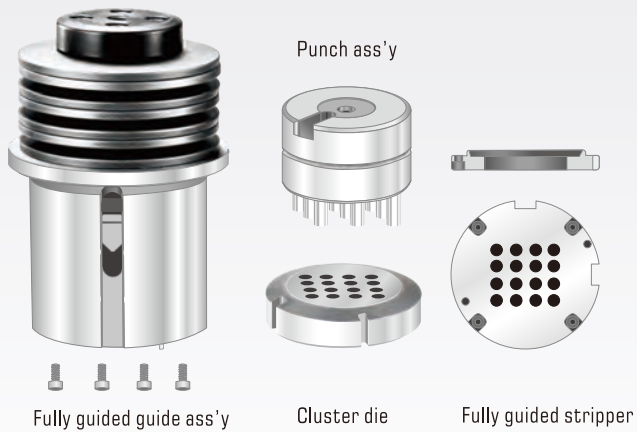
MT TYPE	MAX DIA.	PUNCH LENGTH	DIE HEIGHT	REMARK
MT24-8mm	8.0mm	70.5mm	17.0mm	MT20,MT24,MTE10,MT12-8,MT20-8,MT24
MT10-16mm	16.0mm	70.5mm	24.0mm	MT10,MT6-16, MT10-16
MT8-24mm	24.0mm	70.5mm	24.0mm	MT6,MT8,MTE6,MTE10,MT6-24,MT8-24
XMTE10-12.7mm	12.7mm	100mm	20.0mm	XMTE10
XMTE6-24mm	24.0mm	100mm	24.0mm	XMTE6, XMTE10
XMTE10A-12.7mm	12.7mm	80.5mm	20.0mm	XMTE10



MT TYPE	MAX DIA.	PUNCH LENGTH	DIE HEIGHT	REMARK
XMTE6A-24mm	24.0mm	80.5mm	24.0mm	XMTE6, XMTE10
MT8i-16mm Old	16.0mm	100mm	17.6mm	MT8i, MT8Ri
MT8i-16mm New	16.0mm	100.5mm	17.6mm	MT8i, MT8Ri
DMT24mm	24.0mm	113.5mm	24.0mm	DURMA DMT6-24
XMTE4-B 31.7mm	31.7mm	100.5mm	30.4mm	XMTE4, Ultra IMT3, Ultra MT3
MTX3Ri	31.7mm	100.5mm	30.4mm	MTX3Ri



Fully guided cluster Recommend in Diameter/Width < 3.0mm



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

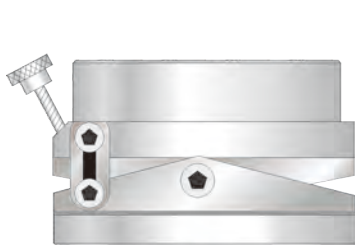
AUTO PUNCH DIE GRINDER V8



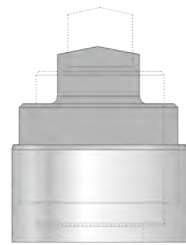
AFAB GRINDER FEATURE

- * Touch-screen interface, Easy operation, Support multiple languages
- * Friendly grinding system, No need to know grinding parameter
- * Simple fixture design, Load and unload punch die quickly, easily
- * Fixture works for popular tooling (amada, trumpf, multi-tool, murata, salvagnini)
- * Optional shear adjustment fixture
- * Machine colour: Blue white and Red black

Optional shear fixture and adaptors



Fixture base (E STN)



C.D STN adaptor



90 punch adaptor



Trumpf punch adaptor



Alignment Tool-A Station		
	For single track	For multiple track
Punch ass'y	TA-AALPAS	TA-AALPAM
Die	TA-AALDIS	TA-AALDIM
T handle	TA-AALTH	



Alignment Tool-B Station		
	For single track	For multiple track
Punch ass'y	TA-BALPAS	TA-BALPAM
Die	TA-BALDIS	TA-BALDIM
T handle	TA-BALTH	



