



## Tooling for Euromac<sup>®</sup> Multi Tools

XMT™ 12.7A & 24A ADJUSTABLE PUNCH FOR FMTE 6 & 10

XMT™ 12.7 & 24 STANDARD PUNCH FOR FMTE 6 & 10

ULTRA TEC<sup>®</sup> SYSTEM FOR FMTE 4

Mate XMT™ tooling is the world's only tooling designed specifically for Euromac™ punch presses. Mate's status as OEM for Euromac makes XMT tooling the only way to take full advantage of the capabilities of the Euromac FMTE6 and FMTE10 multi tool punch holders. In addition to XMT tooling, Mate offers our high performance Ultra TEC® tooling for use in Euromac's FMTE4 multi tool punch holders.

### MATE XMT PUNCH FEATURES FOR FMTE6 & FMTE10:

- Premium high speed tool steel for exceptional interval between regrinds.
- 1/4 degree back taper and near polished flanks reduce friction and eliminate galling.
- Minute corner radii to reduce chipping.
- Hardened and ground D-shaped pin for precise punch orientation.
- SuperMax™ and Maxima™ coatings and Nitride treatment available for extreme applications.

### MATE XMT12.7A/XMT24A PUNCH FEATURES FOR FMTE6 & FMTE10:

- Adjustable punch length. Simply rotate the punch head for up to three times the grind life!\*
- Punch head that is made from durable tool steel for toughness and long life, with an integral lug for precise orientation.
- XMT12.7A — one rotation = 0.049(1.25) length; adjustment possible in lesser increments.
- XMT24A — one rotation = 0.039(1.00) length; adjustment possible in lesser increments.
- Compatible with Euromac FMTE6 and FMTE10\*\* Multi-Tools.

### MATE ULTRA TEC® PUNCHES FOR FMTE4:

- Premium high speed tool steel for exceptional interval between regrinds.
- 1/4 degree back taper and near polished flanks to reduce friction and eliminate galling.
- Minute corner radii to reduce chipping.
- Hardened and ground D-shaped pin for precise punch orientation.

### MATE XMT STRIPPERS:

- Hardened for less wear and resistance to punch galling.
- Tight clearance for better punch guiding: 0.0017(0.04) for shapes, 0.0025(0.06) for rounds.

### MATE SLUG FREE® DIES

- Highly wear resistant, chrome air hardened tool steel with optimum balance between hardness and toughness.
- Slug Free® die geometry eliminates slug pulling.
- Uniform clearance radii in die corners to improve piece part quality.
- Shaped dies keyed. 0.059(1.50) grind life, with shims also available.
- Superior roundness and flatness with exceptional die strength.

\* Grind life up to 0.35(9.00). Actual grind life may vary, and depends on type of material and material thickness punched.

\*\* Newer Euromac FMTE10 Multi Tools (those manufactured June 2012 or later). In older FMTE10 models XMT12.7A is compatible with 4 keyed stations only.

**Call your Mate Customer Service Representative for more information.**



**XMT 12.7 & 24**



**XMT 12.7A & 24A**



**ULTRA TEC®**



**EUROMAC®**

### STANDARD SHAPES (NUMBERING INDICATES SHAPE CODE):



rectangle square quad "D" round hexagon octagon oval single "D" double "D" triangle diamond




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[Dimensions in Inches (mm)]



<b>FMTE6 &amp; FMTE10</b>		<b>XMT12.7MM</b> (NON-ADJUSTABLE) 	<b>XMT12.7A</b> (ADJUSTABLE) 
	Maximum Diagonal	0.500(12.70)	0.500(12.70)
	<b>PUNCH</b>		
	Round	<b>PAXA0A</b>	<b>PLXA0A</b>
	Shape	<b>PAXA_A</b>	<b>PLXA_A</b>
	<b>STRIPPER</b>		
	Round	<b>S6XA0A</b>	<b>S6XA0A</b>
	Shape	<b>S6XA_A</b>	<b>S6XA_A</b>
	<b>SLUG FREE® DIE</b>		
	Round	<b>DOXA00</b>	<b>DOXA00</b>
	Shape	<b>DOXA_0</b>	<b>DOXA_0</b>
	<b>SHIMS</b>		
		<b>MATE01130</b> 8 Each; 0.004(0.10); 0.008(0.20) 0.006(0.15); 0.020(0.51)	<b>MATE01130</b> 8 Each; 0.004(0.10); 0.008(0.20) 0.006(0.15); 0.020(0.51)
	<b>PUNCH HEADS</b>		
		<b>MATE02081</b>	

<b>FMTE6 &amp; FMTE10</b>		<b>XMT24MM</b> (NON-ADJUSTABLE) 	<b>XMT24A</b> (ADJUSTABLE) 
	Maximum Diagonal	0.945(24.00)	0.945(24.00)
	<b>PUNCH</b>		
	Round	<b>PAXZ0A</b>	<b>PLXZ0A</b>
	Shape	<b>PAXZ_A</b>	<b>PLXZ_A</b>
	<b>STRIPPER</b>		
	Round	<b>S6XZ0A</b>	<b>S6XZ0A</b>
	Shape	<b>S6XZ_A</b>	<b>S6XZ_A</b>
	<b>SLUG FREE® DIE</b>		
	Round	<b>DOXZ00</b>	<b>DOXZ00</b>
	Shape	<b>DOXZ_0</b>	<b>DOXZ_0</b>
	<b>SHIMS</b>		
		<b>MSFZ</b>	<b>MSFZ</b>
	<b>PUNCH HEADS</b>		
		<b>MATE01901</b> <b>MATE01966</b> (Pack of 6)	

<b>FMTE4 ONLY</b>		<b>ULTRA TEC®</b> (NON-ADJUSTABLE) 	<b>GENERAL ADD-ONS</b>			
	Maximum Diagonal	1.250(31.70)	RADIUS CORNER no charge			
	<b>PUNCH</b>			SPECIAL ANGLE SETTINGS Add punch and die		
	Round	<b>PAUB0A</b>	SMALL DIAMETER ROUND TOOLS			
	Shape	<b>PAUB_A</b>	Diameter: 0.031(0.79) to 0.061(1.55)	Add	to punch, stripper, and die	
	<b>STRIPPER</b>			Diameter: 0.062(1.56) to 0.092(2.34)	Add	to punch, stripper, and die
	Round	<b>S6XB0A</b>	NARROW WIDTH SHAPED TOOLS			
	Shape	<b>S6XB_A</b>	Widths under 0.125(3.18)	Add	to punch, stripper, and die	
	<b>SLUG FREE® DIE</b>			SUPERMAX™		
	Round	<b>DOAB00</b>	XMT™ 12.7mm and 24mm	Add	to punch	
	Shape	<b>DOAB_0</b>	Ultra TEC®	Add	to punch	
	<b>SHIMS</b>			MAXIMA® OR NITRIDE		
		<b>MSAB</b> 3 Each: 0.016(0.41), 0.032(0.82) 0.048(1.20)	XMT™ 12.7mm and 24mm	Add	to punch	
			Ultra TEC®	Add	to punch	

[Dimensions in Inches (mm)]

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## **MATE PRECISION TECHNOLOGIES** GLOBAL COVERAGE

### **WORLDWIDE HEADQUARTERS:**

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*Prices subject to change without notice*