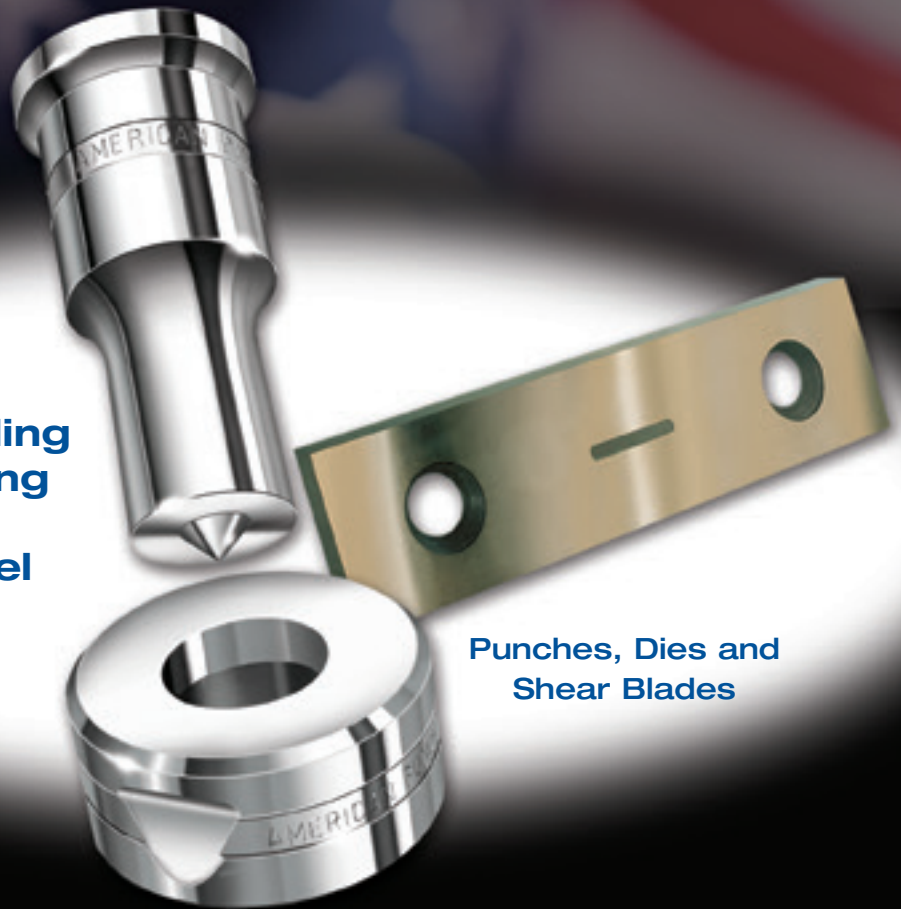




AMERICAN PUNCH COMPANY

**Ironworker Tooling
for Metalworking
and
Structural Steel
Fabrication**



**Punches, Dies and
Shear Blades**

800.243.1492

www.AmericanPunchCo.com • sales@AmericanPunchCo.com



Call us: **800.243.1492**

Email: **sales@
AmericanPunchCo.com**

Fax us: **800.261.6270**

Communication, Confidence and Trust.

AMERICAN PUNCH takes customer service very seriously. Communication is the key to great customer service.

This catalog is full of useful and helpful information however it only covers a portion of what AMERICAN PUNCH can do. More than half of our manufacturing facility is set up to make customer specific tooling, made to your specifications.

Throughout this catalog we have marked topic areas with dialog bubbles to signify that there is more to this subject with varying results by application. We would like to talk to you about your options.

Since our focus is long term growth we believe the core ingredients to all working relationships is trust and communication. This is why we encourage you to call. Nothing can replace the personal exchange of information. Many questions you have may seem complex and unusual but chances are we've seen it before and know how solve them.

Through communication we build confidence and trust.



**Quality is manufactured
into every tool.**

All of the tooling produced at American Punch Company is engineered and manufactured with great care and attention to detail. Our state-of-the-art manufacturing facility utilizes the latest in wire EDM, CNC machining centers and CNC JIG grinding that ensures accuracy for standard and made-to-order tooling.

At American Punch, we work hard to deliver the highest quality tooling possible on time. Because we're ISO certified, rigorous quality control procedures assure that our products stand up to the tough demands of all your applications. You'll not only be satisfied with the quality of our tooling, but you'll be impressed with our customer service as well!

AMERICAN PUNCH
COMPANY

TABLE OF CONTENTS

PUNCHING TIPS

Tips for the Safe, Successful Punching of Mild Steel	4
Ensuring Long Tool Life is All About Set-up!	4
Standard Clearance Recommended Between Punch and Die	4
Standard Punch Set-up	5
Common Reasons for Punch Failure	6-7
Typical Die Clearance for Punching Mild Steel	8
Required Tonnage for Punching Mild Steel with Tensile Strength of 50,000 PSI	8
How to Calculate Required Tonnage for Punching Mild Steel with Tensile Strength of 65,000 PSI	9
How to Calculate the Diagonal Dimension of a Punch	9
How to Calculate the Largest Square Size Allowed for a Punch Style	9

PUNCH OPTIONS

Standard Shapes	10
Double Body for Punching Leg Up	10
Extra Length Punches	10
Shear Face Options	10
Keyway Options	10

DIE OPTIONS

Locating Spots	11
Offset Die Positions	11
Bevel Top Dies	11

SPECIAL PURPOSE TOOLING

Lattice Bar Tooling	12
Corner Rounding Tooling	12
NOB Tooling	12
Ripping Punch	12
Eccentric (Offset) Punch	12

PRECISION TOOLING

13

IRONWORKER PUNCHES AND DIES

14-15

STOCK SIZES FOR PUNCHES AND DIES

Round	16
Oblong	17
Square	18

COUPLING NUTS

19

PUNCH STEMS

20

PUNCH & DIE HOLDERS

21

SHEAR BLADES, BAR CUTTERS, COPER & NOTCHER TOOLING

22-23

TOOLING FOR:

Angleline, Beamline & Duplicators	24-25
Buffalo™	26-27
Controlled Automation™	28-29
Edwards,™ Hawthorne™ & Pittsburgh™	30-31
Ficep™	32-35
Franklin™	36-37
Geka™	38-40
Huskie™ / Power Team™ / Porta-Punch,™ Enerpac™ & Alfra™ / Nitto Kohki™	41
HMI™, Metal Muncher™ & Clausing	42
Hill Acme™, Ironcrafter™ & Kling™	42
Kingsland™	43
Mubea™	44-45
Peddinghaus™, Ocean Clipper™ Angleline & Beamline	46-47
Peddinghaus™ Portable & Plate	48
Peddinghaus™ Steelworker	49
Piranha™	50-51
Scotchman™	52-53
Sunrise™	54-55
Spartan™	56
Uni-Hydro™, Metal-Pro™ & Iroquois™	57
Voortman™	58-59
Whitney™	60-63
36TC™ Tooling	64
44TC™ Tooling	65
100XX™ Tooling	66

Please call if your ironworker or punching machine is not listed. Chances are, we can provide you with the tooling you need!

800.243.1492

TIPS FOR THE SAFE, SUCCESSFUL PUNCHING OF MILD STEEL

Punches should wear out, they should not chip or crack. Several factors may contribute to punch chipping and cracking. Here is a simple check list that will help minimize this failure.

- 1. Loose coupling nut.** This permits the punch to “move” during the punching process. Such movement will cause uneven pressures.
- 2. Misalignment.** If the punch is not aligned to the hole in the die, non-uniform clearance will result. The effect will be uneven pressure on the face of the punch.
- 3. Improper clearance between punch and die.** The accepted standard clearance for punching mild steel that is less than 1/2" thick is 1/32" total clearance. Punching material that is 1/2" or thicker requires a clearance of 1/16". Punching mild steel that is over 3/4" thick may require even more die clearance.
- 4. Uneven stripping.** This occurs when the stripper on the machine does not **firmly** and **uniformly** hold the plate down during the “up” stroke. When this happens, the entire weight of the plate, plus the stripping strain, is concentrated on one side or edge of the punch. Under extreme conditions, as much as 1/2" of the punch may break off.

Some of these conditions that we have described can be controlled on your shop floor. However, it is our job to furnish you with the strongest punches possible. We do this by using the finest shock-resistant tool steels available, machine them to exacting tolerances, and then harden and temper them under careful metallurgical procedures.

Punches usually crack and chip when punching high strength, high tensile plates over 1/2" thick. Our engineers have developed several super tough punches which perform well under these difficult conditions.

ENSURING LONG TOOL LIFE IS ALL ABOUT SET-UP!

- Is everything tight?
- Is punch to die alignment accurate?
- Is the punch to die clearance correct for material thickness?
- Is the stripper adjusted correctly?
- Are all safety guards in place?

If you are breaking, chipping or cracking punches on a regular basis, send us the broken tools (regardless of the manufacturer), and slugs of the material being punched. We would be glad to make a recommendations that will improve the performance, and safety, in your plant.

STANDARD CLEARANCE RECOMMENDED BETWEEN PUNCH AND DIE

Standard die size is punch size plus clearance:

- For 3/16 - 1/2" material thickness, allow 1/32" total clearance**
- For 1/2 - 3/4" material thickness, allow 1/16" total clearance**
- For 3/4 - 1" material thickness, allow 3/32" total clearance**

READ AND UNDERSTAND THIS WARNING. PROTECT YOURSELF AND OTHERS WHEN OPERATING MACHINERY.

Extreme pressures are generated. Be sure that safety protection devices furnished with your machines are in place when in use. Wear safety glasses and follow all safety procedures.

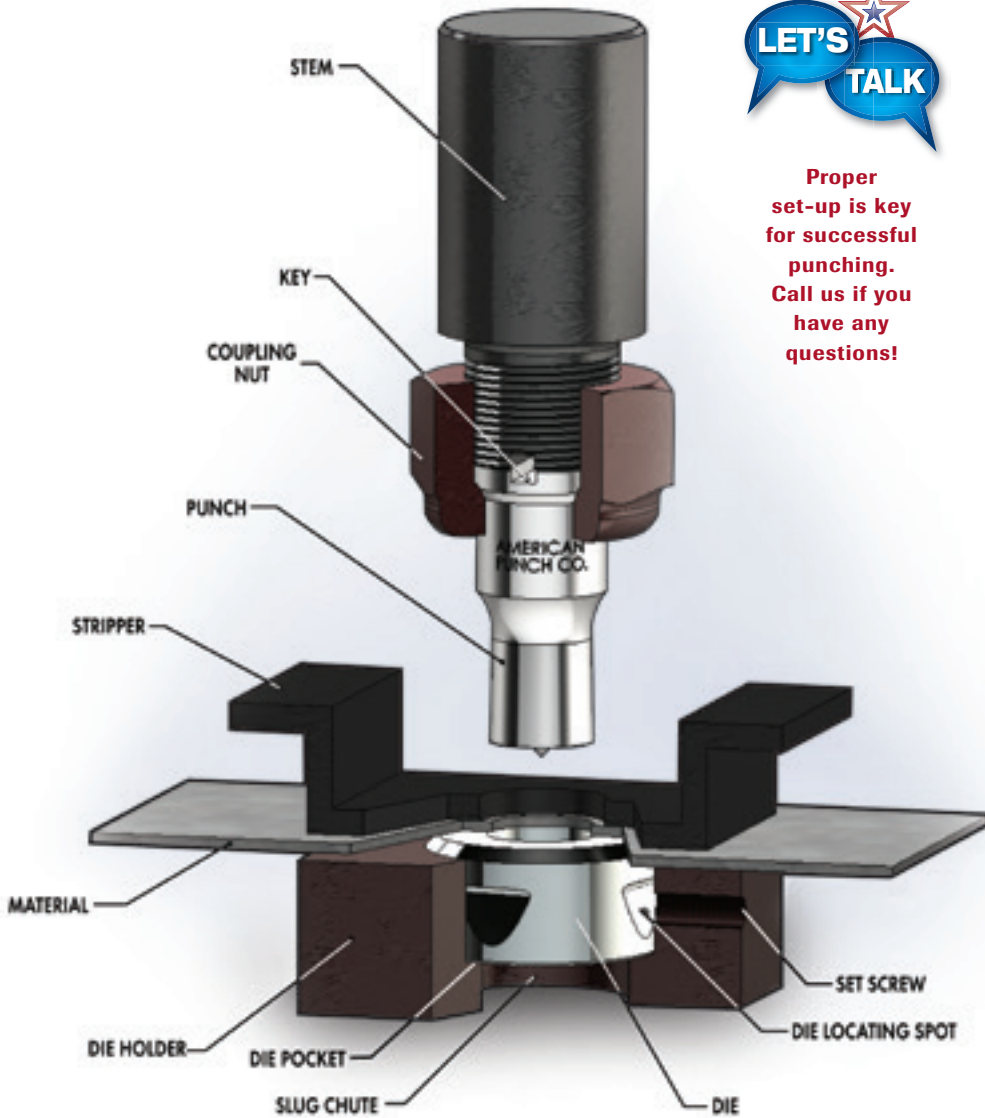
Drawings and charts are for reference only.

It is the responsibility of the user to operate machines and tooling in accordance with OSHA laws and ANSI B11.5 Safety Standards.

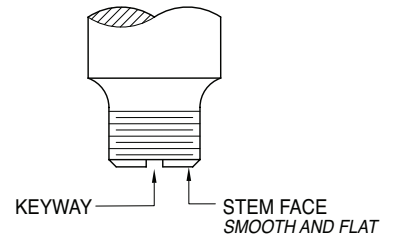
STANDARD PUNCH SET-UP



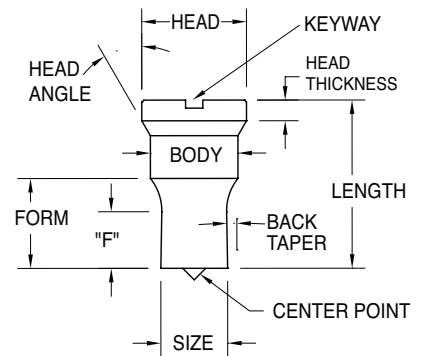
Proper set-up is key for successful punching. Call us if you have any questions!



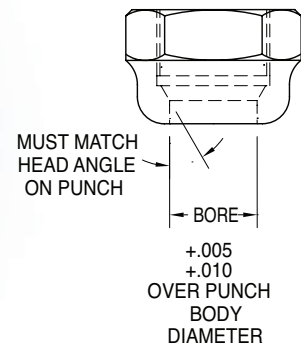
PUNCH STEM



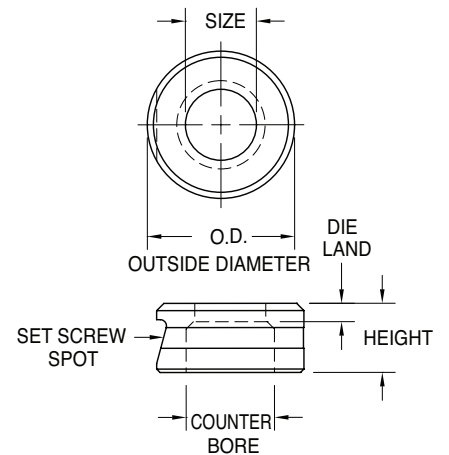
PUNCH



COUPLING NUT



DIE

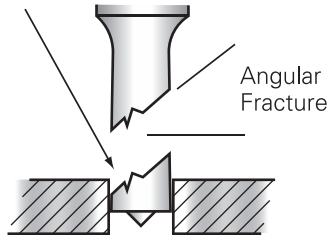


COMMON REASONS FOR PUNCH FAILURE

STRIPPING FAILURE

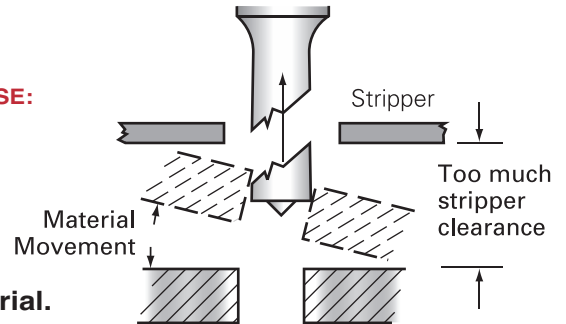
FAILURE:

A portion of the punch is broken off in the material.



PROBABLE CAUSE:

Too much stripper clearance.

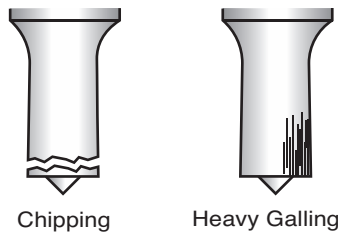


POSSIBLE SOLUTION: Adjust stripper closer to the material.

CHIPPING AND GALLING

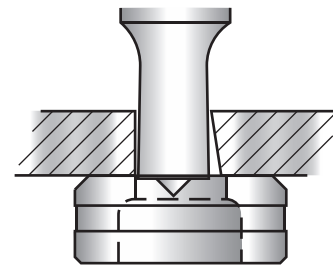
FAILURE:

Punch face chipping or heavy galling on one area of punch.



PROBABLE CAUSE:

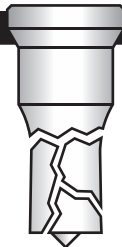
Poor alignment between punch and die, causing the punch to drag.



POSSIBLE SOLUTION: Adjust alignment between punch and die to create equal clearance all around.

COMPRESSIVE FAILURE

FAILURE: Occurs when the compressive strength of the punch has been exceeded and the entire working end shatters.

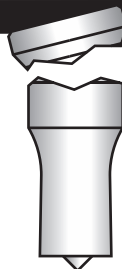


PROBABLE CAUSE: Attempting to punch extremely hard or thick materials, or complete misalignment of the punch and die.

POSSIBLE SOLUTION:
Use an "Alpha Punch" from American Punch Co.

PUNCH HEAD FAILURE

FAILURE: Punch head fractures or breaks off.



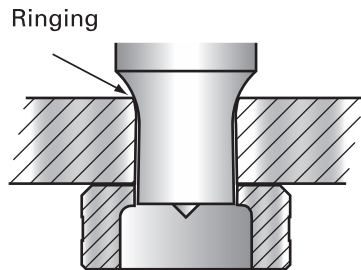
PROBABLE CAUSE: Using a loose or worn coupling nut or punch stem.

POSSIBLE SOLUTION:
Frequently check and re-tighten the coupling nut. Verify that the face of the punch stem is smooth and flat.



RINGING

FAILURE: Material being punched is deformed with each stroke of the press.



PROBABLE CAUSE: Material is thicker than the working length of the punch, or the punch is entering into the die too far.

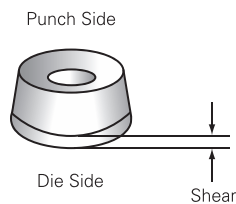
POSSIBLE SOLUTION: Adjust the stroke length to enter into the die a maximum of 1/16".

WARNING: It is the responsibility of the machine operator to use this tooling safely, in accordance with OSHA Laws and ANSI B11.5 Safety Standards.

PROPER SLUG APPEARANCE

CORRECT SETUP:

The punch side of the slug will have a center point indentation and a slight burr.



When punching mild steel 1/8" or thinner, the die side of the slug will be dished. The periphery of the slug will be shiny or sheared, for a distance of 10% to 20% of the material thickness.

FAILURE INDICATION:

Double shear indicates insufficient clearance between punch and die.



POSSIBLE SOLUTION: Increase punch to die clearance.

FAILURE INDICATION:

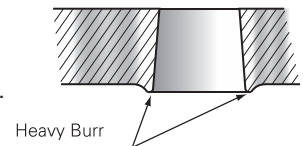
Uneven burr indicates worn tools or misalignment of punch and die.



POSSIBLE SOLUTION: Check condition and alignment of punch and die.

FAILURE INDICATION:

Heavy burr on die side of material indicates too much clearance between punch and die.



POSSIBLE SOLUTION: Decrease die clearance.

TYPICAL DIE CLEARANCE FOR PUNCHING MILD STEEL

PUNCH SIZE	MATERIAL THICKNESS					
	1/8	1/4	3/8	1/2	5/8	3/4
3/16	13/64					
1/4	17/64					
5/16	21/64	11/32				
3/8	25/64	13/32				
7/16	29/64	15/32	15/32			
1/2	33/64	17/32	17/32			
9/16	37/64	19/32	19/32	5/8		
5/8	41/64	21/32	21/32	11/16		
11/16	45/64	23/32	23/32	3/4	3/4	
3/4	49/64	25/32	25/32	13/16	13/16	
13/16	53/64	27/32	27/32	7/8	7/8	29/32
7/8	57/64	29/32	29/32	15/16	15/16	31/32
15/16	61/64	31/32	31/32	1	1	1-1/32
1	1-1/64	1-1/32	1-1/32	1-1/16	1-1/16	1-3/32
1-1/16	1-5/64	1-3/32	1-3/32	1-1/8	1-1/8	1-5/32
1-1/8	1-9/64	1-5/32	1-5/32	1-3/16	1-3/16	1-7/32
1-3/16	1-13/64	1-7/32	1-7/32	1-1/4	1-1/4	1-9/32
1-1/4	1-17/64	1-9/32	1-9/32	1-5/16	1-5/16	1-11/32
1-5/16	1-21/64	1-11/32	1-11/32	1-3/8	1-3/8	1-13/32
1-3/8	1-25/64	1-13/32	1-13/32	1-7/16	1-7/16	1-15/32
1-7/16	1-29/64	1-15/32	1-15/32	1-1/2	1-1/2	1-17/32
1-1/2	1-33/64	1-17/32	1-17/32	1-9/16	1-9/16	1-19/32

STANDARD CLEARANCE RECOMMENDED BETWEEN PUNCH AND DIE

Standard die size is punch size plus 1/32" or 1/16"

For 3/16 - 1/2" material thickness, allow 1/32" total clearance

For 1/2 - 3/4" material thickness, allow 1/16" total clearance

Over 3/4" material thickness, allow 3/32" total clearance



It is not recommended to punch material that is thicker than the diameter of your punch. Call us if you have any questions.

REQUIRED TONNAGE FOR PUNCHING MILD STEEL WITH TENSILE STRENGTH OF 50,000 PSI

MATERIAL THICKNESS	PUNCH SIZE																
	3/16	1/4	5/16	3/8	7/16	1/2	9/16	5/8	11/16	3/4	13/16	7/8	15/16	1	1-1/8	1-1/4	
3/16	.187	3	4	5	6	7	8	9	9	10	11	12	13	14	15	17	19
1/4	.250		5	6	8	9	10	11	13	14	15	16	18	19	20	23	25
3/8	.375				11	13	15	17	19	21	23	24	26	28	30	33	38
1/2	.500						20	23	25	28	30	33	35	38	40	45	50
5/8	.625								31	34	38	41	44	47	50	56	63
3/4	.750										45	49	53	56	60	68	75
7/8	.875												61	66	70	78	88
1	1.000														80	90	100

REQUIRED TONNAGE

HOW TO CALCULATE REQUIRED TONNAGE FOR PUNCHING MILD STEEL WITH TENSILE STRENGTH OF 65,000 PSI

ROUND:

Hole Size X Material Thickness X 102 = Tonnage

OBLONG:

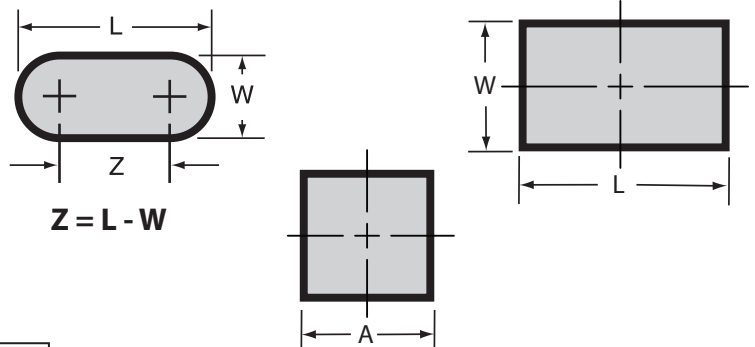
[(.63 X Z) + "W"] X Material Thickness X 102 = Tonnage

SQUARE:

A X 1.27 X Material Thickness X 102 = Tonnage

RECTANGLE:

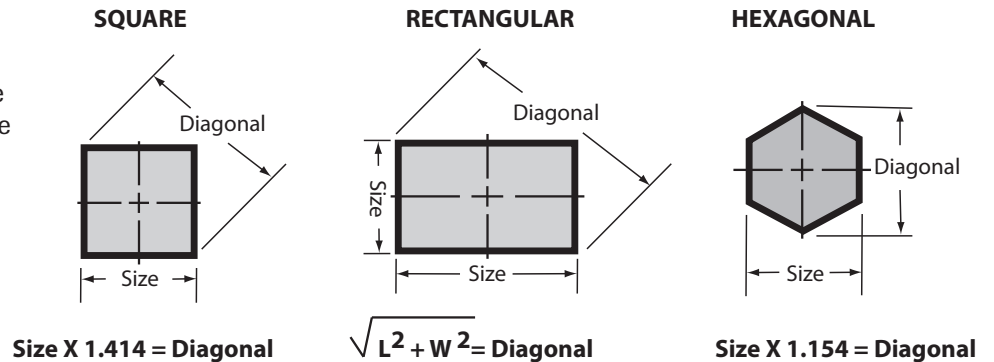
(L + W) X .64 X Material Thickness X 102 = Tonnage



For tensile strength of 75,000 exchange 102 with 118.
For tensile strength of 85,000 exchange 102 with 134.

HOW TO CALCULATE THE DIAGONAL DIMENSION OF A PUNCH

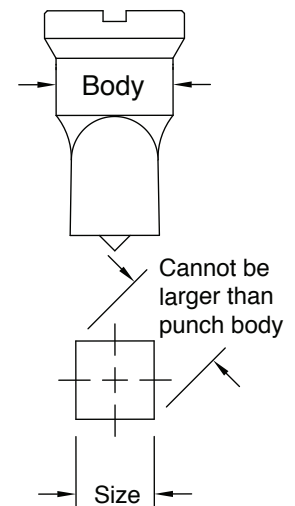
The diagonal dimension of a square, rectangular, or hex punch can not exceed the punch body or bore of the coupling nut. Here's how to determine the diagonal dimension of a punch:



HOW TO CALCULATE THE LARGEST SQUARE SIZE ALLOWED FOR A PUNCH STYLE

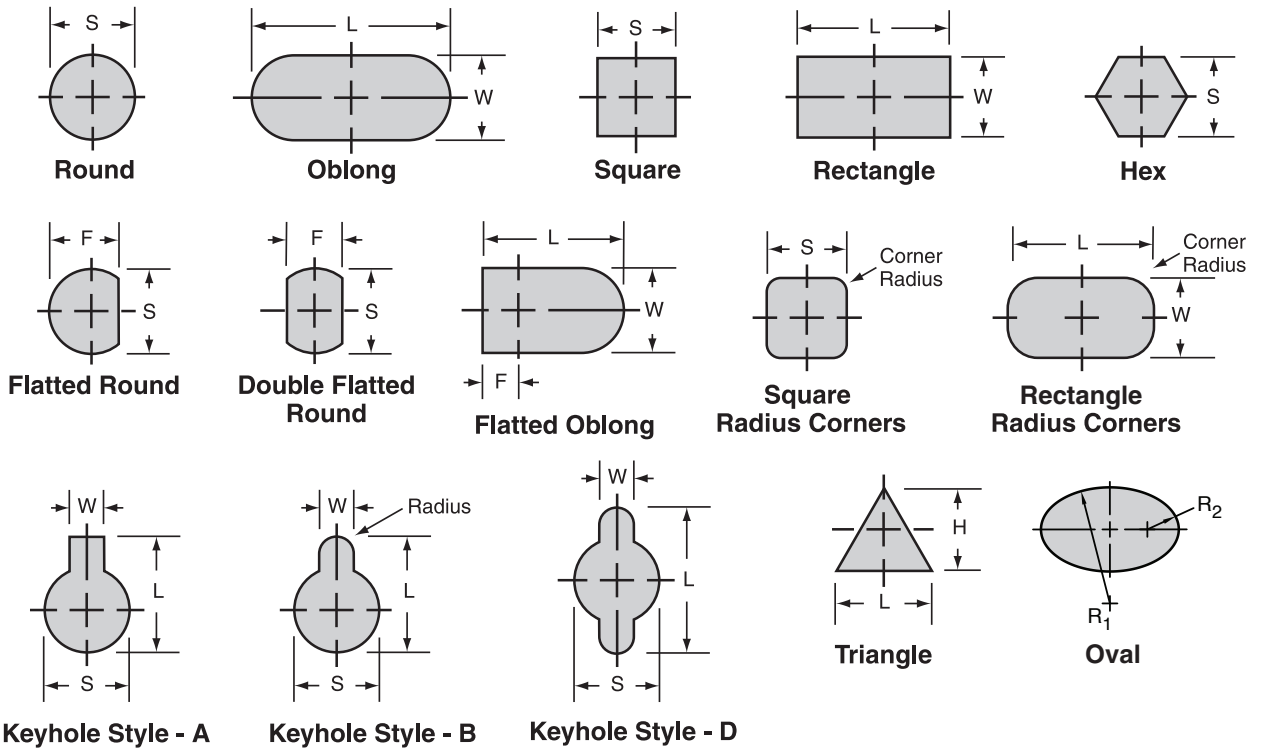
PUNCH STYLE NO.	MAX SQUARE SIZE
116	.729
119	.751
121	.861
128	1.104
164	.884
192	.662

**PUNCH BODY
DIVIDED BY 1.414 =
MAXIMUM
SQUARE SIZE**

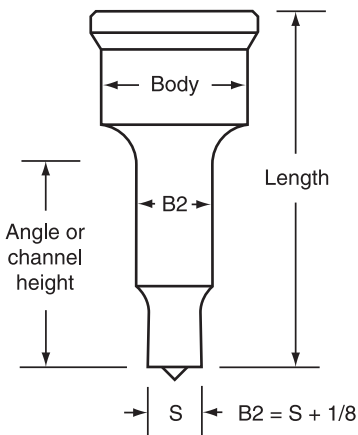


PUNCH OPTIONS

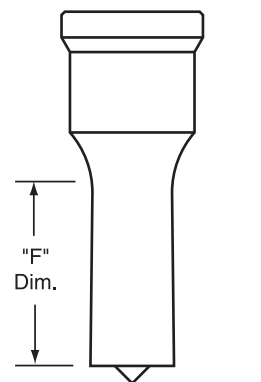
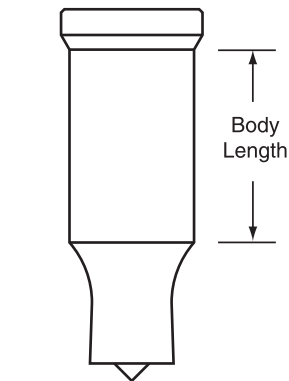
STANDARD SHAPES



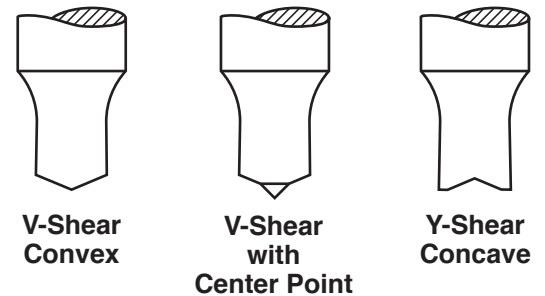
DOUBLE BODY FOR PUNCHING LEG UP



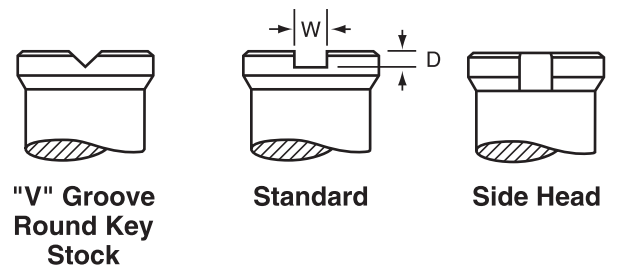
EXTRA LENGTH PUNCHES



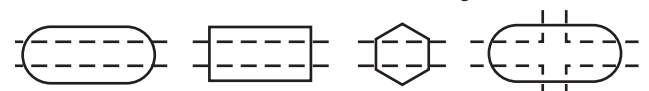
SHEAR FACE OPTIONS



KEYWAY OPTIONS

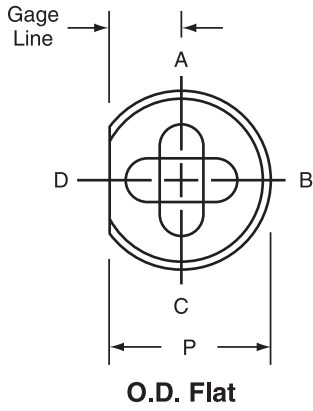


Keyways are standard for some machines. Please advise machine make when ordering.

