

# meaden

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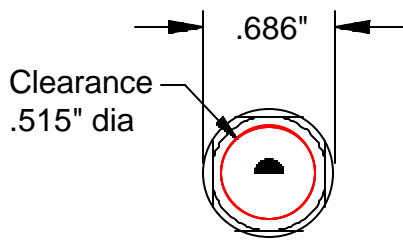
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## Special Shaped Punches & Dies

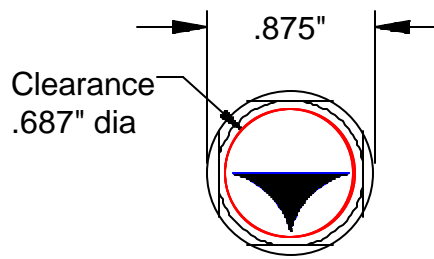
Information  
English Version



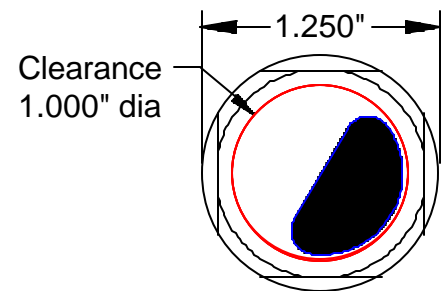
210 West 83rd Street  
Burr Ridge, Illinois 60521  
Telephone: 630/655-0888  
FAX: 630/655-3012  
Internet [www.meadenprinting.com](http://www.meadenprinting.com)



Standard  
File Hole Die



Oversize Die



Double Oversize Die

### Information Needed to Order

What press ? \_\_\_\_\_

Can a standard file hole punch and die be used ? \_\_\_\_\_

What lockdown is used ? \_\_\_\_\_

( How is the punch or die held in the ring? )

What shape will be used ? \_\_\_\_\_

( See following sample shapes )

What direction will the shape run ? \_\_\_\_\_

What is the circumference of the ring ? \_\_\_\_\_

( Is this a special pattern or repeat ? )

What material is being cut ? \_\_\_\_\_

Are the punches and dies crowned ? \_\_\_\_\_

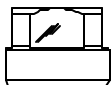
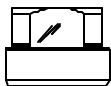
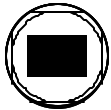
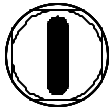
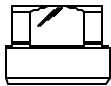
( Does the top of the punch and die need to be curved ? )