Alignment Tool-C Station	
Punch ass'y	TA-CALPA
Die	TA-CALDI
T handle	TA-BALTH



Alignment Tool-D Station	
Punch ass'y	TA-DALPA
Die	TA-DALDI
T handle	TA-DALTH



Alignment Tool-E Station	
Punch ass'y	TA-EALPA
Die	TA-EALDI
T handle	TA-EALTH



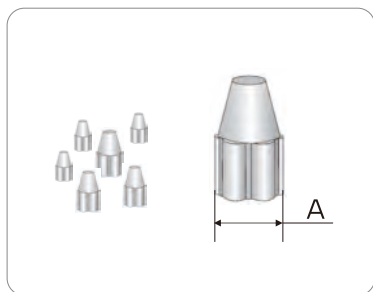
Adpator	B-A	B-C	B-D	D-C	D-A	C-A
Punch	TA-ADABP	TA-ADBCP	TA-ADBDP	TA-ADDCP	TA-ADDAP	TA-ADCAP
Die	TA-ADABD	TA-ADBCD	TA-ADBDD	TA-ADDCD	TA-ADDAD	TA-ADCAD



BALL DIE				
Station	A	B	C	D
Part code	TA.ABD	TA.BBD	TA.CBD	TA.DBD



BRUSH DIE				
Station	A	B	C	D
Part code	TA.ABR	TA.BBR	TA.CBR	TA.DBR

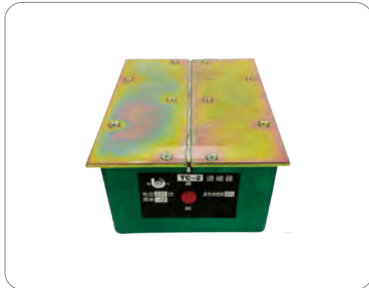


EJECTOR				
Station	A=3	B=6	C=10	
Part code	TA-3EJ	TA-6EJ	TA-0EJ	



Fixture for assembling or disassembling each station tools

Ass'y fixture for a/b/c/d/e
Code#: FADS



When punch die adhere magnet, should remove by demagnetiser

DEMAGNETISER
Code#: DEMTC-2



CBN conductive wheel for AMADA TOGU 3 or AFAB V6 grinder

CBN WHEEL
Code#: ATGW-3



Pliers, Tool separate stripper from guide, guide from punch ass'y

CBN WHEEL
Code#: PL01



Fixture to regrind C.D.E station rooftop punch

Angle base for E STN punch
Code#: FRT-E

Adaptor for C/D STN punch
Code#: FRT-CD

Frequently check and replace keys, extend life for turret and tooling.

*Replace keys each half year for upper turret Index station

*Replace keys each one year for C.D.E and Commonly used station





***AMADA KEY FOR UPPER TURRET**

									
Location Code	Outner A&B key 91KU2401	Location Code	Inner A&B key 91KU2402	Location Code	Outner A&B key 91KU2403	Location Code	EMK A&B key 91KU2404	Location Code	Index B key 91KU0401
									
Location Code	C (30 STN) key 91KU0601	Location Code	C (58 STN) key 91KU0601	Location Code	D STN key 91KU0801	Location Code	D STN key 91KU0802	Location Code	D STN key 91KU0803
									
Location Code	E STN key 91KU0901	Location Code	EMZ-Index C key 91KU0603	Location Code	EMZ- C key 91KU0604	Location Code	EMZ- D key 91KU0804	Location Code	EMZ- E key 91KU0902

***AMADA KEY FOR LOWER TURRET**

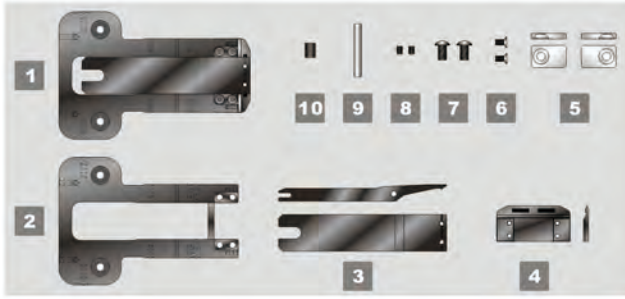
					
Location Code	C STN key 91KD0601	Location Code	C&D&E STN key 91KD6891	Location Code	D STN key 91KD0801