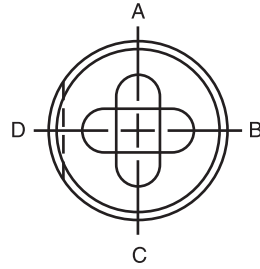


Standard Keyway Position

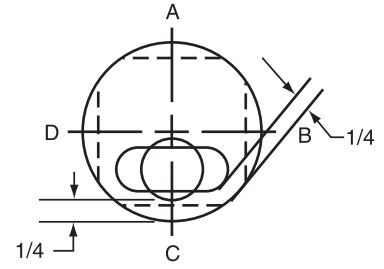
LOCATING SPOTS



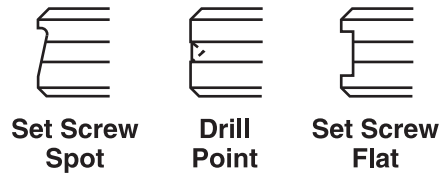
O.D. Flat



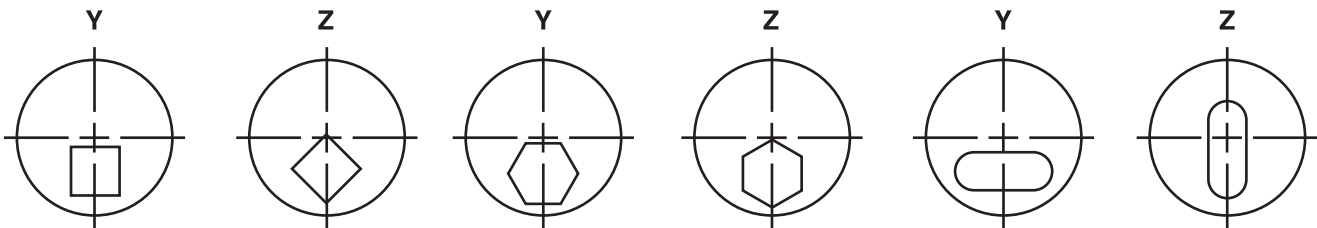
Spot Location



Offset Spot Location

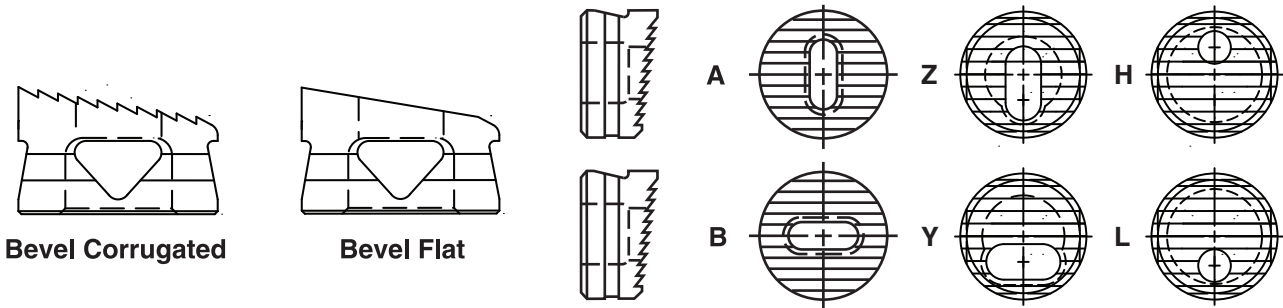


OFFSET DIE POSITIONS



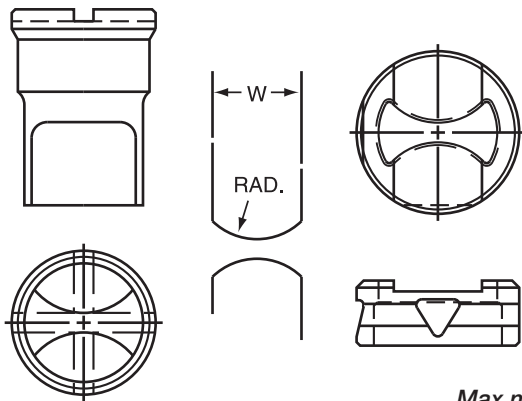
Offset Position ("Y" Standard Position)

BEVEL TOP DIES

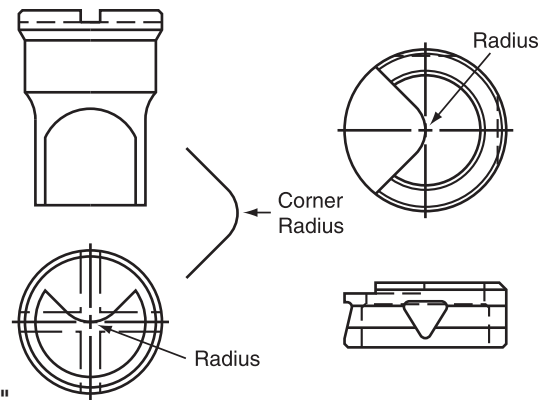


SPECIAL PURPOSE TOOLING

LATTICE BAR TOOLING



CORNER ROUNDING TOOLING



Max material thickness is 5/16"

Lattice bar or corner rounding tooling can be designed to any style punch and die.
The radius required is the determining dimensions for punch size and style.

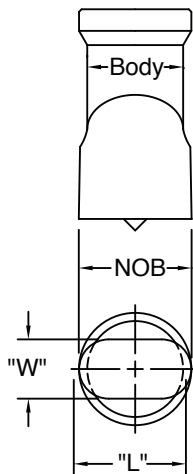
NOB TOOLING

NOB tooling is used when the punch size is larger than the body of the punch.

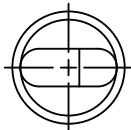
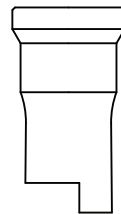


Before ordering NOB tooling, first consider:

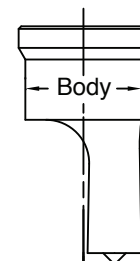
- Bore of the coupling nut, and
- Slug chute



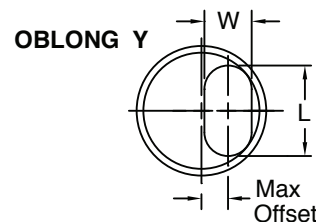
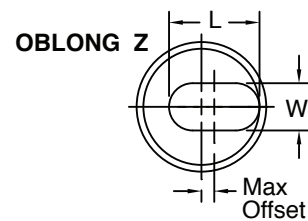
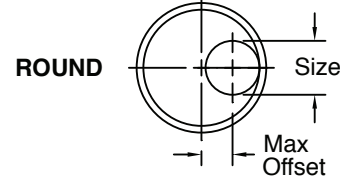
RIPPING PUNCH



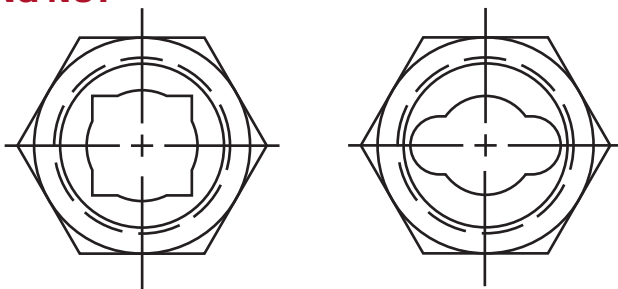
ECCENTRIC (OFFSET) PUNCH



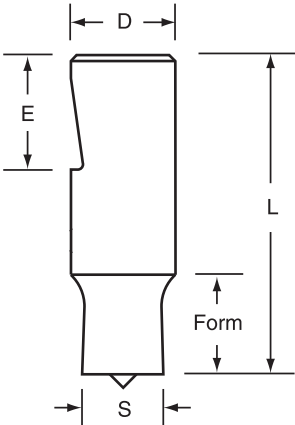
Punch and die must have same offset



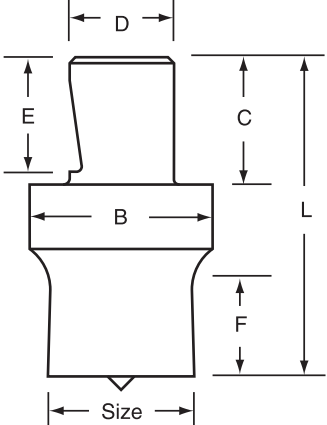
COUPLING NUT



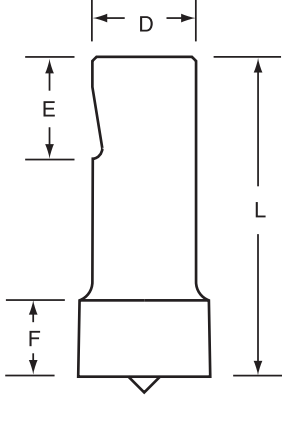
NOTE: Coupling nuts can be modified to fit oversize punches; however, the size is limited to the ID of the threads.



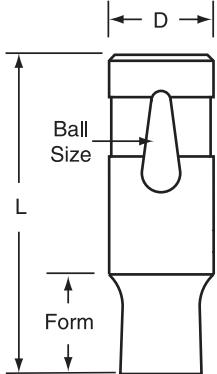
Straight Shank Set Screw



Shoulder Type



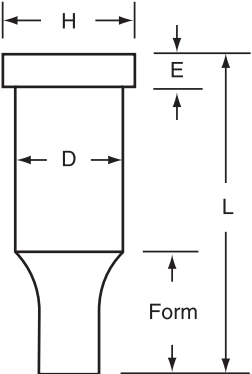
Shoulder Type



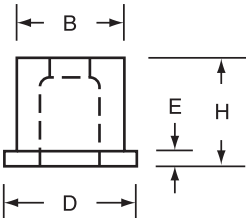
Ball Lock Type



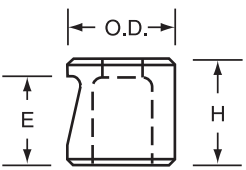
Contact us today for all your precision tooling for stamping, roll forming and metalforming.



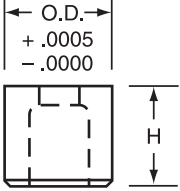
Headed Type



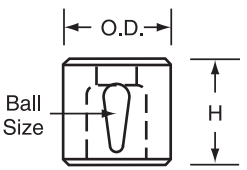
Shoulder Die



Set Screw



Press Fit



Ball Lock



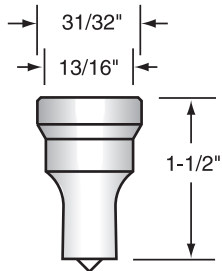
Count on American Punch Company for precision tooling that is engineered and manufactured with great care and attention to detail. Our state-of-the-art manufacturing facility utilizes the latest in wire EDM, CNC machining centers and CNC JIG grinding that ensures accuracy and repeatability for standard precision tooling and made-to-order components.

Ask for a copy of our precision tooling catalog for more detailed information on tooling for stamping, roll forming and metalforming.

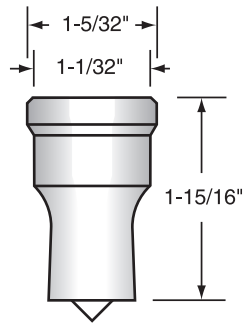


IRONWORKER PUNCHES AND DIES

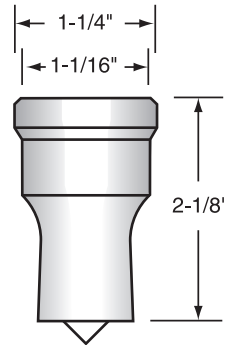
STOCK ITEMS: Shipped Same Day (For stock items see page 16, 17 & 18) • **EXPRESS ITEMS:** Shipped Within 48 Hours



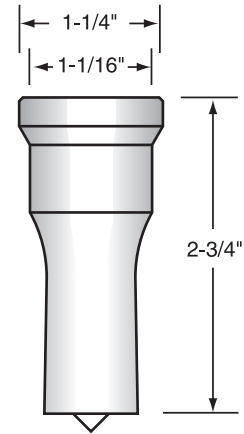
112
STOCK



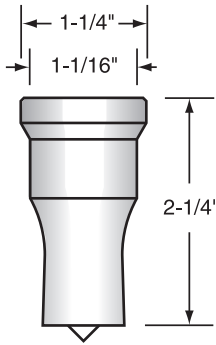
116
STOCK



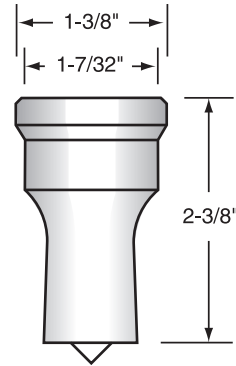
119
STOCK



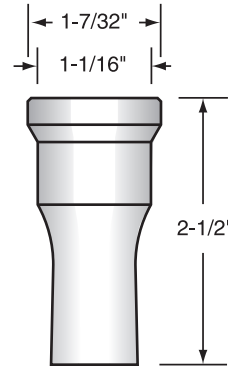
119L
STOCK



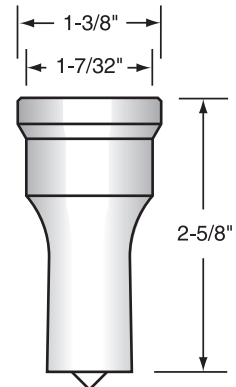
120
EXPRESS



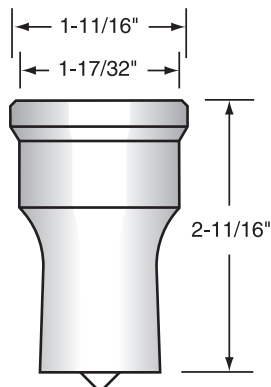
121
STOCK



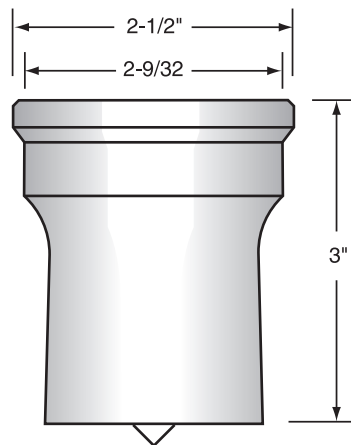
122
EXPRESS



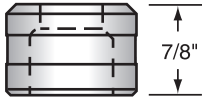
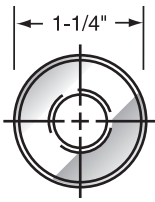
123
EXPRESS



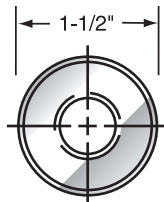
128
STOCK



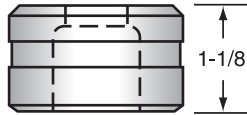
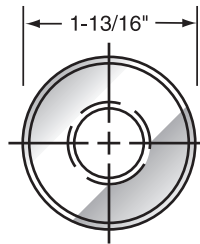
137
EXPRESS



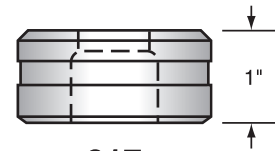
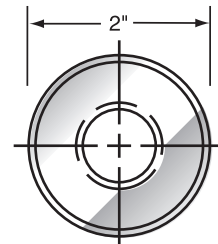
305
STOCK



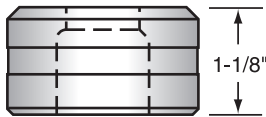
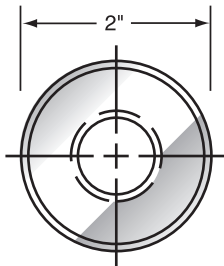
308
STOCK



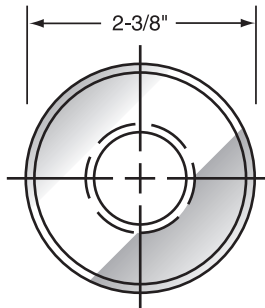
313
STOCK



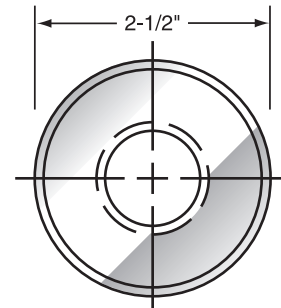
317
STOCK



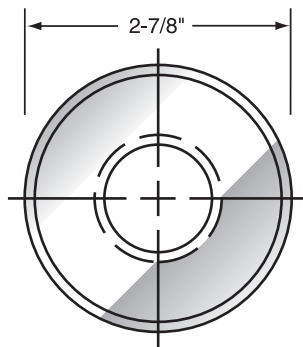
318
STOCK



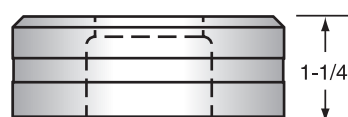
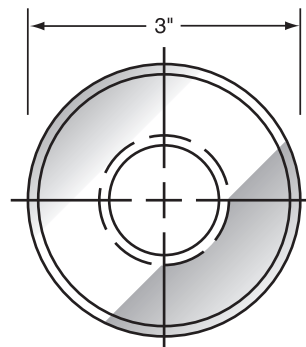
319
STOCK



320
EXPRESS



321
EXPRESS



322
EXPRESS

PUNCHES & DIES STOCK SIZES

ROUND STOCK PUNCHES						
	116	119	119L	119M	121	128
3/16		●			●	●
7/32		●			●	●
1/4	●	●		●	●	●
9/32		●			●	●
5/16	●	●	●	●	●	●
11/32		●			●	●
3/8	●	●		●	●	●
13/32		●		●	●	●
7/16	●	●	●	●	●	●
15/32		●			●	●
1/2	●	●		●	●	●
17/32		●		●	●	●
9/16	●	●	●	●	●	●
19/32		●			●	●
5/8	●	●		●	●	●
21/32		●		●	●	●
11/16	●	●	●	●	●	●
23/32		●			●	●
3/4	●	●		●	●	●
25/32		●			●	●
13/16	●	●	●	●	●	●
27/32					●	●
7/8	●	●		●	●	●
29/32					●	●
15/16	●	●	●	●	●	●
31/32		●			●	●
1	●	●		●	●	●
1-1/32		●			●	●
1-1/16		●	●	●	●	●
1-3/32						
1-1/8					●	●
1-5/32						
1-3/16					●	●
1-7/32						
1-1/4					●	●
1-9/32						
1-5/16					●	●
1-11/32						
1-3/8						●
1-13/32						
1-7/16						●
1-1/2						●
1-17/32						
1-9/16						●

ROUND STOCK DIES					
	305	308	313	317	319
7/32		●	●	●	●
1/4		●	●	●	●
9/32		●	●	●	●
5/16		●	●	●	
11/32	●	●	●	●	●
3/8	●	●	●	●	●
13/32		●	●	●	
7/16		●	●	●	●
15/32	●	●	●	●	●
1/2	●	●	●	●	●
17/32		●	●	●	●
9/16		●	●	●	●
19/32	●	●	●	●	●
5/8	●	●	●	●	●
21/32		●	●	●	●
11/16		●	●	●	●
23/32	●	●	●	●	●
3/4	●	●	●	●	●
25/32			●	●	●
13/16		●	●	●	●
27/32	●	●	●	●	●
7/8	●	●	●	●	●
29/32		●	●	●	
15/16		●	●	●	●
31/32			●	●	
1		●	●	●	●
1-1/32			●	●	●
1-1/16			●	●	●
1-3/32			●	●	●
1-1/8			●	●	●
1-5/32			●	●	●
1-3/16			●	●	●
1-7/32				●	●
1-1/4			●	●	●
1-9/32			●	●	●
1-5/16				●	●
1-11/32				●	●
1-3/8				●	●
1-13/32					●
1-7/16					●
1-1/2					●
1-17/32					●
1-9/16					●
1-5/8					●

OBLONG STOCK PUNCHES

	119	121	128
3/16 X 1"	●	●	●
1/4 X 1/2			●
1/4 X 3/4	●	●	●
1/4 X 1"	●	●	●
5/16 X 3/4	●	●	●
5/16 X 1"	●	●	●
5/16 X 1-1/4		●	●
3/8 X 3/4	●	●	●
3/8 X 1"	●	●	●
3/8 X 1-1/4		●	●
3/8 X 1-1/2			●
7/16 X 3/4	●	●	●
7/16 X 1"	●	●	●
7/16 X 1-1/4		●	●
7/16 X 1-1/2			●
1/2 X 3/4	●	●	●
1/2 X 1"	●	●	●
1/2 X 1-1/4		●	●
1/2 X 1-1/2			●
9/16 X 1"	●	●	●
9/16 X 1-1/4		●	●
9/16 X 1-1/2			●
5/8 X 1"	●	●	●
5/8 X 1-1/4		●	●
5/8 X 1-1/2			●
11/16 X 1"	●	●	●
11/16 X 1-1/4		●	●
11/16 X 1-1/2			●
3/4 X 1"	●	●	●
3/4 X 1-1/4		●	●
3/4 X 1-1/2			●
13/16 X 1"	●	●	●
13/16 X 1-1/4		●	●
13/16 X 1-1/2			●
7/8 X 1-1/4		●	●
7/8 X 1-1/2			●
15/16 X 1-1/8		●	●
15/16 X 1-1/4		●	●
15/16 X 1-1/2			●
1" X 1-1/4		●	●
1" X 1-1/2			●
1-1/16 X 1-1/4		●	●
1-1/16 X 1-5/16			●
1-1/16 X 1-1/2			●

Stock oblong punches are supplied **WITHOUT** keyways. If keyways are required, please inform your salesperson of keyway style and size or machine brand.

All oblong stock dies are supplied with two (2) set screw spots.

OBLONG STOCK DIES

	313	317	319
7/32 X 1-1/32	●	●	●
9/32 X 17/32			●
9/32 X 25/32	●	●	●
9/32 X 1-1/32	●	●	●
11/32 X 25/32	●	●	●
11/32 X 1-1/32	●	●	●
11/32 X 1-9/32		●	●
13/32 X 25/32	●	●	●
13/32 X 1-1/32	●	●	●
13/32 X 1-9/32		●	●
13/32 X 1-17/32			●
7/16 X 1-1/16			●
15/32 X 25/32	●	●	●
15/32 X 1-1/32	●	●	●
15/32 X 1-9/32		●	●
15/32 X 1-17/32			●
1/2 X 13/16	●	●	●
1/2 X 1-1/16	●	●	●
1/2 X 1-5/16		●	●
1/2 X 1-9/16			●
17/32 X 25/32	●	●	●
17/32 X 1-1/32	●	●	●
17/32 X 1-9/32		●	●
17/32 X 1-17/32			●
9/16 X 13/16	●	●	●
9/16 X 1-1/16	●	●	●
9/16 X 1-5/16		●	●
9/16 X 1-9/16			●
19/32 X 1-1/32	●	●	●
19/32 X 1-9/32		●	●
19/32 X 1-17/32			●
5/8 X 1-1/16	●	●	●
5/8 X 1-5/16		●	●
5/8 X 1-9/16			●
21/32 X 1-1/32	●	●	●
21/32 X 1-9/32		●	●
21/32 X 1-17/32			●
11/16 X 1-1/16	●	●	●
11/16 X 1-5/16		●	●
11/16 X 1-9/16			●

OBLONG STOCK DIES

	313	317	319
23/32 X 1-1/32	●	●	●
23/32 X 1-9/32		●	●
23/32 X 1-17/32			●
3/4 X 1-1/16	●	●	●
3/4 X 1-5/16		●	●
3/4 X 1-9/16			●
25/32 X 1-1/32	●	●	●
25/32 X 1-9/32		●	●
25/32 X 1-17/32			●
13/16 X 1-1/16	●	●	●
13/16 X 1-5/16		●	●
13/16 X 1-9/16			●
27/32 X 1-1/32	●	●	●
27/32 X 1-9/32		●	●
27/32 X 1-17/32			●
7/8 X 1-1/16	●	●	●
7/8 X 1-5/16		●	●
7/8 X 1-9/16			●
29/32 X 1-9/32		●	●
29/32 X 1-17/32			●
15/16 X 1-5/16		●	●
15/16 X 1-9/16			●
31/32 X 1-5/32		●	●
31/32 X 1-9/32		●	●
31/32 X 1-17/32			●
1" X 1-3/16		●	●
1" X 1-5/16		●	●
1" X 1-9/16			●
1-1/32 X 1-9/32		●	●
1-1/32 X 1-17/32			●
1-1/16 X 1-5/16		●	●
1-1/16 X 1-9/16			●
1-3/32 X 1-9/32		●	●
1-3/32 X 1-11/32			●
1-3/32 X 1-17/32			●
1-1/8 X 1-5/16		●	●
1-1/8 X 1-3/8			●
1-1/8 X 1-9/16			●

STOCK SIZES FOR PUNCHES & DIES

SQUARE STOCK PUNCHES			
	119	121	128
1/4	●	●	●
9/32	●	●	●
5/16	●	●	●
11/32	●	●	●
3/8	●	●	●
13/32	●	●	●
7/16	●	●	●
15/32	●	●	●
1/2	●	●	●
17/32	●	●	●
9/16	●	●	●
19/32	●	●	●
5/8	●	●	●
21/32	●	●	●
11/16	●	●	●
23/32	●	●	●
3/4	●	●	●
25/32		●	●
13/16		●	●
7/8		●	●
15/16			●
1"			●
1-1/32			●
1-1/16			●

SQUARE STOCK DIES			
	313	317	319
9/32	●	●	●
5/16	●	●	●
11/32	●	●	●
3/8	●	●	●
13/32	●	●	●
7/16	●	●	●
15/32	●	●	●
1/2	●	●	●
17/32	●	●	●
9/16	●	●	●
19/32	●	●	●
5/8	●	●	●
21/32	●	●	●
11/16	●	●	●
23/32	●	●	●
3/4	●	●	●
25/32	●	●	●
13/16	●	●	●
27/32		●	●
7/8		●	●
29/32		●	●
15/16		●	●
31/32			●
1"			●
1-1/32			●
1-1/16			●
1-3/32			●
1-1/8			●

Stock square punches are supplied **WITHOUT** a keyway. If you require a keyway, please inform your salesperson of keyway style and size, or machine brand.

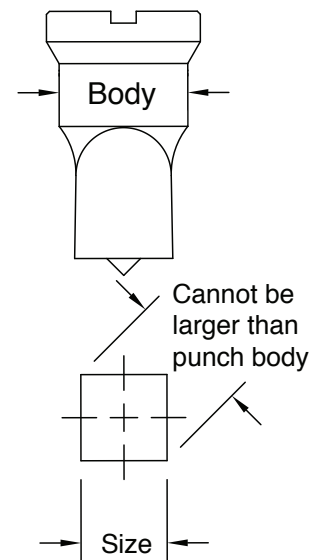
All square stock dies are supplied with one (1) set screw spot.

NOTE: All stock square punches and dies have .032 corner radius

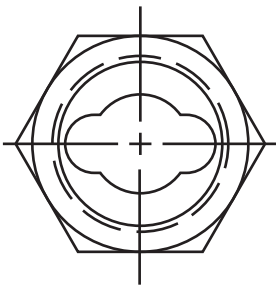
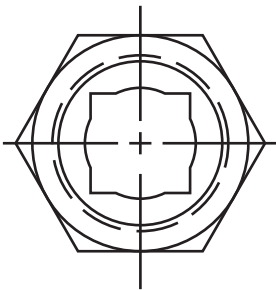
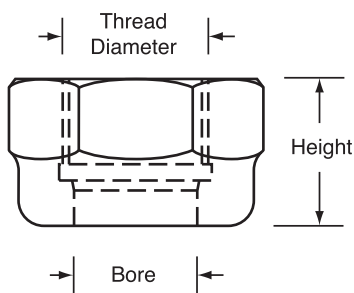
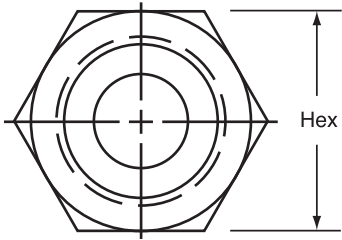
HOW TO CALCULATE THE LARGEST SQUARE SIZE ALLOWED FOR A PUNCH STYLE

**PUNCH BODY
DIVIDED BY 1.414 =
MAXIMUM SQUARE SIZE**

PUNCH STYLE NO.	MAX SQUARE SIZE
116	.729
119	.751
121	.861
128	1.104
164	.884
192	.662



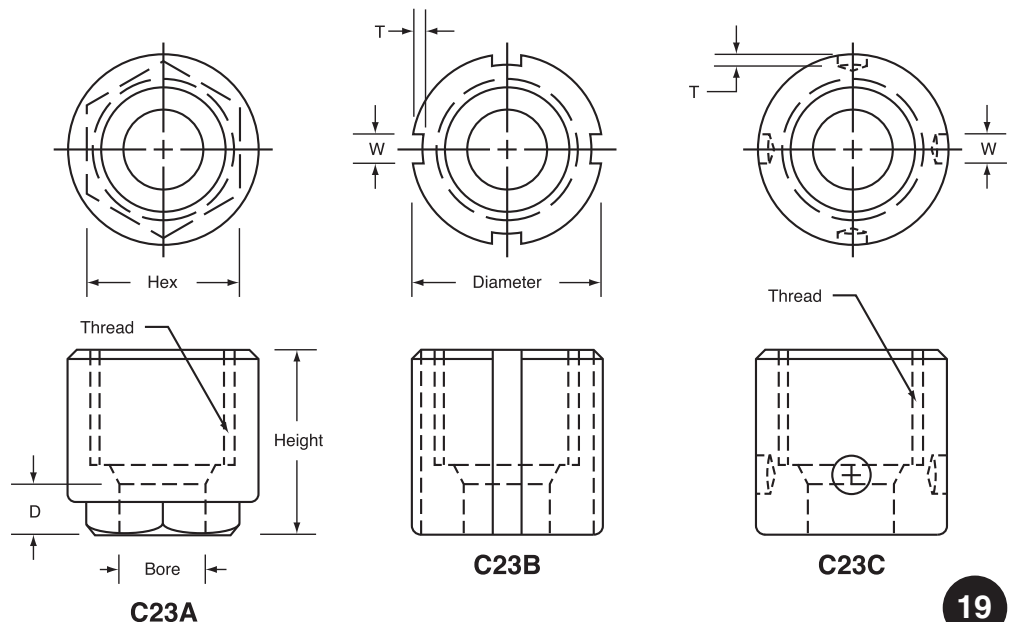
COUPLING NUTS



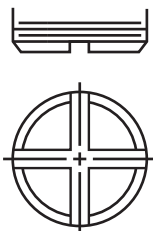
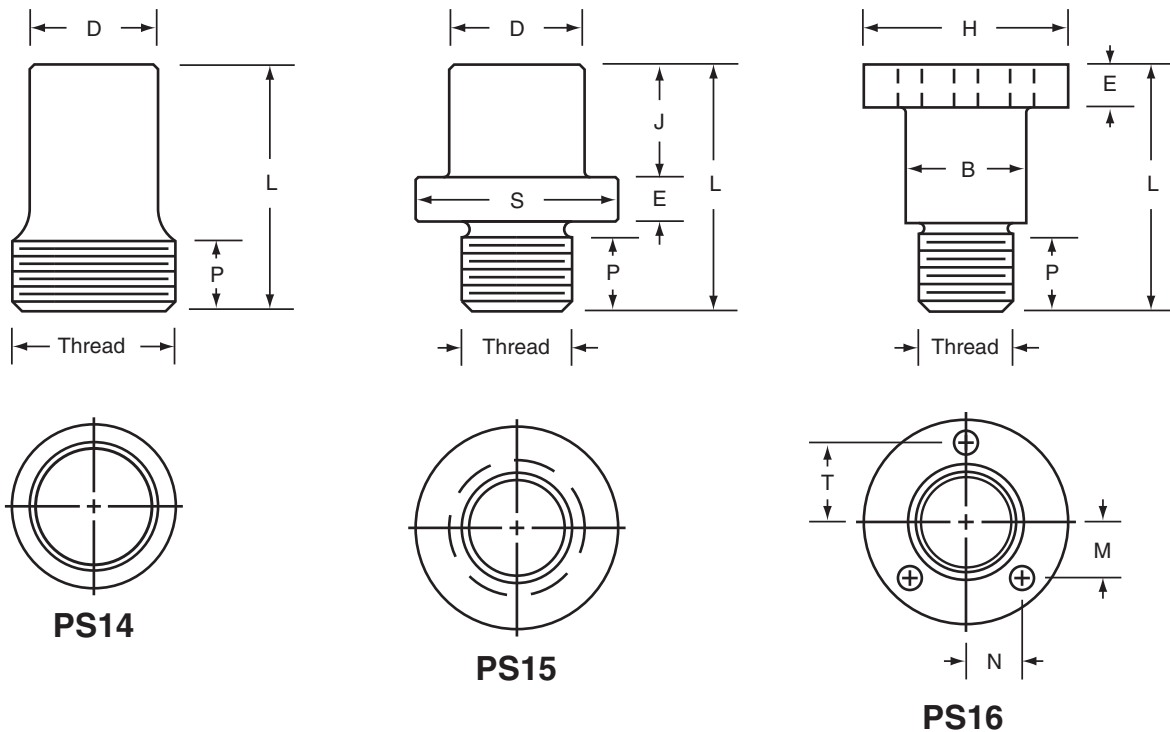
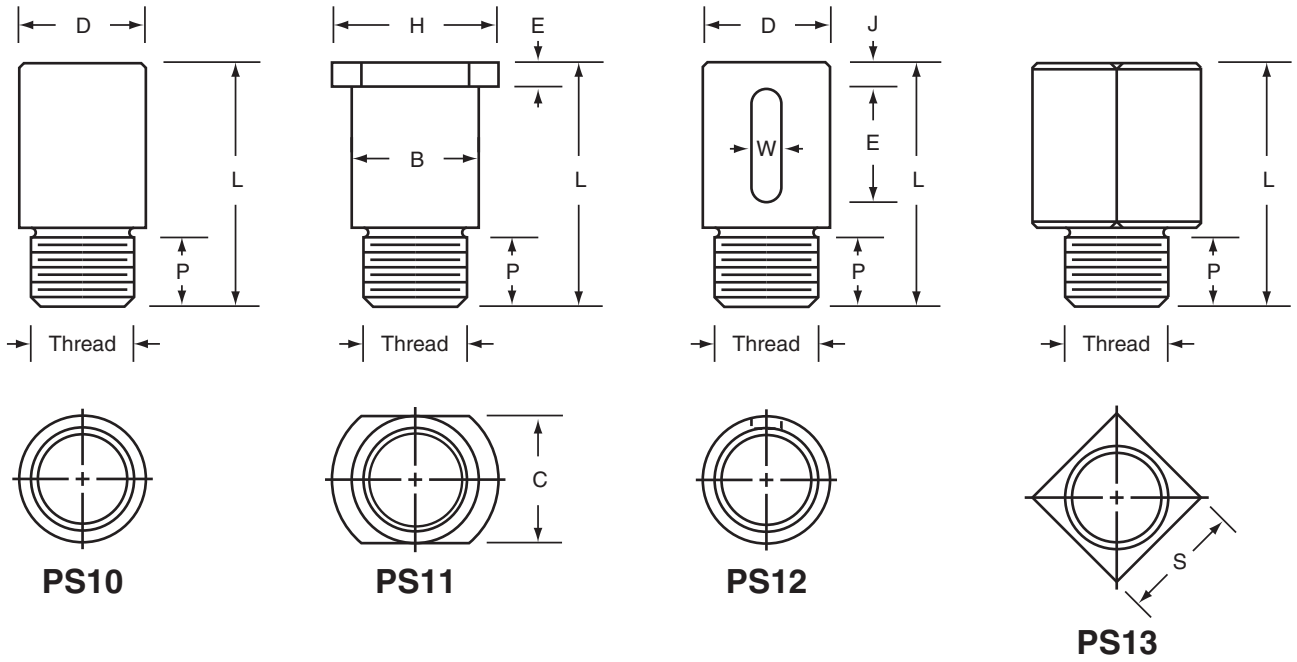
NOTE: Coupling nuts can be modified to fit oversize punches; however, the size is limited to the ID of the threads.

