

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

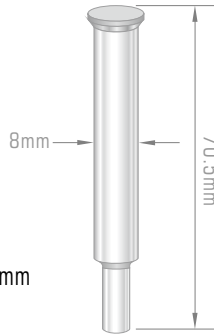
CONTENT



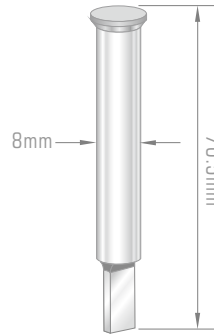
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MULTI-TOOL 24-8mm

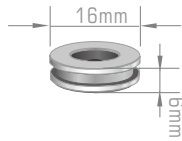
PUNCH ROUND
MT-24PBRO
Punch grind life: 1.5mm



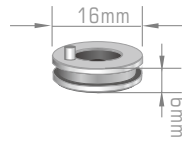
PUNCH SHAPE
MT-24PB**



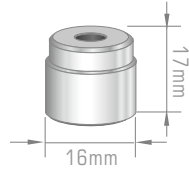
STRIPPER ROUND
MT-24STRO



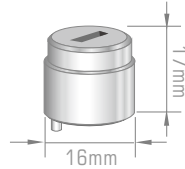
STRIPPER SHAPE
MT-24ST**



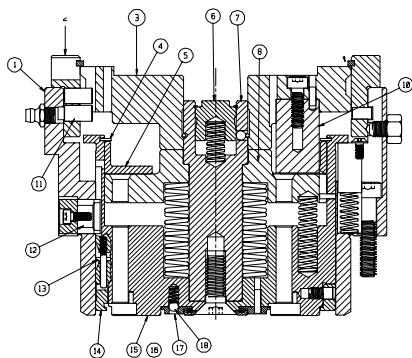
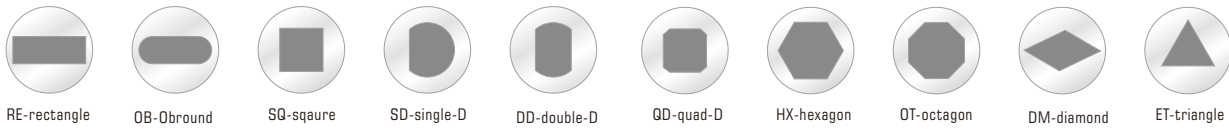
DIE ROUND
MT-24DIRO
Die grind life: 1.5mm



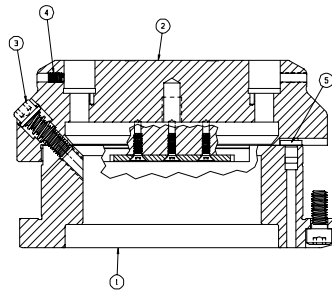
DIE SHAPE
MT-24DI**



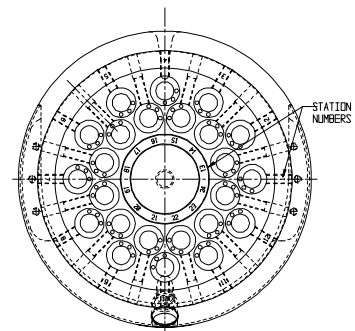
STANDARD SHAPES




PUNCH HOLDER



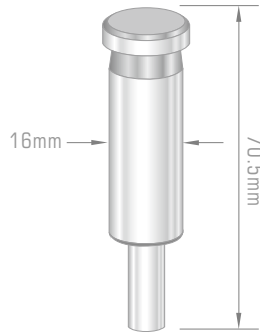
DIE HOLDER



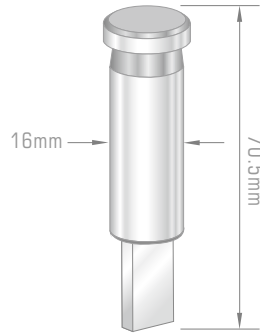
TOP VIEW OF DIE HOLDER

Description	Suitable with below holders		A Dimension
It's a tool which expands the capacity of any one station of a CNC press by allowing more than one punch and die set to be placed in a particular machine station.	Mate Precision Tooling MT20,MT24,MTE10 Max Tonnage 3 Tons(2.72 metric)	Wilson Tool MT12-8,MT20-8,MT24-8	 Max, A: 8mm

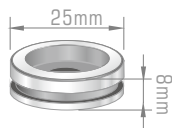
MULTI-TOOL 10-16mm



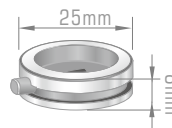
PUNCH ROUND
MT-10PBRO
 Punch grind life: 1.5mm