**Note ! Oversize Punches and  
Dies require special rings**

## SPECIAL SHAPES

### Special Shapes for Special Jobs for the standard file hole station

Call for Price and Delivery



Triangles

Oblongs

Rectangles

Squares

1/2 Moons

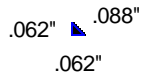
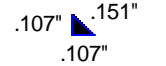
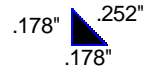
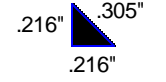
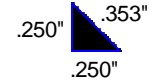
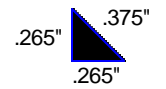
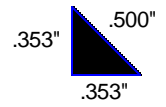
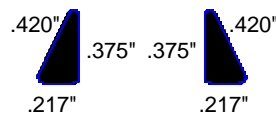
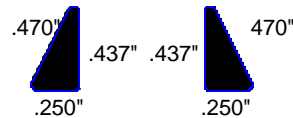
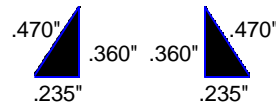
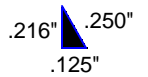
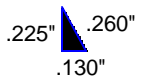
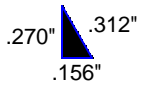
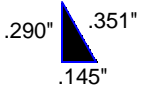
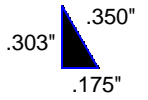
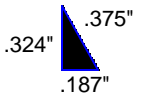
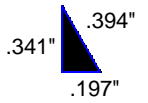
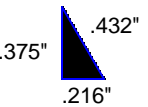
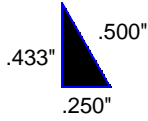
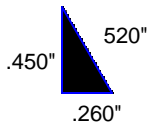
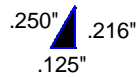
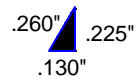
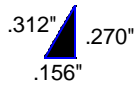
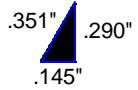
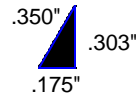
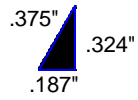
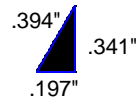
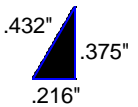
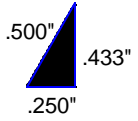
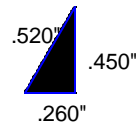
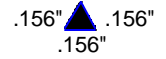
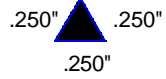
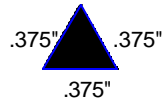
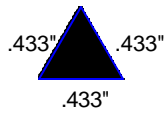
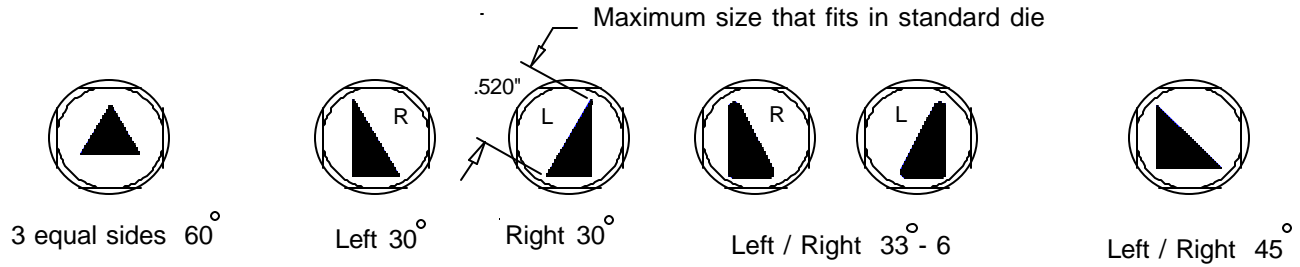
Corner Cuts

