ACCUIP PRESS

TOOLING SYSTEMS



ACCUPRESS



WHY CHOOSE ACCURPRESS TOOLING?

Whether you are looking for standard tooling or special application configurations, Accurpress is committed to the highest level of quality and customer satisfaction. Accurpress Tooling System's primary purpose is to provide you with cost effective, high quality solutions for your forming needs. Our innovative manufacturing processes and attention to detail ensure you the best possible value with Accurpress Tooling.

Creativity and integrity are the cornerstones of our design process, thus enhancing productivity and flexibility of your press brake utilization. Accurpress uses only the finest quality materials to deliver long-life and utmost accuracy from all our products. You can rely on our experience and craftsmanship to facilitate your success.

ACCURPRESS PREMIUM TOOLING

1 Full Line

Accurpress produces a full line of value-priced press brake tooling available in lengths up to 24', for coining and air bending applications. All tooling can be provided in either planed or ground finishes.

The line includes:

- Custom designs for your special applications
- 85° and 90° forming punches & dies
- Four-way dies
- Gooseneck punches
- 30° forming punches & dies
- Offset die
- Flattening & hemming die
- Rib Dies
- Channel-lock adjustable die
- · Conventional and four-way die holders

2 Service

We offer full technical and applications support to back up our product line. Whatever your forming problem, consult us and will provide you with the cost effective solution.

3 Important Options

We offer options such as flame-hardening and polishing of working radii. We can also produce all tooling with whatever style of holding tang you require to suit your machine. All options are quoted on request.

4 Certified Materials

We select only the highest quality pre-hardened brake die material available to manufacture Accurpress Quality Certified Tooling... using 4150 steel with a hardness of 270-300 Brinell. 28-32 HRC.

5 Quality Standards

We produce quality tooling. Each tool is carefully machined with fine finishes, straightened and measured with precision gauges to ensure tolerance that exceed industry standards. Prior to shipment, all tools are coated with a durable rust-proofing compound before packing into crates.

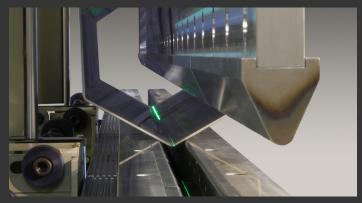
6 Fast Delivery

We make it our goal to provide delivery times that are among the fastest in the industry—thanks to our comprehensive, in-depth stocking program.

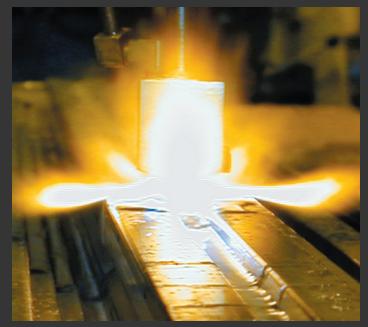
See the complete Accurpress product line at www.accurpress.com.

Press Brakes • Shears • Controls • Gauging Systems • Tooling • Clamping Systems • Die Holders • Accessories • Safety Options • Financing

For additional information, or to locate your nearest Accurpress dealer please contact us Toll Free at 877-633-8665.



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ADJUSTABLE CHANNEL-LOCK DIES

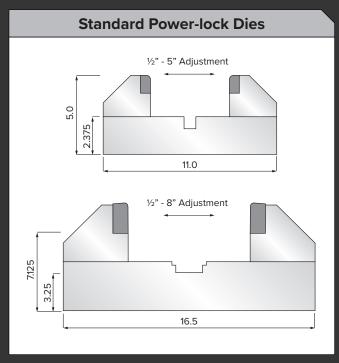
Accurpress manufactures the largest and most versatile adjustable die tooling worldwide to satisfy the enormous challenges and demands in the heaviest of forming applications. Adjustable Channel-lock Dies are available in the following configurations:

- Non-Crownable Adjustable Channel-lock
- · Crownable Adjustable Channel-lock
- Standard Power-lock
- Heavy Duty Power-lock

Channel-lock Dies provide a high level of crowning versatility and quick adjustment of die openings beginning at 1". The addition of crowning capability eliminates the need for shimming which translates into big savings in labor costs as well as reduced scrap rate.