PART NO.	THREAD	HEX	HEIGHT	BORE	PUNCH NO.	FITS MACHINE	
A4C	7/8 - 12	1-5/16	1-3/16	.571	109		
A7C	1-1/16 - 12	1-11/16	1-3/16	.828	108, 112		
A8C	1-1/8 - 10	1-5/8	1-3/8	.578	109		
A9C	1-1/8 - 10	1-5/8	1-3/8	.765	113, 115		
A12C	1-5/16 - 12	2"	1-1/4	1.078	116, 119		
A13C	1-3/8 - 10	2"	1-5/8	1.078	116, 119		
A14C	1-3/8 - 12	2"	1-3/8	1.078	116, 119	Piranha	STOCK
A15C	1-13/32 - 10	2"	1-3/8	1.078	116, 119		
A17C	1-9/16 - 12	2-1/4	1-1/2	1.265			
A18C	1-11/16 - 10	2-1/4	1-1/2	1.078	116, 119		
A21C	1-7/8 - 12	2-1/2	1-9/16	1.578	128	Edwards & Piranha	STOCK
A22C 119	2" - 10	2-5/8	1-3/4	1.078	116, 119		
A22C 121	2" - 10	2-5/8	1-3/4	1.265	121		
A22C 128	2" - 10	2-5/8	1-3/4	1.578	128		STOCK
11710	1-1/2 - 6	2-1/4	1-3/4	1.074	119	Edwards	STOCK
2251	1-7/8 - 12	2-1/4 O.D.	1-13/16	1.265	164	Peddinghaus	STOCK
7937	M42-2	51MM	1-25/32	1.265	164	Ficep	STOCK
8429	1-5/16-14	1-3/8	1-9/32	1.01	190	Scotchman	STOCK
9288	M33 X 1.5	Spanner	1-1/4	1.069	192	Alfra	STOCK
H1C	M42 X 2	2"	1-5/8	1.078	119M	Mubea H1	STOCK
9729	M33 X 1.5	Spanner	1-1/16	.945	192	Nitto Kohki	
162	1" - 16	1"		.703	162	Whitney	
163	1-3/8 - 12	1-3/4		1.015	163	Whitney (pg 63)	STOCK
164C	1-3/4 - 12	2"	1-7/16	1.265	164N	Whitney (pg 63)	STOCK
164C Split	1-3/4 - 12	2"	1-7/16	1.265	164N	Whitney (pg 63)	STOCK

CLOSE CENTER COUPLING NUTS

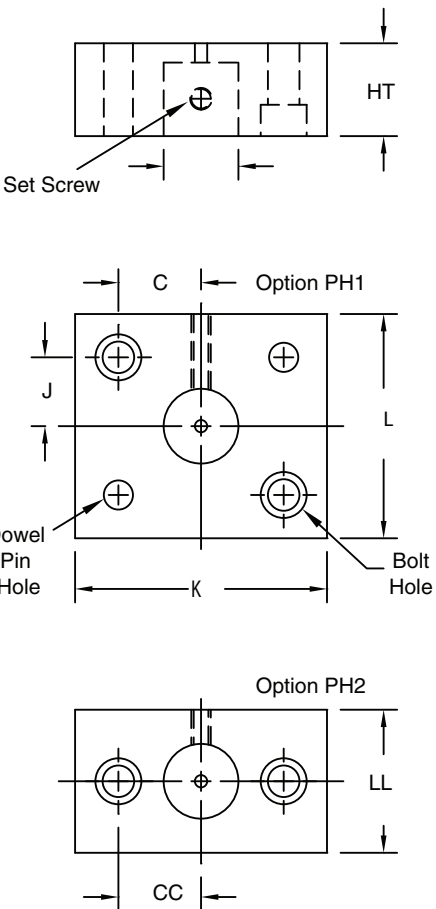


PUNCH STEMS

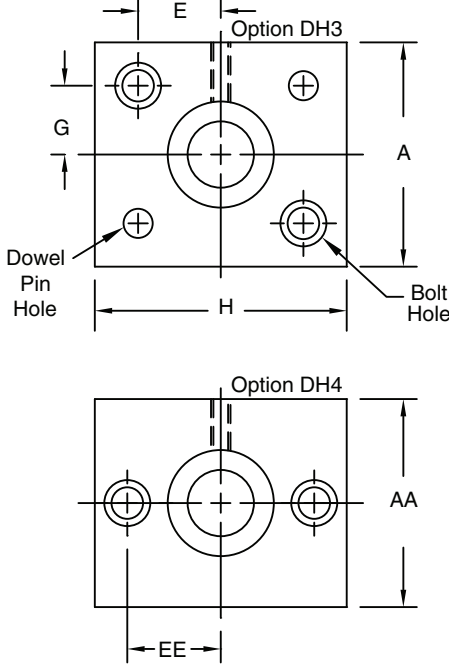


Adding keyways to the face of the stem will aid in alignment and increase tool life.

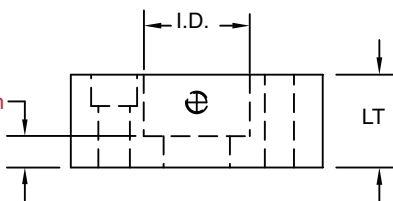
Punch Holder



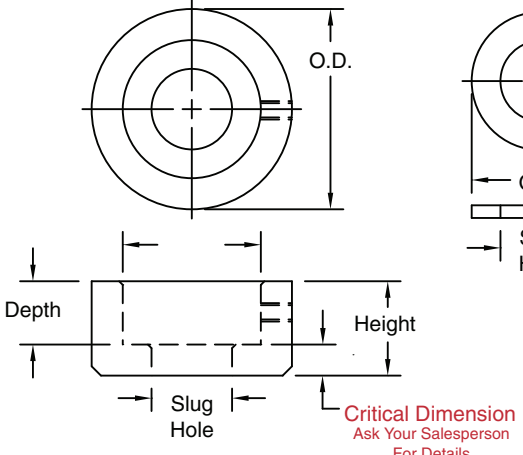
Die Holder



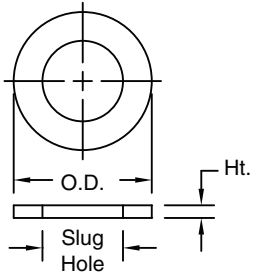
Critical Dimension
Ask Your Salesperson
For Details



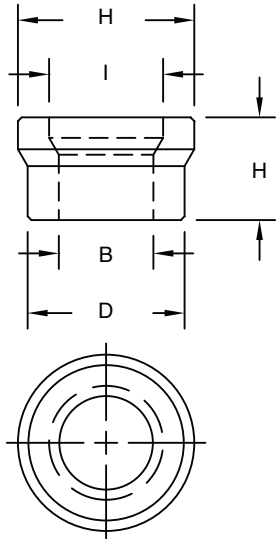
Reducing Socket



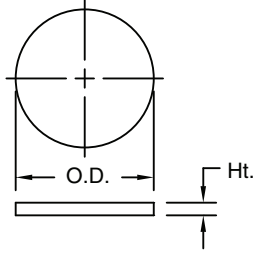
Die Liner



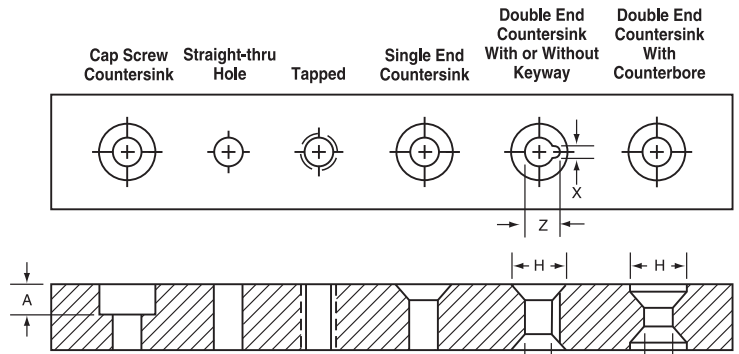
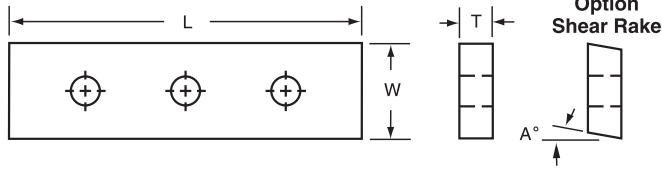
Reducing Sleeve



Filler Block



STOCK SHEAR BLADES, BAR CUTTERS, COPER & NOTCHER TOOLING



CONTROLLED AUTOMATION (See pages 28-29)

CONTROLLED AUTOMATION PART NO.	AMERICAN PUNCH PART NO.	DESCRIPTION
DCS346	APS-2055	Angle Blade
DCS347	APS-2063	Lower Left Blade
DCS348	APS-2064	Lower Right Blade
PAL-229	APS-4185	Angle Blade
PAL-227/228	APS-4184	Lower Angle Blades (2)
PAL-284	APS-6187	Flat Bar
ABL-315	APS-6186	Lower Angle Blades (2)

FICEP (See pages 32-35)

FICEP PART NO.	AMERICAN PUNCH PART NO.	DESCRIPTION
A30417	APS-8220	Flat Bar
A30387	APS-8237	Upper Angle Blade
A30388	APS-8238	Lower Angle Blade (2)
A30545	APS-9162	Upper Angle Blade
A30541E	APS-9184	Lower Angle Blade (2)

EDWARDS, HAWTHORNE & PITTSBURGH (See pages 30-31)

MODEL	EDWARDS PART NO.	AMERICAN PUNCH PART NO.	DESCRIPTION
FLAT BAR SHEAR BLADES			
50 TON	T20003	APS-10752	Flat Bar 1/2T X 2W X 10L
55 TON	T20004	APS-8317	Flat Bar 1/2T X 2W X 14L
65/115 TON	T20005	APS-10753	Flat Bar 3/4 T X 2W X 24L
75/100 TON	T20006	APS-10754	Flat Bar 3/4T X 2W X 14L
ANGLE SHEAR BLADES			
50/55 TON	T20101	APS-8289	Upper Angle Blade
50/55 TON	T20102	APS-7281	Lower Angle Blades (2)
65/75 TON	T20103	APS-10757	Upper Angle Blade
65/75 TON	T20104	APS-10758	Lower Angle Blades (2)

GEKA (See pages 38-41)

GEKA PART NO.	AMERICAN PUNCH PART NO.	DESCRIPTION
ANGLE BLADES		
HYD55-15-5	APS-10032	Upper Angle Blade
HYD55-15-3	APS-10034	Lower Long Angle Blade
HYD55-15-4	APS-10033	Lower Short Angle Blade
HYD80-15-5	APS-8628	Upper Angle Blade
HYD100-15-5	APS-7752	Upper Angle Blade
HYD110-15-5	APS-7561	Upper Angle Blade
HYD110/100/80-15-3	APS-7568	Lower Long Angle Blade
HYD110/100/80-15-4	APS-7567	Lower Short Angle Blade
HYD165-15-5	APS-7240	Upper Angle Blade
HYD165-15-3	APS-13348	Lower Long Angle Blade
HYD165-15-4	APS-13349	Lower Short Angle Blade
FLAT BAR UPPER BLADES		
I-46A	APS-5305	12" Curved Blade
I-46A	APS-2798	18-23/32" Curved Blade
I-46A	APS-3765	24" Curved Blade
FLAT BAR LOWER BLADES		
I-46	APS-5304	12" Straight Blade
I-46	APS-2799	18-23/32" Straight Blade
I-46	APS-7137	24" Straight Blade

PEDDINGHAUS / OCEAN CLIPPER (See pages 46-49)

PEDDINGHAUS PART NO.	AMERICAN PUNCH PART NO.	DESCRIPTION
YC-17501-504-000-4	APS-275*	Upper Angle Blade
YD-3750232	APS-276*	Lower Right Insert (2)
YD-3750237	APS-277*	Lower Left Insert (2)
YB-185750000006	APS-2660	Flat Bar
YB-176460000010	APS-2661	Upper Angle Blade
YC-176460000011	APS-2525	Lower Short Insert - Tapped
YC-176460000012	APS-2526	Lower Long Insert - Tapped
YC-176530000008	APS-3768	Lower Short Insert - Ctr/Sk
YC-176530000009	APS-3769	Lower Long Insert - Ctr/Sk
440835117011	APS-5291	Upper Angle Blade
440835117014	APS-9102	Vertical Blade
440835117013	APS-9103	Horizontal Blade

* Shear blades available for Ocean Clipper

PIRANHA (See pages 50-51)

MACHINE	PIRANHA PART NO.	AMERICAN PUNCH PART NO.	DESCRIPTION
FLAT BAR SHEAR BLADES			
P-50	0230251	APS-4327	14-5/8 L X 1-1/2 W X 3/4 T
P-90	0240250	APS-3153	16-5/8 L X 2" W X 1" T
P-90	0240251	APS-4328	20-1/2 L X 2" W X 1" T
P-70	0250250	APS-7502	14-5/8 L X 2" X 1" T
RP-50	0232501	APS-6272	12-1/8 L X 1-1/2 W X 3/4 T
P-50 w/ Bar Cutter	0230250	APS-6273	11-1/4 L X 1-1/2 W X 3/4 T
P-50/65/88	0276252	APS-8723	20-5/8 L X 1-1/2 W X 3/4 T
ANGLE SHEAR BLADES			
P50/65/88	0230273	APS-6724	Upper Angle Blade
P50/65/88	027624	APS-8773	Lower Angle Blades (2)
P50/65/88	0230274 (Old)	APS-6279	Lower Angle Blades (2)
COPER			
P50/65/88	0230277	APS-7345	Coper Punch
P50/65/88	0230276	APS-7346	Coper Dies (3)
P70	0250277	APS-9153	Coper Punch
P70	0250278	APS-9154	Coper Dies (3)
P90	0240277	APS-5921	Punch
P90	0240276	APS-5919	Front Coper Die
P90	0240278	APS-5920	Side Coper Dies (2)
BAR CUTTERS			
P50		APS-10423	Use with Part APS-6273

Bar Cutter



Notcher Punch



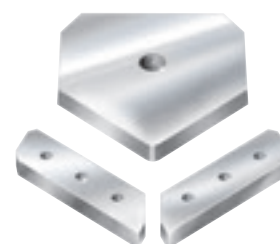
Notcher Dies

Coper Punch



Coper Dies

Angle Blades



SCOTCHMAN (See pages 52-53)

SCOTCHMAN PART NO.	AMERICAN PUNCH PART NO.	DESCRIPTION
080257	APS-7155	12-1/2 L X 2" W X 1/2 T
422033	APS-7119	14-1/16 L X 2" W X 1/2 T
080031	APS-7120	24-7/8 L X 2" W X 1/2 T

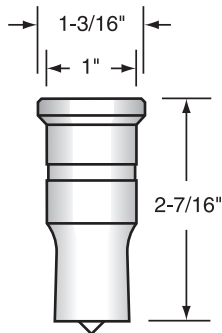
VOORTMAN (See pages 58-59)

VOORTMAN PART NO.	AMERICAN PUNCH PART NO.	DESCRIPTION
V6070002	APS-8809	Upper Flat Bar
V6070001	APS-8810	Lower Flat Bar
V6080006	APS-8843	Upper Angle Blade
V6080005	APS-8844	Lower Right and Left Blades (2 ea)

WHITNEY (See pages 60-63)

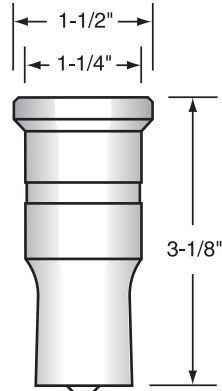
MODEL	UPPER BLADE AMERICAN PUNCH PART NO.	LEFT BLADE AMERICAN PUNCH PART NO.	RIGHT BLADE AMERICAN PUNCH PART NO.
609	APS-300	APS-302	APS-301
664	APS-640	APS-302	APS-301
764	APS-640	APS-302	APS-301

ANGLELINE, BEAMLINE & DUPLICATORS



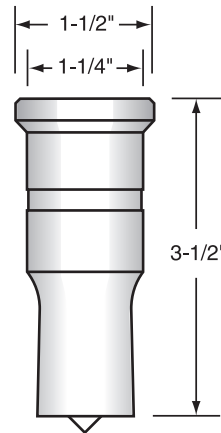
163

STOCK



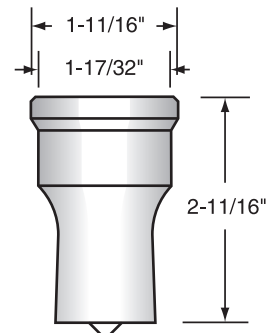
164

STOCK



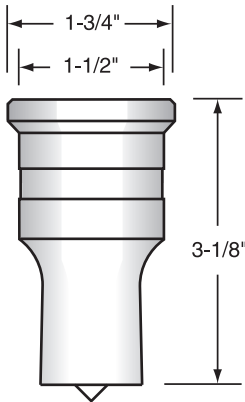
164L

STOCK



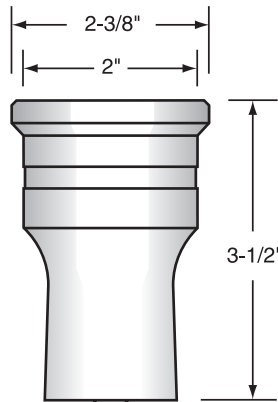
128

STOCK



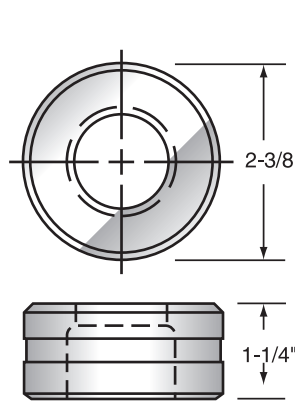
165

STOCK



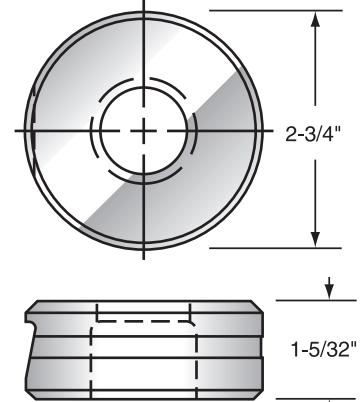
166

EXPRESS



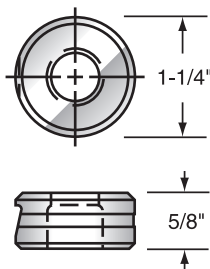
319

STOCK



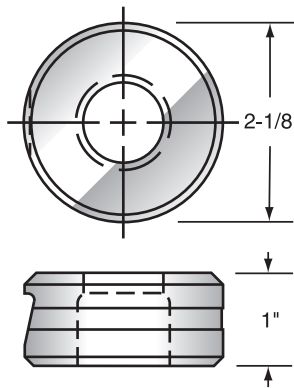
346

EXPRESS



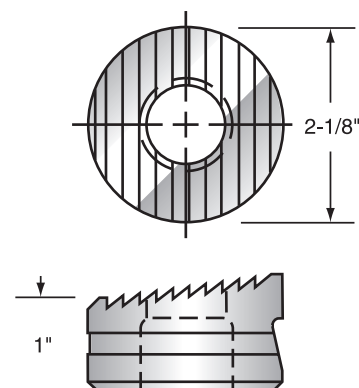
348

EXPRESS



347

STOCK



347BC

STOCK

STOCK ROUND PUNCHES					
	128	163	164	164L	165
3/16	●		●		
7/32	●		●		
1/4	●	●	●		
9/32	●		●		
5/16	●	●	●	●	
11/32	●		●		
3/8	●		●		
13/32	●		●		
7/16	●	●	●	●	
15/32	●		●		
1/2	●	●	●		
17/32	●		●		
9/16	●	●	●	●	
19/32	●		●		
5/8	●	●	●		
21/32	●		●		
11/16	●	●	●	●	●
23/32	●		●		
3/4	●		●		
25/32	●		●		
13/16	●	●	●	●	●
27/32	●		●		
7/8	●	●	●	●	●
29/32	●		●		
15/16	●		●		●
31/32	●		●		
1"	●		●		
1-1/32	●		●		
1-1/16	●		●	●	●
1-3/32	●		●		●
1-1/8	●	●	●	●	●
1-5/32	●		●		
1-3/16	●		●		
1-7/32	●		●		
1-1/4	●	●	●		
1-9/32	●		●		
1-5/16	●	●	●		
1-11/32	●		●		
1-3/8	●		●		
1-13/32	●		●		
1-7/16	●		●		
1-15/32	●		●		
1-1/2	●		●		
1-17/32	●		●		
1-9/16	●		●		
1-5/8	●		●		

STOCK ROUND DIES				
	319	346	347	347BC
7/32	●		●	
1/4	●		●	
9/32	●		●	
5/16	●		●	
11/32	●		●	
3/8	●		●	
13/32	●		●	
7/16	●		●	
15/32	●		●	●
1/2	●		●	●
17/32	●		●	
9/16	●		●	
19/32	●		●	●
5/8	●	●	●	●
21/32	●		●	
11/16	●		●	
23/32	●		●	●
3/4	●	●	●	●
25/32	●		●	
13/16	●		●	
27/32	●	●	●	●
7/8	●	●	●	●
29/32	●	●	●	●
15/16	●		●	●
31/32	●		●	●
1"	●	●	●	●
1-1/32	●		●	●
1-1/16	●	●	●	●
1-3/32	●		●	●
1-1/8	●	●	●	●
1-5/32	●		●	
1-3/16	●		●	
1-7/32	●		●	
1-1/4	●	●	●	
1-9/32	●		●	
1-5/16	●	●	●	
1-11/32	●		●	
1-3/8	●		●	
1-13/32	●		●	
1-7/16	●		●	
1-15/32	●		●	
1-1/2	●		●	
1-17/32	●		●	
1-9/16	●		●	
1-5/8	●		●	

STOCK OBLONG PUNCHES	
	164
1/4 X 1	●
5/16 X 1	●
5/16 X 1-1/4	●
3/8 X 1	●
7/16 X 1	●
7/16 X 1-1/4	●
1/2 X 1	●
9/16 X 1	●
9/16 X 1-1/4	●
9/16 X 1-1/2	●
5/8 X 1	●
5/8 X 1-1/4	●
11/16 X 1	●
11/16 X 1-1/4	●
11/16 X 1-1/2	●
3/4 X 1	●
3/4 X 1-1/4	●
13/16 X 1	●
13/16 X 1-1/16	●
13/16 X 1-1/8	●
13/16 X 1-1/4	●
13/16 X 1-1/2	●
7/8 X 1	●
7/8 X 1-1/4	●
15/16 X 1-1/8	●
15/16 X 1-1/4	●
15/16 X 1-1/2	●
1-1/16 X 1-1/4	●
1-1/16 X 1-5/16	●
1-1/16 X 1-1/2	●

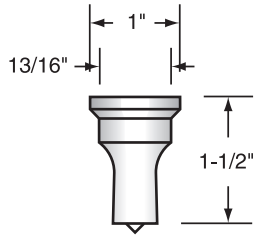
STOCK OBLONG DIES	
	347
9/32 X 1-1/32	●
11/32 X 1-1/32	●
11/32 X 1-9/32	●
13/32 X 1-1/32	●
15/32 X 1-1/32	●
15/32 X 1-9/32	●
1/2 X 1-1/16	●
1/2 X 1-5/16	●
17/32 X 1-1/32	●
9/16 X 1-1/16	●
19/32 X 1-1/32	●
19/32 X 1-9/32	●
19/32 X 1-17/32	●
5/8 X 1-1/16	●
5/8 X 1-5/16	●
5/8 X 1-9/16	●
21/32 X 1-1/32	●
21/32 X 1-9/32	●
11/16 X 1-1/16	●
11/16 X 1-5/16	●
23/32 X 1-1/32	●
23/32 X 1-9/32	●
23/32 X 1-17/32	●
3/4 X 1-1/16	●
3/4 X 1-5/16	●
3/4 X 1-9/16	●
25/32 X 1-1/32	●
25/32 X 1-9/32	●
13/16 X 1-1/16	●
13/16 X 1-5/16	●
27/32 X 1-1/32	●
27/32 X 1-3/32	●
27/32 X 1-5/32	●
27/32 X 1-9/32	●
27/32 X 1-17/32	●
7/8 X 1-1/16	●
7/8 X 1-1/8	●
7/8 X 1-3/16	●
7/8 X 1-5/16	●
7/8 X 1-9/16	●
29/32 X 1-1/32	●
29/32 X 1-9/32	●
15/16 X 1-1/16	●
15/16 X 1-5/16	●
31/32 X 1-5/32	●
31/32 X 1-9/32	●
31/32 X 1-17/32	●
1 X 1-3/16	●
1 X 1-5/16	●
1 X 1-9/16	●
1-3/32 X 1-9/32	●
1-3/32 X 1-11/32	●
1-3/32 X 1-17/32	●
1-1/8 X 1-5/16	●
1-1/8 X 1-3/8	●
1-1/8 X 1-9/16	●

All stock oblong punches are supplied with two (2) cross keyways, 1/4 x 1/8.

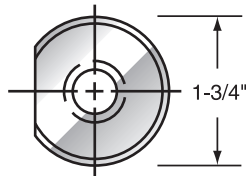
All stock oblong dies are supplied with two (2) set screw spots.

STOCK ITEMS: Shipped Same Day • **EXPRESS ITEMS:** Shipped Within 48 Hours

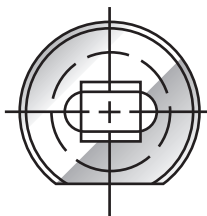
MODEL "0"



3620
EXPRESS

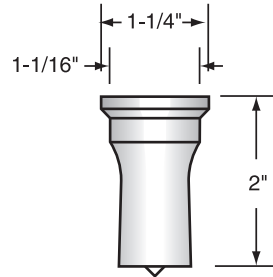


8530
EXPRESS

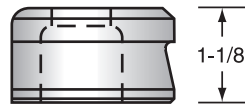
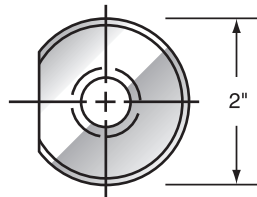


Standard hole position
in relation to flat

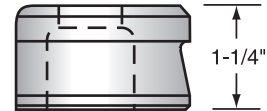
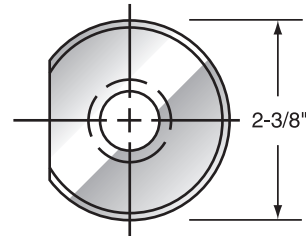
MODEL "1/2" AND "1-1/2"



6640
STOCK



1400
STOCK

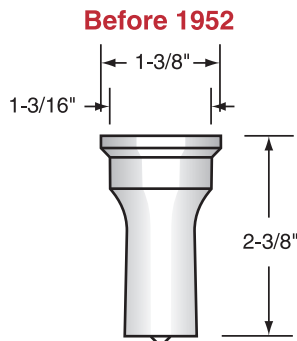


6650
STOCK

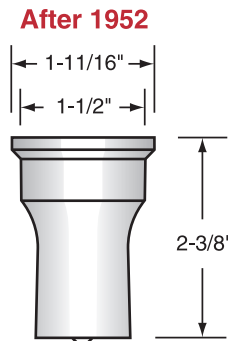
MODEL "1/2"

MODEL "1-1/2"

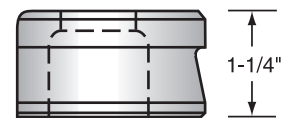
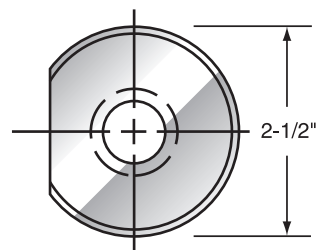
MODEL "2-1/2"



9030
EXPRESS

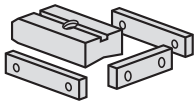


3T10
STOCK

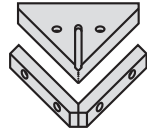


9040
STOCK

SHEAR BLADES, BAR CUTTERS, COPER & NOTCHER BLADES FOR BUFFALO



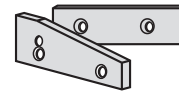
Coper



Notcher



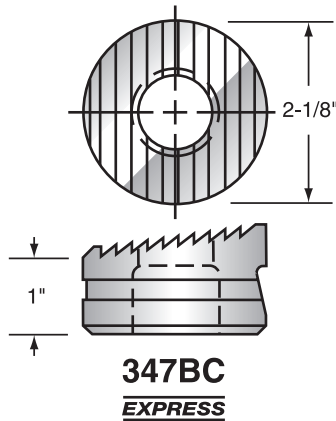
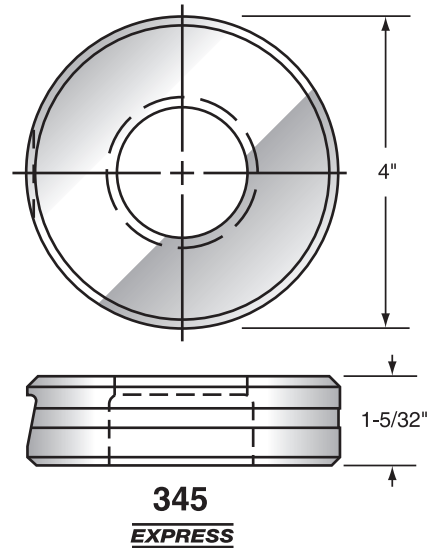
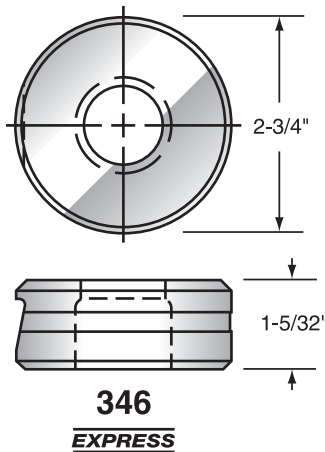
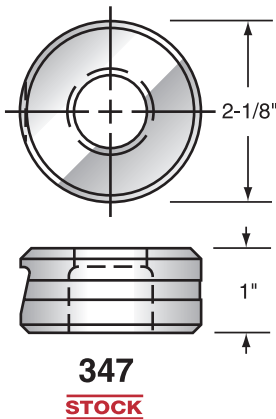
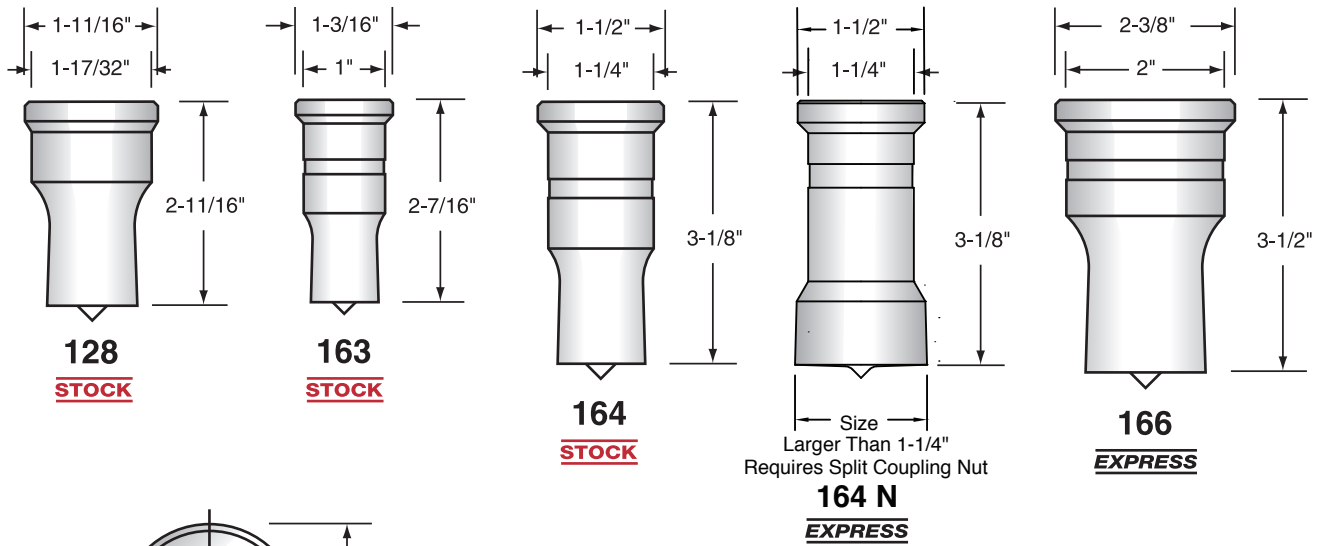
Bar Cutter