Accounting Shapes

Miscellaneous Others

## SPECIAL SHAPES

## TRIANGLES

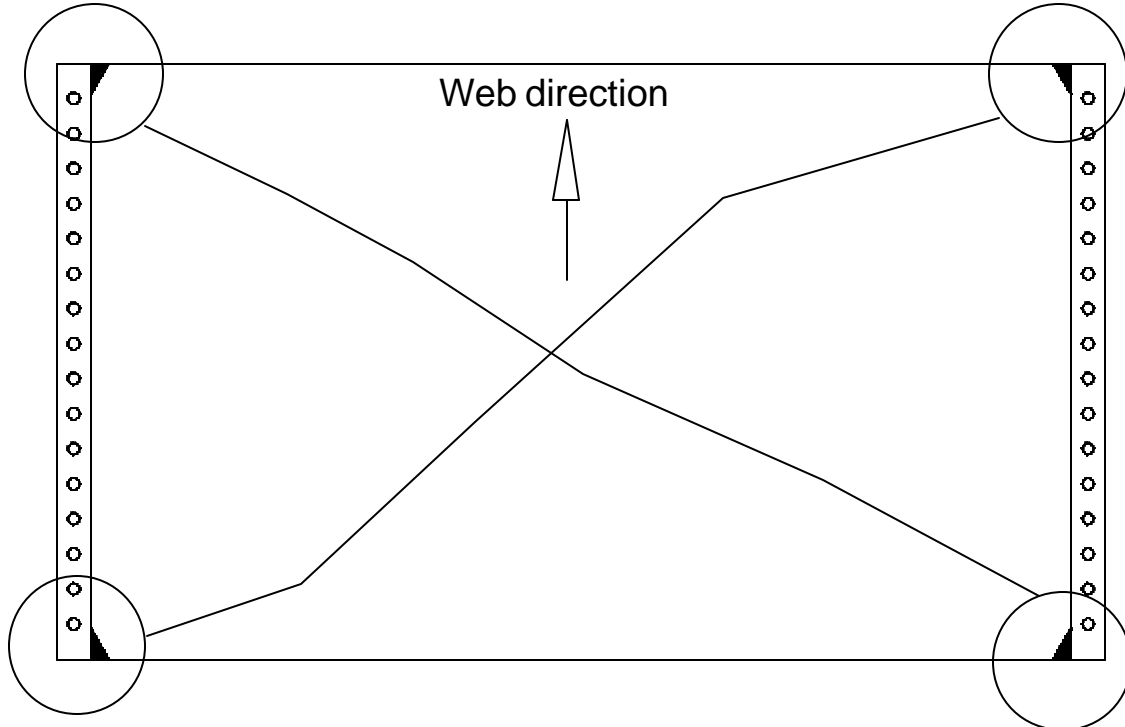


## SPECIAL SHAPES

Which triangle to order ?

Upper Left  
Lower Right

Upper Right  
Lower Left

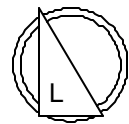
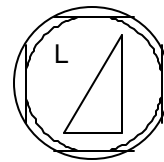
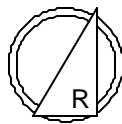
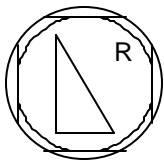


Upper Right  
Lower Left

Upper Left  
Lower Right

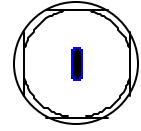
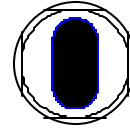
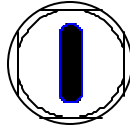
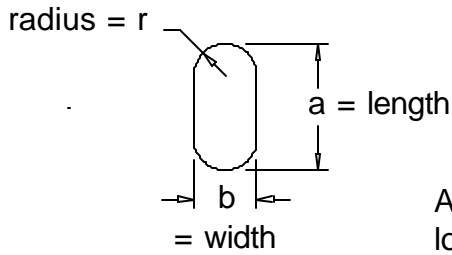
Order RD - XXX and RP - XXX

Order LD - XXX and LP - XXX

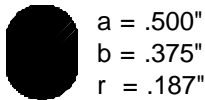


## SPECIAL SHAPES

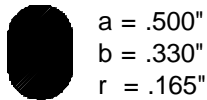
## OBLONGS



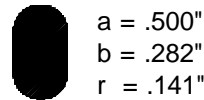
Any combination of  $a$  and  $b$  is possible as long as both  $a$  and  $b$  are each less than .520"



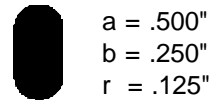
$a = .500$   
 $b = .375$   
 $r = .187$



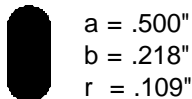
$a = .500$   
 $b = .330$   
 $r = .165$



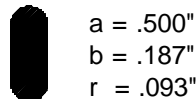
$a = .500$   
 $b = .282$   
 $r = .141$



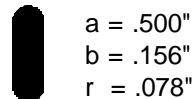
$a = .500$   
 $b = .250$   
 $r = .125$



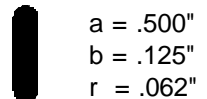
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 $b = .218$   
 $r = .109$



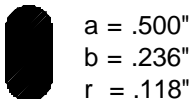
$a = .500$   
 $b = .187$   
 $r = .093$



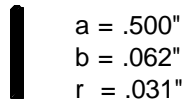
$a = .500$   
 $b = .156$   
 $r = .078$



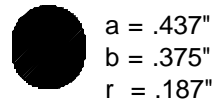
$a = .500$   
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 $r = .062$



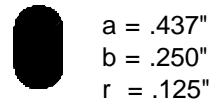
$a = .500$   
 $b = .236$   
 $r = .118$



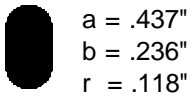
$a = .500$   
 $b = .062$   
 $r = .031$