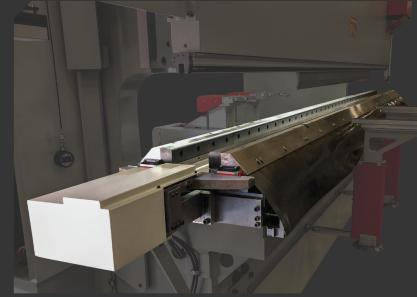


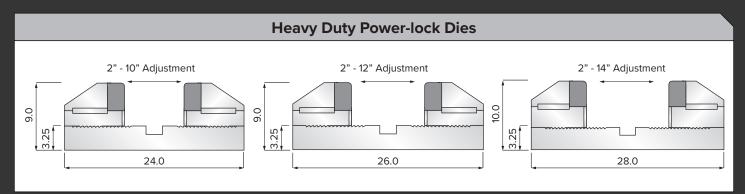


HEAVY DUTY POWER-LOCK DIE

Features include:

- CNC Crowning Motor
- Hydraulic system to accommodate quick and easy die opening adjustments
- Optional Plate Rollers







ACCURPRESS CUSTOM TOOLING TO YOUR SPECIFICATIONS

Accurpress Has Your Custom Tooling Solutions. Dedicated Tooling Specialists are Just a Phone Call Away!

We have several dedicated tooling specialists on staff to provide cost effective solutions for your special forming requirements.

Accurpress offers turnkey applications

– tested and proven in our factory.

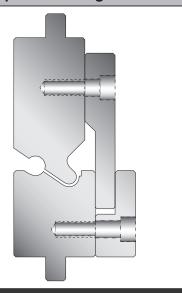
Turn to Accurpress for great service,
timely delivery and competitive pricing.

For further tooling and dealer information, call Accurpress Tooling Systems at 1-877-633-8665.

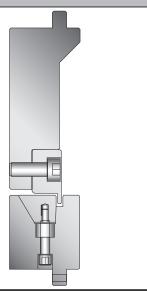


Call Us Toll Free at 877-633-8665 to Discuss Your Custom Tooling Applications.

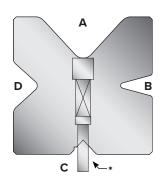
Special Curling Punch



Special Door Frame



4-Way 3-Hvac



A = 2.000" @ 85°

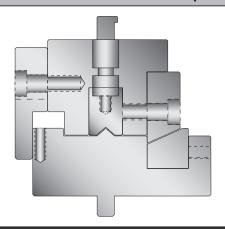
B = 0.500" @ 30°

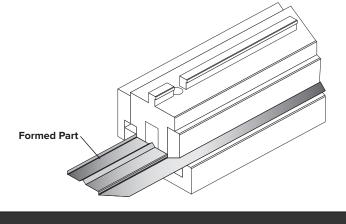
C = 0.625" @ 85° with notch for 1/4" flange

D = 1.125" @ 85°

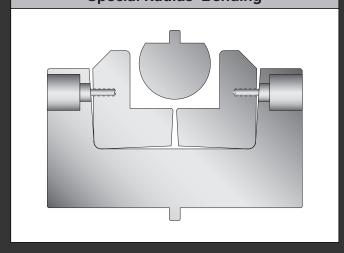
* Disappearing Spring Pins for locating sheetmetal – 3 total

Special Multiple Hit Forming





Special Radius Bending





DIE POLISHING



PROTECTIVE DIE FILM

Urethane Protective Die Film is a highly durable material used to act as a barrier against steel on steel rubbing.

This protective film is available in 4" and 6" widths at either .015" or .030" thickness.

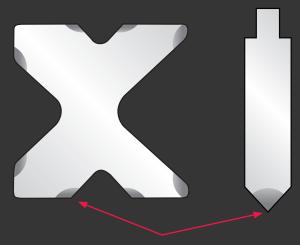


FLAME HARDENING



DOUBLE THE LIFE OF YOUR TOOLS

Get the most from your new tools with factory flame hardening. Flame hardening, a strongly recommended option which increases point of contact hardness to 50-55 HRC, ensures longer tool life – typically upwards of 100% – 300%.