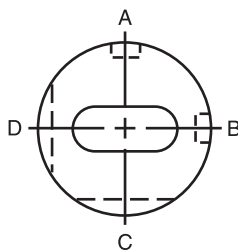
Shear Blades

	MODEL "0"		MODEL "1/2"		MODEL "1-1/2"		MODEL "2-1/2"		MODEL "3-1/2"	
PUNCH STEM	0PS08		Before 1966 After 1966	5-PSB-1 5-PS3-1	Before 1963 1963-1966	15-PSB-1 15-PS9-1	Before 1952 After 1952	25-PS2-1 25-PS0-1	Before 1968 After 1968	35-PS07 35-PS88
COUPLING NUT	0CN7		5-CNB1		15-CNB-1		Before 1952 After 1952	25-CN7D 25-CN7E	Before 1968 After 1968	35-CN7E 35-CN71
NOTCHER PUNCH	0-NP1A		5-NP1B		15-NP1B		25-NP70		Before 1968 After 1968	35-NP39 35-NP08
NOTCHER DIE	0ND0A		5-ND0B		15-ND0B		25-ND0B		35-NP40	
COPER PUNCH	Before 1964 After 1964	0-CP2-1 0-CP9-1	Before 1963 After 1963	5-CP6-1 5-CP9-1	Before 1963 After 1963	15-CP6-1 15-CP9-1	Before 1963 After 1963	25-CP5-1 25-CP3-1	35-CP3-1	
COPER DIE (FRONT)	Before 1964 After 1964	0-FCD0A 0-FCD4-1	Before 1963 After 1963	5-FCDB-1 5-FCD8-1	Before 1963 After 1963	15-FCDB-1 15-FCD8-1	25-FCD4-1		35-FCD4-1	
COPER DIE (SIDES)	Before 1964 After 1964	0-SCDA-1 0-SCD4-1	Before 1963 After 1963	5-SCD0B 5-SCD8-1	Before 1963 After 1963	15-SCD0B 15-SCD8-1	Before 1963 After 1963	25-SCD4-2 25-SCD4-1	35-SCD4-1	
SHEAR BLADE (PLAIN)	0-PSB7-1		5-PSB81		15-PSB16		25-PSB8-1		Before 1968 After 1968	35-PSB36 35-PSD3-1
SHEAR BLADE (SERRATED)	0-SRSB1-2		5-SRSB6-1		15-SRSB8-1		25-SRSB9-1		Before 1968 After 1968	35-SRB48 35-SRB6-1
SHEAR BLADE (SPECIAL UPPER)	Before 1964 After 1964	0-SUB4-2 0-SUB9-1	Before 1963 After 1963	5-SUB85 5-SUB4-1	Before 1963 After 1963	15-SUB17 15-SUB3-1	25-SUB7-1		Before 1968 After 1968	35-SUB49 35-SB1-1
BAR CUTTER (A)	Before 1965 After 1965	0-BCA4-2 0-BCA5-1	5-BCA-1		Before 1975 After 1975	15-BCA9-1 15-BCA4-1	Before 1963 After 1963	25-BCA6-1 25-BCA0-1	35-BCA5-1	
BAR CUTTER (B)	Before 1965 After 1965	0-BCB4-3 0-BCB5-2	5-BCB2-1		Before 1975 After 1975	15-BCB9-2 15-BCB4-2	Before 1963 After 1963	25-BCB6-2 25-BCB0-2	35-BCB5-2	
BAR CUTTER (C)	0BCC5-3		5-BCC2-3		Before 1975 After 1975	15-BCC9-1 15-BCC5-1	25-BCC0-3		35BCC5-3	
BAR CUTTER (D)	0BCD5-1		Before 1963 After 1963	5-BCD0-1 5-BCD9-1	Before 1975 After 1975	15-BCD9-1 15BCD5-1	Before 1963 After 1963	25-BCD5-1 25-BCD1-1	35-BCD6-1	
BAR CUTTER (E)	No "E" Knife		Before 1963	5-BCE0-2	No "E" Knife		Before 1963	25-BCE5-2	No "E" Knife	
							No "E" Knife after 1963			

STOCK ITEMS: Shipped Same Day (For stock items see page 16, 17, 18 and 25) • **EXPRESS ITEMS:** Shipped Within 48 Hours



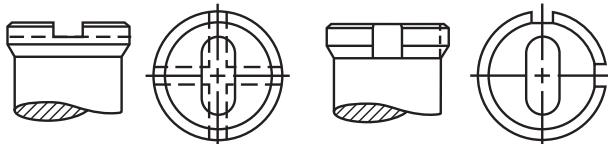
*Shaped dies have
2 pin holes and
2 set screw spots*



*For 100XX tooling,
see page 66*



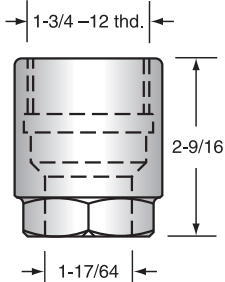
*All shaped punches other than round
have either top or side keyways.*



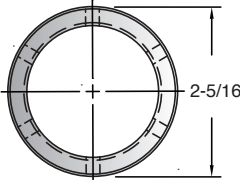
SHEAR BLADES FOR CONTROLLED AUTOMATION

CONTROLLED AUTOMATION PART NO.	AMERICAN PUNCH PART NO.	DESCRIPTION	
DCS346	APS-2055	Angle Blade	STOCK
DCS347	APS-2063	Lower Left Blade	STOCK
DCS348	APS-2064	Lower Right Blade	STOCK
PAL-229	APS-4185	Angle Blade	STOCK
PAL-227/228	APS-4184	Lower Angle Blades (2)	STOCK
PAL-284	APS-6187	Flat Bar	STOCK
ABL-315	APS-6186	Lower Angle Blades (2)	STOCK
BDS-200	APS-9436	Angle Blade	NON-STOCK
HDC-200	APS-10463	Angle Blade	NON-STOCK
BDS-210A	APS-9437	Lower Blades (2)	NON-STOCK
BAS-200	APS-9146	Angle Blade	NON-STOCK
BAS-201	APS-8876	Flat Bar	NON-STOCK
BAS-202	APS-8422	Lower Blades (2)	NON-STOCK

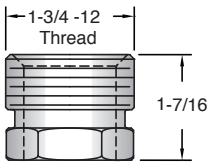
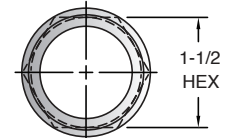
COUPLING NUTS



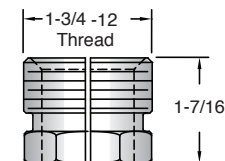
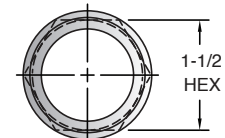
APS-2894



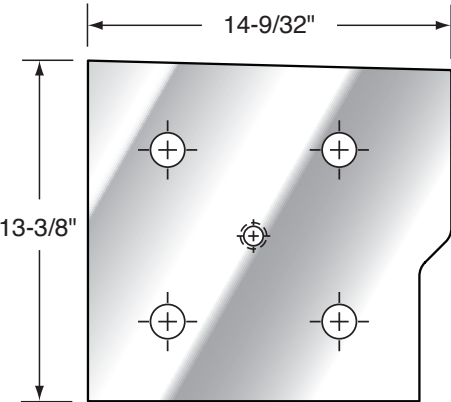
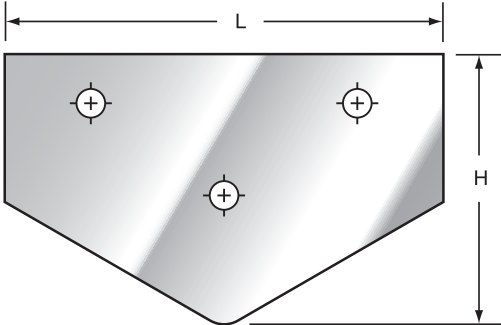
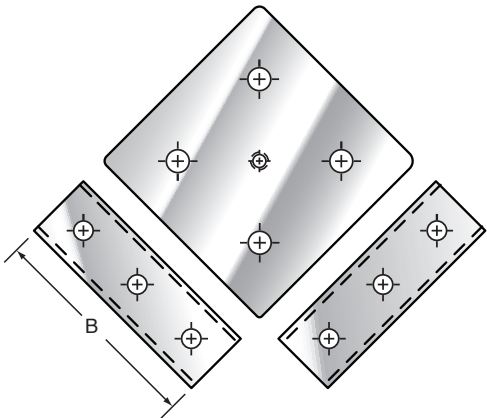
APS-7112



APS 7862

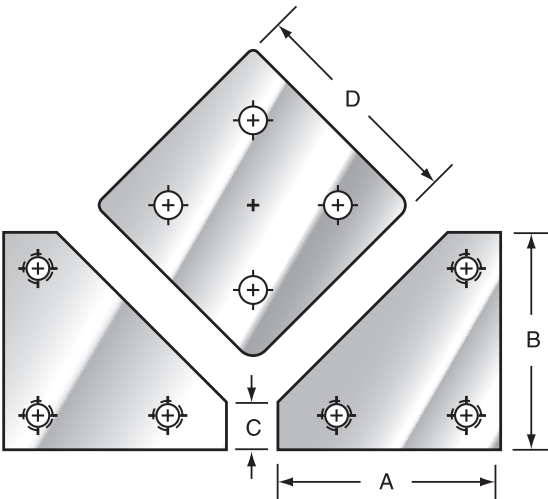


APS 7862 Split



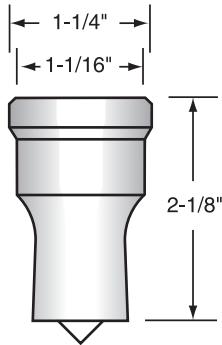
APS-8876

Controlled Automation BAS-201

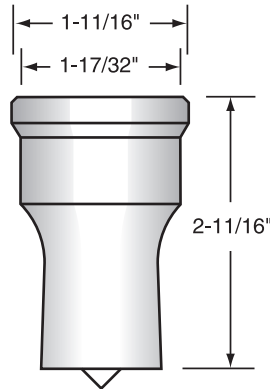


STOCK ITEMS: Shipped Same Day (For stock items see page 16, 17 & 18) • **EXPRESS ITEMS:** Shipped Within 48 Hours

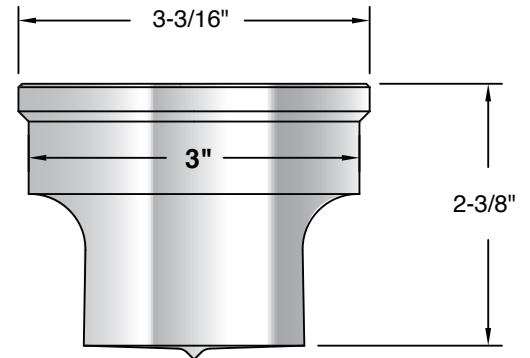
OVERSIZE TOOLING



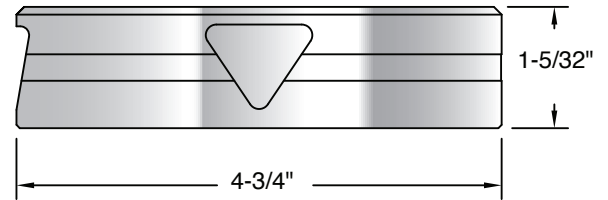
119
STOCK



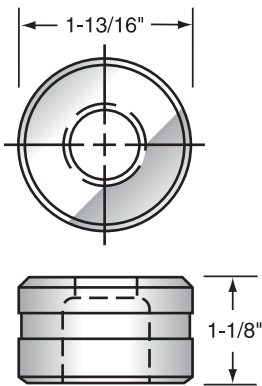
128
STOCK



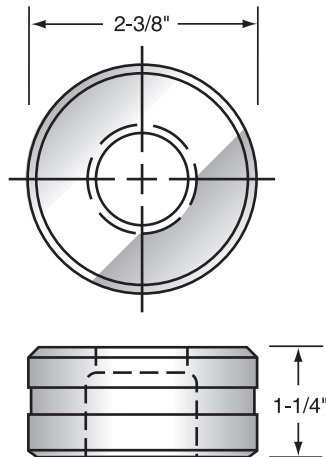
141



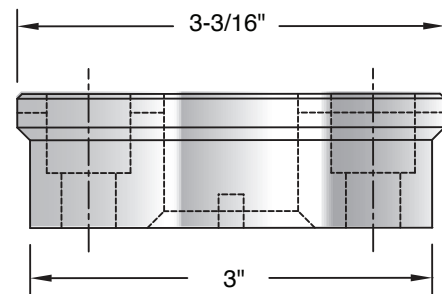
100XX 4-3/4 Oversize Die



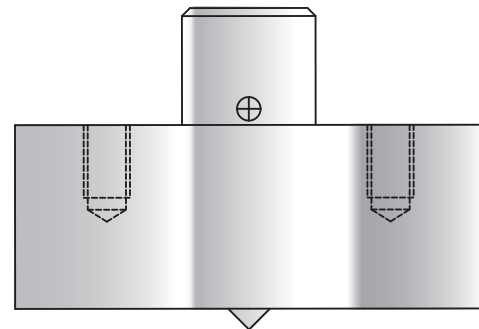
313
STOCK



319
STOCK



10434 Four (4) Bolt Oversize Holder
11647 Two (2) Bolt Oversize Holder



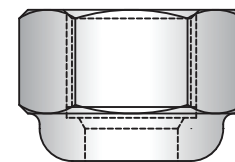
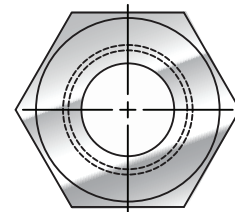
Oversize Bit

SHEAR BLADES FOR EDWARDS, HAWTHORNE & PITTSBURGH



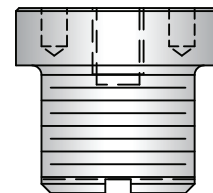
MODEL	EDWARDS PART NO.	AMERICAN PUNCH PART NO.	DESCRIPTION	
FLAT BAR SHEAR BLADES				
50 TON	T20003	APS-10752	Flat Bar 1/2T X 2W X 10L	STOCK
55 TON	T20004	APS-8317	Flat Bar 1/2T X 2W X 14L	STOCK
65/115 TON	T20005	APS-10753	Flat Bar 3/4 T X 2W X 24L	STOCK
75/100 TON	T20006	APS-10754	Flat Bar 3/4T X 2W X 14L	STOCK
100 TON DELUX	T20020	APS-12113	Flat Bar 3/4T X 2W X 18L	NON-STOCK
ANGLE SHEAR BLADES				
50/55 TON	T20101	APS-8289	Upper Angle Blade	STOCK
50/55 TON	T20102	APS-7281	Lower Angle Blades (2)	STOCK
65/75 TON	T20103	APS-10757	Upper Angle Blade	STOCK
65/75 TON	T20104	APS-10758	Lower Angle Blades (2)	STOCK
100/115 TON	T20105	APS-11936	Upper Angle Blade	NON-STOCK
100/115 TON	T20106	APS-11937	Lower Angle Blades (2)	NON-STOCK

COUPLING NUTS

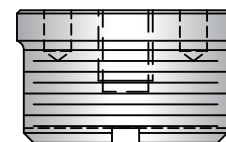


119-APS-11710
128-A21C
STOCK

PUNCH STEMS

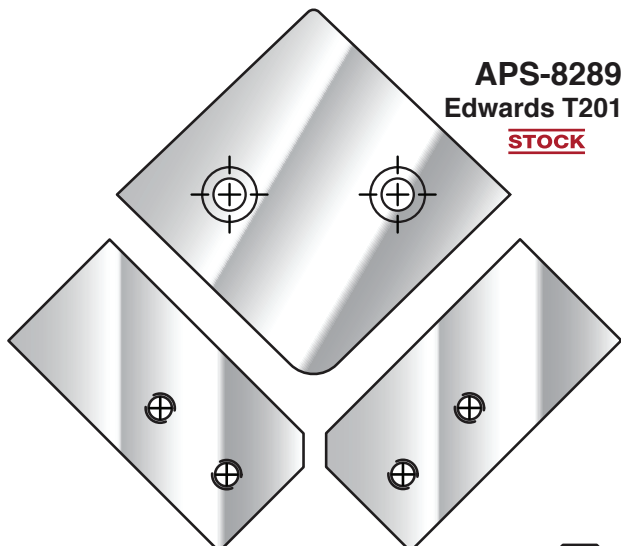


APS-12854-119



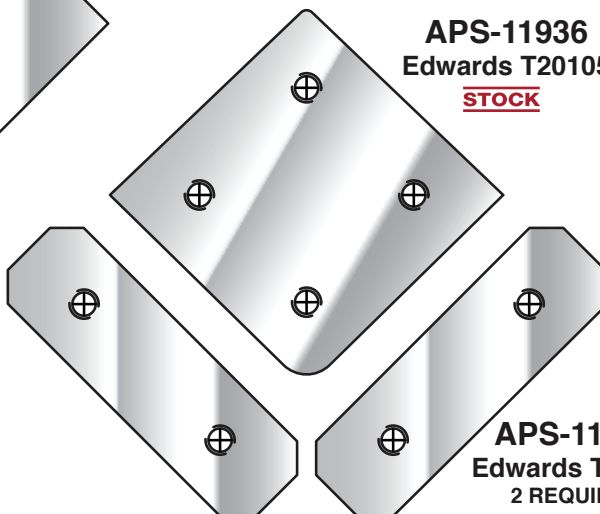
APS-12854-128

APS-8289
Edwards T20101
STOCK



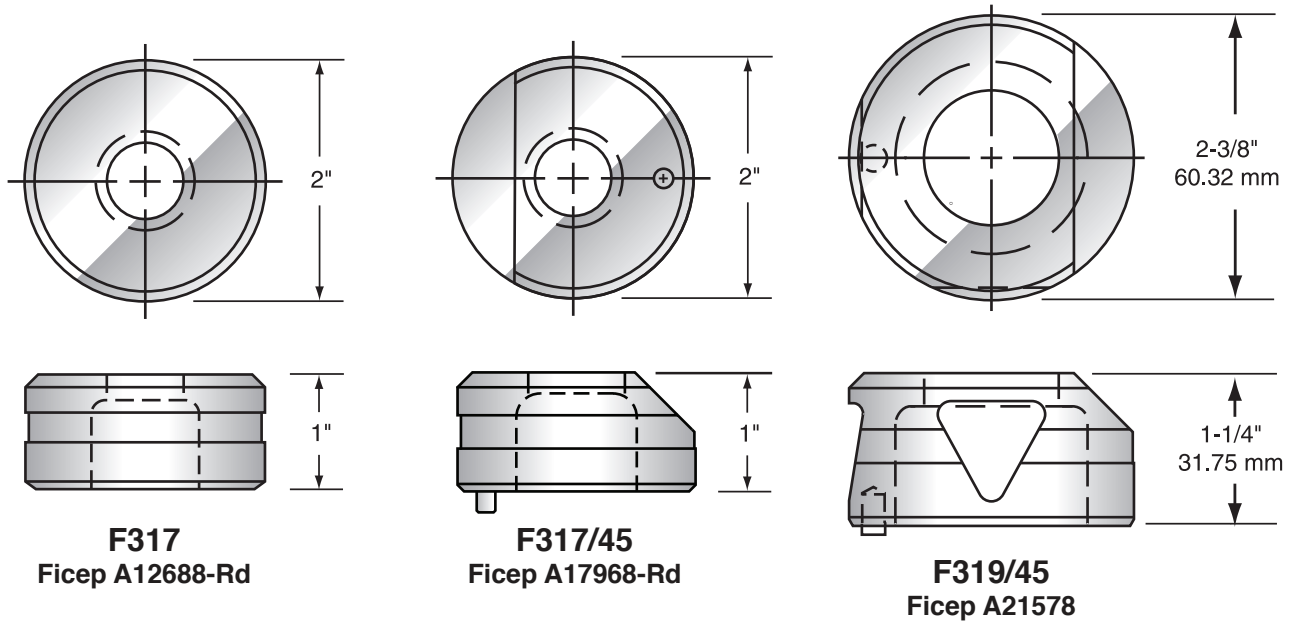
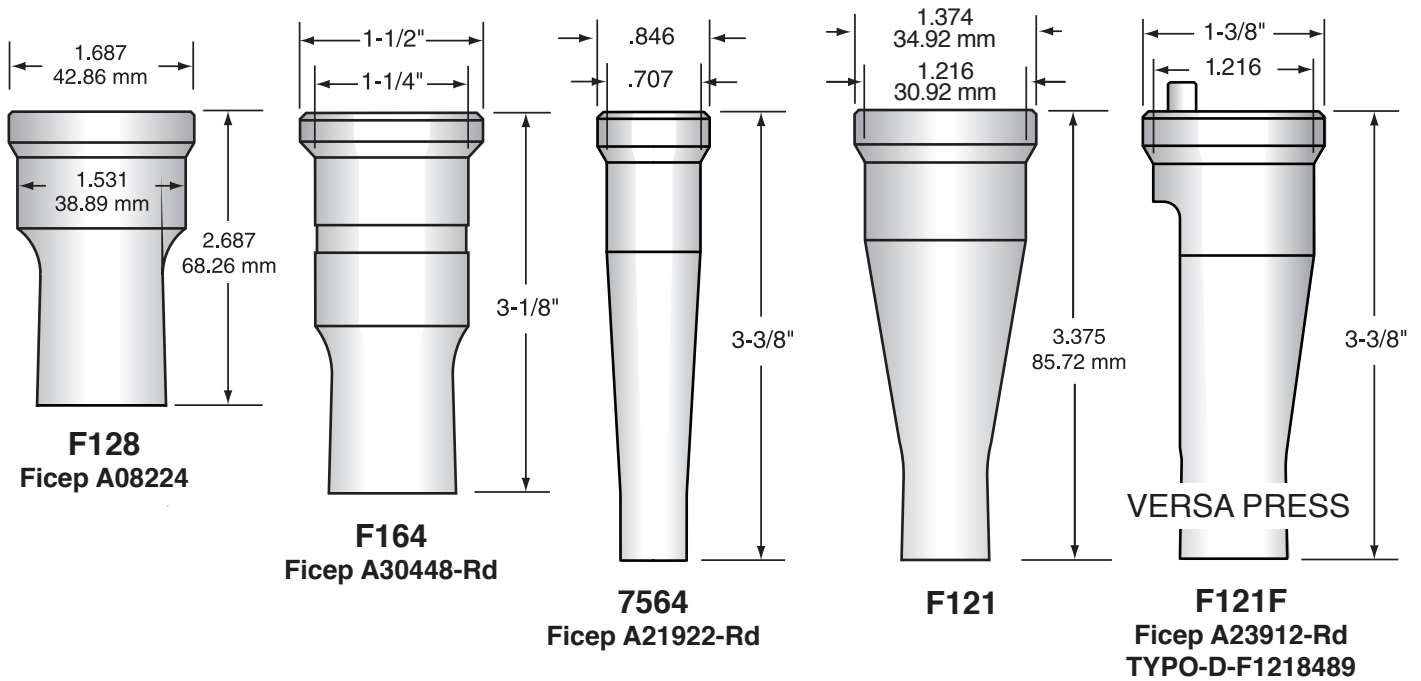
APS-7281
Edwards T20102
2 REQUIRED
STOCK

APS-11936
Edwards T20105
STOCK

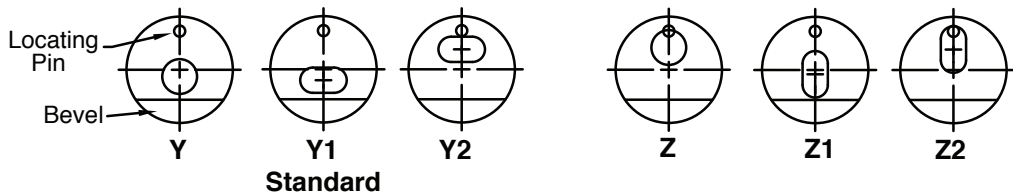


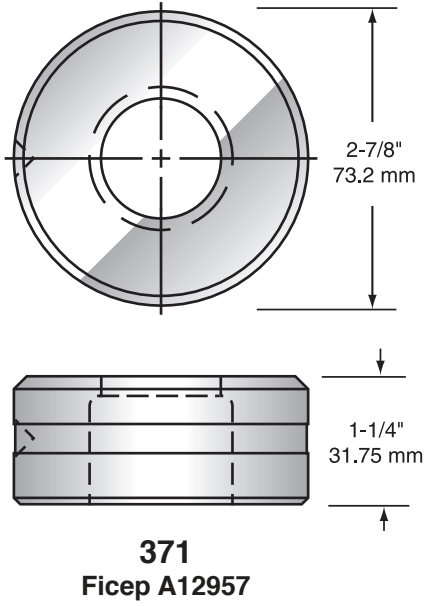
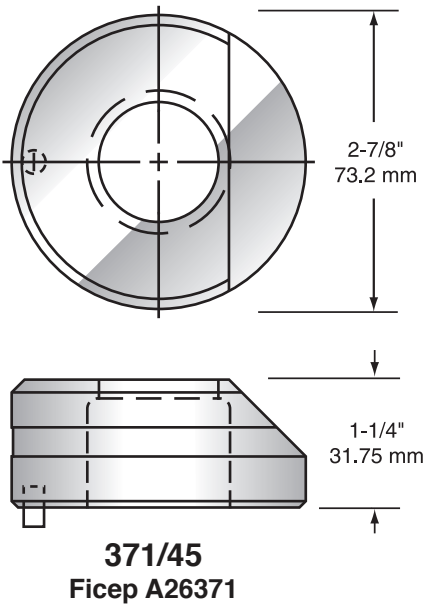
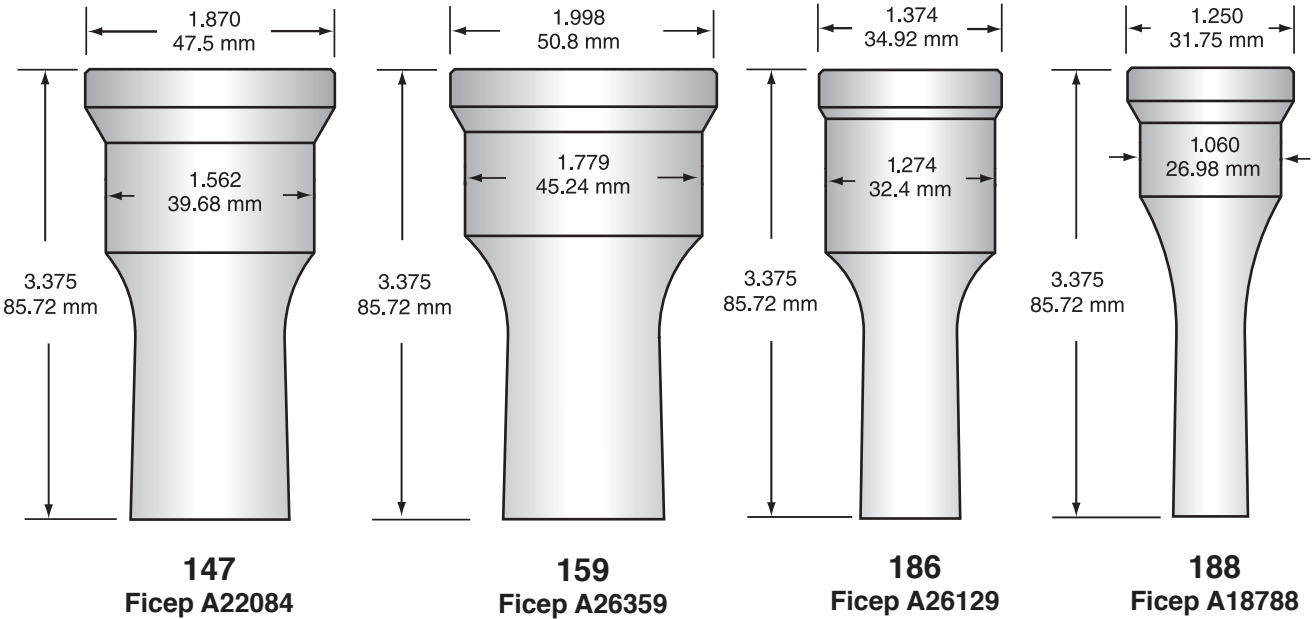
APS-11937
Edwards T20106
2 REQUIRED
STOCK

STOCK ITEMS: Shipped Same Day • **EXPRESS ITEMS:** Shipped Within 48 Hours

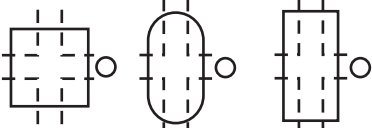


Offset Position

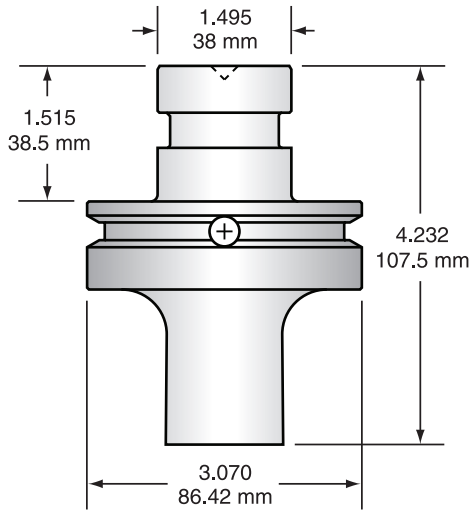




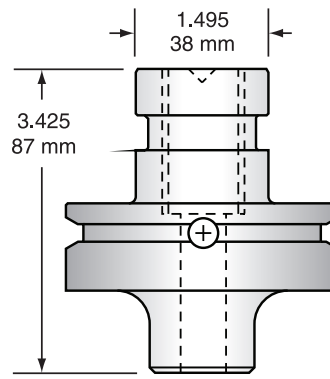
All shaped dies supplied with 1 pin



All shaped punches supplied with 2 keyways or 1 pin

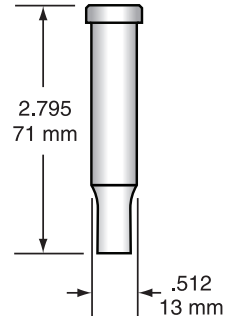


8294
Ficep A30604



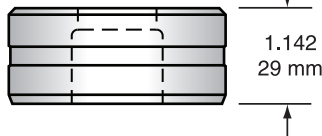
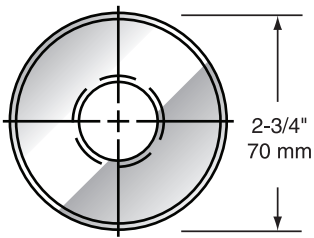
8300
Ficep 726471

For hole sizes to .510



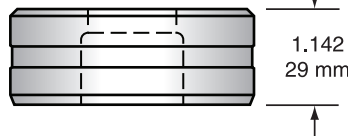
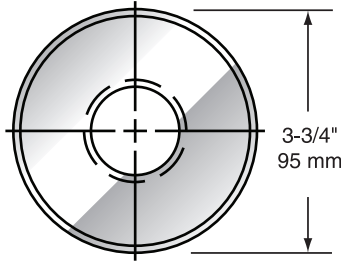
7745
Ficep A30493