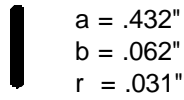
$a = .437$   
 $b = .375$   
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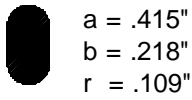
$a = .437$   
 $b = .250$   
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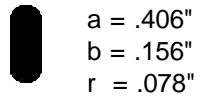
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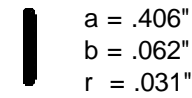
$a = .432$   
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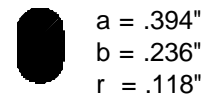
$a = .415$   
 $b = .218$   
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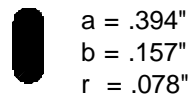
$a = .406$   
 $b = .156$   
 $r = .078$



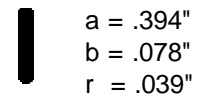
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 $b = .062$   
 $r = .031$



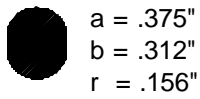
$a = .394$   
 $b = .236$   
 $r = .118$



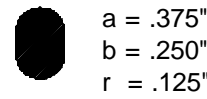
$a = .394$   
 $b = .157$   
 $r = .078$



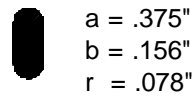
$a = .394$   
 $b = .078$   
 $r = .039$



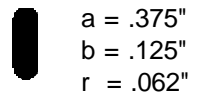
$a = .375$   
 $b = .312$   
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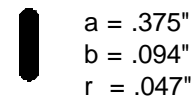
$a = .375$   
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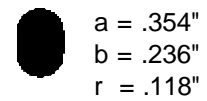
$a = .375$   
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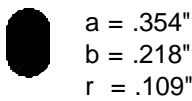
$a = .375$   
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 $r = .062$



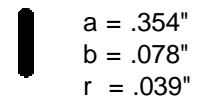
$a = .375$   
 $b = .094$   
 $r = .047$



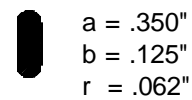
$a = .354$   
 $b = .236$   
 $r = .118$



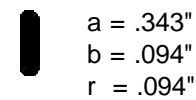
$a = .354$   
 $b = .218$   
 $r = .109$



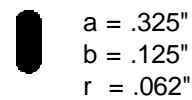
$a = .354$   
 $b = .078$   
 $r = .039$



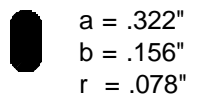
$a = .350$   
 $b = .125$   
 $r = .062$



$a = .343$   
 $b = .094$   
 $r = .094$



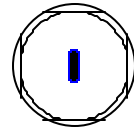
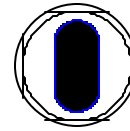
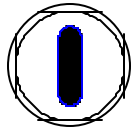
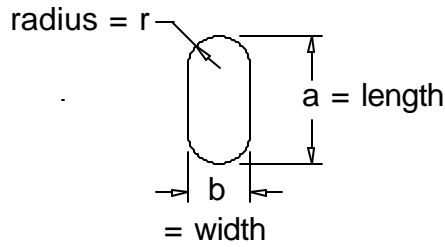
$a = .325$   
 $b = .125$   
 $r = .062$




$a = .322$   
 $b = .156$   
 $r = .078$


## SPECIAL SHAPES


## OBLONGS





Any combination of  $a$  and  $b$  is possible as long as both  $a$  and  $b$  are each less than .520"