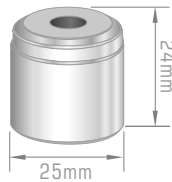
PUNCH SHAPE
MT-10PB**



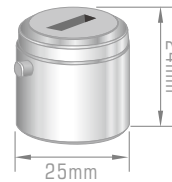
STRIPPER ROUND
MT-10STRO



STRIPPER SHAPE
MT-10ST**



DIE ROUND
MT-10DIRO
 Die grind life: 1.5mm



DIE SHAPE
MT-10DI**

STANDARD SHAPES



RE-rectangle



OB-Obround



SQ-square



SD-single-D



DD-double-D



QD-quad-D



HX-hexagon



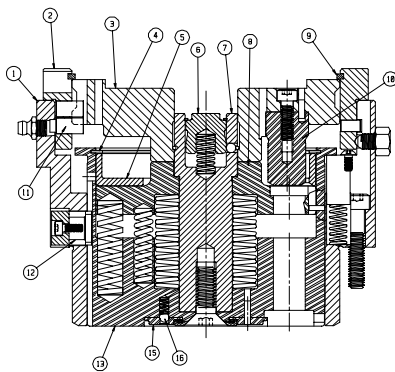
OT-octagon



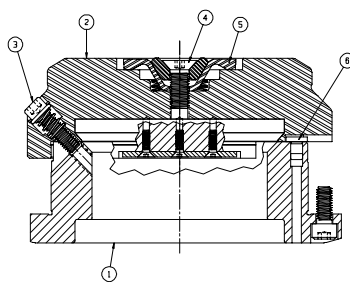
DM-diamond



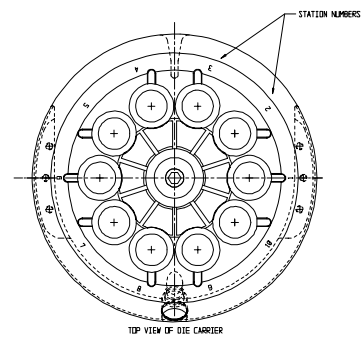
ET-triangle




PUNCH HOLDER



DIE HOLDER

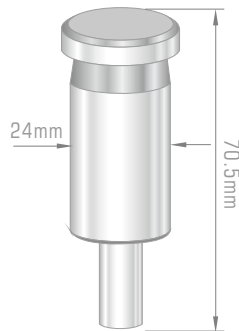


TOP VIEW OF DIE HOLDER

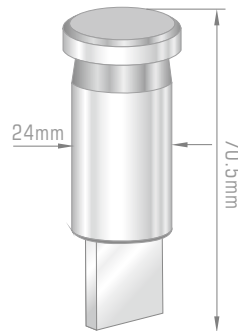
Description	Suitable with below holders		A Dimension
It's a tool which expands the capacity of any one station of a CNC press by allowing more than one punch and die set to be placed in a particular machine station.	Mate Precision Tooling MT10 Max Tonnage 6 Tons(5.44 metric)	Wilson Tool MT6-16, MT10-16	 Max, A: 16mm

MULTI-TOOL 8-24mm

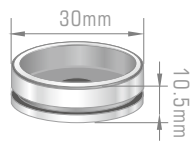
**PUNCH ROUND
MT-8PBRO**



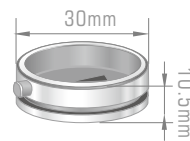
**PUNCH SHAPE
MT-8PB****



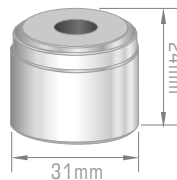
**STRIPPER ROUND
MT-8STRO**



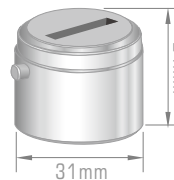
**STRIPPER SHAPE
MT-8ST****



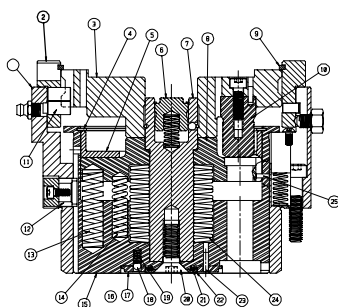
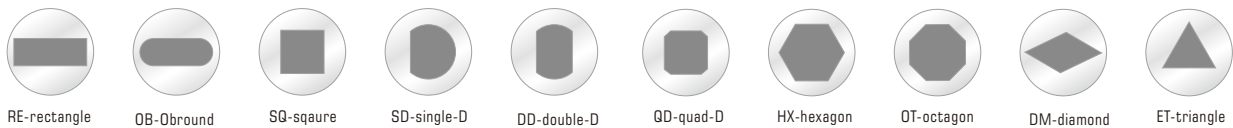
**DIE ROUND
MT-8DIRO**



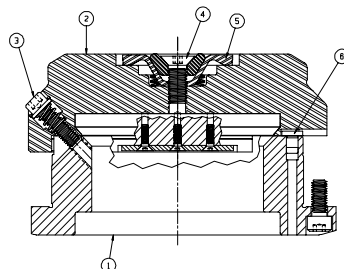
**DIE SHAPE
MT-8DI****



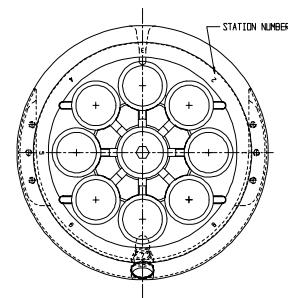
STANDARD SHAPES




PUNCH HOLDER



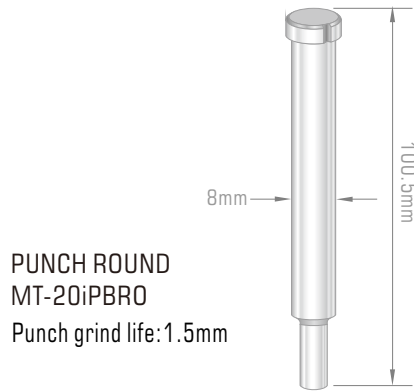
DIE HOLDER



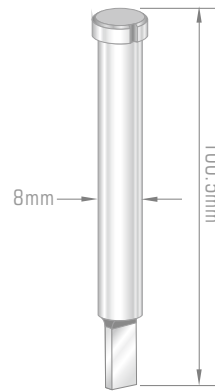
TOP VIEW OF DIE HOLDER

Description	Suitable with below holders	A Dimension
<p>It's a tool which expands the capacity of any one station of a CNC press by allowing more than one punch and die set to be placed in a particular machine station.</p>	<p>Mate Precision Tooling Wilson Tool MT6,MT8,MTE6,MTE10 MT6-24,MT8-24 Max Tonnage 10 Tons(9.07metric)</p>	 Max,A:24mm