For hole size
.191 to 1.180



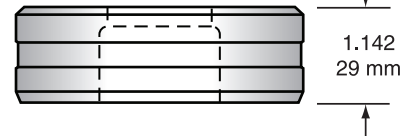
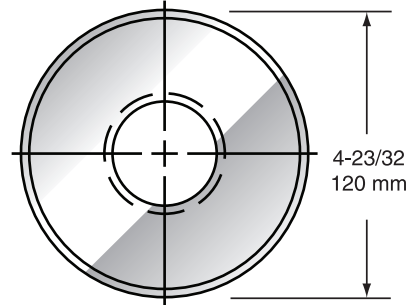
7610
Ficep A30491

For hole size
1.181 to 2.362



7611
Ficep A30537

For hole size
2.363 to 2.952

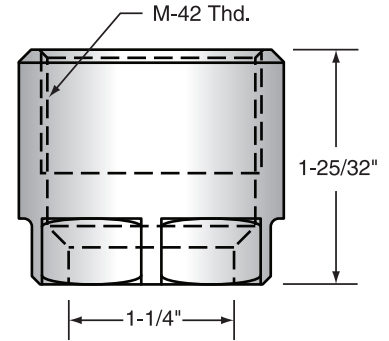


7612
Ficep A30538

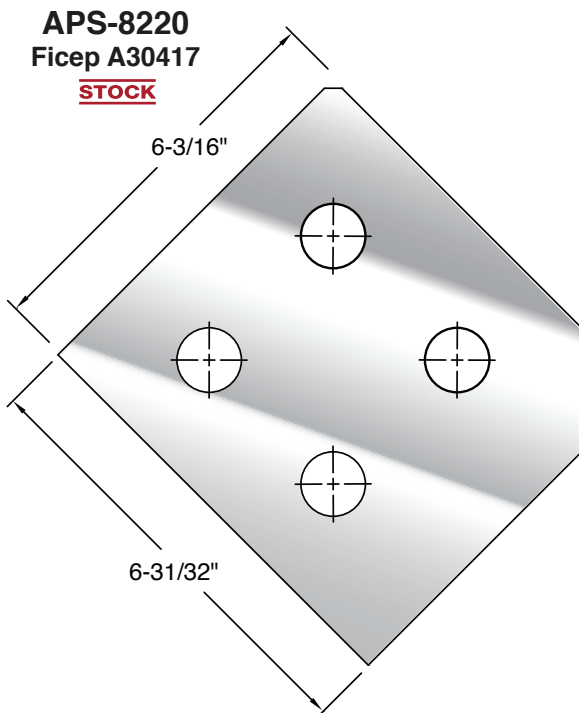
SHEAR BLADES FOR FICEP

FICEP PART NO.	AMERICAN PUNCH PART NO.	DESCRIPTION	
A30417	APS-8220	Flat Bar	STOCK
A30387	APS-8237	Upper Angle Blade	STOCK
A30388	APS-8238	Lower Angle Blade (2)	STOCK
A30545	APS-9162	Upper Angle Blade	STOCK
A30541E	APS-9184	Lower Angle Blade (2)	STOCK
A24290	APS-7769	Upper Angle Blade	NON-STOCK
A24291	APS-7768	Lower Angle Blade (2)	NON-STOCK
A25468E	APS-10645	Flat Bar	NON-STOCK
A25902	APS-7770	Flat Bar	NON-STOCK
A30540	APS-9419	Upper Angle Blade	NON-STOCK
A30542	APS-9713	Flat Bar	NON-STOCK
A30805	APS-9447	Coper Punch	NON-STOCK
A30806	APS-9448	Front Coper Die	NON-STOCK
A30807	APS-9449	Side Coper Dies (2)	NON-STOCK
A30468	APS-10054	Notcher Punch	NON-STOCK
A30467	APS-11103	Notcher Dies (2)	NON-STOCK
A30543E	APS-13396	Angle Blade	NON-STOCK
A30544E	APS-13397	Lower Angle Blade (2)	NON-STOCK

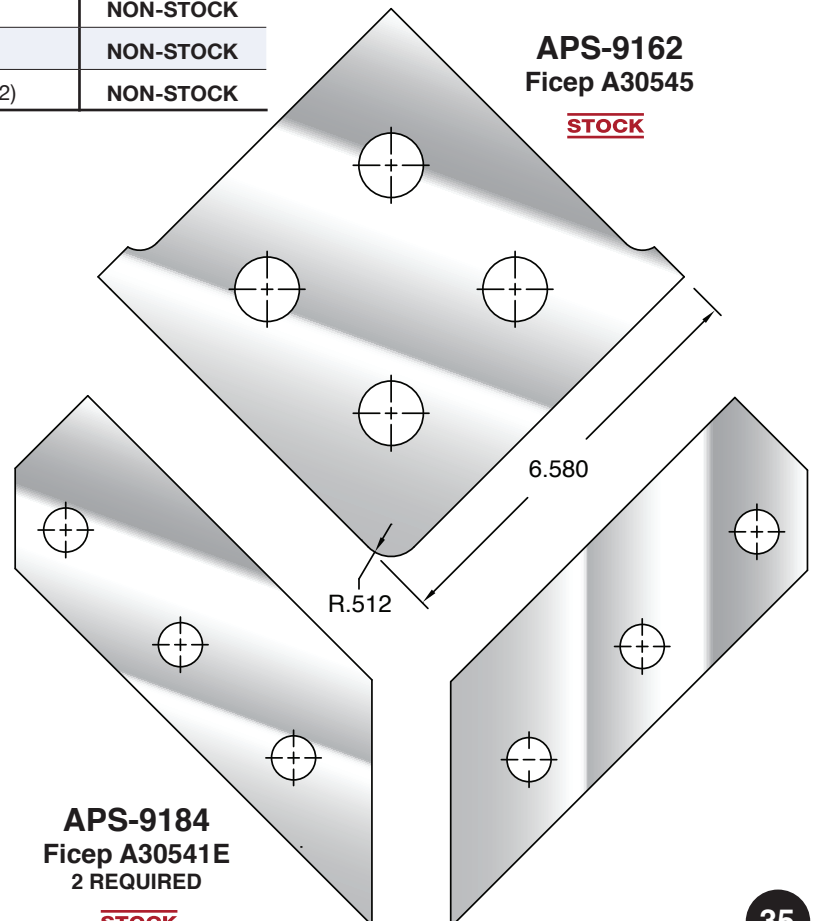
COUPLING NUT



APS-7937
Ficep A30449



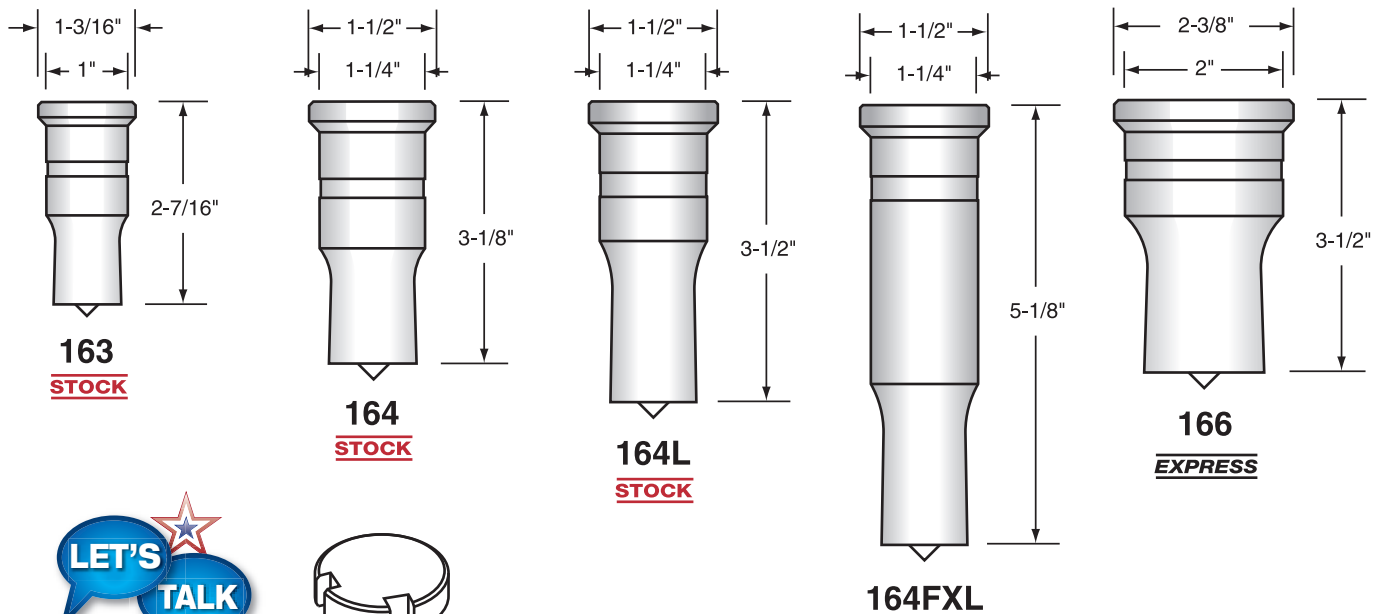
APS-8220
Ficep A30417
STOCK



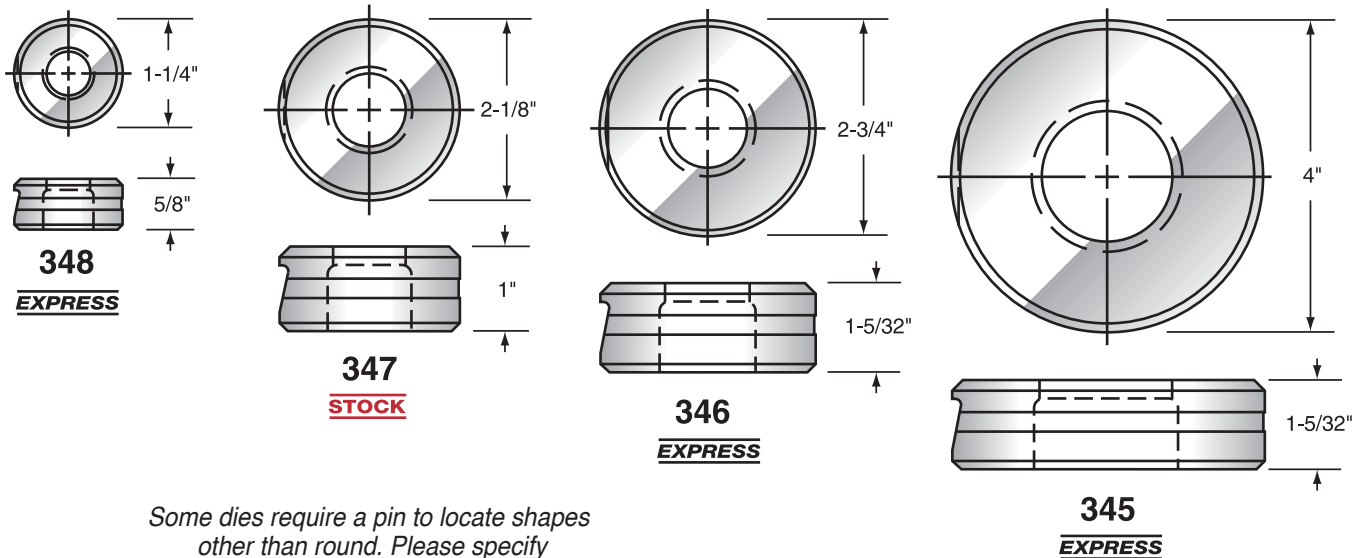
APS-9162
Ficep A30545
STOCK

APS-9184
Ficep A30541E
2 REQUIRED
STOCK

STOCK ITEMS: Shipped Same Day (For stock items see page 25) • **EXPRESS ITEMS:** Shipped Within 48 Hours



All shapes other than round will have 2 side head keyways. Please specify FRANKLIN when ordering.

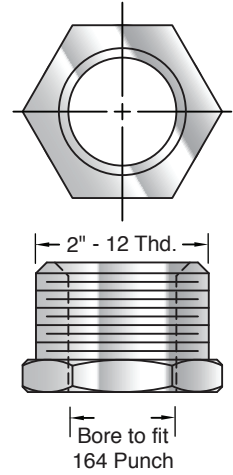


Some dies require a pin to locate shapes other than round. Please specify if pins are required.

SHEAR BLADES FOR FRANKLIN

FRANKLIN MODEL	AMERICAN PUNCH PART NO.	DESCRIPTION	
1504	APS-402	Upper Angle Blade	NON-STOCK
1504	APS-368	Lower Angle Blade	NON-STOCK
1506	APS-2277	Upper Angle Blade	NON-STOCK
1506	APS-2276	Lower Angle Blade	NON-STOCK
OTHER	APS-10035	Franklin 775459-C	NON-STOCK

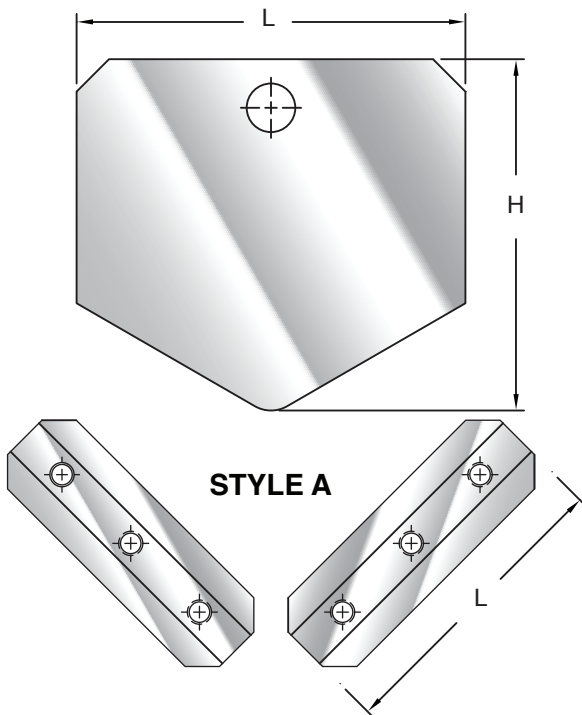
COUPLING NUT



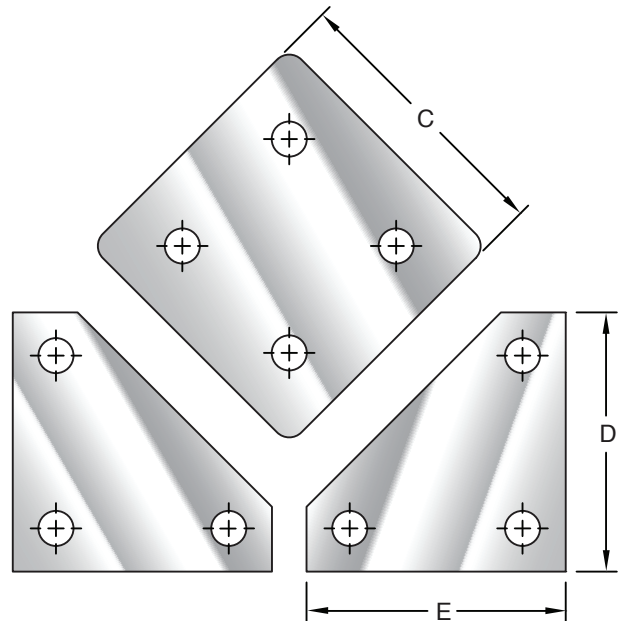
APS-7950



FLAT BAR BLADE

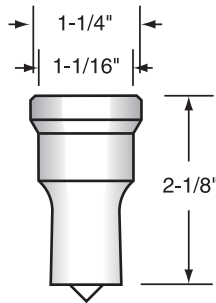


STYLE A

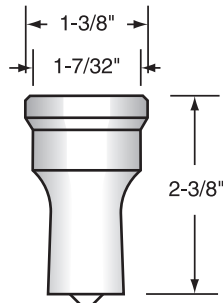


STYLE B

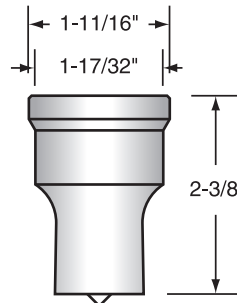
STOCK ITEMS: Shipped Same Day (For stock items see page 16, 17 & 18) • **EXPRESS ITEMS:** Shipped Within 48 Hours



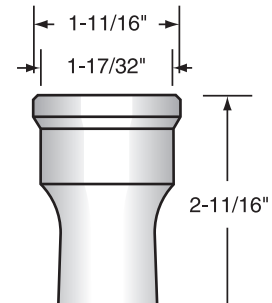
119
STOCK



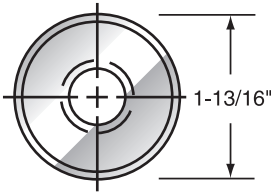
121
STOCK



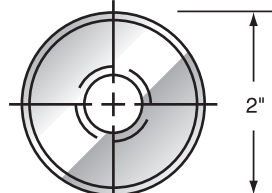
128S
EXPRESS



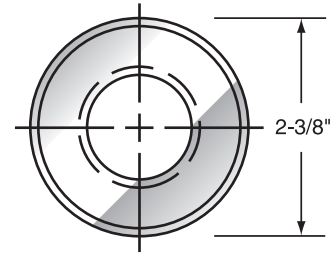
128
STOCK



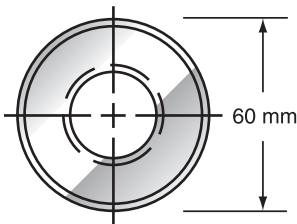
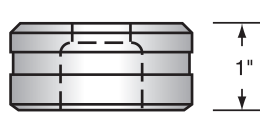
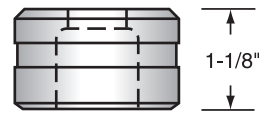
313
STOCK



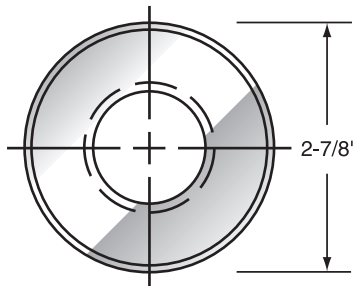
317
STOCK



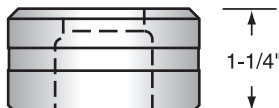
319
STOCK



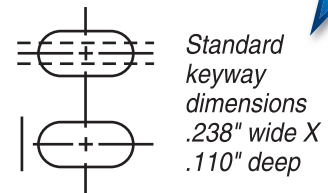
360
EXPRESS



321
EXPRESS

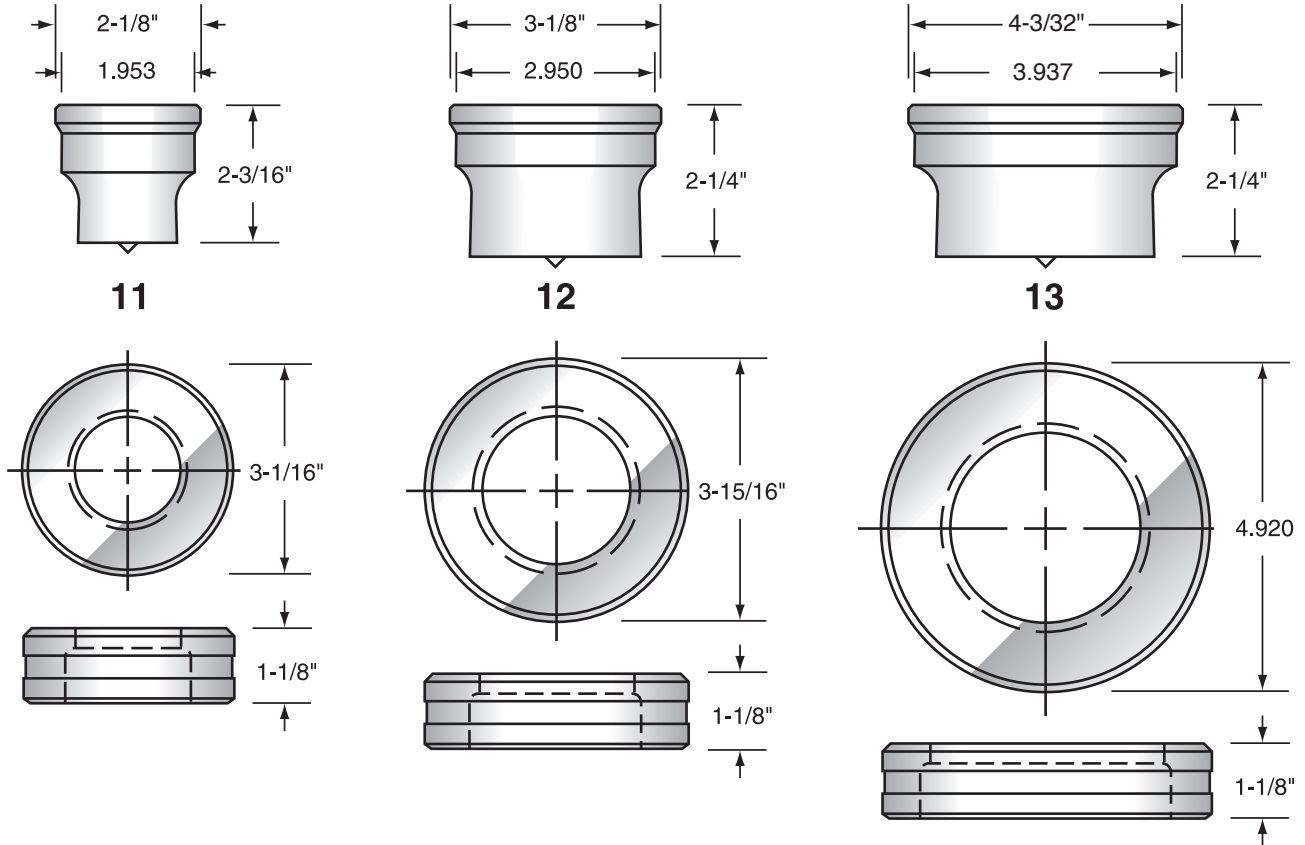


American Punch recommends a keyway in all shaped punches and set screw spots on all shaped dies.

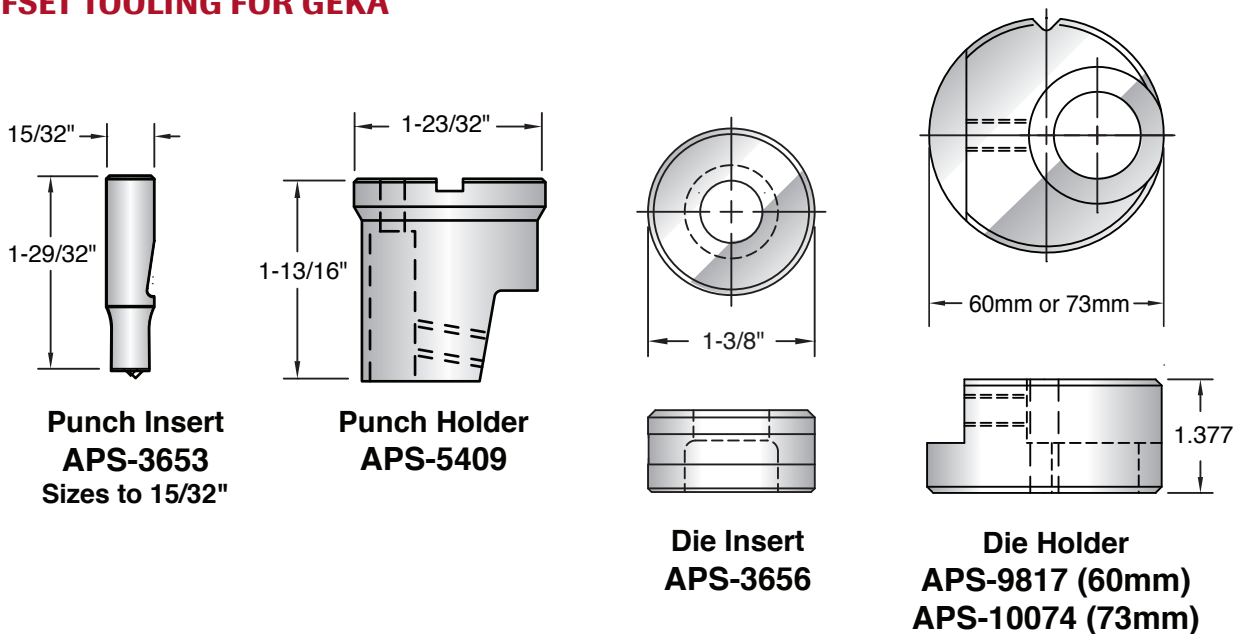


Please specify your Geka model for correct key and spot dimensions.

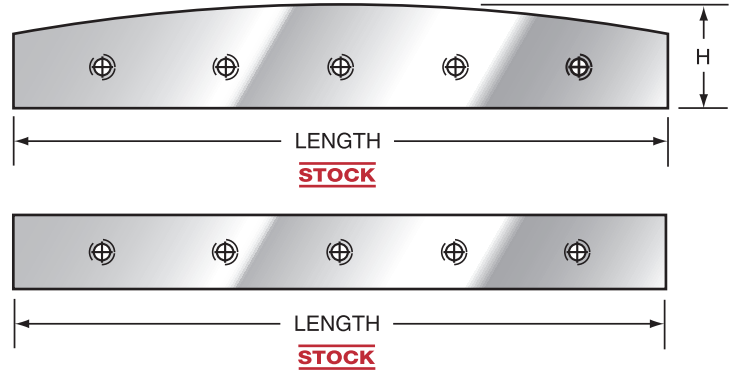
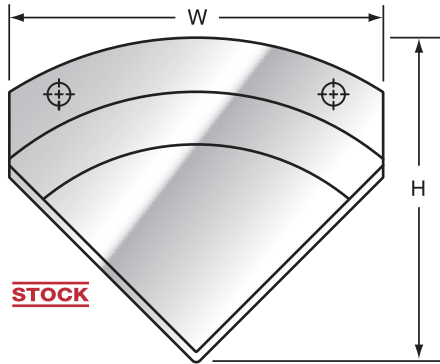
OVERSIZE TOOLING FOR GEKA



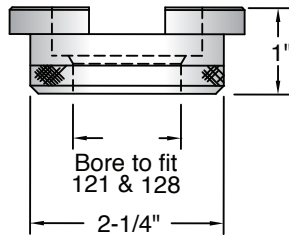
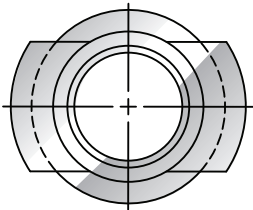
OFFSET TOOLING FOR GEKA



SHEAR BLADES FOR GEKA



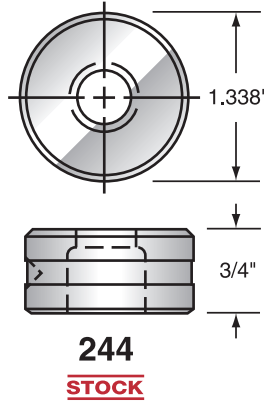
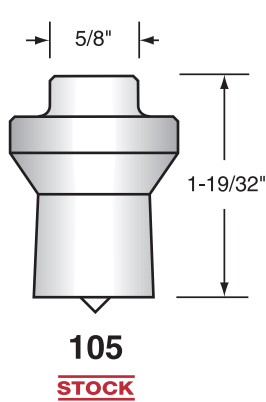
QUICK CHANGE SLEEVE



Quick Change Sleeve
APS-8260

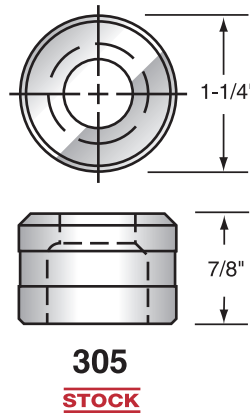
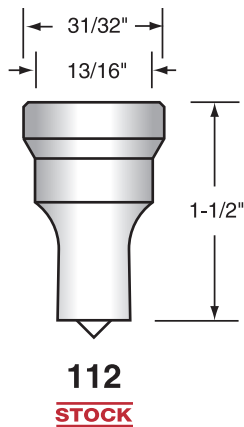
GEKA PART NO.	AMERICAN PUNCH PART NO.	DESCRIPTION	
ANGLE BLADES			
HYD55-15-5	APS-10032	Upper Angle Blade	STOCK
HYD55-15-3	APS-10034	Lower Long Angle Blade	STOCK
HYD55-15-4	APS-10033	Lower Short Angle Blade	STOCK
HYD80-15-5	APS-8628	Upper Angle Blade	STOCK
HYD100-15-5	APS-7752	Upper Angle Blade	STOCK
HYD110-15-5	APS-7561	Upper Angle Blade	STOCK
HYD110/100/80-15-3	APS-7568	Lower Long Angle Blade	STOCK
HYD110/100/80-15-4	APS-7567	Lower Short Angle Blade	STOCK
HYD165-15-5	APS-7240	Upper Angle Blade	STOCK
HYD165-15-3	APS-13348	Lower Long Angle Blade	STOCK
HYD165-15-4	APS-13349	Lower Short Angle Blade	STOCK
FLAT BAR UPPER BLADES			
I-46A	APS-5305	12" Curved Blade	STOCK
I-46A	APS-2798	18-23/32" Curved Blade	STOCK
I-46A	APS-3765	24" Curved Blade	STOCK
FLAT BAR LOWER BLADES			
I-46	APS-5304	12" Straight Blade	STOCK
I-46	APS-2799	18-23/32" Straight Blade	STOCK
I-46	APS-7137	24" Straight Blade	STOCK

TOOLING FOR HUSKIE / POWER TEAM / PORTA-PUNCH



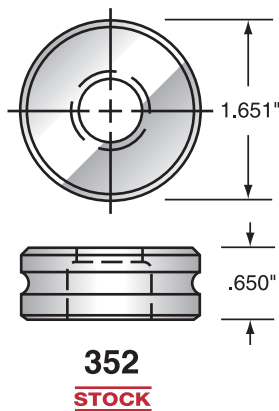
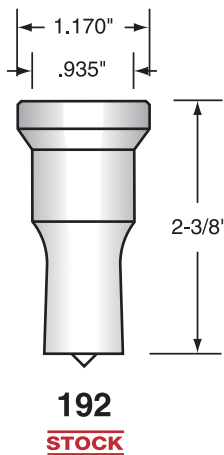
STOCK SIZES
5/16
7/16
9/16
11/16
13/16

TOOLING FOR ENERPAC



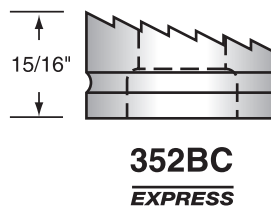
STOCK SIZES
5/16
7/16
9/16
11/16
13/16

TOOLING ALFRA / NITTO KOHKI



APS-9288 Coupling Nut
for Alfra is *STOCK*

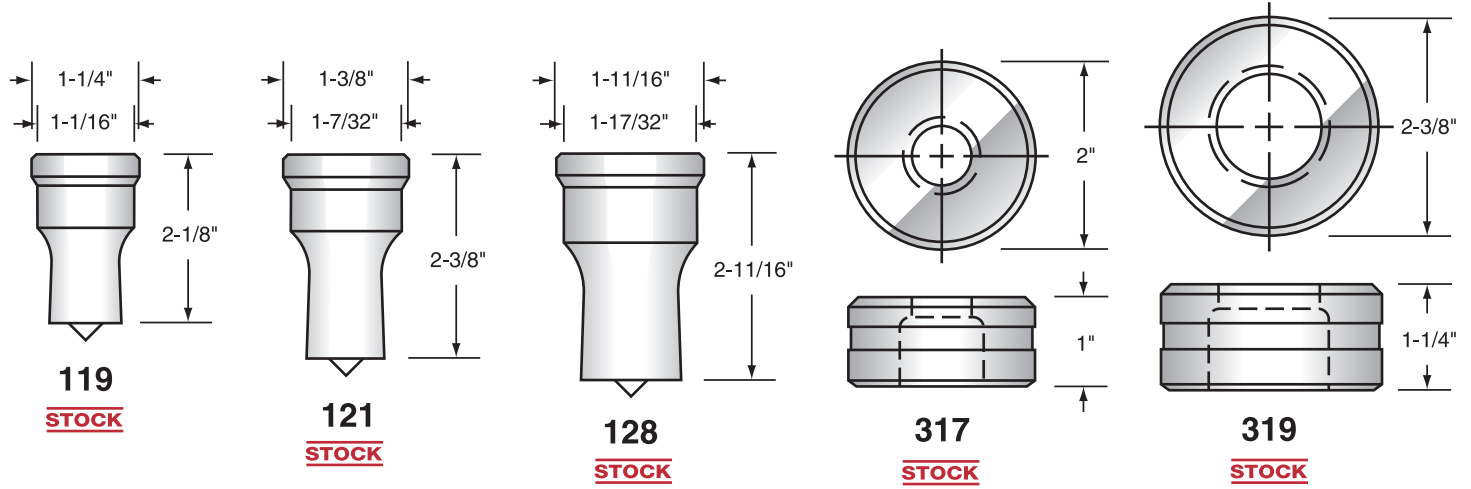
APS-9729 Coupling Nut
for Nitto Kohki is *NON-STOCK*



