



Multi Tool Systems

ULTRA[®], ULTRA[®] UMT & ULTRA[®] IMT
FOR THICK TURRET



Headquartered in Anoka, Minnesota, in a 300,000 sq. ft. (28,000m²) state-of-the-art facility.

SEVEN DECADES OF EXCELLENCE

Founded in 1962, Mate is a world-class manufacturer of superior solutions for the metal cutting and metal forming industries. We manufacture workholding systems, CNC punch press tooling, and offer a complete line of press brake tooling and laser consumables. Mate products and services are available worldwide, fully supported by more than 80 dealers in every industrialized country.

PERSONAL, RESPECTFUL RELATIONSHIPS

Mate does business with people, not companies. Our connection to you is personal. Mate's team of manufacturing and metalworking professionals knows what you go through. We know what it's like to compete for that next job, manage deadlines or even need a rescue. With Mate you have a partner that respects your knowledge and is dedicated to helping you succeed.

YOUR GO-TO SOURCE

Serving our customers is at the core of who we are. In your plant or on the phone, we're up for whatever metalworking challenges you face. Your Mate representatives are experts who know from experience what happens on the shop floor and provide our legendary in-field support. They speak your language, fully capable of helping you improve processes and solve problems. Mate customer service is ready to assist with fast quotes, guiding your order on to our top-notch machinists and shipping pros.

GET INSPIRED!

With our vast knowledge and broad product range we inspire innovative thinking. Our customer's projects can be seen around the world: from unique building façades thought to be impossible to make, to a new way to add strength to thin material. The possibilities are endless, so think big, bold and beyond.

WE'VE GOT YOU COVERED

Dedicated to quality in every aspect of our business, Mate offers an extensive standard product line that can be delivered with same day or next day service. All Mate products are backed with our industry leading 100% customer satisfaction guarantee.



MATE'S MISSION AND PROMISE TO YOU:

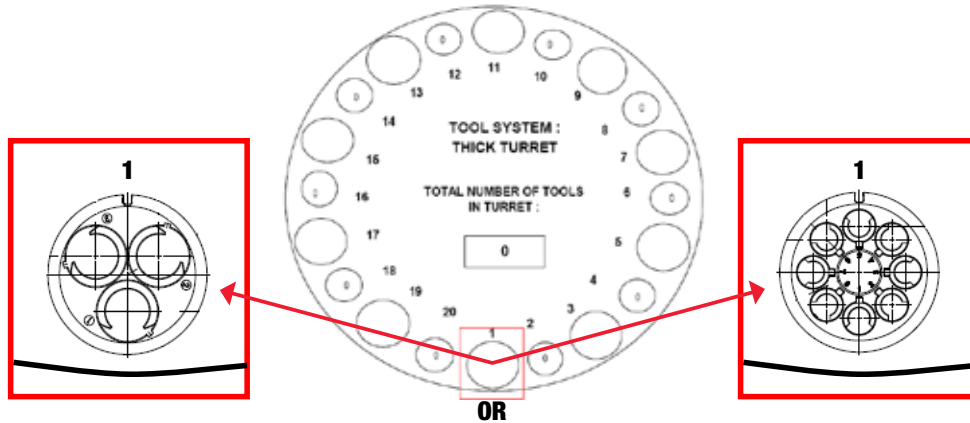
Mate's mission is to personally **Respect, Support** and **Inspire** metalworking professionals around the world with high-quality products and services for factory productivity.

[Dimensions in Inches (mm)]



Ultra®, Ultra® UMT, Ultra® IMT multi tool assemblies make full use of the advantages of Mate Ultra® QCT™ and Ultra TEC® punches, strippers and Slug Free® dies. They provide complete compatibility with existing tooling inventory for added convenience. Mate Ultra® multi tools fit into 3-1/2" D-Index stations and are available in two versions for maximum flexibility.

A multi tool allows a standard indexing D-Station in a punch press to accept 8 or 3 “mini” stations. By using just one multi tool, your 20 station punch press becomes a 22 or 27 station press, expanding your capacity much more economically than purchasing an additional machine.