***KEY FOR TAILIFT TURRET**

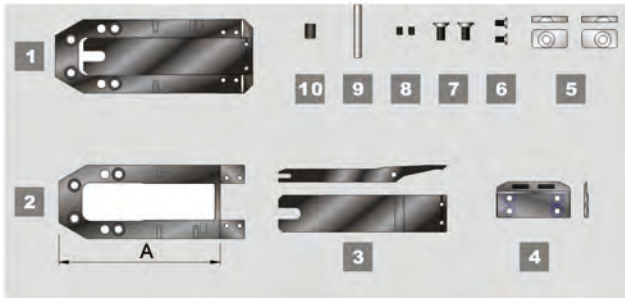
			
Location Code	Index B key 91KU0405	Location Code	Index B Thick key 91KU0406

***KEY FOR OTHERS**

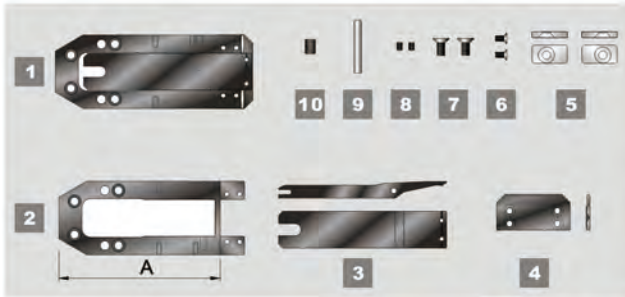
	
Location Code	Z guide punch key 91960099



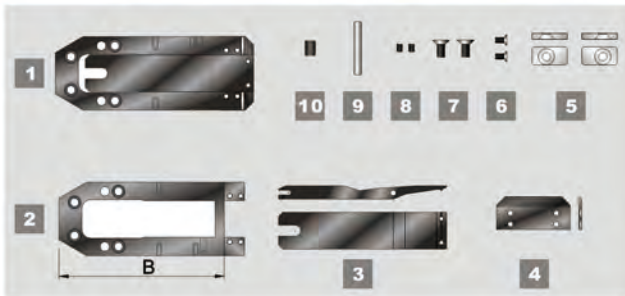
AC/AE/EM PNEUMATIC		
Part name	Clamp base ass'y ¹	Clamp base ²
Part code	71AM1012	71AM1013
Part name	Clamper ³	Clamp plate ⁴
Part code	71AM1014	71AM1015



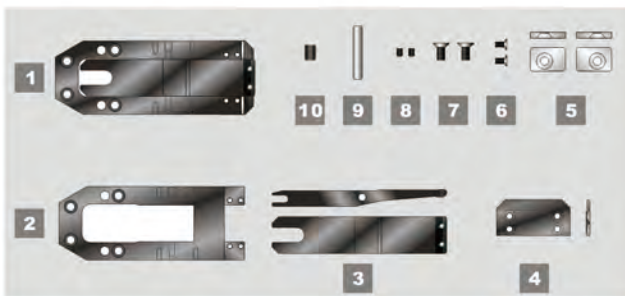
EM-old PNEUMATIC		
Part name	Clamp base ass'y ¹	Clamp base ²
Part code	71AM1010	71AM1002
Part name	Clamper ³	Clamp plate ⁴
Part code	71AM1003	71AM1011



1 Type PNEUMATIC-255		
Part name	Clamp base ass'y ¹	Clamp base ²
Part code	71AM1001	71AM1002
Part name	Clamper ³	Clamp plate ⁴
Part code	71AM1003	71AM1004



