

Superior Solutions for Sheet Metal Fabricators

AMXX™
MATE ABS TOOLING SYSTEM



2016
PN

WORLDWIDE HEADQUARTERS:

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MATE®
M
PRECISION
TOOLING
TRUSTED | QUALITY | SERVICE | SOLUTIONS

MATE AMX™ THICK TURRET ABS TOOLING

Mate's new AMX™ Thick Turret ABS Tooling offers the superior replacement alternative fabricators have been waiting for! AMX Tooling provides 100% worry free compatibility with AMADA® ABS assemblies and holders. PLUS, you have the flexibility of using AMX punches with Mate's Ultra TEC® Tooling System. Mate incorporated advanced metallurgy and lubrication delivery systems to prevent galling, slivering, and slug pulling. As with all Mate products, AMX is backed by Best-In-Class service and our 100% Customer Satisfaction Guarantee.

AMX™ Punches

- 100% worry free compatibility with Amada assemblies.
- Holder compatible with Mate Ultra TEC® and Ultra TEC® Fully Guided systems.
- M2 High Speed Steel - OEM equivalent. Superior to other after-market replacements, M2 lasts longer between regrinds.
- Precision gun drilled ABS channels on A and B-station punches.
- Standard external spiral lubrication grooves on A & B-station punches ensures uniform fluid flow for friction free punch-to-guide operation.
- 1/4 degree total back taper reduces galling.
- Hardened pin for precise orientation of punches for improved piece part quality.
- SuperMax™ coating, Maxima™ coating and Nitride treatment available for special application needs.



AMX™ A and B-station Stripper Guides

- Available for A and B-station punches.
- Stripper opening incorporates blips for ABS compatibility.
- Fully hardened and ground for maximum precision and long life.
- Two styles:
 - Rounds, with internal keyway.
 - Shapes, with multiple precision keyways.
- Stripper relieved to allow 0.118(3,00) extra grind life.
- Rounded edges to minimize sheet marking.

AMX™ C, D, and E Strippers

- Fully compatible with AMADA ABS systems.
- Relieved to allow 0.078(2,00) extra grind life.
- Rounded edges to minimize sheet marking.
- Blips around stripper opening for ABS functionality.

STANDARD SHAPES (NUMBERING INDICATES SHAPE CODE):



[Dimensions in Inches(mm)]



MATE AMX™ THICK TURRET ABS TOOLING SYSTEM

A-STATION PUNCH

ROUND **PMXA0A**
 SHAPE **PMXA_A**

A-STATION STRIPPER GUIDE

ROUND **SMXA0A**
 SHAPE **SMXA_A**

B-STATION PUNCH

ROUND **PMXB0A**
 SHAPE **PMXB_A**

B-STATION STRIPPER GUIDE

ROUND **SMXB0A**
 SHAPE **SMXB_A**

C-E-STATION PUNCHES

ROUND **PMXCOA**
 SHAPE **PMXC_A**

ROUND **PMXDOA**
 SHAPE **PMXD_A**

ROUND **PMXEOA**
 SHAPE **PMXE_A**

C-E-STATION STRIPPERS

ROUND **SMXCOA**
 SHAPE **SMXC_A**

ROUND **SMXDOA**
 SHAPE **SMXD_A**

ROUND **SMXEOA**
 SHAPE **SMXE_A**

PUNCH HEAD ASSEMBLIES

A-STATION **XPAAMX**
 B-STATION **XPABMX**

AMX SEAL KIT*

A-STATION **MATE01880**
 B-STATION **MATE01883**

D-E STATION SLITTING SYSTEMS

D-STATION AMX Punch Insert Retainer Assembly
 E-STATION AMX Punch Insert Retainer Assembly
 D-STATION Slitting Insert with M4 Material
 E-STATION Slitting Insert with M4 Material



Add Ons for Rounds and Shapes:

Maxima™ Coating or Nitride Treatment for Punches:

| | | |
|------------|-----|----------|
| A-Station: | Add | to punch |
| B-Station: | Add | to punch |
| C-Station: | Add | to punch |
| D-Station: | Add | to punch |
| E-Station: | Add | to punch |

Narrow Width:

Round point diameter
 0.031(0.80) to 0.061(1.55): Add to punch

Round point diameter
 0.062(1.55) to 0.092(2.34): Add to punch

Shape point width
 is less than 0.079(2.00): Add to punch

Non-Standard Angle Setting:

Punches: Add to price for all stations

MATE01988

MATE01990

P4AQ_A

P4AR_A

*To make your existing Mate A & B-Station Original Style punch head assemblies ABS compatible, use this AMX Seal Kit.

[Dimensions in Inches(mm)]





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