Hardened Zones



ACCURCROWN... ELIMINATE SHIMMING

REDUCE COSTLY SETUP TIME - INCREASE YOUR PROFITS

Shimming press brake tooling is eliminated when you use an Accurcrown die holder system. The Accurcrown system is manufactured with a series of precision wedges providing a uniform crown, which may be adjusted manually or power interfaced to the Accurpress ETS3000 CNC system.

CROWNING DIE HOLDER SYSTEMS ARE OFFERED IN TWO SIZES

- 3.5" wide x 3.75" high:
 - Suitable for small to mid-range tonnages
 - Suitable for 4-way block sizes up to 3.25"
- 6.0" wide x 3.75" high:

Rotating the handle on the

manual holder adjusts the crown from

exact crown in thousandths of an inch.

the center out. An LED counter displays the

DIGITAL COUNTER

- Suitable for large tonnages
- Suitable for 4-way block sizes up to 5.75"

Optional 4-way die fixture attaches here



The Accurcrown also has localized adjustments every 8" – a great feature whereby an operator can adjust for worn tooling or compensate for any tolerances that exist in the press brake bed.

Adjustment is made by simply rotating each dial to raise or lower the crown height at any given point.

OPTIONAL 4-WAY DIE FIXTURE

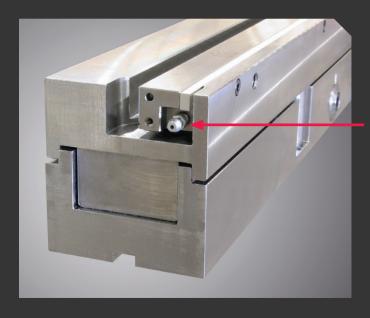
Optional 4-way die fixtures are available which are bolted to the top of the crowning unit, and rotate to suit various 4-way tooling sizes.





OPTIONAL CLAMPING BAR CONFIGURATION

The Manual Clamping Bar configuration is a cost effective solution for securing sectionalized lower tooling in the die holder. Clamping Bars are manufactured in 24" lengths.



OPTIONAL A-3 HYDRAULIC CLAMPING BAR

The Wila A-3 Hydraulic Clamping Accurrown features all the items as illustrated and described on page 12 plus... a Wila A-3 Hydraulic Clamping Pin System inserted into the top bar. This unit may be purchased as either manual or CNC crowning.

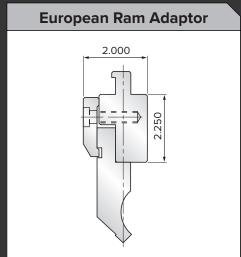


EUROPEAN RAM ADAPTOR

Accurpress offers the solution for those who wish to utilize their press brake with both American and European style tooling.



This Adaptor, as pictured and illustrated, has an American tang to mount into an American Style ram with the conversion for European style tooling. The advantage of this Adaptor is the short height in order to minimize the loss of ram open/closed height.



PREMIUM TOOLING

GENERAL PURPOSE "PLANED" TOOLING

- Each tool is carefully measured and recorded to ensure our tolerances are the top in its class.
- Available in lengths up to 24'.

GENERAL PURPOSE "GROUND" TOOLING

- High-end quality for a "General Purpose" price with holding tolerances and finishes that are the best in the industry for this class of tooling.
- Available in lengths up to 20'.

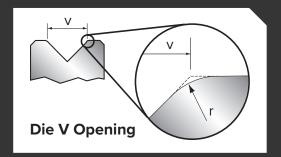
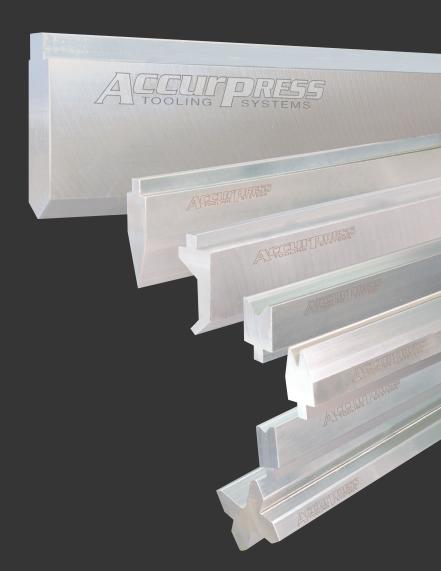
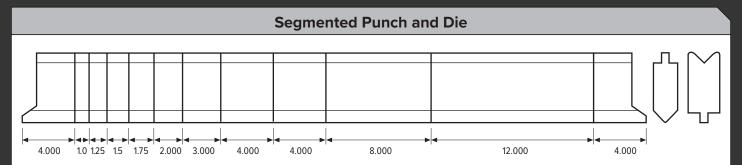


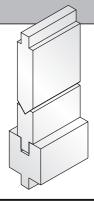
Illustration depicts V opening measurement.