STOCK SIZES
5/16
7/16
9/16
11/16
13/16
15/16

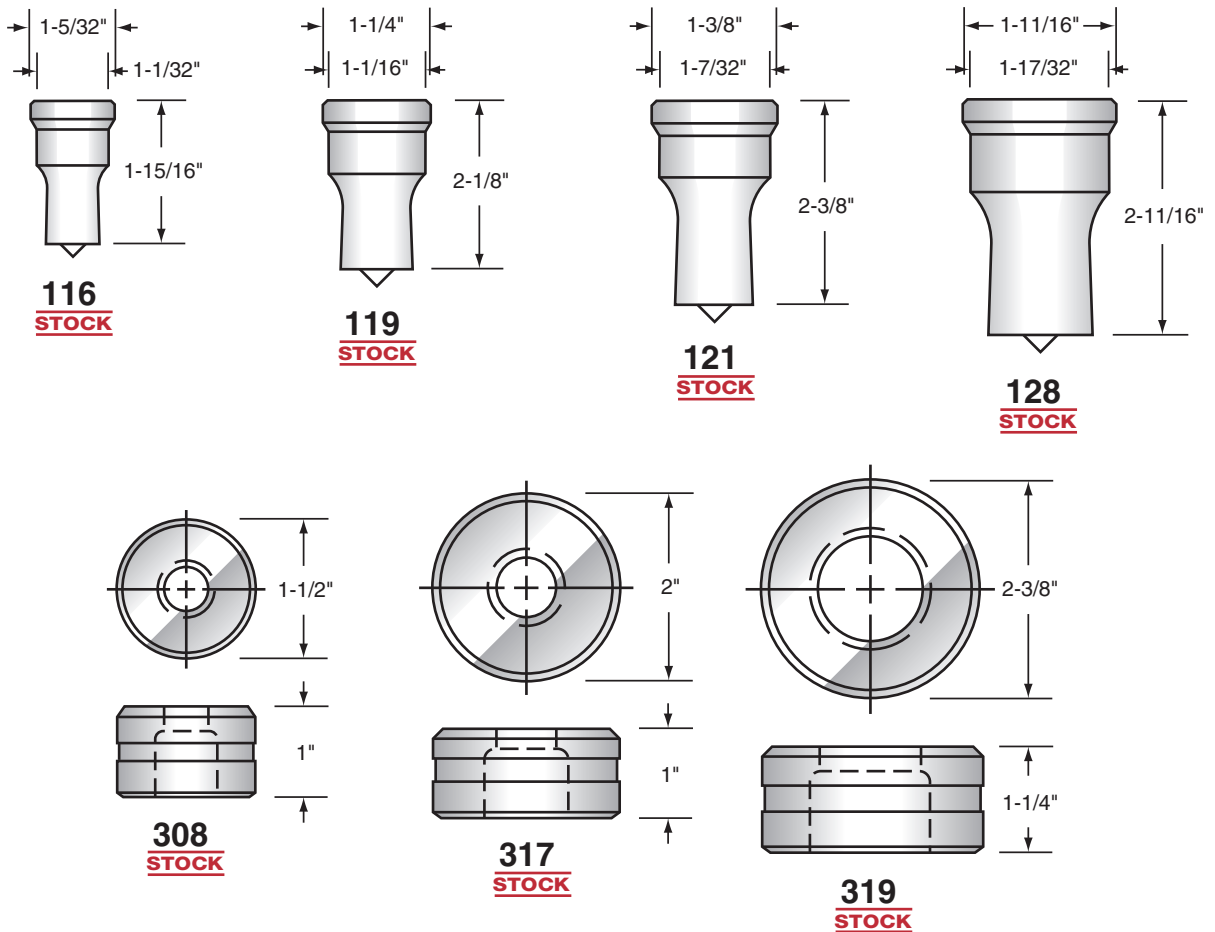
HMI, METAL MUNCHER & CLAUSING IRONWORKERS

STOCK ITEMS: Shipped Same Day (For stock items see page 16, 17 & 18) • **EXPRESS ITEMS:** Shipped Within 48 Hours

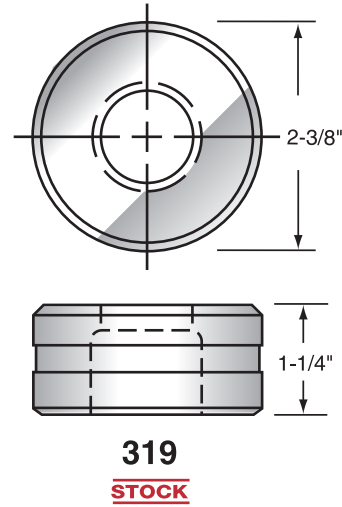
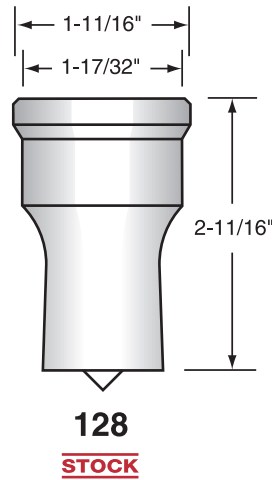
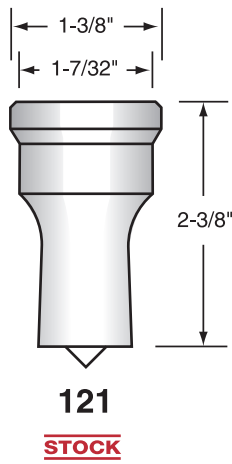


HILL ACME, IRONCRAFTER & KLING IRONWORKERS

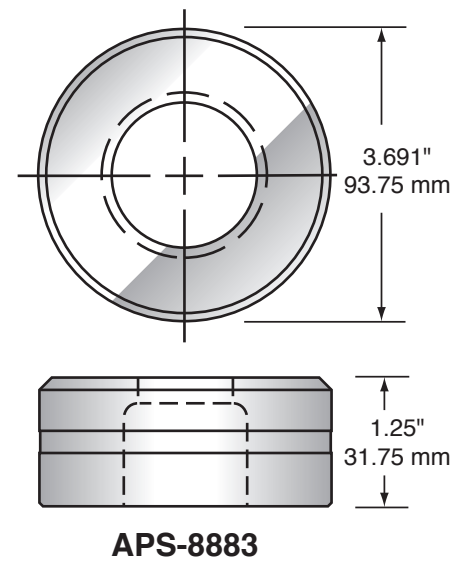
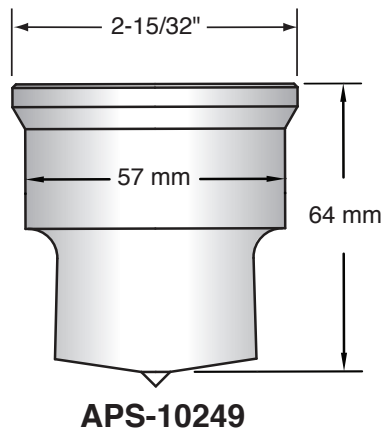
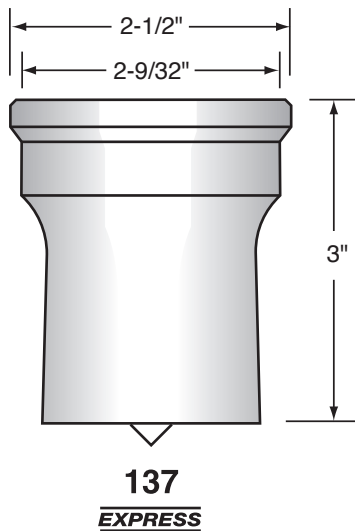
STOCK ITEMS: Shipped Same Day (For stock items see page 16, 17 & 18) • **EXPRESS ITEMS:** Shipped Within 48 Hours



STOCK ITEMS: Shipped Same Day (For stock items see page 16, 17 & 18) • **EXPRESS ITEMS:** Shipped Within 48 Hours



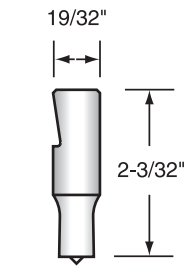
OVERSIZE TOOLING FOR KINGSLAND



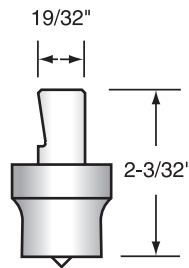
KINGSLAND PART NO.	AMERICAN PUNCH PART NO.	OVERSIZE PUNCH SIZES
9010	APS-10825	Sizes to 86mm/3.3853
9011	APS-13401	Sizes to 110mm/4.330

KINGSLAND PART NO.	AMERICAN PUNCH PART NO.	OVERSIZE DIE SIZES
9025	APS-10824	115mm O.D.
9026	APS-13402	140mm O.D.

STOCK ITEMS: Shipped Same Day (For stock items see page 16, 17 & 18) • **EXPRESS ITEMS:** Shipped Within 48 Hours

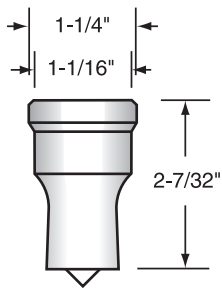
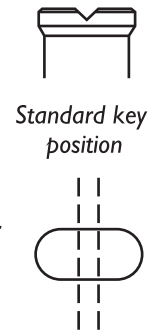


BF10
EXPRESS
Up to 9/16"

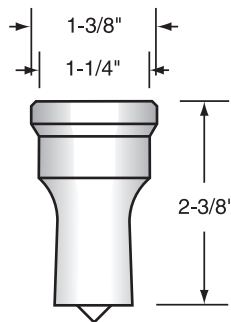


BF10
EXPRESS
Up to 1-1/4"

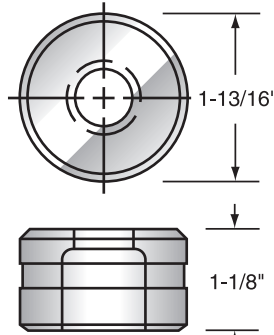
BF10 uses a H1 die. All oblong, square, rectangular and hex dies have 2 drill spots. Punches have 1 keyway.



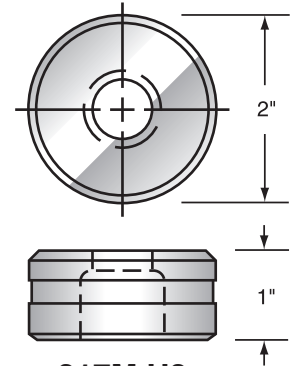
119M H1
STOCK



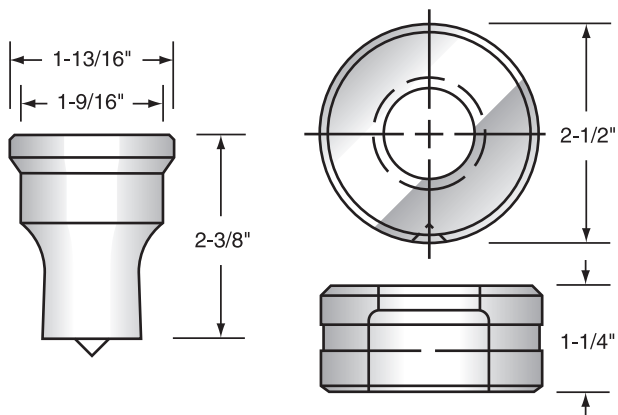
121M H2
STOCK



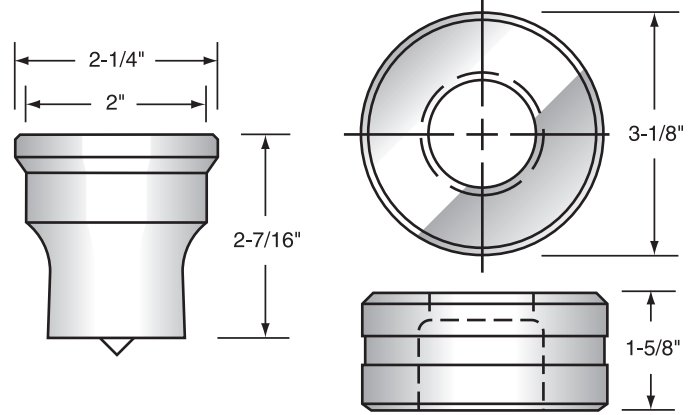
313M H1
STOCK



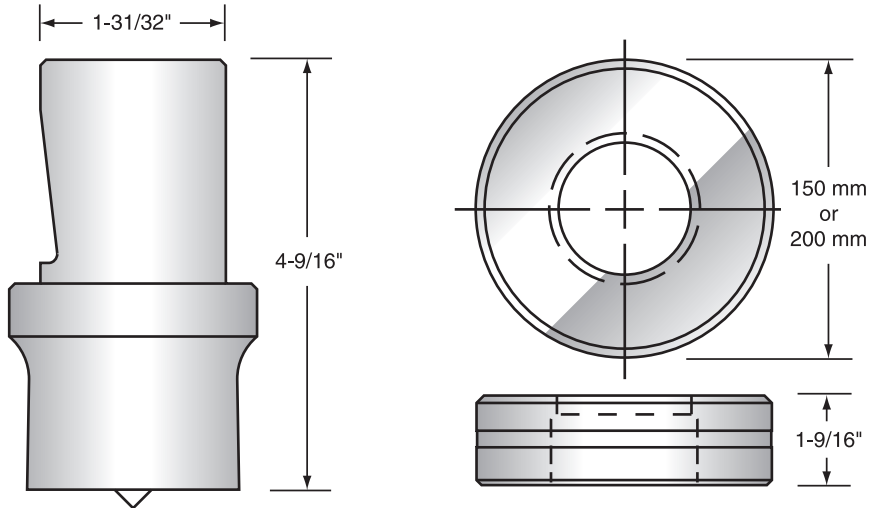
317M H2
STOCK



A3
EXPRESS

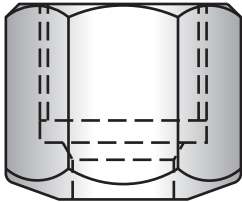


A4
EXPRESS

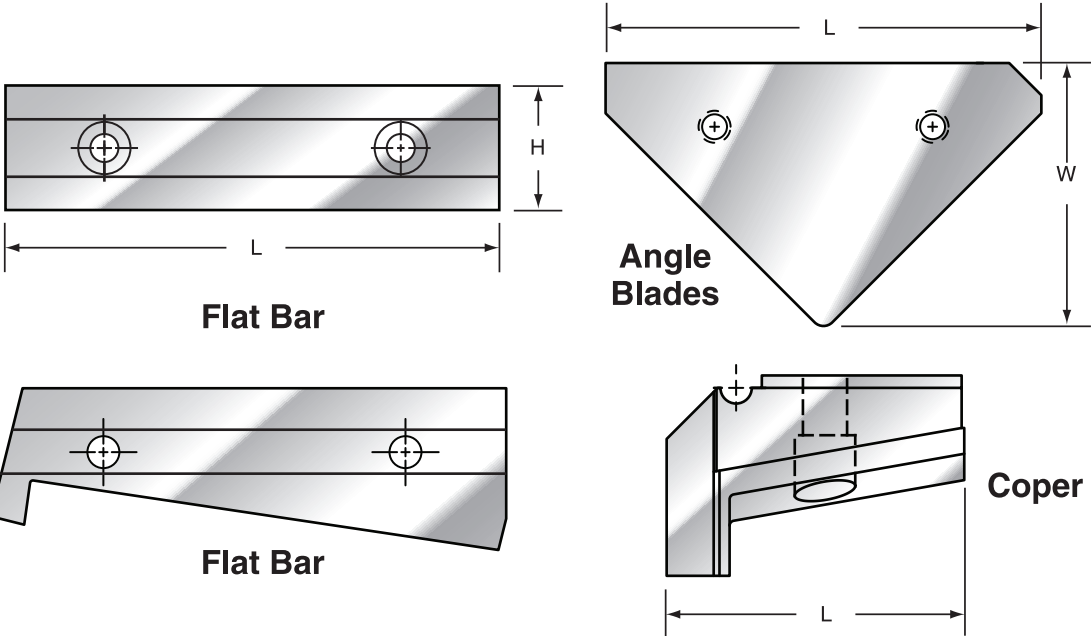


A5

H1 (STOCK), H2, H3, H4 COUPLING NUT FOR MUBEA

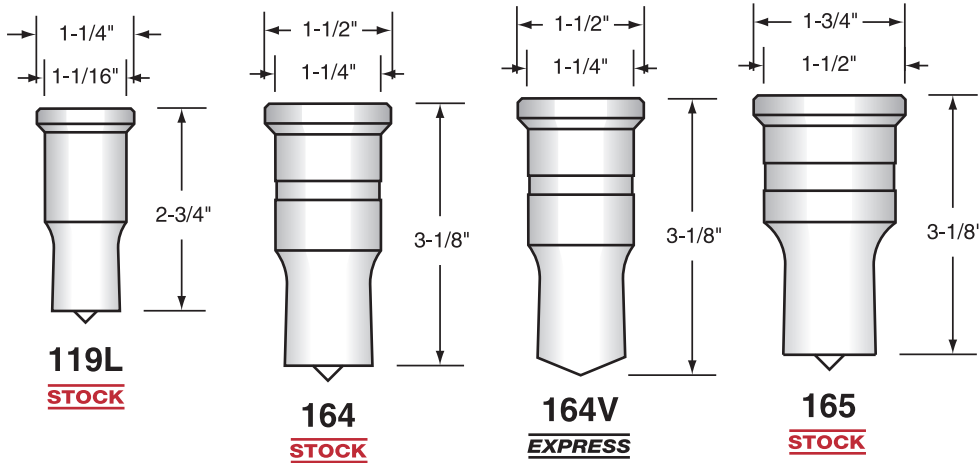


SHEAR BLADES AND COPER & P NOTCHER BLADES FOR MUBEA

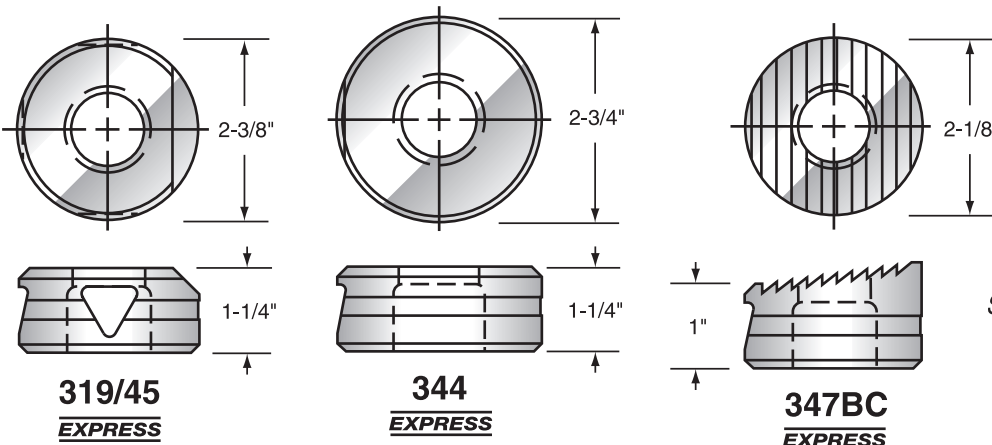
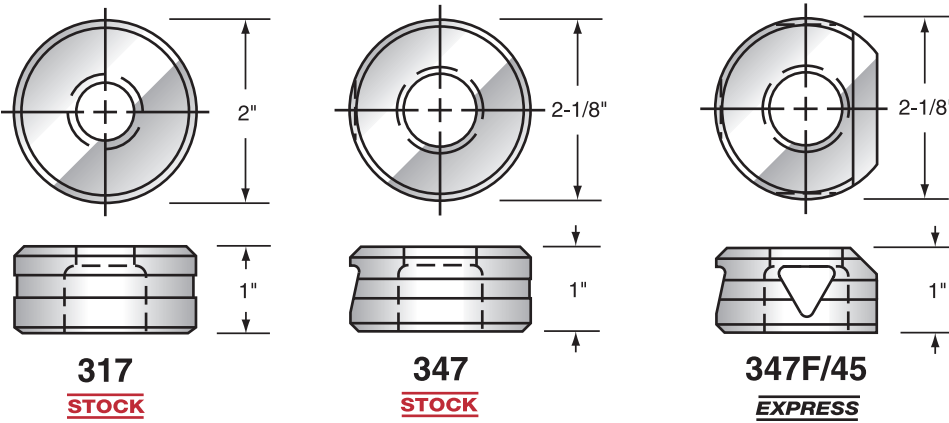
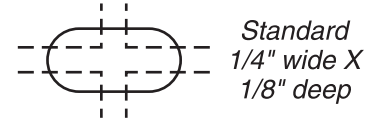


PEDDINGHAUS & OCEAN CLIPPER ANGLELINE & BEAMLINE

STOCK ITEMS: Shipped Same Day (For stock items see page 16, 17, 18 & 25) • **EXPRESS ITEMS:** Shipped Within 48 Hours



All shaped punches are supplied with 2 keyways.



PEDDINGHAUS standard position in relation to bevel, flat or corrugation.

PUNCHES	
PEDDINGHAUS PART NO.	AMERICAN PUNCH PART NO.
132	119L
272	164
274	164V
282	165

DIES	
PEDDINGHAUS PART NO.	AMERICAN PUNCH PART NO.
271	347
281	319
401	344

Straight or smoothbore available upon request.



No counterbore.

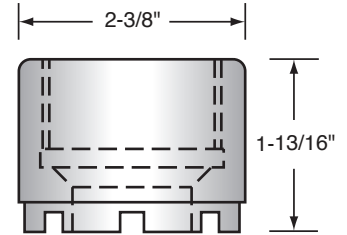
Bevel-corrugated available in all die styles.

SHEAR BLADES FOR PEDDINGHAUS ANGLELINE & BEAMLINE

PEDDINGHAUS PART NO.	AMERICAN PUNCH PART NO.	DESCRIPTION	
YC-17501-504-000-4	APS-275*	Upper Angle Blade	STOCK
YD-3750232	APS-276*	Lower Right Insert (2)	STOCK
YD-3750237	APS-277*	Lower Left Insert (2)	STOCK
YB-185750000006	APS-2660	Flat Bar	STOCK
YB-176460000010	APS-2661	Upper Angle Blade	STOCK
YC-176460000011	APS-2525	Lower Short Insert - Tapped	STOCK
YC-176460000012	APS-2526	Lower Long Insert - Tapped	STOCK
YC-176530000008	APS-3768	Lower Short Insert - Ctr/Sk	STOCK
YC-176530000009	APS-3769	Lower Long Insert - Ctr/Sk	STOCK
440835117011	APS-5291	Upper Angle Blade	STOCK
440835117014	APS-9102	Vertical Blade	STOCK
440835117013	APS-9103	Horizontal Blade	STOCK
YB-176800000018	APS-5797	Upper Angle Blade #823	NON-STOCK
YB-176800000025	APS-6599	Flat Bar #823	NON-STOCK
YC-176800000016	APS-5580	Lower Short #823	NON-STOCK
YC-176800000015	APS-5581	Lower Long #823	NON-STOCK

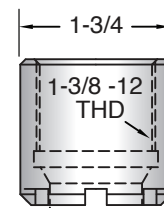
* Shear blades available for Ocean Clipper

COUPLING NUTS

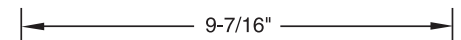


APS-2251

STOCK

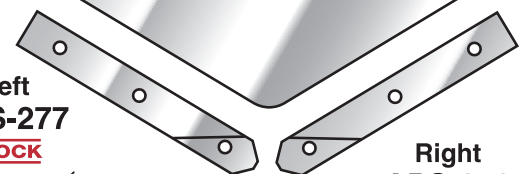


APS-7289



APS-275

STOCK

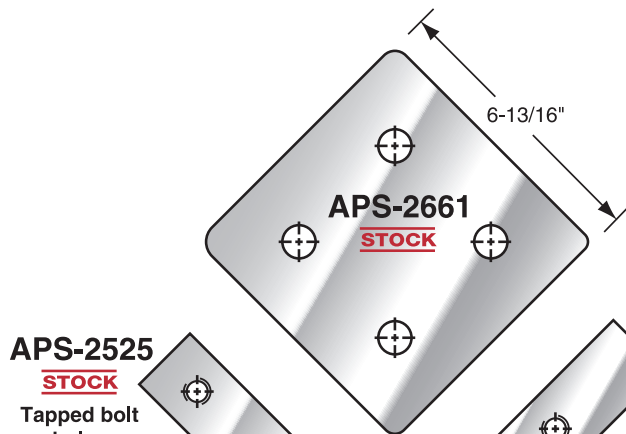


**Left
APS-277**

STOCK

**Right
APS-276**

STOCK



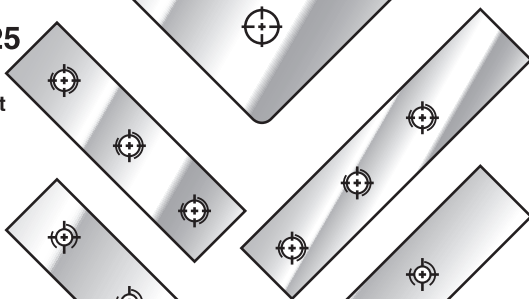
APS-2661

STOCK

APS-2525

STOCK

Tapped bolt holes



APS-2526

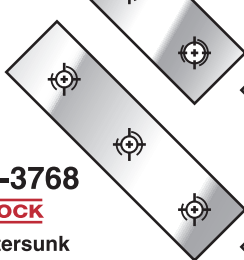
STOCK

Tapped bolt holes

APS-3768

STOCK

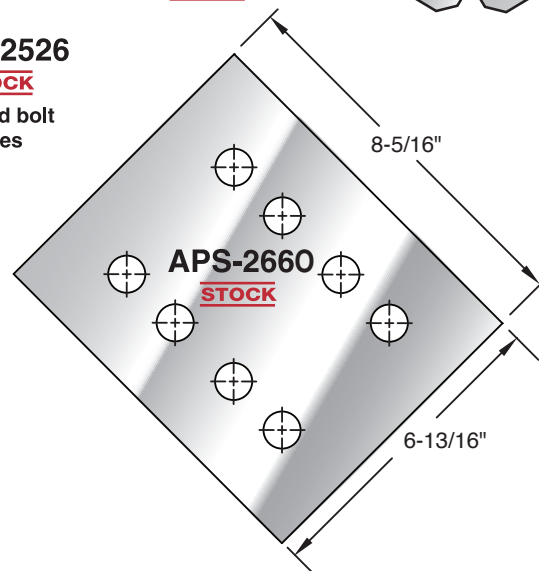
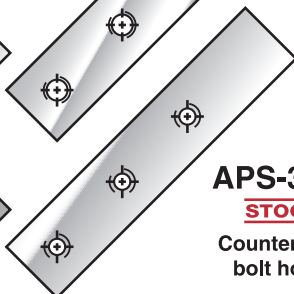
Countersunk bolt holes



APS-3769

STOCK

Countersunk bolt holes

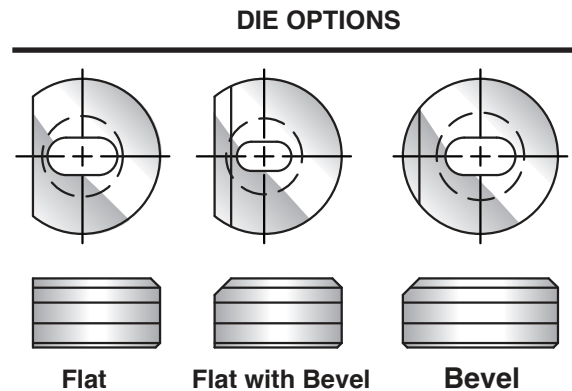
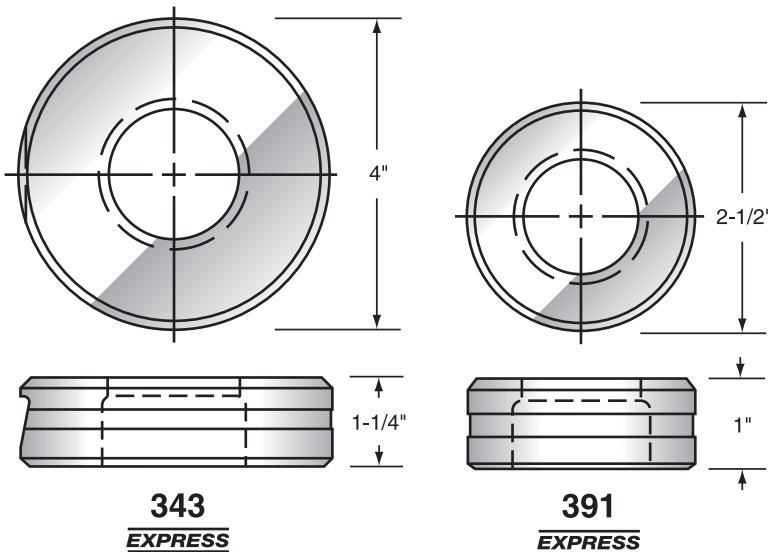
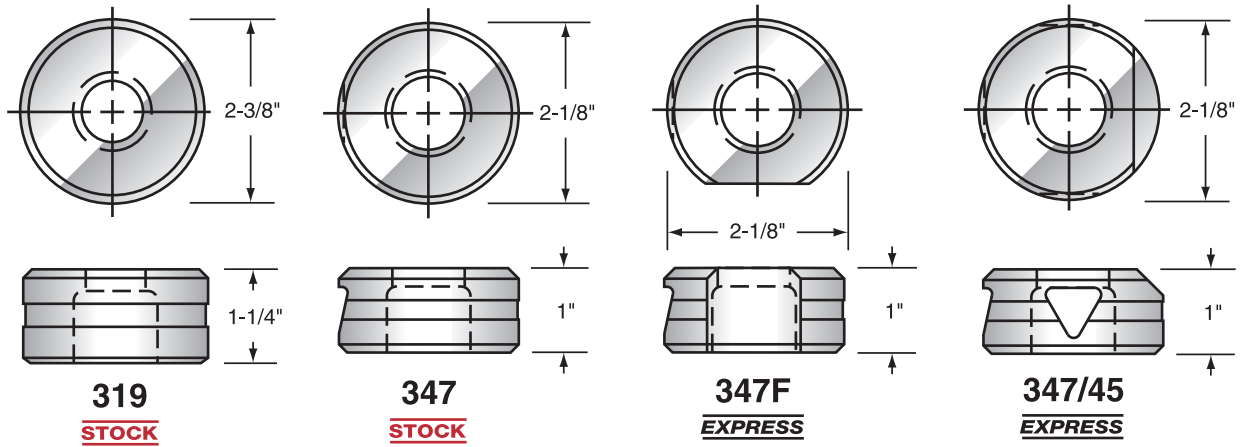
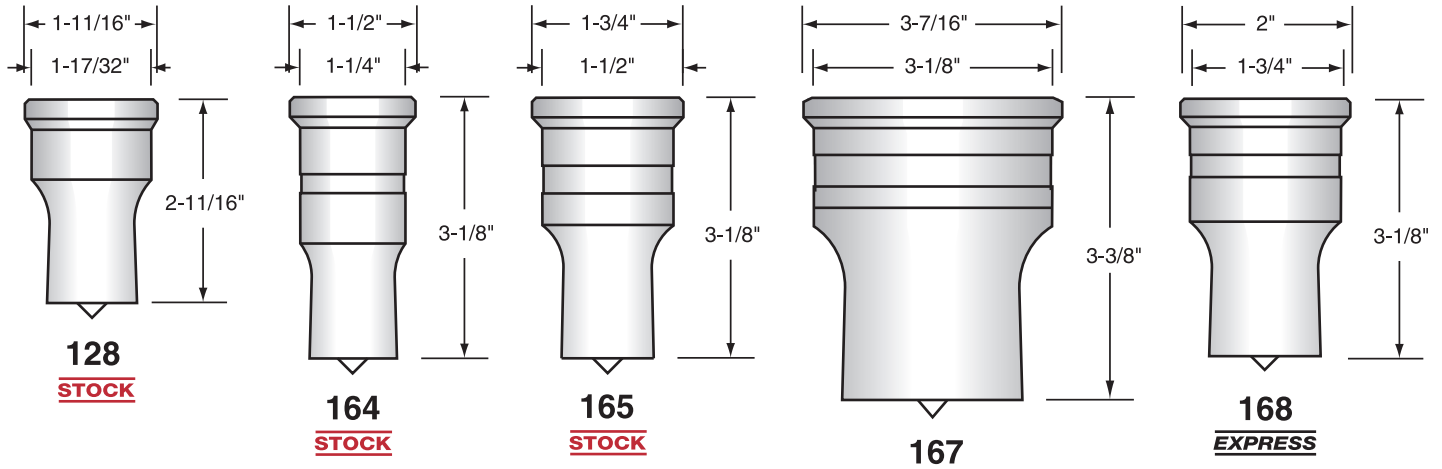


APS-2660

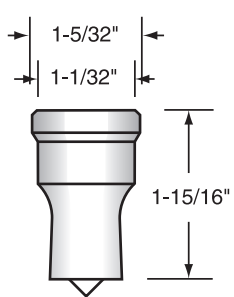
STOCK

STOCK ITEMS: Shipped Same Day (For stock items see page 16, 17, 18 and 25) • **EXPRESS ITEMS:** Shipped Within 48 Hours

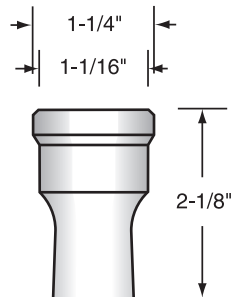
All shaped punches are supplied with 2 keyways.  Standard 1/4" wide by 1/8" deep.