MULTI-TOOL 20i-8mm



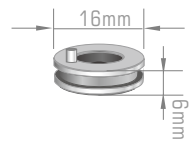
PUNCH ROUND
MT-20iPBRO
Punch grind life: 1.5mm



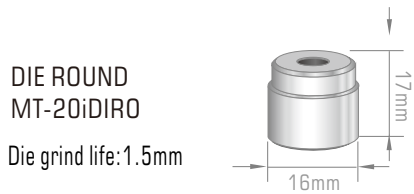
PUNCH SHAPE
MT-20iPB**



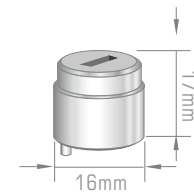
STRIPPER ROUND
MT-20iSTRO



STRIPPER SHAPE
MT-20iST**

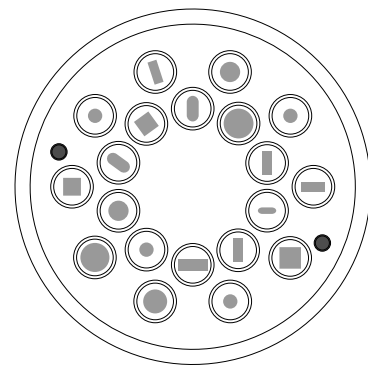
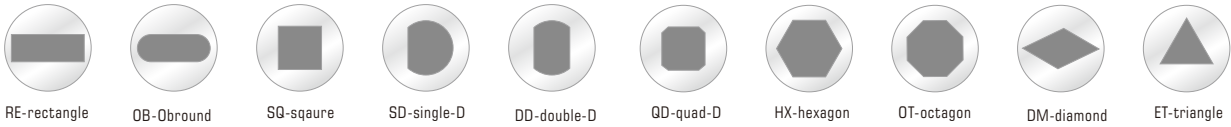


DIE ROUND
MT-20iDIRO
Die grind life: 1.5mm




DIE SHAPE
MT-20iDI**

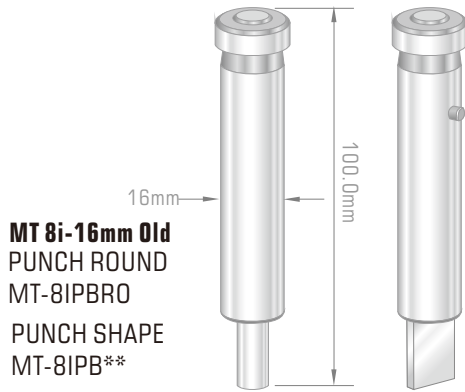
STANDARD SHAPES



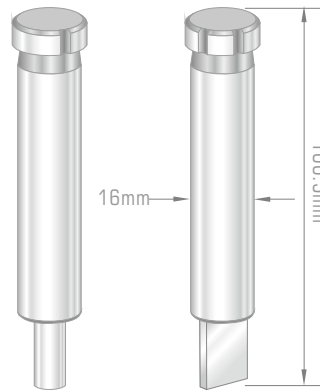
SHAPE LAYOUT

Description	Suitable with below holders	A Dimension
It's a tool which expands the capacity of any one station of a CNC press by allowing more than one punch and die set to be placed in a particular machine station.	Wilson Tool MT20i-8mm	 Max, A: 8mm

MULTI-TOOL 8i-16mm

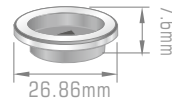
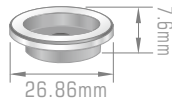


MT 8i-16mm Old
PUNCH ROUND
MT-8IPBRO
PUNCH SHAPE
MT-8IPB**



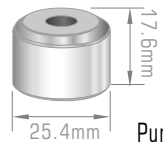
MT 8i-16mm New
PUNCH ROUND
MT-8INPBRO
PUNCH SHAPE
MT-8INPB**

STRIPPER ROUND
MT-8ISTRO

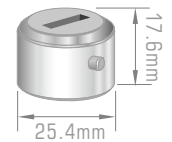


STRIPPER SHAPE
MT-8IST**

DIE ROUND
MT-8IDIRO

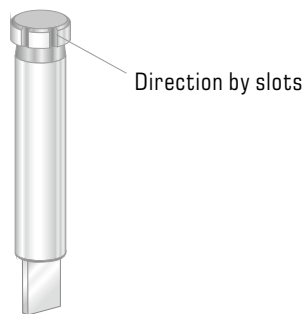
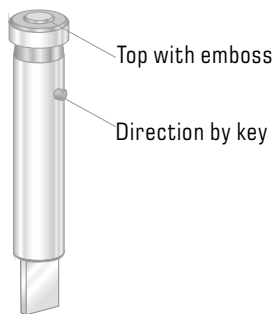
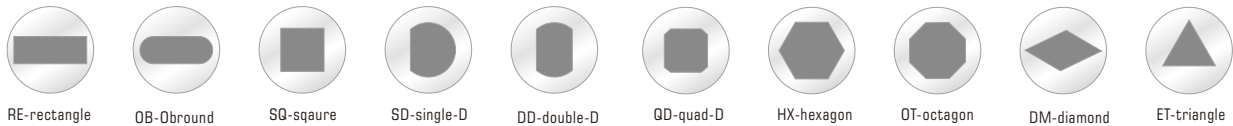


