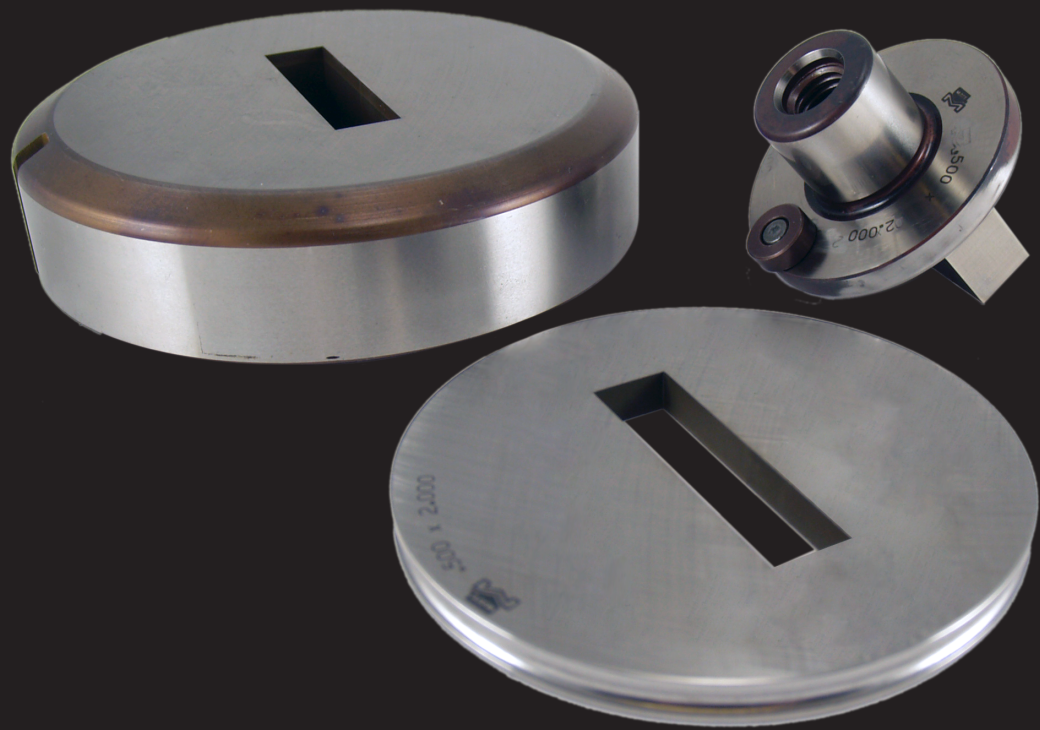


Superior Solutions for Sheet Metal Fabricators

# AMADA STYLE THIN TURRET TOOLING



PN 2011

## WORLDWIDE HEADQUARTERS:

1295 Lund Boulevard, Anoka, Minnesota 55303 USA

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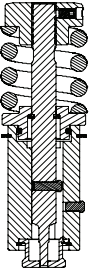
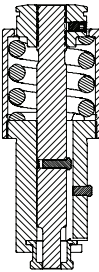
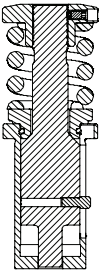
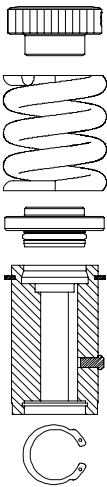

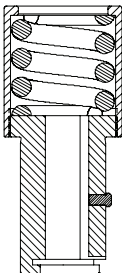
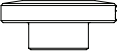




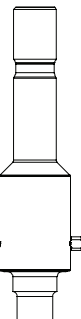

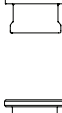
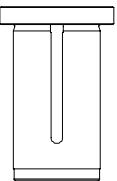
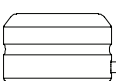
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# AMADA STYLE THIN TURRET TOOLING FOR 1-1/4" STATION