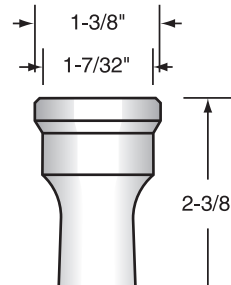
Oblong shapes shown in standard position to bevel and flat.



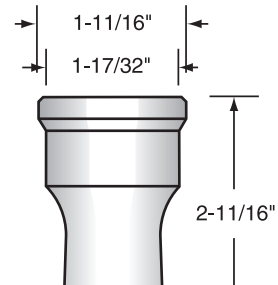
116
STOCK



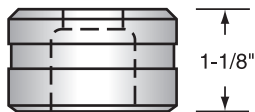
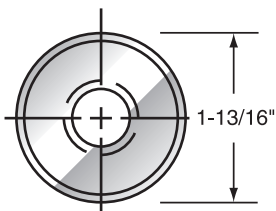
119
STOCK



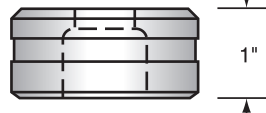
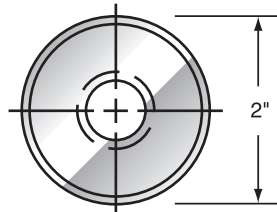
121
STOCK



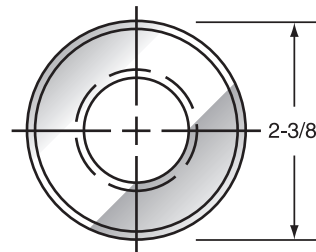
128
STOCK



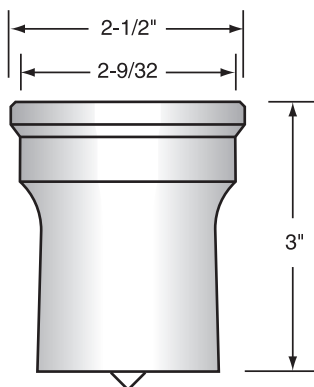
313
STOCK



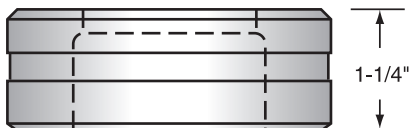
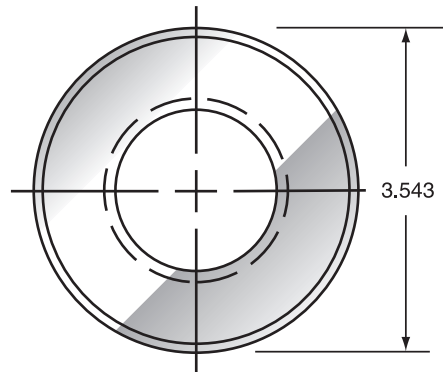
317
STOCK



319
STOCK

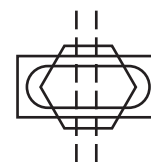


137
EXPRESS



390
EXPRESS

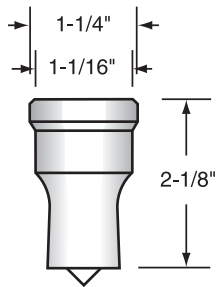
Standard key direction



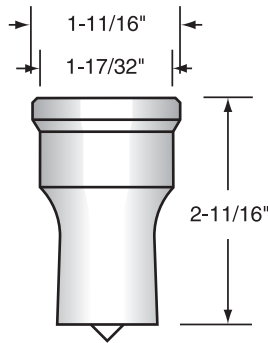
Keyway dimensions
4 mm wide x
4 mm deep.

We recommend
keyways on all
shapes other than
round.

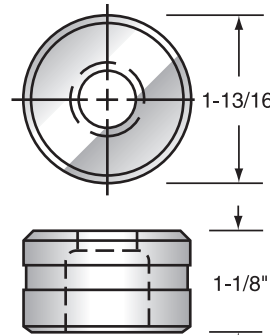
STOCK ITEMS: Shipped Same Day (For stock items see page 16, 17 & 18) • **EXPRESS ITEMS:** Shipped Within 48 Hours



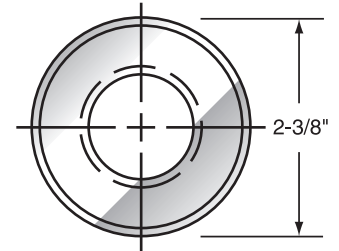
119
STOCK



128
STOCK



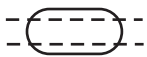
313
STOCK



319
STOCK

American Punch recommends a keyway on all punches other than round.

Standard location



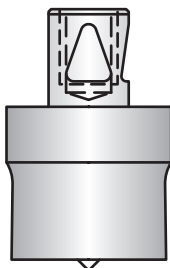
Standard keyway uses a round key



MODEL	PUNCH	DIE
P-2, P-3, P-36, P-50, P11-35	119	313
P-4, P-70, P-90, P11-65, P11-88 P11-110, SEPP-65, SEPP-88 SEPP-120, SEPP-140	128	319
100XX OVERSIZE	100XX PUNCH	100XX DIE

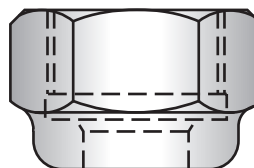
2 set screw spots provided on all dies other than round.

HEAVY DUTY PUNCH



100XX Oversize tooling available. See page 66 for more information.

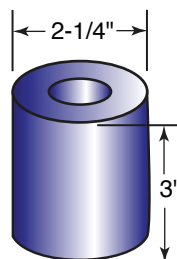
COUPLING NUT



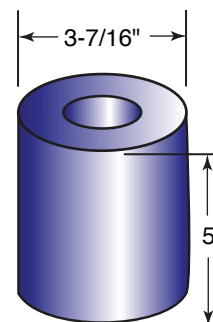
STOCK

Use A21C Coupling Nut for Punch 128
Use A14C Coupling Nut for Punch #119

STRIPPERS

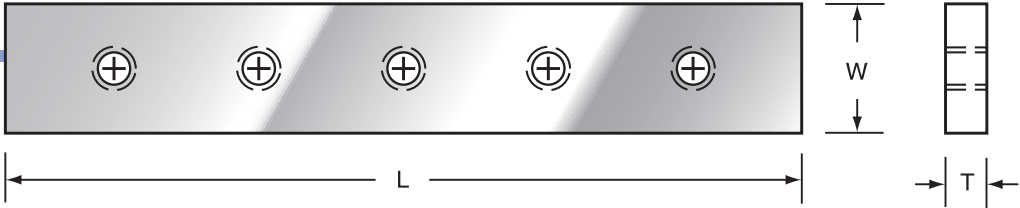


P35/P50 #P3550

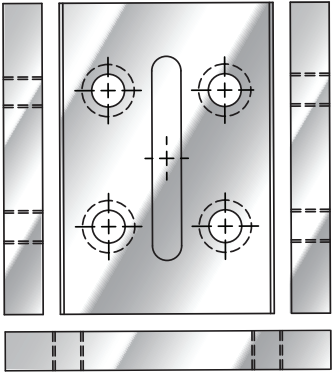


P70/P90 #P7090

SHEAR BLADES FOR PIRANHA



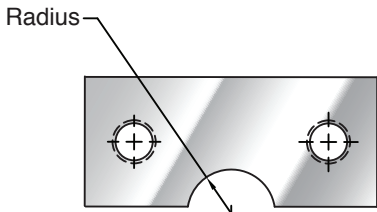
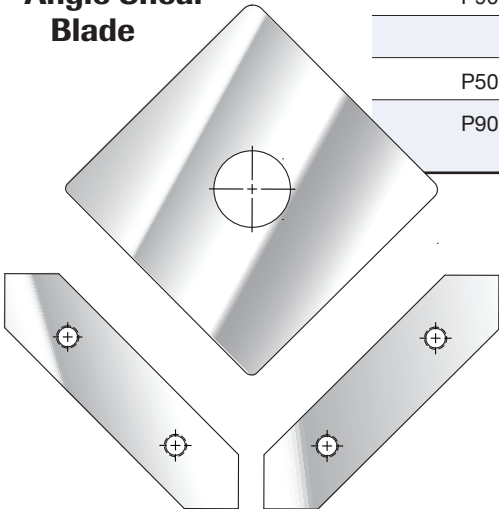
Flat Bar Shear Blade



Coper

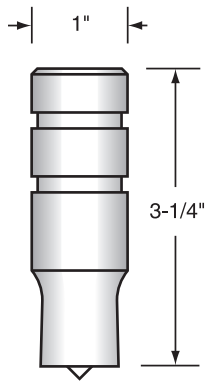
MACHINE	PIRANHA PART NO.	AMERICAN PUNCH PART NO.	DESCRIPTION	
FLAT BAR SHEAR BLADES				
P-50	0230251	APS-4327	14-5/8 L X 1-1/2 W X 3/4 T	STOCK
P-90	0240250	APS-3153	16-5/8 L X 2" W X 1" T	STOCK
P-90	0240251	APS-4328	20-1/2 L X 2" W X 1" T	STOCK
P-70	0250250	APS-7502	14-5/8 L X 2" X 1" T	STOCK
RP-50	0232501	APS-6272	12-1/8 L X 1-1/2 W X 3/4 T	STOCK
P-50 w/ Bar Cutter	0230250	APS-6273	11-1/4 L X 1-1/2 W X 3/4 T	STOCK
P-50/65/88	0276252	APS-8723	20-5/8 L X 1-1/2 W X 3/4 T	STOCK
ANGLE SHEAR BLADES				
P50/65/88	0230273	APS-6724	Upper Angle Blade	STOCK
P50/65/88	027624	APS-8773	Lower Angle Blades (2)	STOCK
P50/65/88	0230274 (Old)	APS-6279	Lower Angle Blades (2)	STOCK
COPER				
P50/65/88	0230277	APS-7345	Coper Punch	STOCK
P50/65/88	0230276	APS-7346	Coper Dies (3)	STOCK
P70	0250277	APS-9153	Coper Punch	STOCK
P70	0250278	APS-9154	Coper Dies (3)	STOCK
P90	0240277	APS-5921	Punch	STOCK
P90	0240276	APS-5919	Front Coper Die	STOCK
P90	0240278	APS-5920	Side Coper Dies (2)	STOCK
BAR CUTTERS				
P50		APS-10423	Use with Part APS-6273	STOCK
P90		APS-7330 APS-7331	Upper Bar Cutter Lower Bar Cutter	NON-STOCK NON-STOCK

Angle Shear Blade



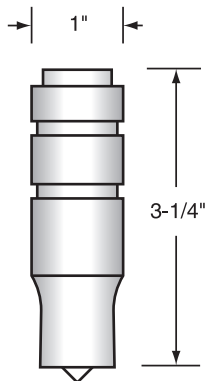
Bar Cutter

STOCK ITEMS: Shipped Same Day • **EXPRESS ITEMS:** Shipped Within 48 Hours



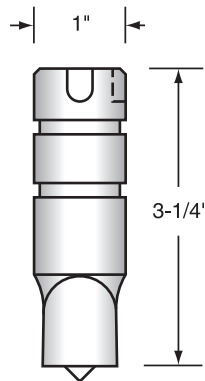
190

STOCK



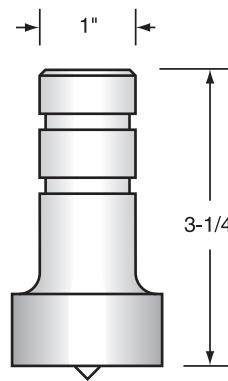
190-R

EXPRESS



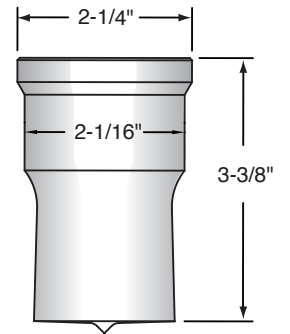
190-S

EXPRESS

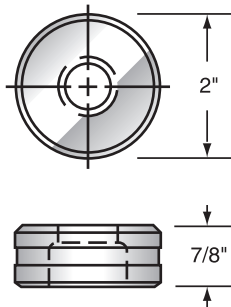


190-N

EXPRESS

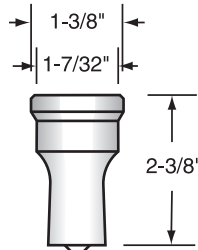


178



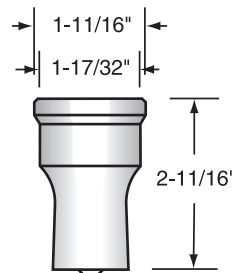
351

STOCK



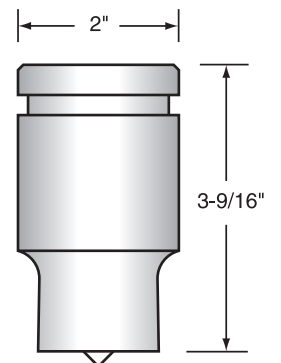
121

STOCK

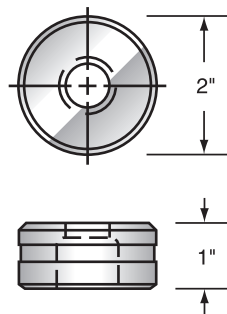


128

STOCK

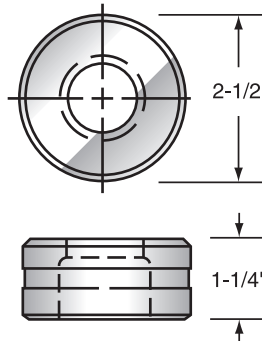


SOS-2



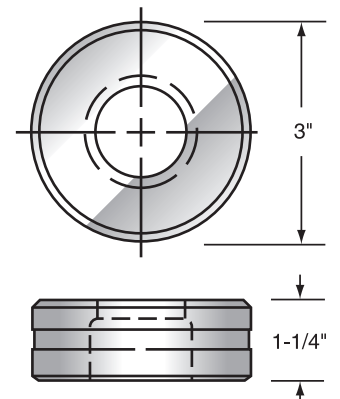
317

STOCK



320

EXPRESS

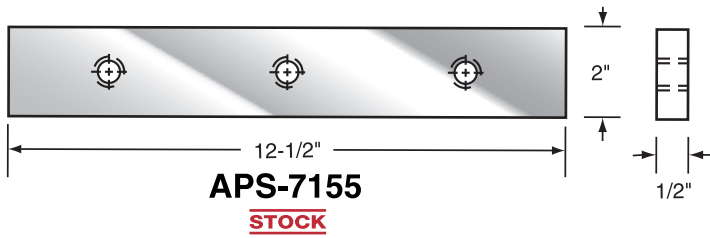


322

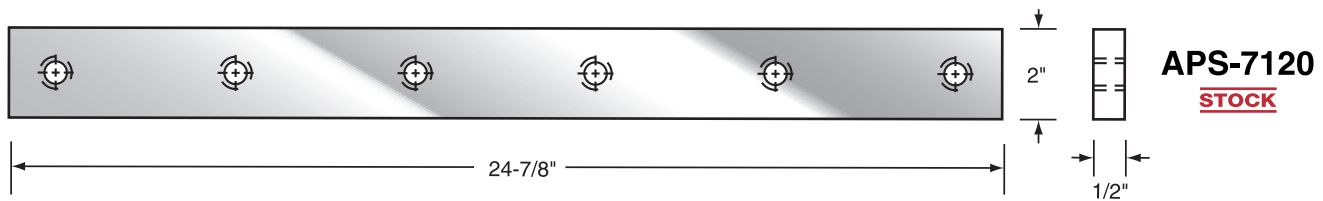
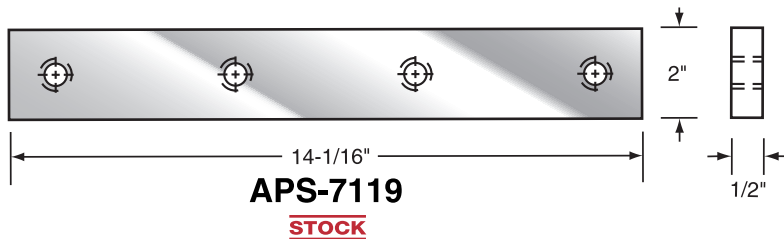
EXPRESS

STOCK ITEMS: Shipped Same Day • **EXPRESS ITEMS:** Shipped Within 48 Hours

SHEAR BLADES FOR SCOTCHMAN

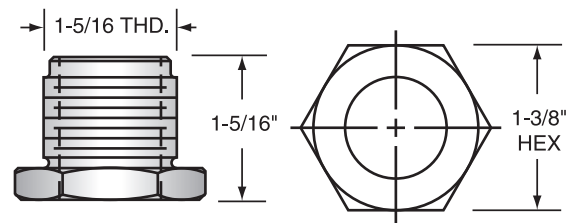
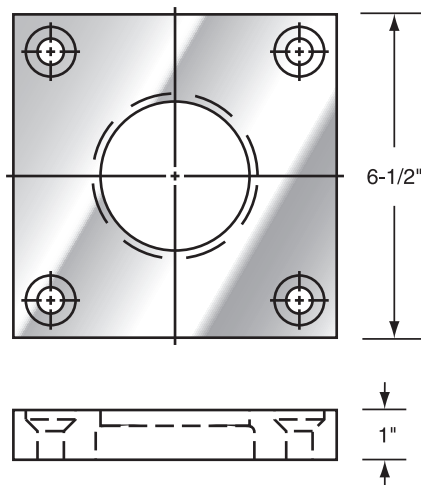


SCOTCHMAN PART NO.	AMERICAN PUNCH PART NO.	DESCRIPTION	
080257	APS-7155	12-1/2 L X 2" W X 1/2 T	STOCK
422033	APS-7119	14-1/16 L X 2" W X 1/2 T	STOCK
080031	APS-7120	24-7/8 L X 2" W X 1/2 T	STOCK

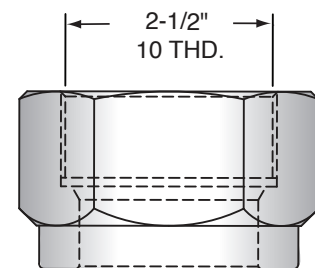


COUPLING NUTS FOR SCOTCHMAN

6X6 DIE BLOCK FOR SCOTCHMAN

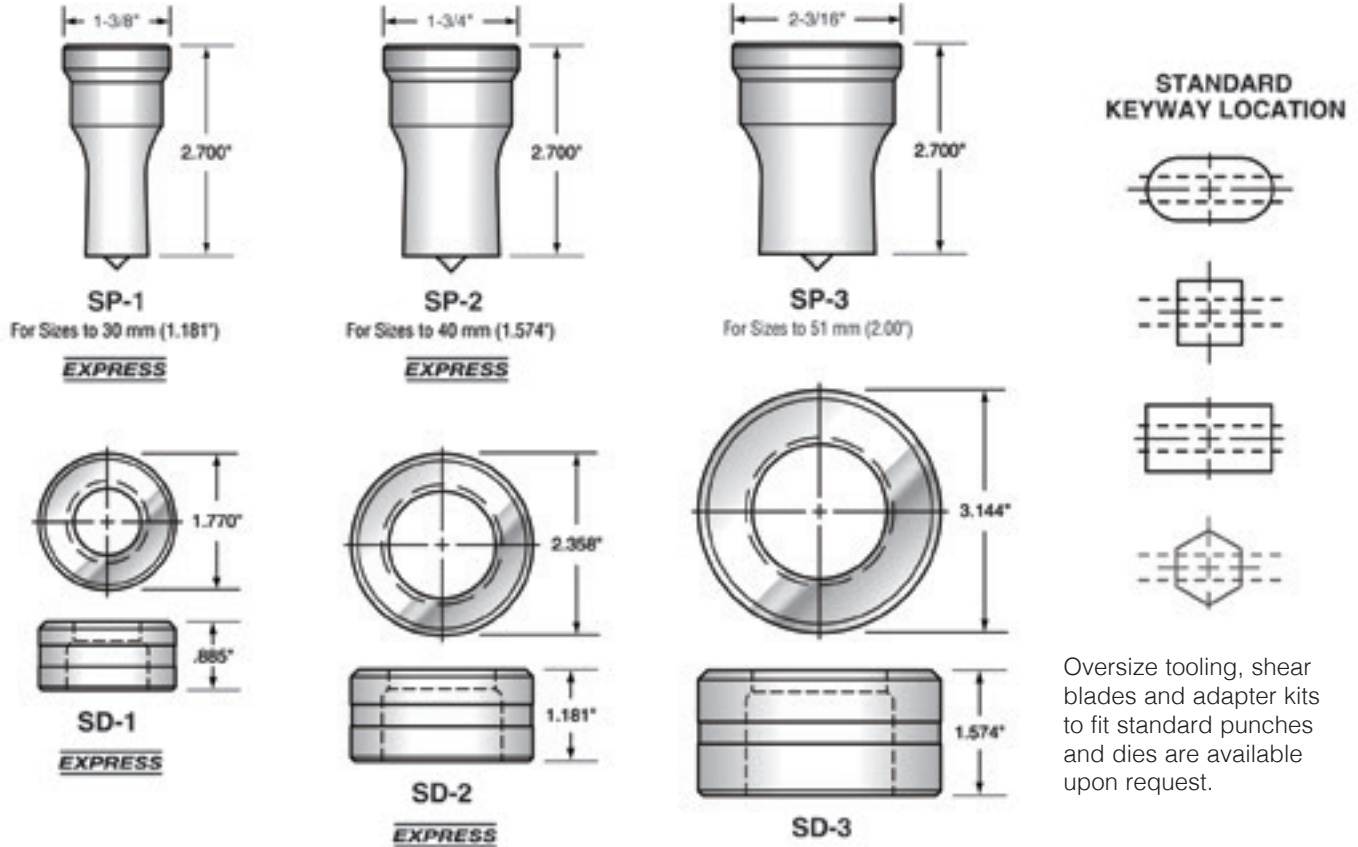


APS-8429
STOCK



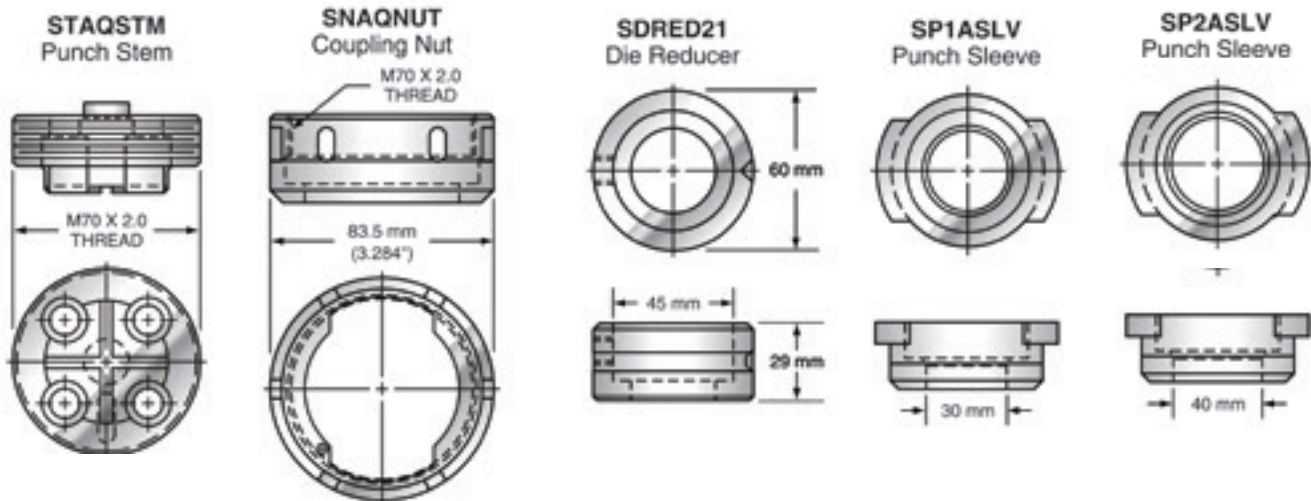
APS-11394
For Punch 178

PUNCHES AND DIES FOR K-SERIES, SINGLE CYLINDER AND DUAL CYLINDER MODELS

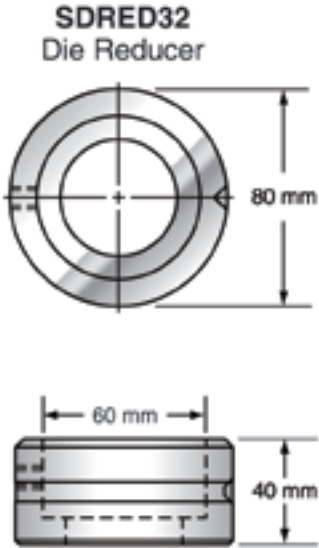
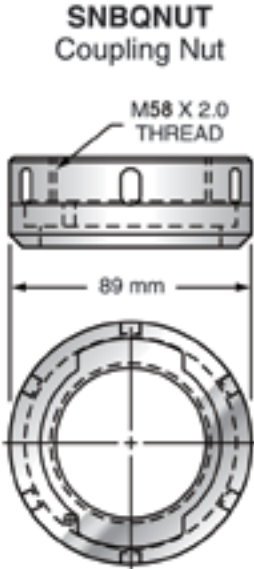
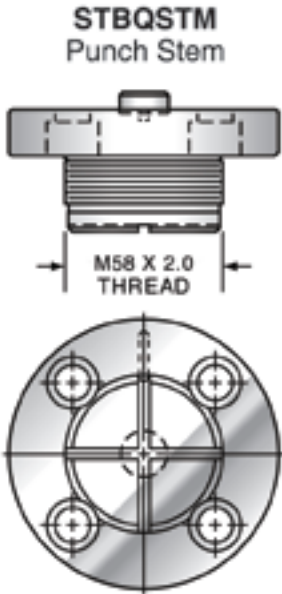


Oversize tooling, shear blades and adapter kits to fit standard punches and dies are available upon request.

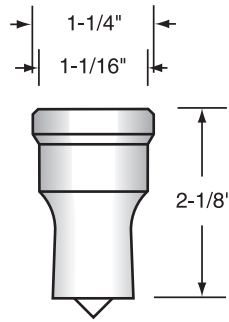
**TOOLING FOR SINGLE CYLINDER MODELS:
IW-50K, IW-66K, IW-66KB
IW-50M, IW-55A AND IW-66H**



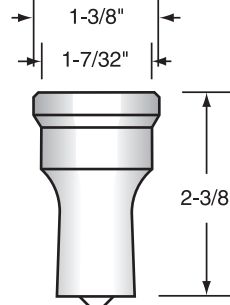
**TOOLING FOR DUAL CYLINDER MODELS:
IW-66S/SD, IW-88S/SD,
IW-110S/SD, IW-135S/SD, IW-185SD, IW-95KD,
IW-135KD AND PM SERIES PUNCHING MACHINES**



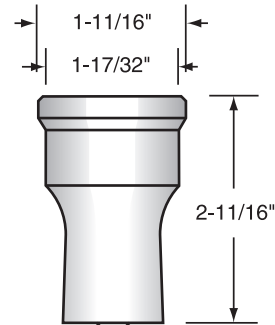
STOCK ITEMS: Shipped Same Day (For stock items see page 16, 17 & 18) • **EXPRESS ITEMS:** Shipped Within 48 Hours



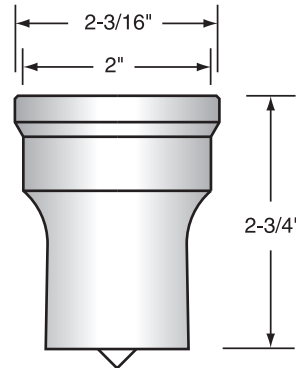
119
STOCK



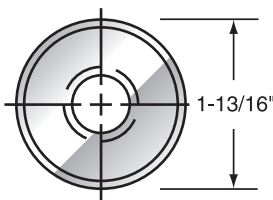
121
STOCK



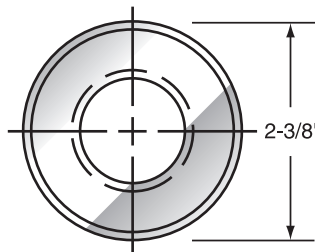
128
STOCK



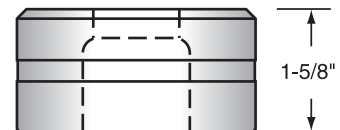
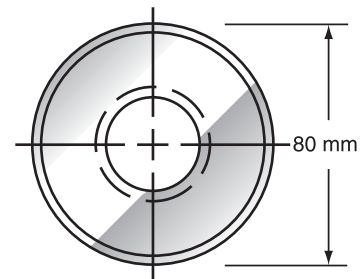
151
EXPRESS



313
STOCK

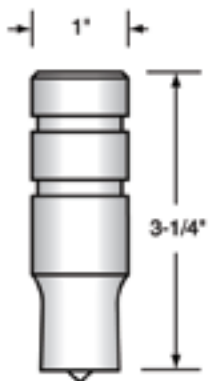


319
STOCK

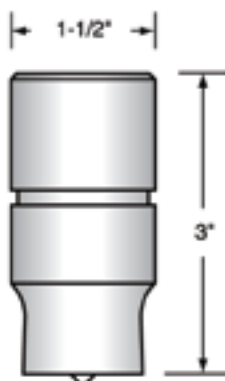


380
EXPRESS

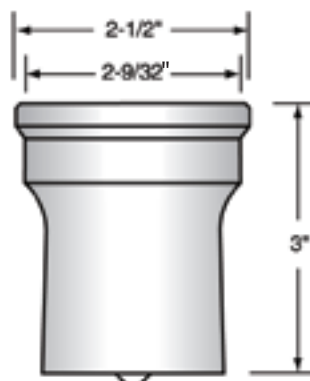
STOCK ITEMS: Shipped Same Day • **EXPRESS ITEMS:** Shipped Within 48 Hours



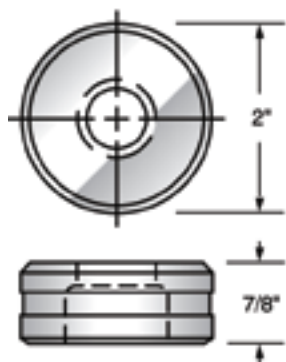
190
STOCK



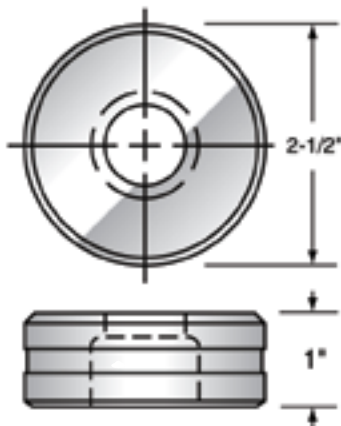
190-A
EXPRESS



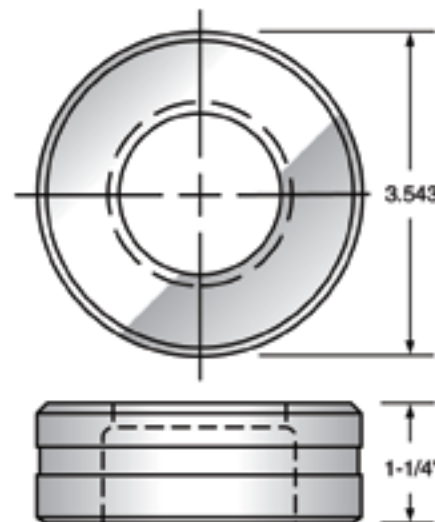
137
EXPRESS



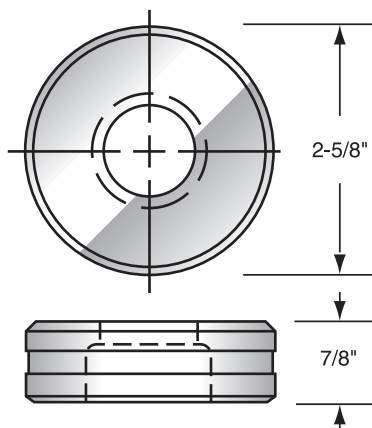
351
STOCK



353
EXPRESS



390
EXPRESS



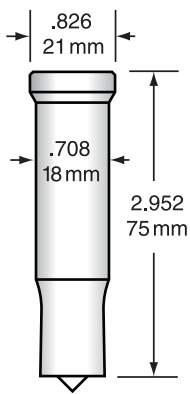
351-A
EXPRESS

COUPLING NUT FOR UNI-HYDRO, METAL PRO & IROQUOIS



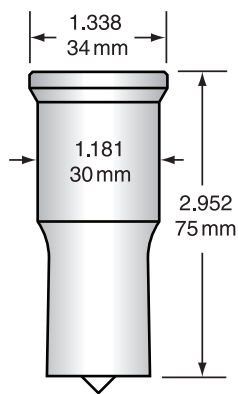
190 = APS-8031
190A = APS-9404

STOCK ITEMS: Shipped Same Day • **EXPRESS ITEMS:** Shipped Within 48 Hours



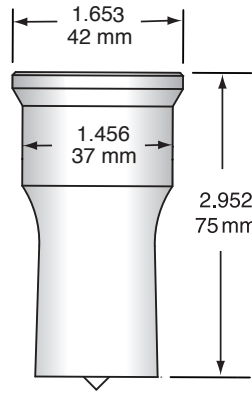
VPS

For sizes to
.708"/18 mm



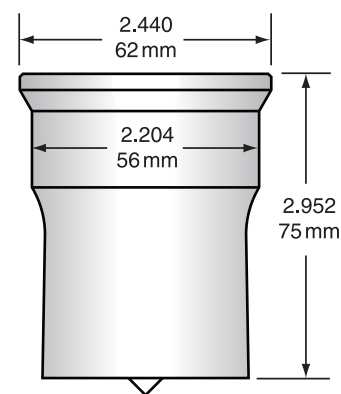
VPM

For sizes to
1.811"/30 mm



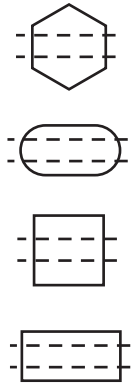
VPLM

For sizes to
1.4567"/37 mm

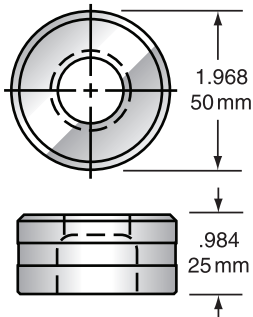


VPL

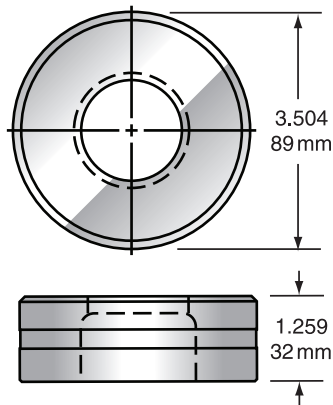
For sizes to
2.204"/56 mm



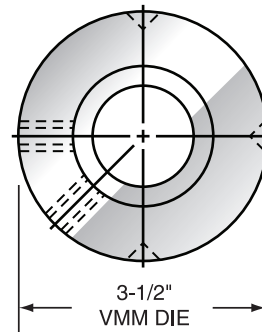
1 keyway is supplied with all shapes other than round