Punch, Die grind life: 1.5mm

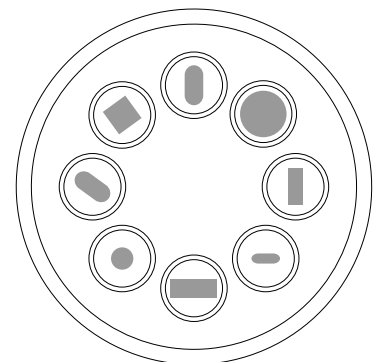


DIE SHAPE
MT-8IDI**

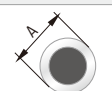
STANDARD SHAPES



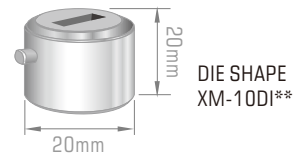
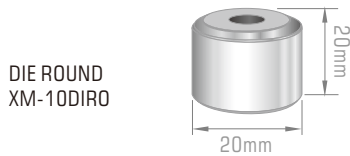
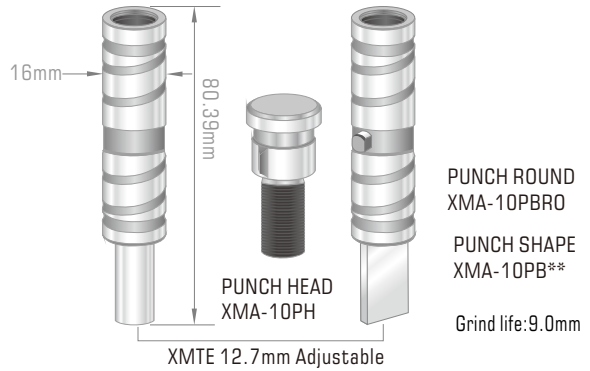
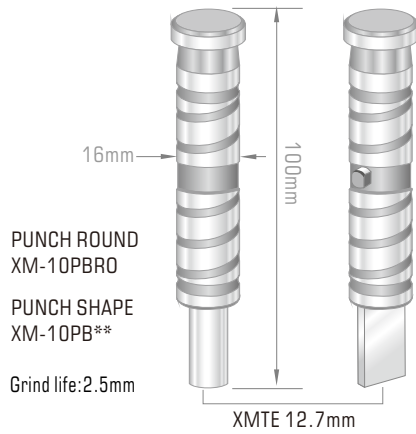
MT 8i-16mm Old compare with New one



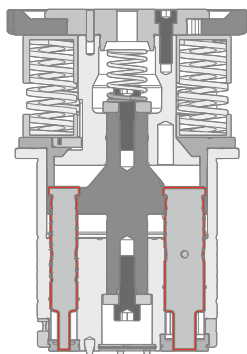
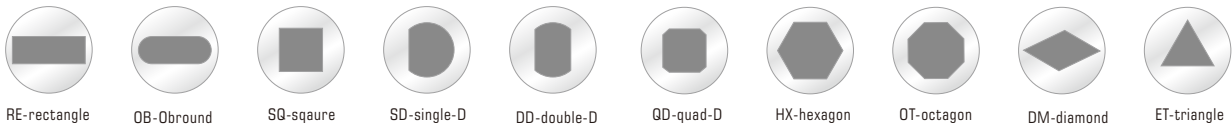
SHAPE LAYOUT

Description	Suitable with below holders	A Dimension
It's a tool which expands the capacity of any one station of a CNC press by allowing more than one punch and die set to be placed in a particular machine station.	Wilson Tool MT8i-20mm old MT8i-20mm new	 Max, 16mm

XMT10-12.7/XMA-10-12.7



STANDARD SHAPES

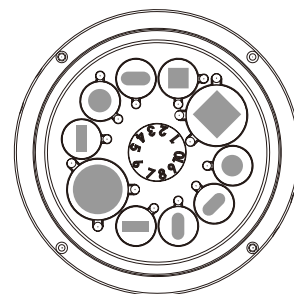


PUNCH HOLDER


XMTE10 station include
2-XMT 6-24mm
6-XMT 12.7mm



DIE HOLDER



TOP VIEW OF DIE HOLDER

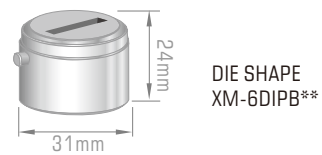
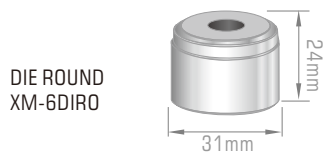
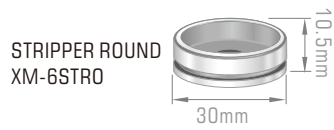
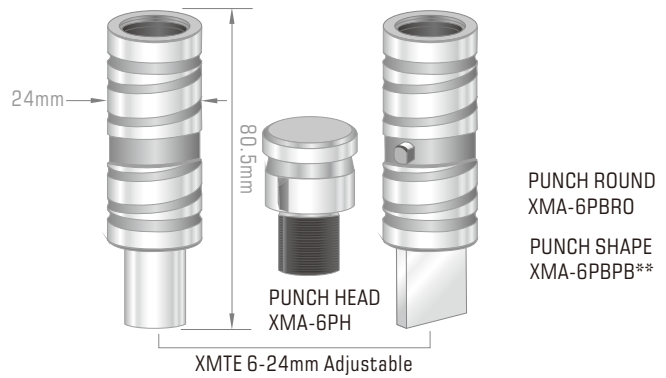
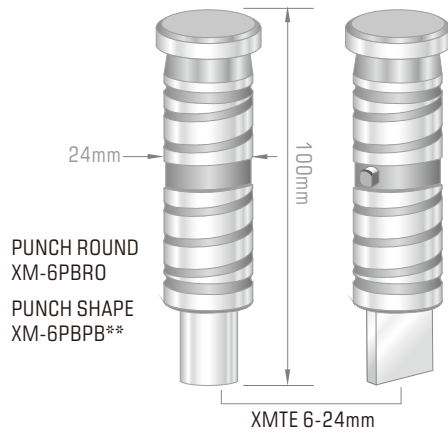
Description	Suitable with below holders	A Dimension
<p>It's a tool which expands the capacity of any one station of a CNC press by allowing more than one punch and die set to be placed in a particular machine station.</p>	<p>Mate Precision Tooling XMTE10</p>	 <p>Max, A: 12.7mm</p>