  $a = .316"$   
 $b = .198"$   
 $r = .099"$


  $a = .315"$   
 $b = .098"$   
 $r = .049"$


  $a = .312"$   
 $b = .250"$   
 $r = .125"$


  $a = .312"$   
 $b = .187"$   
 $r = .093"$


  $a = .312"$   
 $b = .156"$   
 $r = .078"$


  $a = .312"$   
 $b = .125"$   
 $r = .062"$


  $a = .312"$   
 $b = .062"$   
 $r = .031"$


  $a = .312"$   
 $b = .046"$   
 $r = .023"$


  $a = .281"$   
 $b = .156"$   
 $r = .078"$


  $a = .276"$   
 $b = .118"$   
 $r = .059"$


  $a = .276"$   
 $b = .094"$   
 $r = .047"$


  $a = .273"$   
 $b = .093"$   
 $r = .046"$


  $a = .265"$   
 $b = .080"$   
 $r = .040"$


  $a = .250"$   
 $b = .188"$   
 $r = .094"$


  $a = .250"$   
 $b = .156"$   
 $r = .078"$


  $a = .250"$   
 $b = .125"$   
 $r = .062"$


  $a = .250"$   
 $b = .093"$   
 $r = .046"$


  $a = .250"$   
 $b = .062"$   
 $r = .031"$


  $a = .236"$   
 $b = .156"$   
 $r = .078"$


  $a = .236"$   
 $b = .078"$   
 $r = .039"$


  $a = .218"$   
 $b = .156"$   
 $r = .078"$


  $a = .218"$   
 $b = .110"$   
 $r = .055"$


  $a = .218"$   
 $b = .062"$   
 $r = .031"$


  $a = .187"$   
 $b = .093"$   
 $r = .046"$


  $a = .216"$   
 $b = .118"$   
 $r = .059"$

  $a = .200"$   
 $b = .120"$   
 $r = .060"$

  $a = .193"$   
 $b = .093"$   
 $r = .046"$

  $a = .322"$   
 $b = .156"$   
 $r = .078"$

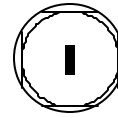
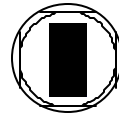
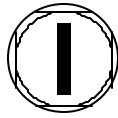
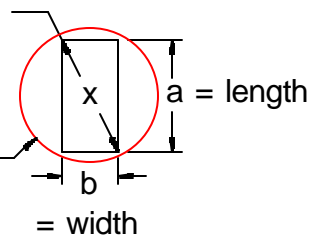
  $a = .118"$   
 $b = .078"$   
 $r = .039"$

  $a = .186"$   
 $b = .092"$   
 $r = .078"$



































## SPECIAL SHAPES

## RECTANGLES

max = .520"  
for standard  
file hole die



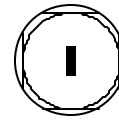
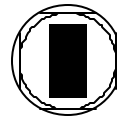
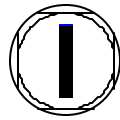
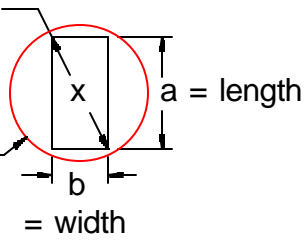
Any combination of a and b is possible as long as the diagonal x is less than .520"

a" x b"	a" x b"	a" x b"
 .406" x .312"	 .312" x .187"	 .375" x .125"
 .437" x .250"	 .236" x .177"	 .312" x .125"
 .312" x .250"	 .300" x .167"	 .265" x .125"
 .315" x .236"	 .394" x .157"	 .250" x 1.25"
 .276" x .216"	 .315" x .157"	 .156" x .125"
 .469" x .200"	 .236" x .157"	 .275" x .118"
 .458" x .200"	 .187" x .156"	 .236" x .118"
 .300" x .200"	 .187" x .140"	 .250" x .110"
 .394" x .197"	 .197" x .138"	 .156" x .109"
 .315" x .197"	 .500" x .125"	 .200" x .100"
 .437" x .187"	 .484" x .125"	 236" x .098"
 .375 x .187"		



































## SPECIAL SHAPES

## RECTANGLES

max = .520"  
for standard  
file hole die.



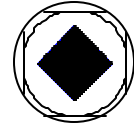
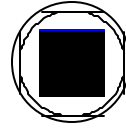
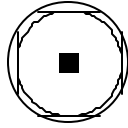
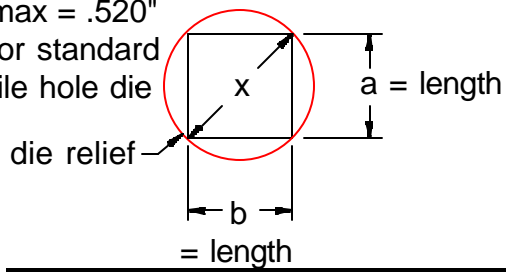
Any combination of a and b is possible as long as the diagonal x is less than .520"