- The tooling segments above will yield tool length combinations starting from 1.0"
- Segmented tooling can be cut and milled to your specifications
- Optional left and right horns available
- Optional 'Easy Tabs' can be added for safety

TOOL SET BUILD GUIDE



1 Tool Set Closed Height

Accurpress Tooling Systems offers special, fully customized tooling to fulfill your fabrication requirements. The following guidelines are designed to assist you in the determination of tooling dimensions.

| Model Number | Stroke | Open Height | Closed Height (T) |
|--------------|--------|-------------|-------------------|
| 725 | 6" | 12" | 6" |
| 760-7175 | 8" | 14" | 6" |
| 7250 | 8" | 16" | 8" |
| 7320-7500 | 10" | 18" | 8" |
| 7600-7750 | 12" | 20" | 8" |
| 71000 | 14" | 22" | 8" |

2 Closed Height Formulas

Use the tool set diagram below to determine suitable appropriate tooling sizes. The "T" value in the table above is the closed height of your press brake.

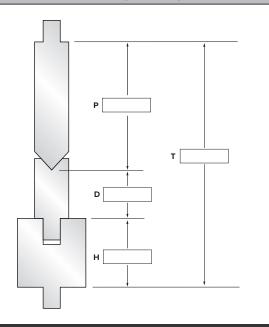
(H) Die Holder Height H = T - (P + D)

(P) Punch Height P = T - (D + H)

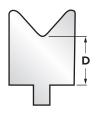
(D) Die Height* D = T - (P + H)

*Note: D value on 4-way dies refers to the largest V-opening.

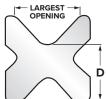
3 Closed Height Diagram



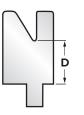
Die Height (D) for Tool Build-up Calculations



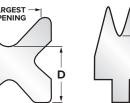
| Order # | (D) |
|---------|-------|
| L1 | 1.60" |
| L2 | 1.50" |
| L3 | 1.45" |
| L4 | 1.40" |
| L5 | 1.35" |
| L6 | 1.30" |
| L7 | 1.25" |
| L8 | 1.15" |
| L9 | 1.60" |
| L10 | 1.50" |
| L11 | 1.25" |
| L12 | 1.00" |
| L13 | 1.25" |
| L14 | 2.25" |
| L15 | 2.80" |
| | |



| Order # | (D) |
|---------|-------|
| 4W1 | 1.50" |
| 4W2 | 1.75" |
| 4W3 | 2.00" |
| 4W4 | 2.25" |
| 4W5 | 2.50" |
| 4W6 | 2.75" |
| 4W7 | 3.25" |
| 4W8 | 3.25" |
| 4W9 | 4.25" |
| 4W10 | 4.75" |
| 4W11 | 6.00" |
| 4W12 | 7.00" |
| | |

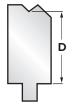






| Order # | (D) |
|---------|-------|
| L30-1 | 1.45" |
| L30-2 | 1.25" |
| L30-3 | 1.05" |
| L30-4 | 1.35" |
| L30-5 | 1.15" |
| L30-6 | 1.50" |
| L30-7 | 1.45" |
| L30-8 | 1.50" |
| L30-9 | 1.35" |
| | |

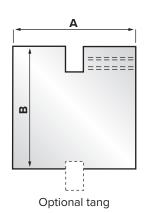
D



| Order # | (D) |
|---------|-------|
| OS1 | 2.65" |
| OS2 | 2.60" |
| OS3 | 2.55" |
| OS4 | 2.50" |
| OS5 | 2.40" |
| OS6 | 2.30" |
| OS7 | 2.20" |
| OS8 | 2.10" |
| OS9 | 2.00" |
| | |