	1/2" Snap-Apart	5/8" Drop-In	1-1/4" Full Body
Upper Assembly	<p><b>Round</b></p> <p><b>Shape</b></p> 	<p><b>Round</b></p> <p><b>Shape</b></p> 	<p><b>Round</b></p> <p><b>Shape</b></p> 
Hardware	<p>Punch Head <b>MATE00393</b></p> <p>Spring <b>MATE00007</b></p> <p>Spring Retainer (with O-ring) <b>MATE00011</b></p> <p>Support Ring <b>SRI00003</b></p> <p>Guide—Round <b>MATE00014</b></p> <p>Guide—Shape <b>MATE00016</b></p> <p>Stripper Retaining Ring <b>SRI00004</b></p> 	<p>Punch Head <b>MATE00386</b></p>  <p>Canister and Guide Assembly <b>MATE00391</b></p> 	<p>Punch Head <b>MATE00388</b></p>  <p>Spring <b>MATE00007</b></p> <p>Spring Retainer (with O-Ring) <b>MATE00003</b></p>  <p>Punch Shim <b>MATE00333</b></p> 
Punch	<p>Round** <b>PCSA0A</b></p> <p>Shape** <b>PCSA_A</b></p> <p>Ring*** <b>SRI00002</b> (2 required) Maxima® Coating</p> 	<p>Round <b>PDSX0A</b></p> <p>Shape <b>PDSX_A</b></p> <p>Maxima® Coating</p> 	<p>Round <b>PBSB0A</b></p> <p>Shape <b>PBSB_A</b></p> <p>Maxima® Coating</p> 
Stripper	<p>Round** <b>SCSA0A</b></p> <p>Shape** <b>SCSA_A</b></p> 	<p>Round <b>SDSX0A</b></p> <p>Shape <b>SDSX_A</b></p> <p>Round** <b>SESX0A</b></p> <p>Shape** <b>SESX_A</b></p> 	<p>Round <b>SBSB0A</b></p> <p>Shape <b>SBSB_A</b></p> 
Die	<p>Round <b>DASB00</b></p> <p>Shape <b>DASB_0</b></p> <p>Shim Pack <b>MSAB</b></p> 		

\*\* can be used with existing 1/2" drop-in style holders.  
\*\*\* snap ring must be removed for use in Drop-In guide assembly.



[Dimensions in Inches(mm)]

# STANDARD PRODUCT FEATURES AND BENEFITS

**Punch Head**—Superior flatness for precise distribution of punching forces. Knurled edges for secure handling. Full compatibility with existing tooling inventory.

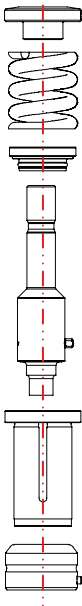
**Stripping Spring**—precise coil specification for optimum stripping performance. Shot peened surface for extended service life and maximum reliability.

**Spring Retainer**—precisely machined to seat securely on the punch shoulder to reduce punching stress and provide reliable operation.

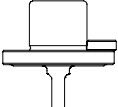


**Punch**—DuraSteel™ with superior hardness and toughness for maximum tool life. Hardened double-D key for precise orientation of shaped tools. 1/4 degree back taper and near polished punch flanks to reduce friction. Maxima® coating available for extreme applications.

**Stripper**—Hardened and ground for superior angularity and concentricity. Smooth rounded edges to eliminate sheet marking and improve piece part quality.

**Slug Free® Die**—Slug Free die geometry eliminates slug pulling to improve piece part quality and increase tool life. Highly wear-resistant tool steel provides optimum balance between hardness and toughness, for extended service life.



## AMADA STYLE THIN TURRET TOOLING FOR 3-1/2" STATION

								
DIAGONAL	SHAPE	PART NUMBER	SHAPE	PART NUMBER		SHAPE	PART NUMBER	
1.251 to 1.500	Round	PKSD0A	Round	SKSD0A		Round	DASD00	
1.501 to 2.500	Shape	PKSD_A	Shape	SKSD_A		Shape	DASD_0	
2.501 to 3.500	Round	PKSFOA				Shim Pack	MSAD	
	Shape	PKSF_A						
	Round	PKSH0A						
	Shape	PKSH_A						
Maxima® Coating								

### Add-Ons

#### GENERAL

Radius Corner	Add	25%	To punch, stripper and die
Non-Standard Straight Before Radius (SBR)	Add	25%	To punch
Special Angle Setting	Add	25%	To punch and die
Special Angle Setting	Add	25%	1/2, 5/8 and 1-1/4" stripper

#### OPTIONAL SHEAR (LIMITED OPTIONS)

Small Diameter Round Tools			
Diameter 0.031 (0.79) to 0.061 (1.55)	Add	25%	To punch, stripper and die
Diameter 0.062 (1.56) to 0.092 (2.34)	Add	10%	To punch, stripper and die

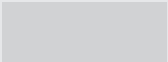





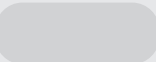




#### NARROW WIDTH SHAPED TOOLS

Widths under 0.079 (2.00)	Add	25%	To punch, stripper and die
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### Accessories

Urethane Slug Ejector—3.00mm	<b>URE40002 (12 minimum)</b>
Urethane Slug Ejector—6.00mm	<b>URE40010 (12 minimum)</b>
Snap Ring Pliers	<b>MIS61129</b>
2.5mm Hex Wrench	<b>MIS98896</b>
Medium India Oil Stone	<b>ST029807</b>
Replacement 3-1/2" punch key bushing	<b>MATE00318</b>

#### STANDARD SHAPES:

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

[Dimensions in Inches(mm)]





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## **MATE PRECISION TOOLING**

### **WORLDWIDE HEADQUARTERS:**

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**LIT00336 Rev C**