MULTI TOOLS ADVANTAGES

Multi Tools add more available stations to a punch press reducing set-up and changeover time.
 Multi Tools provide a convenient way to quickly exchange/stage multiple punches, dies, strippers
 Multi Tools can either be dedicated or a drop-in style for an auto-index station
 Drop-in Multi Tools add more indexing stations to a punch press and allow a standard D Station to be used if needed
 Multi Tools can offer constant die penetration through programming adjustments:

- For the Fixed Station multi tools, punches should be ground to the same length
- Mate recommends 3mm die penetration on slug-free dies

SYSTEM FEATURES



ULTRA® TEC & ULTRA® QCT™:
 Mate ULTRA Multi Tools accept ULTRA® TEC & ULTRA® QCT™ punches for exceptional life between regrinds. Strippers are recessed for an additional 0.118(3.00) punch grind life. Slug Free® dies eliminate slug pulling and increase part quality.



QUICK TOOL CHANGE:
 The twist-lock design of the upper assembly allows tools to be changed in seconds, without the need for additional hand tools, and without the need for disassembly. Faster tool changes optimize machine productivity and efficiency.



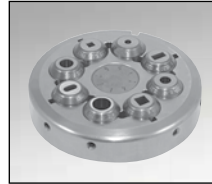
INTEGRAL PUNCH LENGTH ADJUSTMENT:
 Each punch length can be independently adjusted to ensure the precise punch-to-stripper lead is maintained for optimum punching performance across a wide range of material thickness from 0.020(0.50) to 0.236(6.00).

[Dimensions in Inches (mm)]

MATE ULTRA® MULTI TOOL 8 STATION ASSEMBLY

UPPER:
LOWER:

MATE00967	MATE00968	Achieved angles: Stations 1, 3, 5, 7: Rounds only Stations 2, 4, 6, 8: 0°, 90°, 225°
	MATE01764	Achieved angles: Station 1, 3, 7: 90° Station 2, 4, 6, 8: 0°, 90°, 225° Station 5: Rounds Only
	for Danobat machines (more slots).	

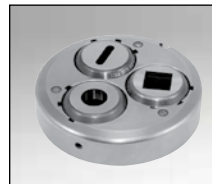

SPECIFICATIONS:

Punch point range:	0.020(.80) to 0.618(15.70)
Tooling:	Ultra® TEC® & Ultra® QCT™ 1/2" A station punches, strippers, and Slug Free® dies
Maximum tonnage:	U.S. 6 Tons - 54 kN - 5.4 Metric Tons
Max material thickness:	6mm (.236")

MATE ULTRA MULTI TOOL 3 STATION ASSEMBLY

UPPER:
LOWER:

MATE00969	MATE00970	Achieved angles: Each station: 0°, 45°, 90°
	MATE01030	Achieved angles: Station 1, 3: 0°, 90° Station 2: 0°, 315°
	for non-indexable machines.	
	MATE02371*	Achieved angles: Each station: 0°, 45°, 90°
	for Ermakson single head machines with 103 mm slug hole.	
	* if slug hole is 90mm, use MATE00970	


SPECIFICATIONS:

Punch point range:	0.020(.80) to 1.250(31.70)
Tooling:	Ultra TEC® & Ultra® QCT™ 1-1/4" B station punches, strippers, and Slug Free® dies
Maximum tonnage:	U.S. 12 Tons - 107 kN - 11 Metric Tons
Max material thickness:	6mm (.236")

PATENT INFORMATION:

US 7726554 US 8376215
US 8464928 US 8152052
CA 2664784 MX 305729
MX306976 MX305727
CN 101528427
PAT. PEND

USAGE NOTES:

Requires compatibility with machine ram and programming software.
Contact your punch press machine supplier for compatibility.
Part numbers for Multi Tool assemblies do not include punches and dies.


**3 or 8 Station
Hardened Shim**
MATE02330
[Dimensions in Inches (mm)]

MATE FULLY INDEXABLE ULTRA UMT-8A MULTI TOOL 8 STATION ASSEMBLY

UPPER: MATE02467

LOWER: MATE02463



SPECIFICATIONS

Punch point range:	.020(.51mm) to .618(15.70mm)	
Tooling:	Ultra TEC® & Ultra® QCT™ 1/2" A station punches, strippers, and Slug Free® dies.	
Maximum tonnage:	U.S. 6 Tons - 54 kN - 5.4 Metric Tons.	
Max material thickness:	6mm (.236").	
Achieved angles: (if not using a rotating ram machine)	Station 1: 90° Station 2: 135° Station 3: 180° Station 4: 225°	Station 5: 300° Station 6: 315° Station 7: 0° Station 8: 45°