MULTI TOOL-MT TOOL

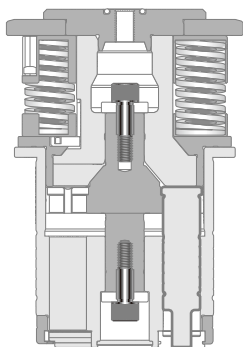
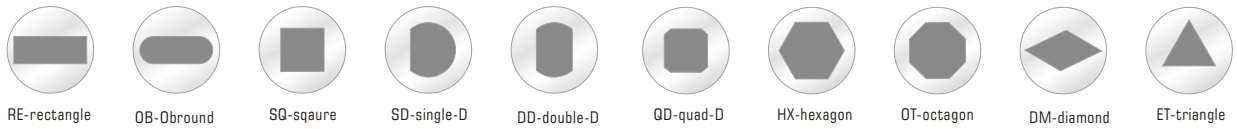


FOR EUROMAC ONLY

XMT6-24/XMA-6-24mm



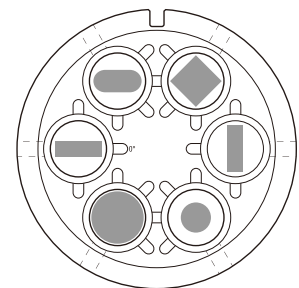
STANDARD SHAPES



PUNCH HOLDER



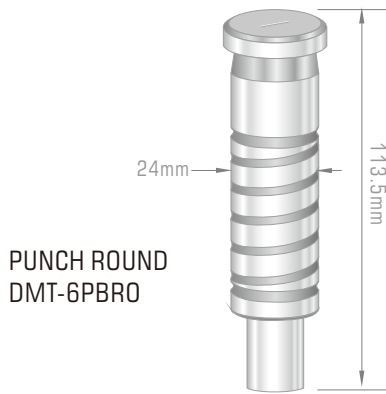
DIE HOLDER



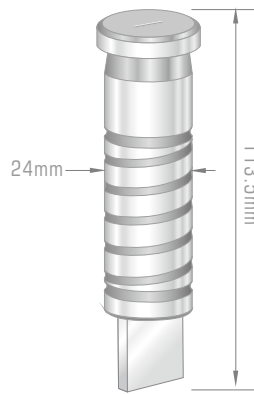
TOP VIEW OF DIE HOLDER

Description	Suitable with below holders	A Dimension
It's a tool which expands the capacity of any one station of a CNC press by allowing more than one punch and die set to be placed in a particular machine station.	Mate Precision Tooling XMT6	<p>Max, 24mm</p>

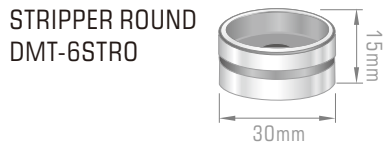
DMT6-24mm



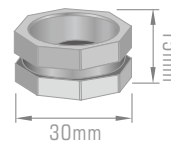
**PUNCH ROUND
DMT-6PBRO**



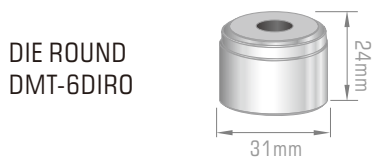
**PUNCH SHAPE
DMT-6PB****



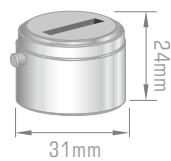
**STRIPPER ROUND
DMT-6STRO**



**STRIPPER SHAPE
DMT-6ST****



**DIE ROUND
DMT-6DIRO**



**DIE SHAPE
DMT-6DI****

STANDARD SHAPES



RE-rectangle



OB-obround



SG-square



SD-single-D



DD-double-D



QD-quad-D



HX-hexagon



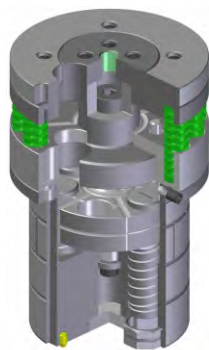
OT-octagon



DM-diamond



ET-triangle




PUNCH HOLDER

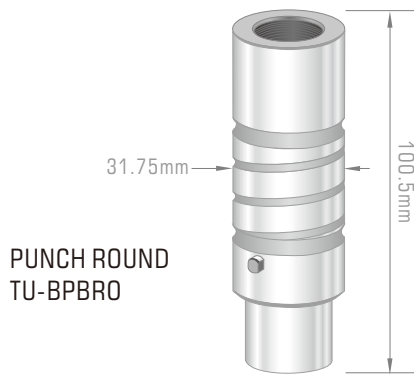


DIE HOLDER

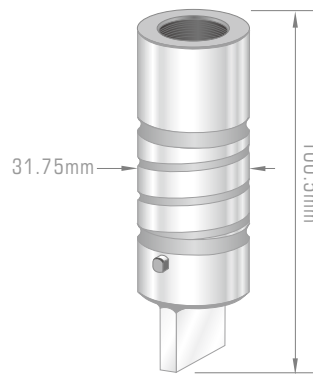


Description	Suitable with below holders	A Dimension
It's a tool which expands the capacity of any one station of a CNC press by allowing more than one punch and die set to be placed in a particular machine station.	DURMA 6-24mm	 Max,A:24mm