a" x b"	a" x b"	a" x b"
 .205" x .098"	 .375" x .062"	 .312" x .050"
 .375" x .093"	 .312" x .062"	 .375" x .046"
 .312" x .093"	 .250" x .062"	 .281" x .046"
 .250" x .093"	 .218" x .062"	 .234" x .046"
 .240" x .085"	 .125" x .062"	 .218" x .046"
 .200" x .079"	 .375" x .059"	 .197" x .039"
 .472" x .078"	 .315" x .059"	 .187" x .039"
 .354" x .078"	 .275" x .059"	 .157" x .039"
 .315" x .078"	 .236" x .059"	 .500" x .312" with .065" R
 .236" x .078"	 .197" x .059"	 .329" x .200" with .047" R
 .177" x .074"	 .176" x .059"	
 .437" x .062"	 .157" x .059"	

## SPECIAL SHAPES

## SQUARES

max = .520"  
for standard  
file hole die



Any combination of a and b is possible as long as the diagonal x is less than .520"

■ .098" x .098"

■ .170" x .170"

■ .315" x .315"

■ .110" x .110"

■ .187" x .187"

■ .118" x .118"

■ .197" x .197"

■ .353" x .353"

■ .125" x .125"

■ .220" x .220"

■ .156" x .156"

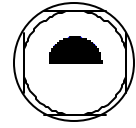
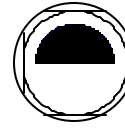
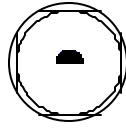
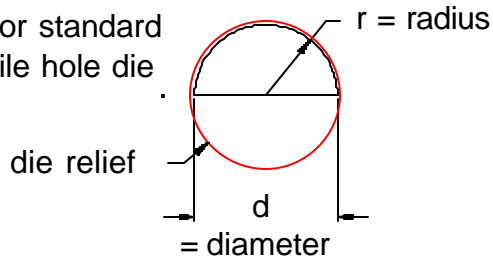
■ .250" x .250"

■ .421" x .421"  
with .125" radius

## SPECIAL SHAPES

## HALF MOONS

max = .520"  
for standard  
file hole die



Any combination of a and r is possible as long  
as a is less than .520"



d = .500"  
r = .250"



d = .375"  
r = .187"



d = .250"  
r = .125"



d = .406"  
r = .203"



d = .312"  
r = .156"



d = .187"  
r = .093"



d = .394"  
r = .197"



d = .280"  
r = .140"



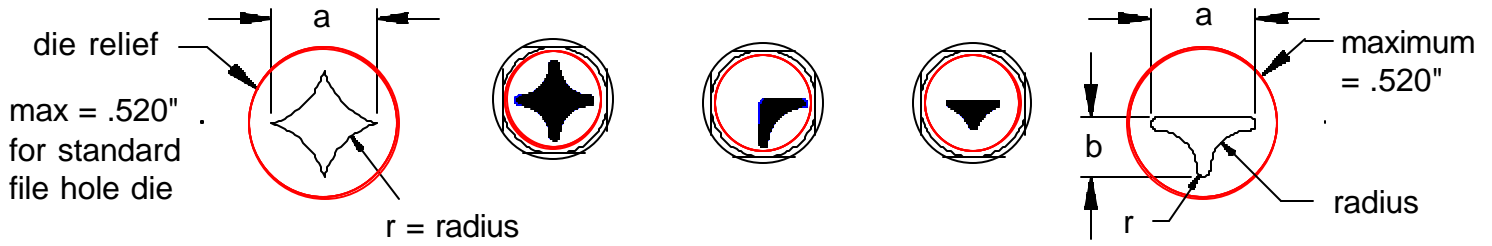
d = .125"  
r = .062"