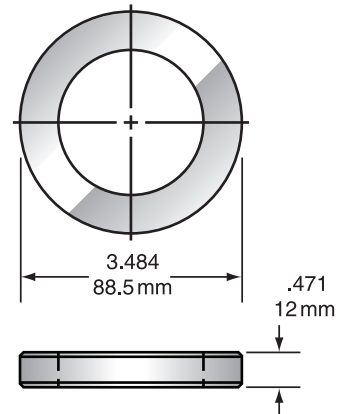
VMS



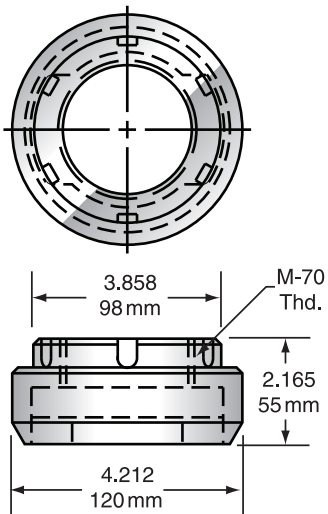
VMM



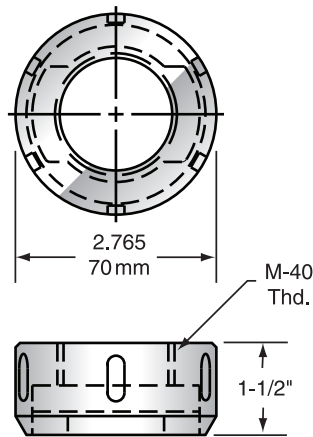
3-1/2" VMM DIE



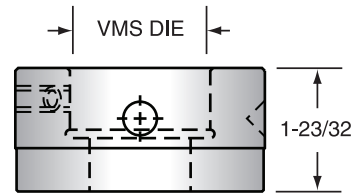
VMM DIE LINER



VPL C-NUT

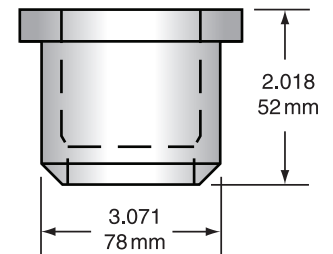
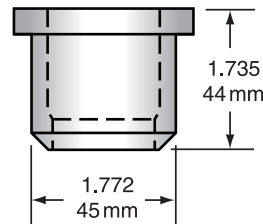
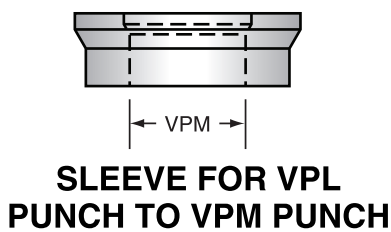
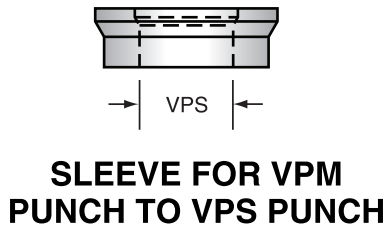


VPM C-NUT



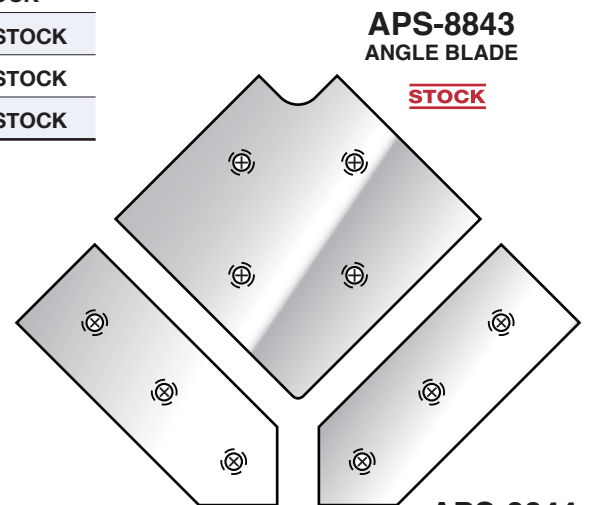
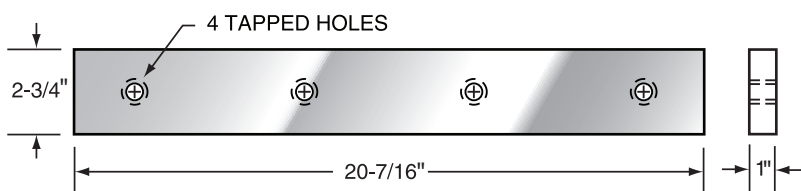
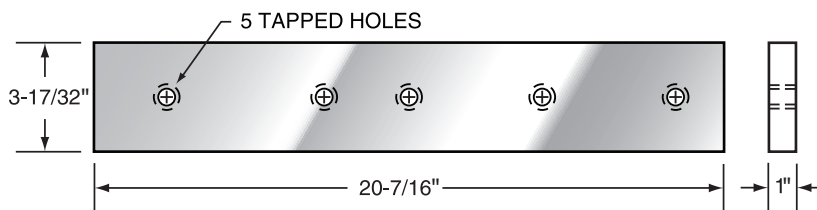
DIE REDUCER FOR VMM DIE TO VMS DIE

SLEEVES FOR VOORTMAN

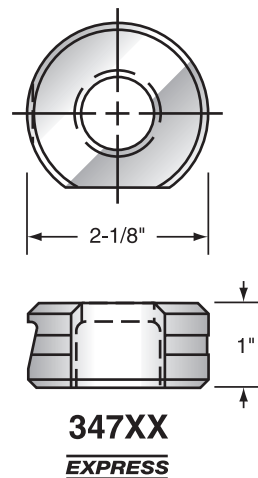
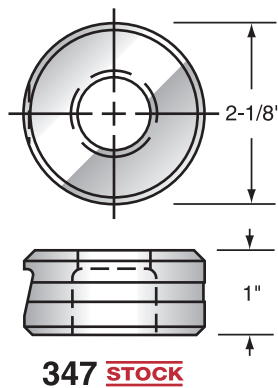
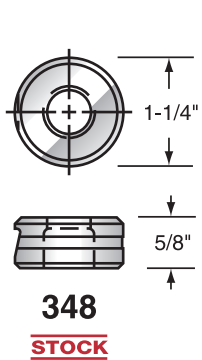
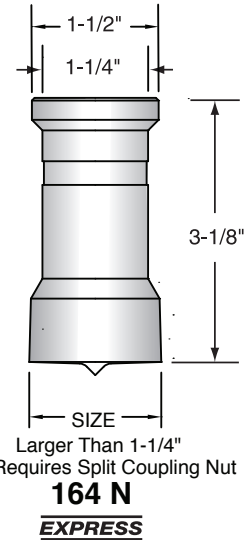
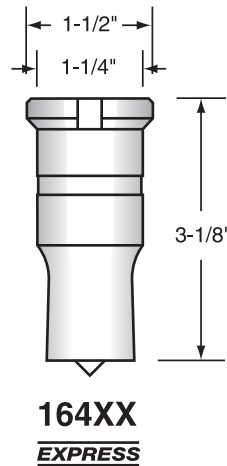
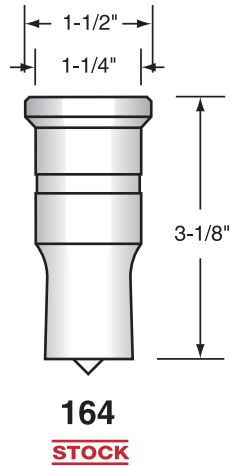
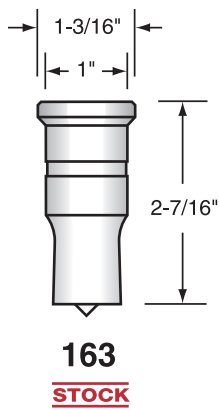


Shear Blades for Voortman

VOORTMAN PART NO.	AMERICAN PUNCH PART NO.	DESCRIPTION	
V6070002	APS-8809	Upper Flat Bar	STOCK
V6070001	APS-8810	Lower Flat Bar	STOCK
V6080006	APS-8843	Upper Angle Blade	STOCK
V6080005	APS-8844	Lower Right and Left Blades (2 ea)	STOCK
10004226	APS-12762	Upper Angle Blade	NON-STOCK
10004222	APS-12760	Lower Long Angle Blade	NON-STOCK
10004221	APS-12761	Lower Short Angle Blade	NON-STOCK

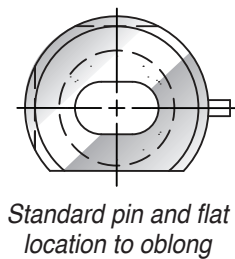
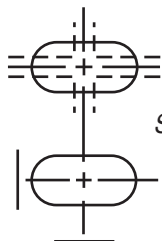


STOCK ITEMS: Shipped Same Day (For stock items see page 25) • **EXPRESS ITEMS:** Shipped Within 48 Hours



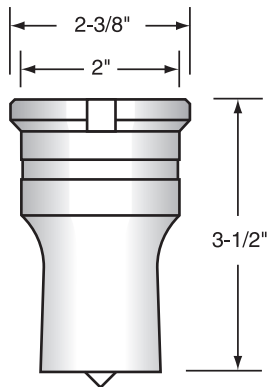
Pin supplied on shapes other than round.

American Punch recommends a keyway in all shaped punches and set screw spots on all shaped dies



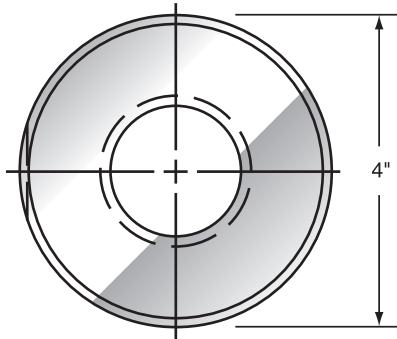
PUNCHES	
WHITNEY PART NO.	AMERICAN PUNCH PART NO.
740	163
770	164
790XX	164XX
750	166

DIES	
WHITNEY PART NO.	AMERICAN PUNCH PART NO.
720	348
740	347
790XX	347XX
750	346
760	345
490	347/F45

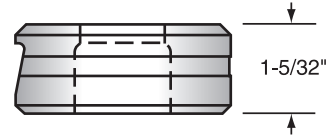
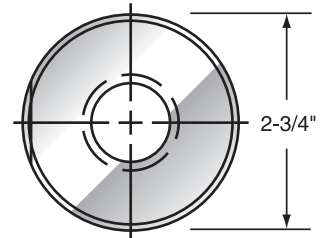


166
EXPRESS

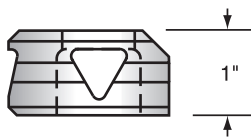
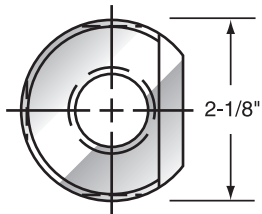
*Specify side or top keyway
when ordering*



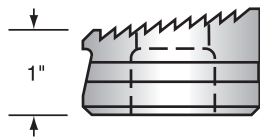
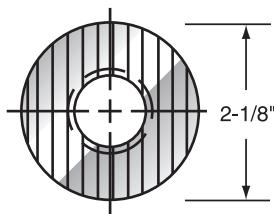
345
EXPRESS



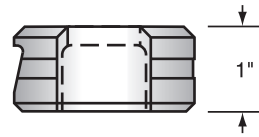
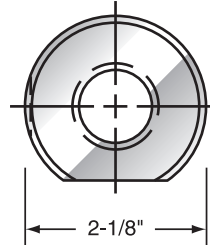
346
EXPRESS



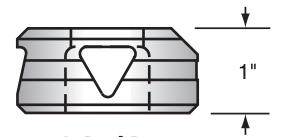
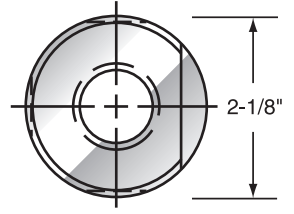
347F/45
EXPRESS



347BC
EXPRESS



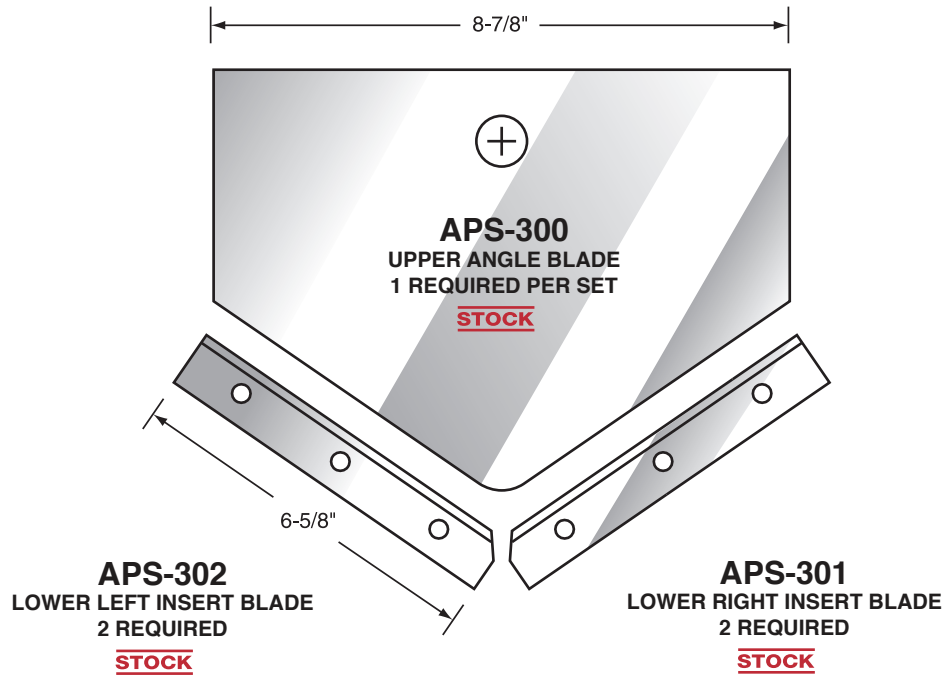
347F
EXPRESS



347/45
EXPRESS

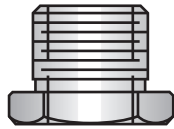
*Bevel corrugated
available in all die styles.
See page 11 for more information.*

SHEAR BLADES FOR WHITNEY

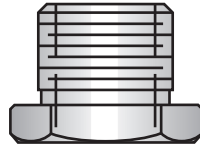


MODEL	UPPER BLADE AMERICAN PUNCH PART NO.	LEFT BLADE AMERICAN PUNCH PART NO.	RIGHT BLADE AMERICAN PUNCH PART NO.	
606	APS-339	APS-337	APS-338	NON-STOCK
609	APS-300	APS-302	APS-301	STOCK
664	APS-640	APS-302	APS-301	STOCK
764	APS-640	APS-302	APS-301	STOCK
765	APS-374	APS-375	APS-375	NON-STOCK
845	APS-300	APS-13305	APS-13306	NON-STOCK

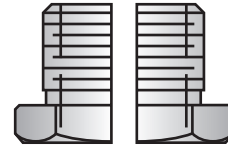
COUPLING NUTS



163-C
STOCK



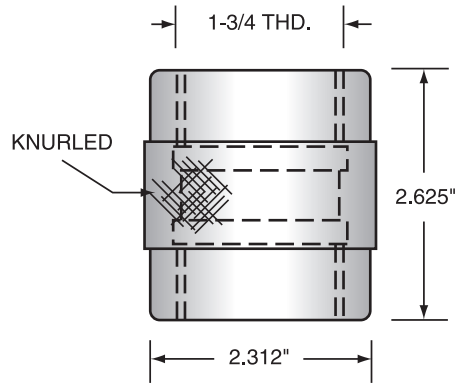
164-C
STOCK



164-C Split
STOCK

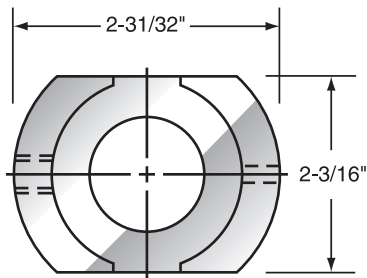
For Oversize Punches

THREADED PUNCH SLEEVE

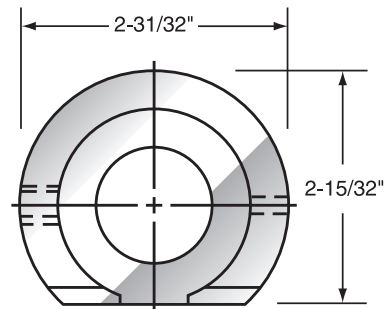


APS-3951
STOCK

DIE SLEEVES



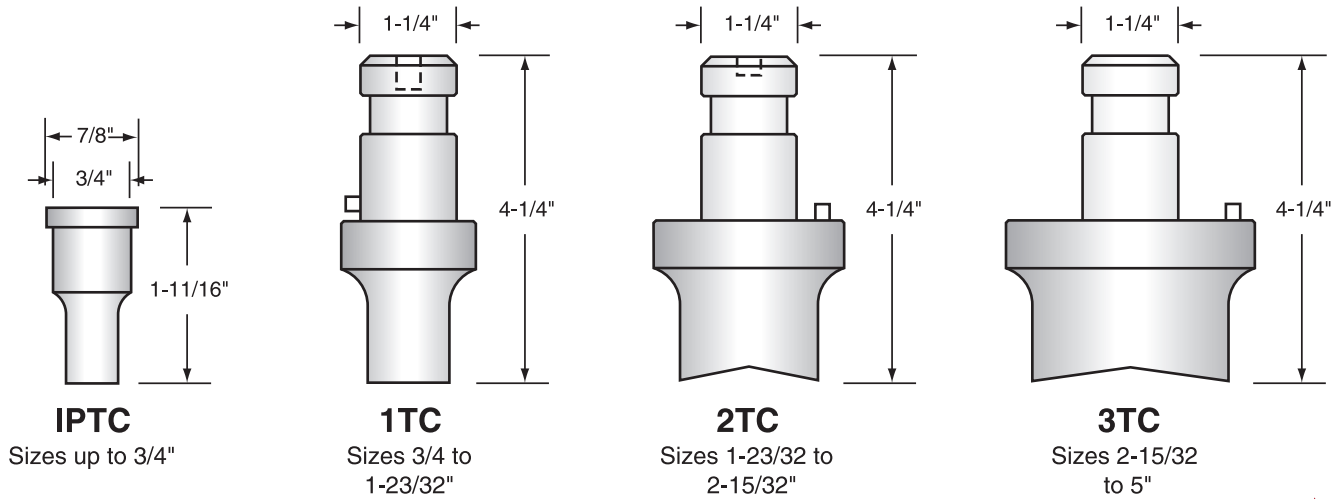
APS-530
STOCK



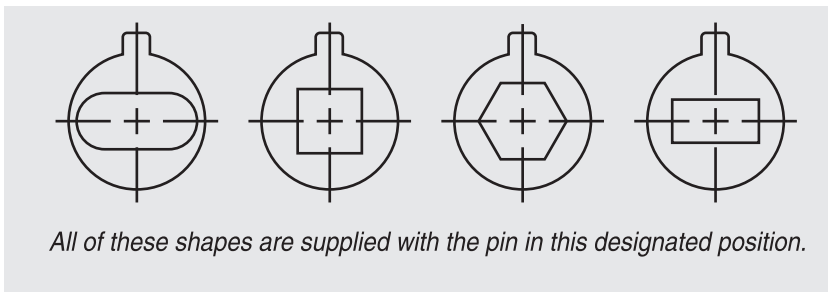
APS-531
STOCK

36TC TOOLING

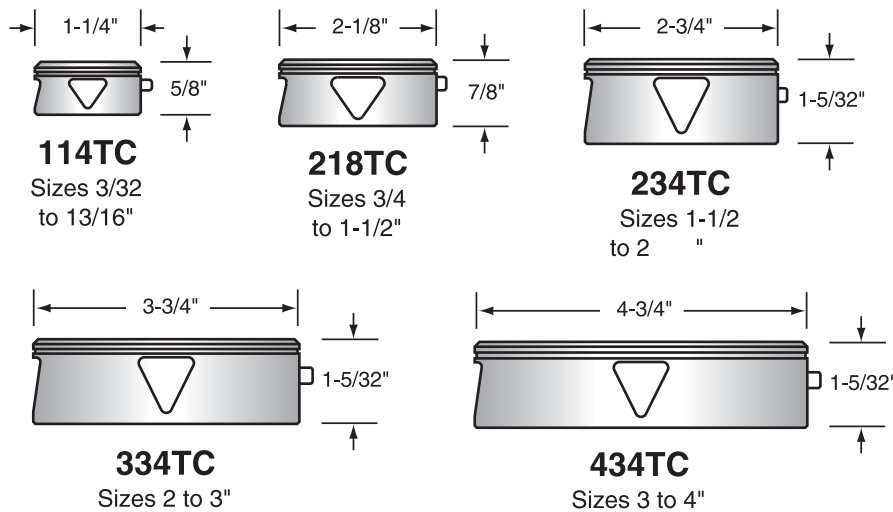
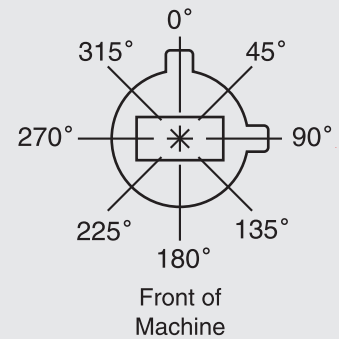
STOCK ITEMS: Shipped Same Day • **EXPRESS ITEMS:** Shipped Within 48 Hours



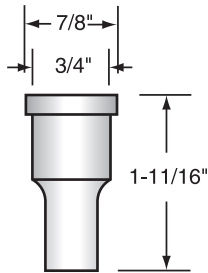
2TC and 3TC punches are supplied with a 1/4" or 7/16" concave shear face.
 Concave shear for material 1/4" and under.
 Convex (rooftop) is suggested for material over 1/4" thick



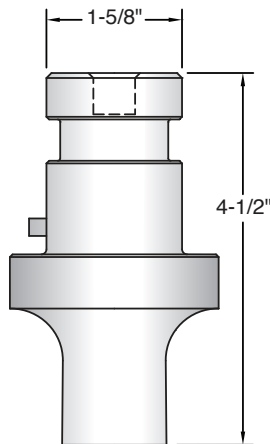
Shaped punches and dies are furnished with one indexing pin. This allows the tools to be used in either the 0° or 90° position.



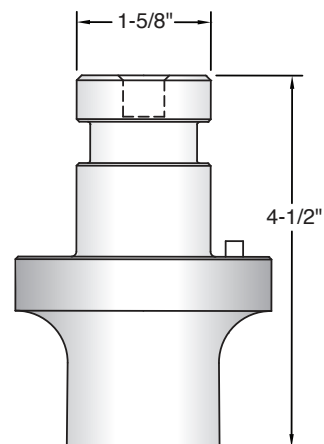
Unless specified, 28XX style die land will be furnished.
 38XX, 36TC and 37TC will be supplied upon request.



4TCIP
Sizes up to 3/4"

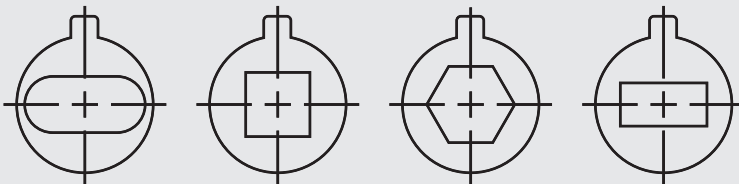


4TC1
Sizes 3/4 to 2-15/32"



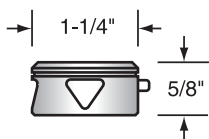
4TC2
Sizes 2-1/2 to 3"

Flat face is standard on all sizes.

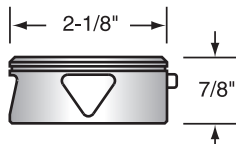


All of these shapes are supplied with the pin in this designated position.

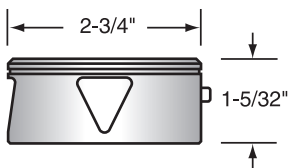
36TC and 44TC use the same die buttons.
44TC has a maximum O.D. of 3-3/4"



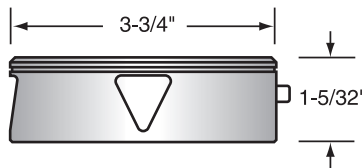
114TC
Sizes 3/32 to 13/16"



218TC
Sizes 3/4 to 1-1/2"



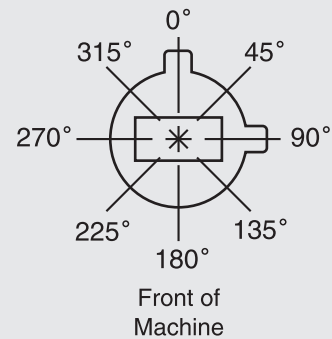
234TC
Sizes 1-1/2 to 2"



334TC
Sizes 2 to 3"

*Unless specified, 28XX style die land will be furnished.
38XX, 36TC and 37TC will be supplied upon request.*

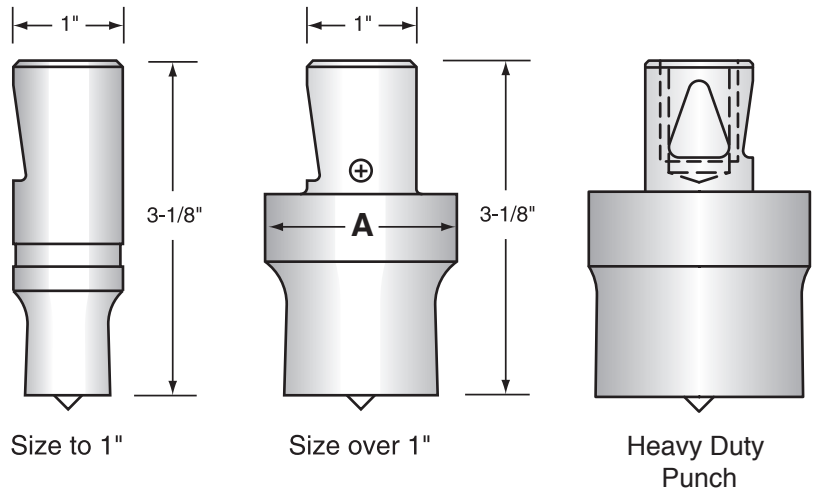
Shaped punches and dies are furnished with one indexing pin. This allows the tools to be used in either the 0° or 90° position.



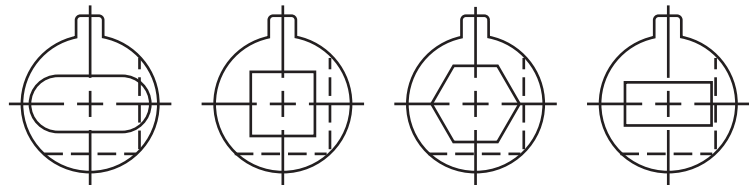
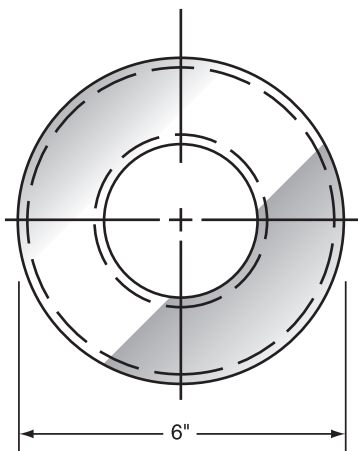
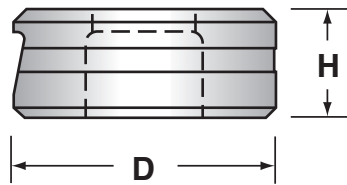
Increase tool life with our exclusive Punch Armor. This proven premium coating will increase tool life in all punching applications.

STOCK ITEMS: Shipped Same Day • **EXPRESS ITEMS:** Shipped Within 48 Hours

A
1-1/2"
2"
2-1/2"
3"
3-1/2"
4"
4-1/2"
5"



D	H
1-1/4"	5/8"
2-1/8"	7/8"
2-3/4"	1-5/32"
3-3/4"	1-5/32"
4-3/4"	1-5/32"
5-3/4"	1-5/32"



NOTE: Location of pin and spots are as shown for shaped punches and dies.



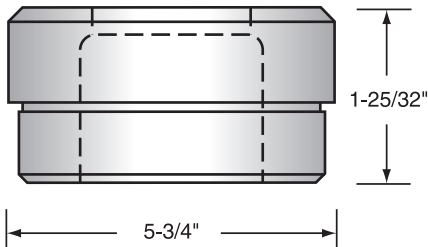
CONVEX



CONCAVE



Specify Shear Face Type.
Flat face with center point supplied
if no shear is requested.



APS-2972

	FRACTIONS	DECIMAL	MM
	1/64	.0156	0.396
1/32		.0312	0.793
	3/64	.0468	1.190
1/16		.0625	1.587
	5/64	.0781	1.984
3/32		.0937	2.381
	7/64	.1093	2.778
1/8		.125	3.175
	9/64	.1406	3.571
5/32		.1562	3.968
	11/64	.1718	4.365
3/16		.1875	4.762
	13/64	.2031	5.159
7/32		.2187	5.556
	15/64	.2343	5.953
1/4		.250	6.350
	17/64	.2656	6.746
9/32		.2812	7.143
	19/64	.2968	7.540
5/16		.3125	7.937
	21/64	.3281	8.334
11/32		.3437	8.731
	23/64	.3593	9.128
3/8		.375	9.525
	25/64	.3906	9.921
13/32		.4062	10.318
	27/64	.4218	10.715
7/16		.4375	11.112
	29/64	.4531	11.509
15/32		.4687	11.906
	31/64	.4843	12.303
1/2		.500	12.700

	FRACTIONS	DECIMAL	MM
	33/64	.5156	13.096
17/32		.5312	13.493
	35/64	.5468	13.890
9/16		.5625	14.287
	37/64	.5781	14.684
19/32		.5937	15.081
	39/64	.6093	15.478
5/8		.625	15.875
	41/64	.6406	16.271
21/32		.6562	16.668
	43/64	.6718	17.065
11/16		.6875	17.462
	45/64	.7031	17.859
23/32		.7187	18.256
	47/64	.7343	18.653
3/4		.750	19.050
	49/64	.7656	19.446
25/32		.7812	19.843
	51/64	.7968	20.240
13/16		.8125	20.637
	53/64	.8281	21.034
27/32		.8437	21.431
	55/64	.8593	21.828
7/8		.875	22.225
	57/64	.8906	22.621
29/32		.9062	23.018
	59/64	.9218	23.415
15/16		.9375	23.812
	61/64	.9531	24.209
31/32		.9687	24.606
	63/64	.9843	25.003
1		1.000	25.400

American Punch Company offers an extensive line of ironworker tooling for metalworking and structural steel fabrication, as well as a complete line of precision tooling for stamping, roll forming and metalforming.



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1655 Century Corners Parkway • Euclid, OH 44132