MTE4-B 31.7mm



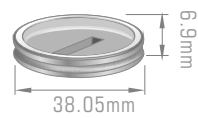
PUNCH ROUND
TU-BPBRO



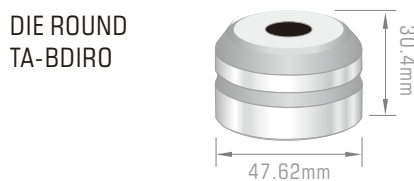
PUNCH SHAPE
TU-BPB**



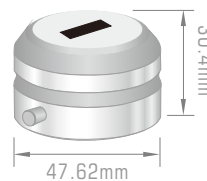
STRIPPER ROUND
TU-BSTRO



STRIPPER SHAPE
TU-BST**

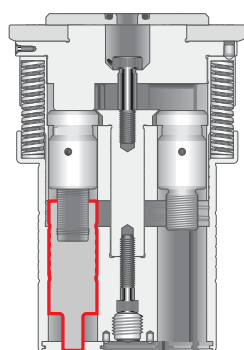
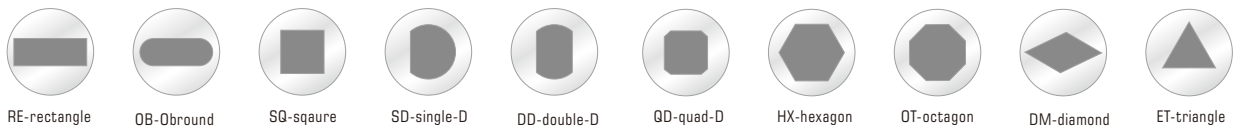


DIE ROUND
TA-BDIRO

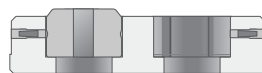


DIE SHAPE
TA-BDI**

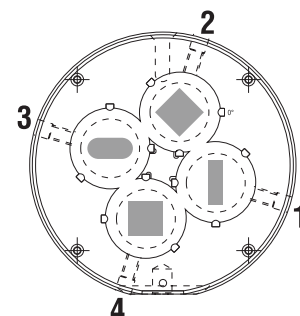
STANDARD SHAPES



PUNCH HOLDER



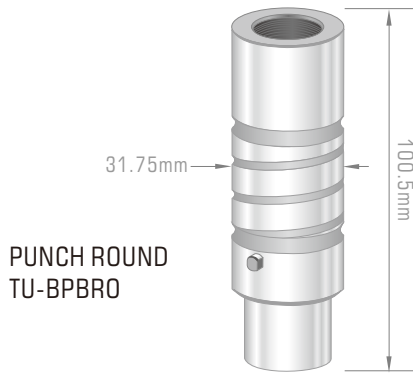
DIE HOLDER



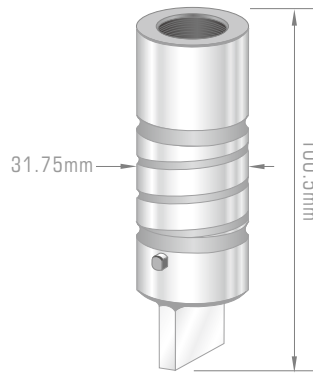
TOP VIEW OF DIE HOLDER

Description	Suitable with below holders	A Dimension
It's a tool which expands the capacity of any one station of a CNC press by allowing more than one punch and die set to be placed in a particular machine station.	Mate Precision Tooling MTE4, ultra IMT3, ultra MT3	 Max, 31.7mm