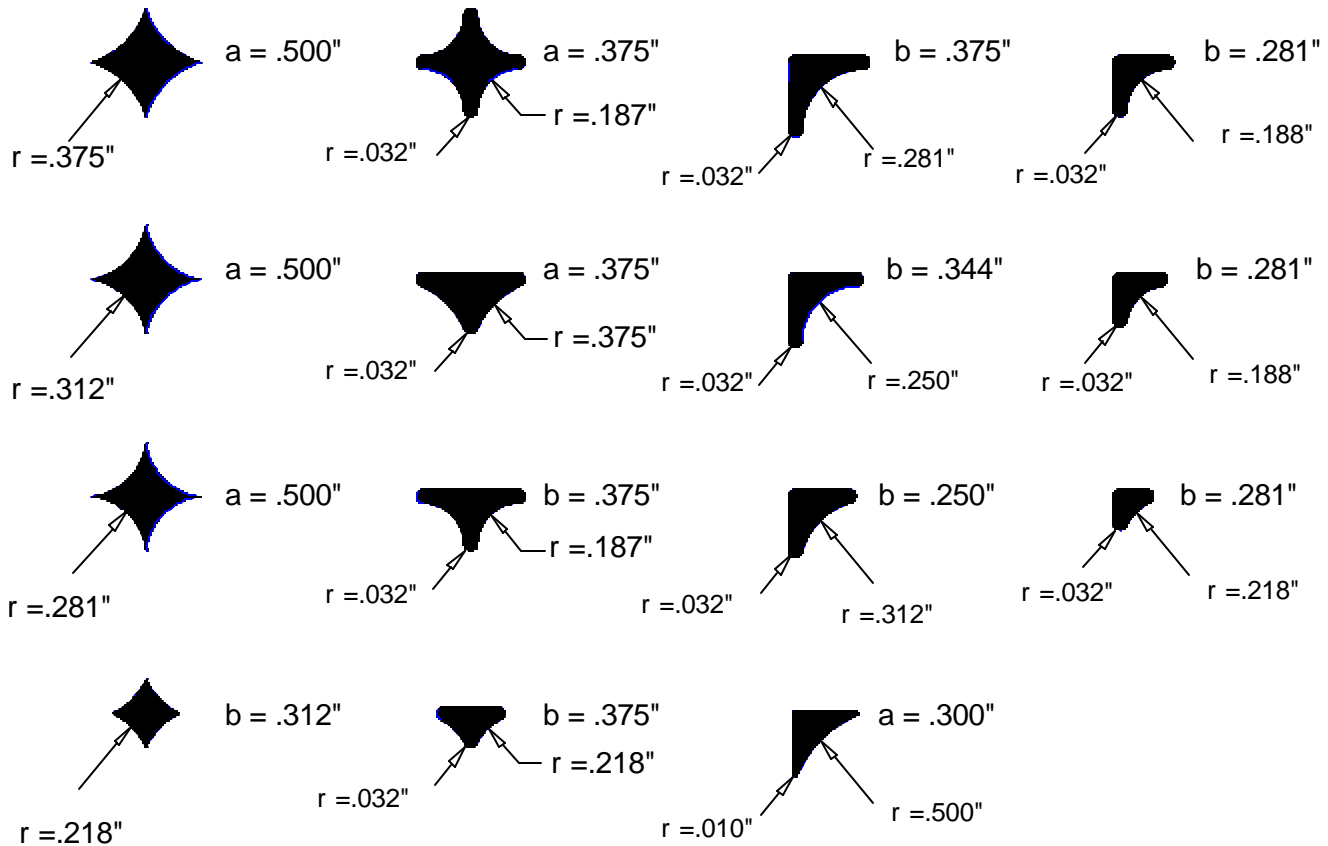
d = .156"  
r = .087"

## SPECIAL SHAPES

## CORNER CUTS



Any combination of a and r is possible as long as a is less than .520" diameter

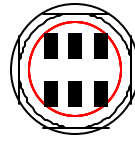
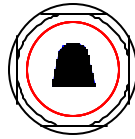
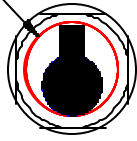