MATE FULLY INDEXABLE ULTRA UMT-3B MULTI TOOL 3 STATION ASSEMBLY

UPPER: MATE02616

LOWER: MATE02455



SPECIFICATIONS

Punch point range:	.020(.51mm) to 1.250(31.70mm)	
Tooling:	Ultra TEC® & Ultra® QCT™ 1-1/4" B station punches, strippers, and Slug Free® dies. 100% Compatible with MXC, MXC ABS, Wilson HP, HP WLS/ABS B station punches.	
Maximum tonnage:	U.S. 12 Tons – 107 kN – 11 Metric Tons	
Max material thickness:	6mm (.236")	
Achieved angles: (if not using a rotating ram machine)	Station 1: 90° Station 2: 180° Station 3: 0°	

PATENT INFORMATION:

US 7726554 US 8376215
US 8464928 US 8152052
CA 2664784 MX 305729
MX306976 MX305727
CN 101528427
PAT. PEND

USAGE NOTES:

Requires compatibility with machine ram and programming software.

Contact your punch press machine supplier for compatibility.

Part numbers for Multi Tool assemblies do not include punches and dies.



**3 or 8 Station
Hardened Shim
MATE02330**

[Dimensions in Inches (mm)]

MATE ULTRA® IMT™ MULTI TOOL SYSTEMS

FOR PRIMA POWER ROTATING RAM MACHINES — 8 STATION AND 3 STATION

MATE FULLY INDEXABLE ULTRA IMT-8A MULTI TOOL 8 STATION ASSEMBLY

Ultra IMT™ 8-Station (not machine specific)

Upper: MATE01840
Lower: MATE00050

Ultra IMT™ 8-Station (machine specific uppers & lowers)

Upper Only: MATE02068 JFY MACHINES
Upper Only: MATE02007 BAYKAL MACHINES
Lower Only: MATE02060 DURMA MACHINES



SPECIFICATIONS

Punch point range:	.020(.51mm) to .618(15.70mm)
Tooling:	Ultra TEC® & Ultra® QCT™ 1/2" A station punches, strippers, and Slug Free® dies
Maximum tonnage:	U.S. 6 Tons - 54 kN - 5.4 Metric Tons.
Max material thickness:	6mm (.236")

The fully indexable Ultra IMT™ 8-Station multi tool works with Ultra TEC® and Ultra®QCT™ A Station punches, strippers and Thick Turret Slug Free® dies up to a maximum punch diagonal of .618" (15,70 mm). The multi tool accepts 8 "mini" stations. All fully indexable multi tools can achieve any angle setting on the workpiece.

MATE FULLY INDEXABLE ULTRA IMT-3B MULTI TOOL 3 STATION ASSEMBLY

Ultra IMT™ 3-Station (not machine specific)

Upper: MATE01850
Lower: MATE00697

Ultra IMT™ 3-Station (machine specific uppers & lowers)

Upper Only: MATE02069 JFY MACHINES
Upper Only: MATE02010 BAYKAL MACHINES
Lower Only: MATE02058 DURMA MACHINES



SPECIFICATIONS

Punch point range:	.020(.51mm) to 1.250(31.75mm)
Tooling:	Ultra TEC® & Ultra® QCT™ 1-1/4" B station punches, strippers, and Slug Free® dies
Maximum tonnage:	U.S. 12 Tons – 107kN – 11 Metric Tons
Max material thickness:	6mm (.236")

The fully indexable Ultra IMT™ 3-Station multi tool works with Ultra TEC® and Ultra®QCT™ B Station punches, strippers and Thick Turret Slug Free® dies up to a maximum punch diagonal of 1.250" (31,75 mm). The multi tool can achieve any angle setting on the workpiece.