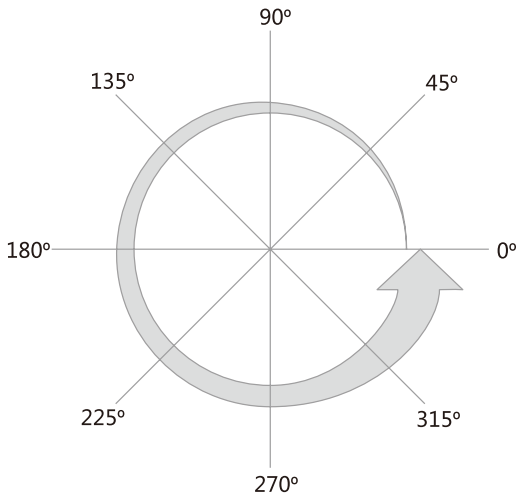
2 Type PNEUMATIC-357		
Part name	Clamp base ass'y ¹	Clamp base ²
Part code	71AM1007	71AM1008
Part name	Clamper ³	Clamp plate ⁴
Part code	71AM1003	71AM1009



HYDRAULIC CLAMP		
Part name	Clamp base ass'y ¹	Clamp base ²
Part code	71AM1017	71AM1018
Part name	Clamper ³	Clamp plate ⁴
Part code	71AM1019	71AM1004

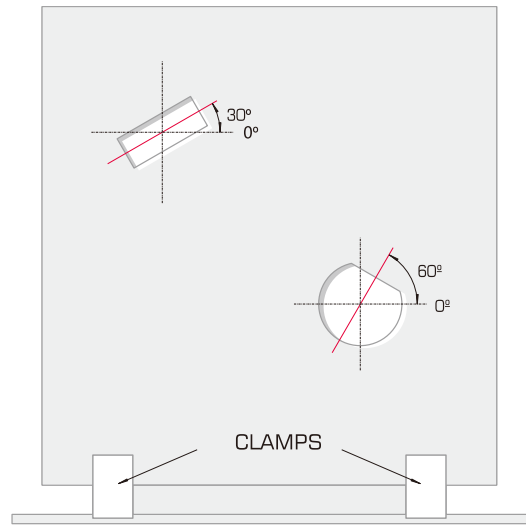


TOP DIE VIEW



SHAPE ANGLE DIRECTION

TOP DIE OF TURRET



SHAPE POSITION AT SHEET METAL FROM TOP OF MACHINE

STANDARD SHAPES



RO Round



RE Rectangle



SQ Square



OB Oblong



SD Single D



DD Double D



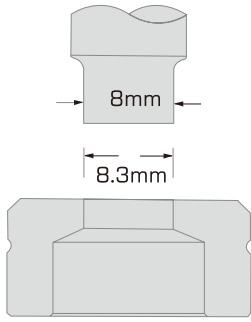
HX Hexagon



OC Octagon

STANDARD KEYING LOCATIONS

A&B Station	Punch Pin						
	Die Pin						
C Station	Punch Keyway						
	Die Keyway						
D Station	Punch Keyway						
	Die Keyway						
E Station	Punch Keyway						
	Die Keyway						



8.3-8mm = 0.3mm = Total Clearance

Recommended Total Die Clearance

Material Thickness	Aluminum Total Clearance	Mild Steel Total Clearance	Stainless Steel Total Clearance
1.00	0.15	0.20	0.20
1.50	0.23	0.30	0.40
2.00	0.30	0.40	0.50
3.00	0.60	0.75	0.90
4.00	0.80	1.00	1.20
5.00	1.00	1.25	1.75
6.35	1.60	2.00	2.22

PUNCH TIP TYPE



WHISPER



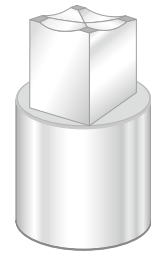
ROOFTOP



INVERT ROOFTOP

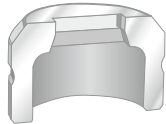


CONCAVE

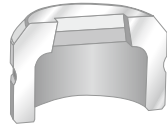


4-WAY

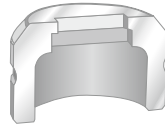
DIE TYPE



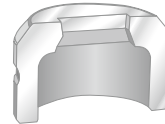
STANDARD



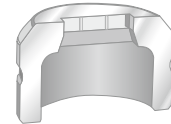
POSITIVE



STEP



ANTI SLUG 1



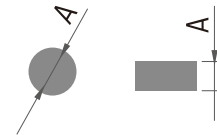
ANTI SLUG 2

Minimum punchable hole diameter

Minimum diameter size has a smaller proof tonnage on the punch edge and lead to the punch break.