# meaden

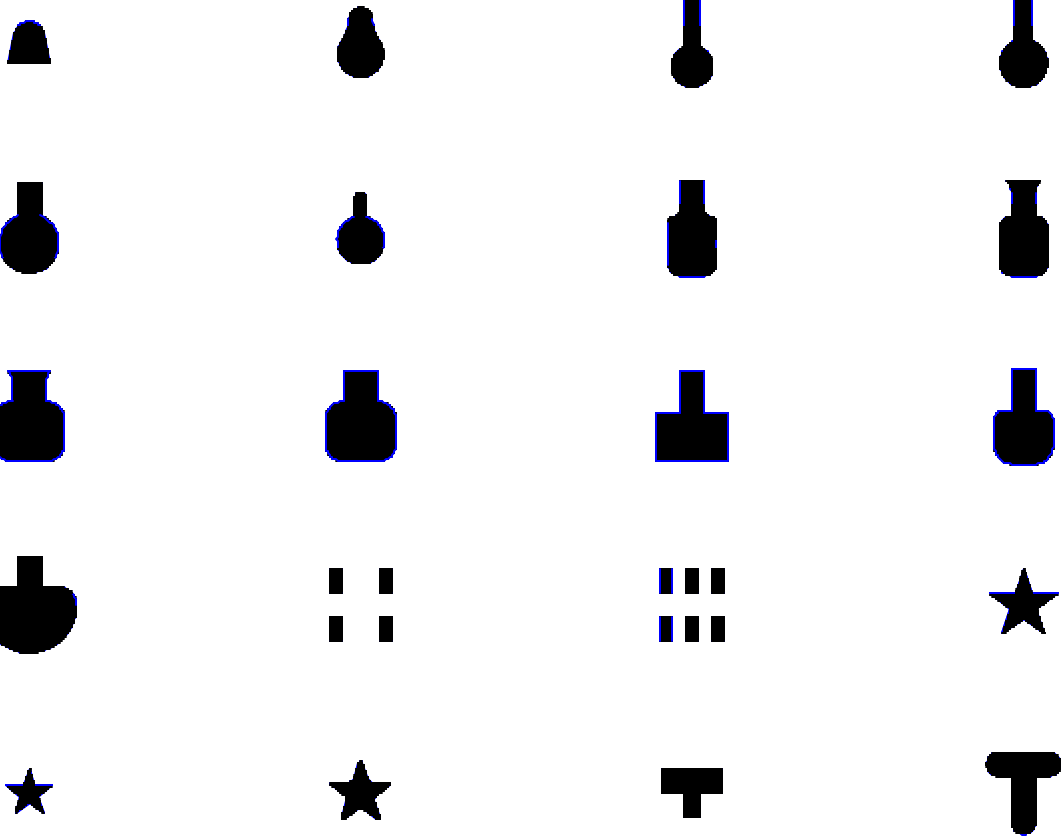
## SPECIAL SHAPES

## MISCELLANEOUS

die relief  
maximum  
=.520"



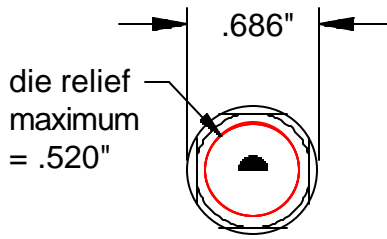
Any shape is possible as long as the  
chad can exit the bottom of the die



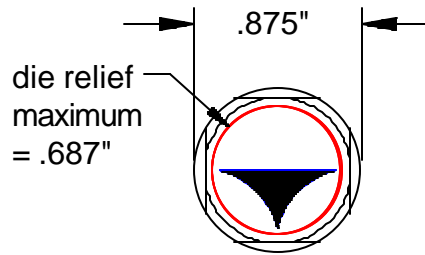
**meaden**

## SPECIAL SHAPES

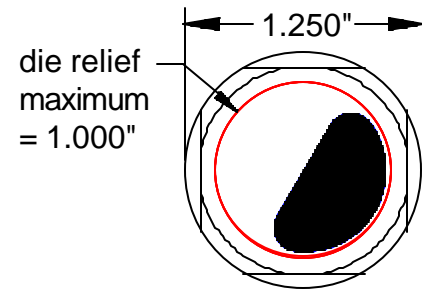
## OVERSIZE



Standard  
File Hole Die



Oversize Die



Double Oversize Die

Note ! Oversize Punches and Dies  
require a special ring