XMTE6- 31.7mm

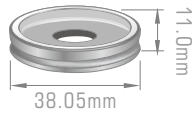


PUNCH ROUND
TU-BPBRO

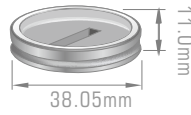


PUNCH SHAPE
TU-BPB**

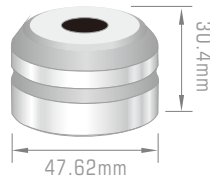
STRIPPER ROUND
XMT-6STRO



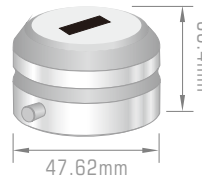
STRIPPER SHAPE
XMT-6ST**



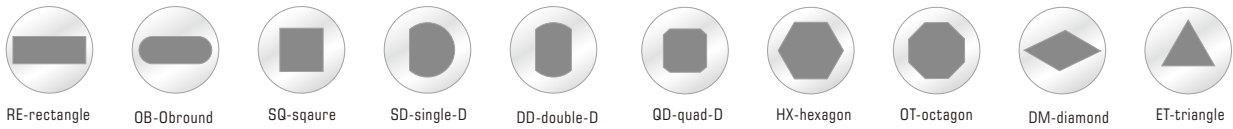
DIE ROUND
TA-BDIRO



DIE SHAPE
TA-BDI**



STANDARD SHAPES



RE-rectangle

OB-obround

SQ-square

SD-single-D

DD-double-D

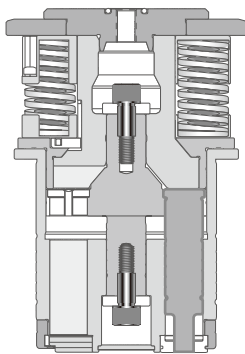
QD-quad-D

HX-hexagon

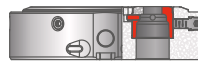
OT-octagon

DM-diamond

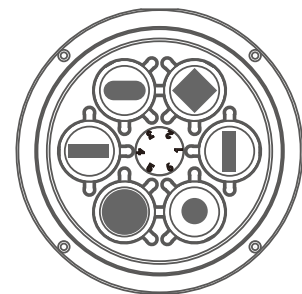
ET-triangle




PUNCH HOLDER



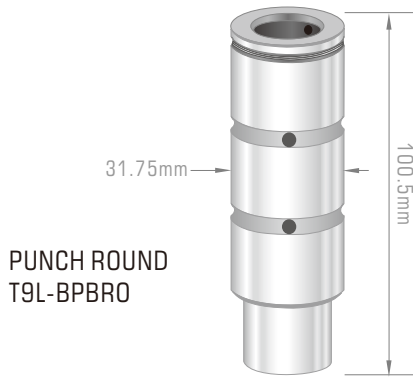
DIE HOLDER



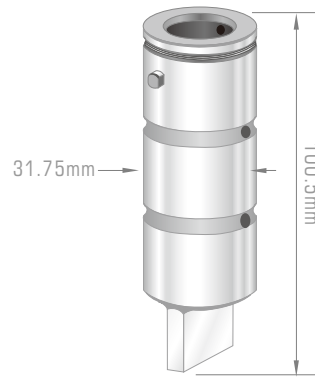
TOP VIEW OF DIE HOLDER

Description	Suitable with below holders	A Dimension
<p>It's a tool which expands the capacity of any one station of a CNC press by allowing more than one punch and die set to be placed in a particular machine station.</p>	<p>Mate Precision Tooling XMTE6</p>	 <p>Max, 31.7mm</p>

MTX3Ri

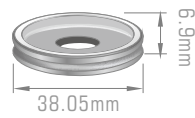


PUNCH ROUND
T9L-BPBRO

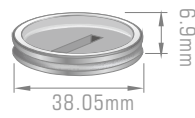


PUNCH SHAPE
T9L-BPB**

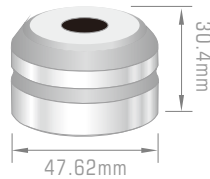
STRIPPER ROUND
T9-BSTRO



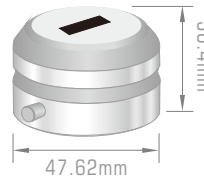
STRIPPER SHAPE
T9-BST**



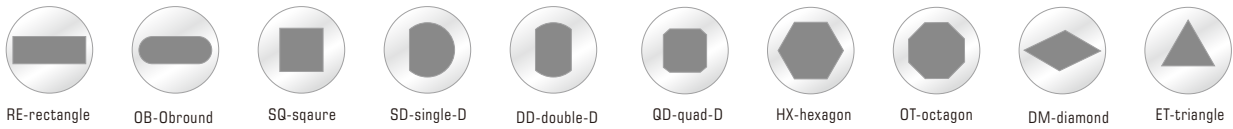
DIE ROUND
TA-BDIRO



DIE SHAPE
TA-BDI**



STANDARD SHAPES



RE-rectangle

OB-obround

SQ-square

SD-single-D

DD-double-D

QD-quad-D

HX-hexagon

OT-octagon

DM-diamond


ET-triangle

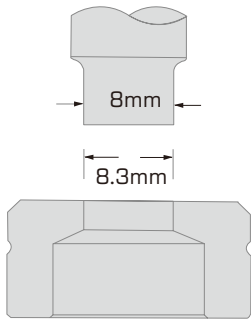


PUNCH HOLDER



DIE HOLDER

Description	Suitable with below holders	A Dimension
It's a tool which expands the capacity of any one station of a CNC press by allowing more than one punch and die set to be placed in a particular machine station.	WILSON MTX3Ri	 Max,A:31.7mm