Material type	Guarantee
Mild steel	TX1.0
Aluminium	TX1.0
Stainless steel	TX2.0

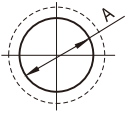
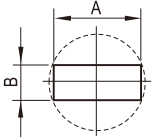
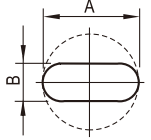
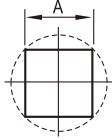
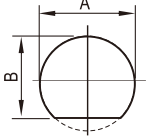
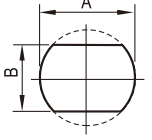
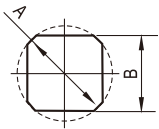
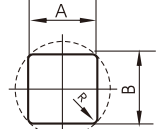
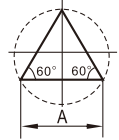

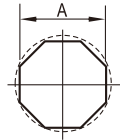
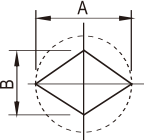
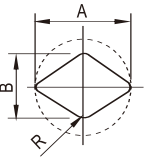
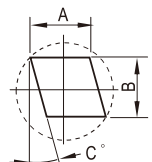
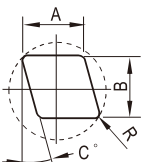
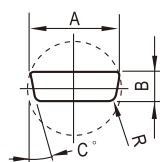
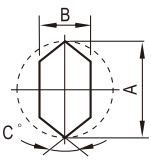
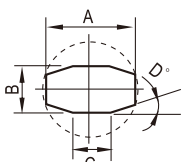
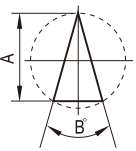
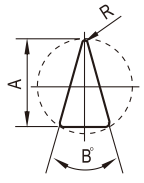
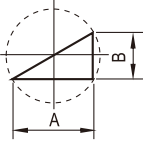
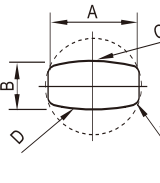
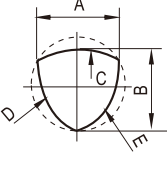
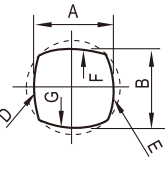
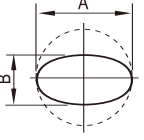
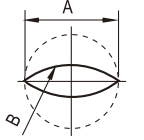
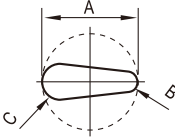
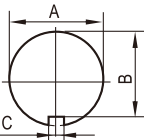
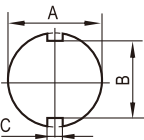
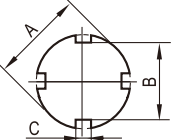
Eg, T = 1.5mm
 In mild steel Min A = 1.5
 In Aluminium Min A = 1.5
 In Stainless steel Min A = 3.0