See Ultra® IMT Product Bulletin for additional information (LIT00745)

PATENT INFORMATION:

US 7726554 US 8152052
US 8464928 US 8413561
CN 101528427 CN 101528427
MX 306976 MX 305729
CA 2664784

USAGE NOTES:

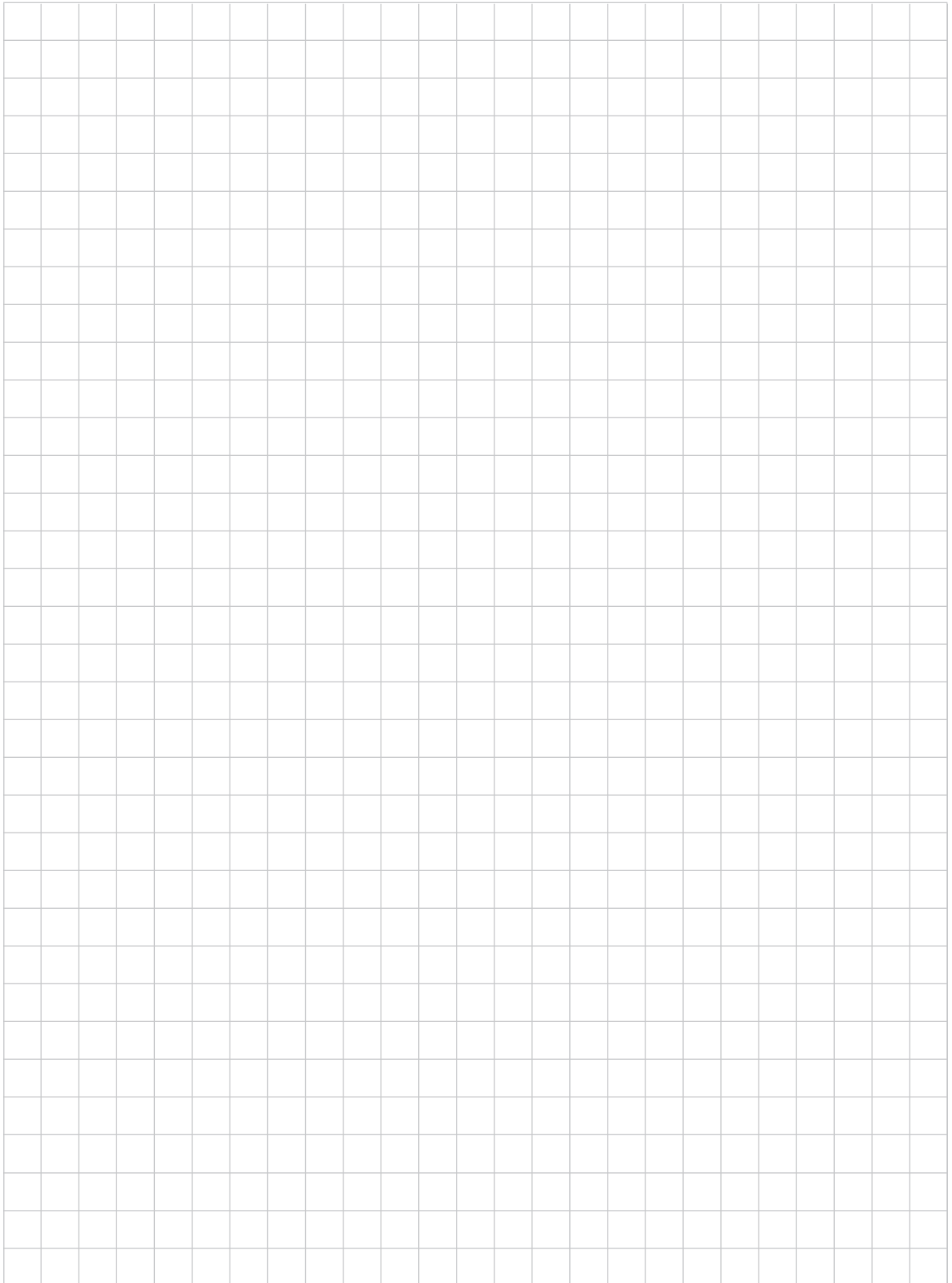
Requires compatibility with machine ram and programming software.
Contact your punch press machine supplier for compatibility.
Part numbers for Multi Tool assemblies do not include punches and dies.



3 or 8 Station Hardened Shim

MATE02330

[Dimensions in Inches (mm)]



[Dimensions in Inches (mm)]





MATE PRECISION TECHNOLOGIES GLOBAL COVERAGE

WORLDWIDE HEADQUARTERS:

1295 Lund Boulevard, Anoka, Minnesota 55303 USA
Tel +1.763.421.0230 mate.com

orders@mate.com