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



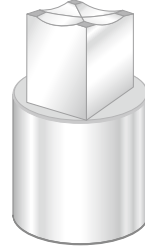
ROOFTOP



INVERT ROOFTOP

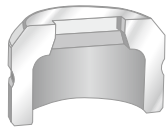


CONCAVE

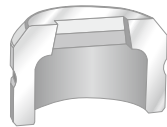


4-WAY

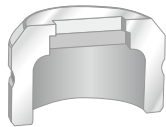
DIE TYPE



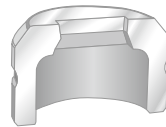
STANDARD



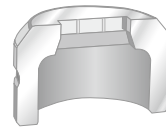
POSITIVE



STEP



ANTI SLUG 1



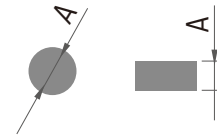
ANTI SLUG 2

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

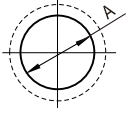
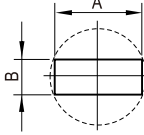
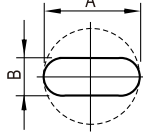
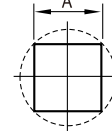
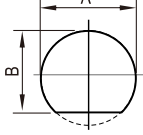
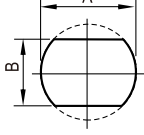
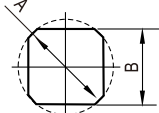
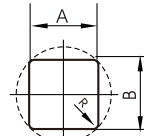
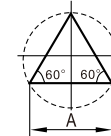
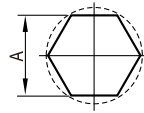
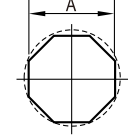
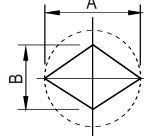
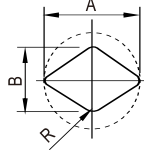
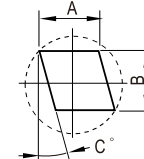
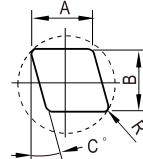
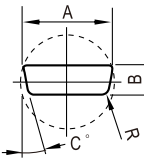
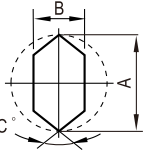
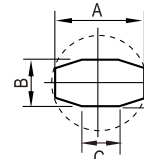
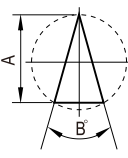
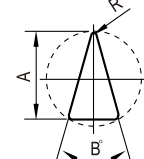
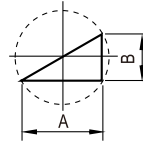
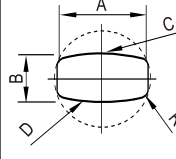
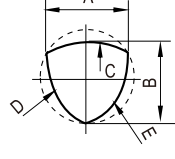
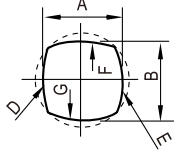
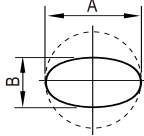
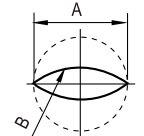
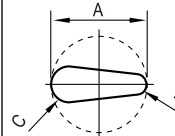
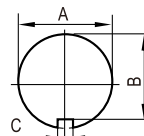
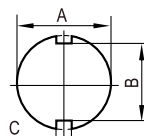
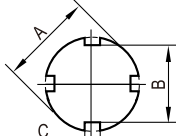
Eg, T= 1.5mm
 In mild steel Min A= 1.5
 In Aluminium Min A= 1.5
 In Stainless steel Min A= 3.0

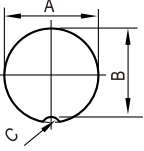
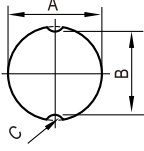
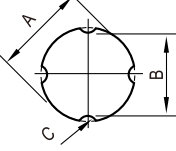
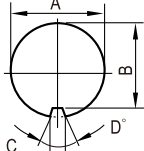
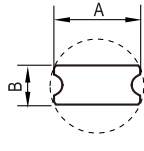
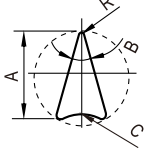
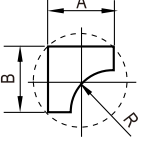
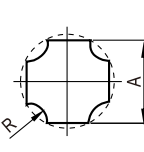
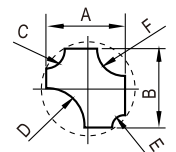
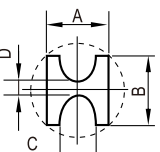
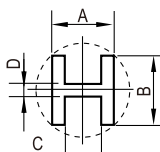
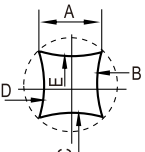
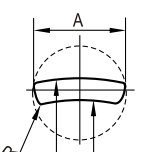
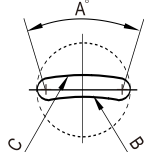
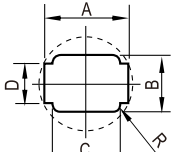
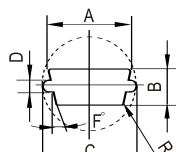
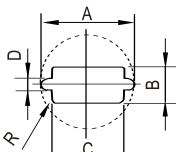
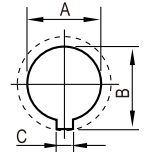
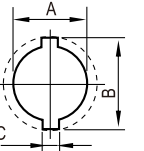
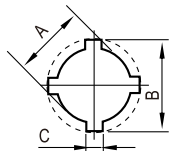
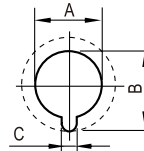
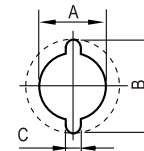
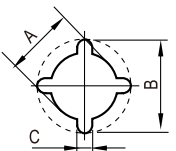
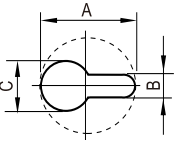
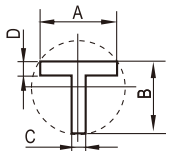
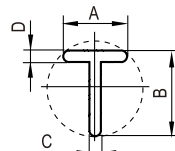
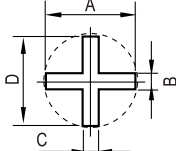
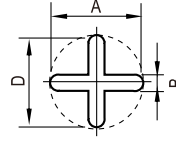
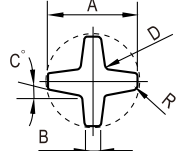


Maximum allowable tonnage & tool punch size

	Tool size	A (1/2")				B (1 1/4")			
		Original style		Air-Blow		Original style		Air-Blow	
	Type	60 kN (6 ton)		45 kN (4.5 ton)		170 kN (17 ton)		160 kN (16 ton)	
	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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