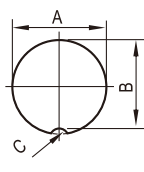
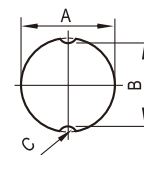
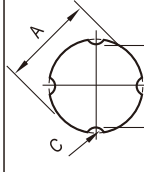
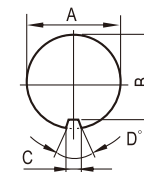
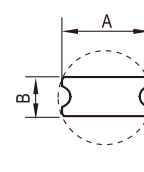
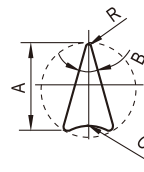
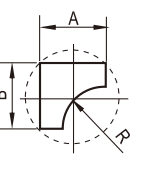
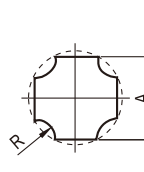
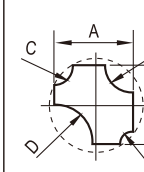
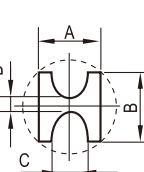
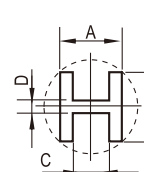
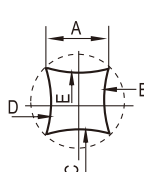
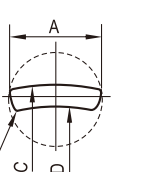
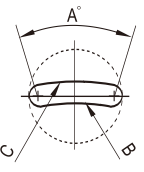
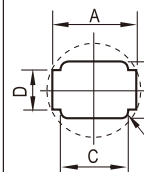
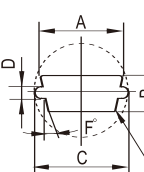
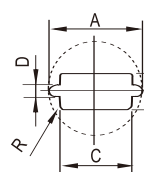
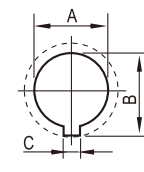
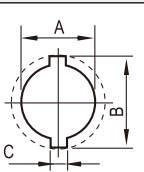
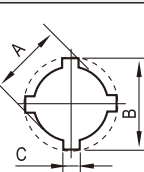
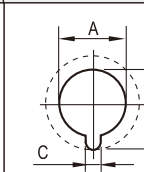
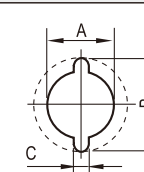
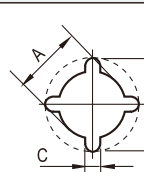
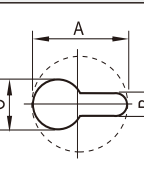
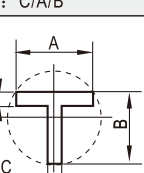
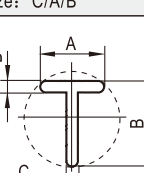
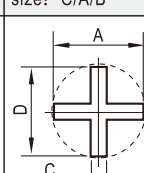
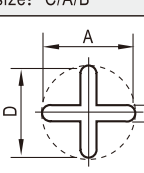
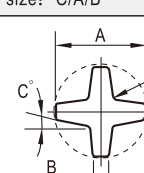


Maximum allowable tonnage & tool punch size

	Tool size	A (1/2")				B (1 1/4")			
	Type	Original style		Air-Blow		Original style		Air-Blow	
	Max tonnage	60 kN (6 ton)		45 kN (4.5 ton)		170 kN (17 ton)		160 kN (16 ton)	
	Material	Middle steel	Stainless	Middle steel	Stainless	Middle steel	Stainless	Middle steel	Stainless
Thickness	1.0	Ø 12.7	Ø 12.7	Ø 12.7	Ø 12.7	Ø 31.7	Ø 31.7	Ø 30.0	Ø 30.0
	2.0	Ø 12.7	Ø 12.7	Ø 12.7	Ø 11.5	Ø 31.7	Ø 31.7	Ø 30.0	Ø 30.0
	3.0	Ø 12.7	Ø 10.5	Ø 12.0	Ø 8.0	Ø 31.7	Ø 30.0	Ø 30.0	Ø 28.0
	4.0	Ø 11.5	Ø 8.0	Ø 9.0	NG	Ø 31.7	Ø 22.5	Ø 30.0	Ø 25.0
	5.0	Ø 9.5	NG	Ø 7.0	NG	Ø 27.0	Ø 18.0	Ø 25.5	Ø 17.0
	6.0	Ø 8.5	NG	NG	NG	Ø 23.0	Ø 15.0	Ø 21.0	Ø 14.0

* All calculation is based up on shear strength Mild steel : 400N / mm² stainless steel : 600N / mm².

					
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

					
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	

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