DIE HOLDERS & 4-WAY DIES

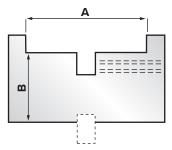
Conventional Die Holders



| Order # | Α | В |
|------------|-----|-------|
| DH2 - 11/2 | 2"1 | 1/2" |
| DH2 - 2 | 2" | 2" |
| DH2 - 3 | 2" | 3" |
| DH2 - 4 | 2" | 4" |
| DH2 - 5 | 2" | 5" |
| DH3 - 11/2 | 3" | 11/2" |
| DH3 - 2 | 3" | 2" |
| DH3 - 3 | 3" | 3" |
| DH3 - 4 | 3" | 4" |
| DH3 - 5 | 3" | 5" |
| DH4 - 2 | 4" | 2" |
| DH4 - 3 | 4" | 3" |
| DH4 - 4 | 4" | 4" |
| DH4 - 5 | 4" | 5" |
| DH5 - 2 | 5" | 2" |
| DH5 - 3 | 5" | 3" |
| DH5 - 4 | 5" | 4" |
| DH5 - 5 | 5" | 5" |
| DH6 - 6 | 6" | 6" |
| | | |

Other sizes on request

4-Way Holders



Optional tang

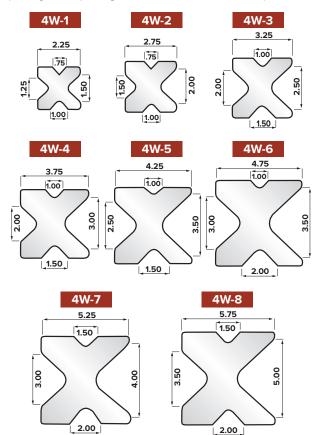
These holders fit pictured 4-way dies, plus special sizes listed below right.

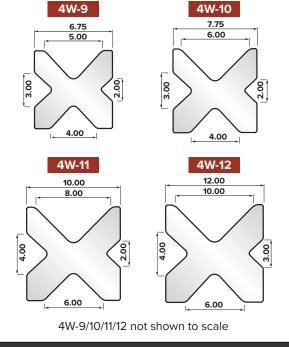
| 4WH1 - 2 21/4" 2" 4WH1 - 3 21/4" 3" 4WH2 - 2 23/4" 3" 4WH2 - 3 23/4" 3" 4WH3 - 3 31/4" 2" 4WH4 - 2 33/4" 2" 4WH5 - 2 41/4" 2" 4WH5 - 3 41/4" 3" 4WH5 - 4 41/4" 4" 4WH6 - 2 43/4" 2" 4WH6 - 3 43/4" 3" 4WH7 - 2 51/4" 2" 4WH7 - 3 51/4" 3" 4WH8 - 2 53/4" 2" 4WH8 - 3 53/4" 3" 4WH8 - 4 53/4" 4" 4WH9 - 2 63/4" 2" 4WH9 - 3 63/4" 3" 4WH10 - 3 73/4" 3" | Order # | Α | В |
|--|-----------|-------|----|
| 4WH2 - 2 23/4" 2" 4WH2 - 3 23/4" 3" 4WH3 - 2 31/4" 2" 4WH3 - 3 31/4" 2" 4WH4 - 2 33/4" 2" 4WH5 - 2 41/4" 2" 4WH5 - 3 41/4" 4" 4WH6 - 4 41/4" 4" 4WH6 - 3 43/4" 2" 4WH6 - 3 43/4" 4" 4WH7 - 2 51/4" 2" 4WH7 - 3 51/4" 3" 4WH8 - 2 53/4" 2" 4WH8 - 3 53/4" 3" 4WH8 - 4 53/4" 4" 4WH9 - 2 63/4" 2" 4WH9 - 3 63/4" 3" | 4WH1 - 2 | 21/4" | 2" |
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| 4WH7 - 3 51/4" 3" 4WH7 - 4 51/4" 4" 4WH8 - 2 53/4" 2" 4WH8 - 3 53/4" 3" 4WH8 - 4 53/4" 4" 4WH9 - 2 63/4" 2" 4WH9 - 3 63/4" 3" | 4WH6 - 4 | 43/4" | 4" |
| 4WH7 - 4 51/4" 4" 4WH8 - 2 53/4" 2" 4WH8 - 3 53/4" 3" 4WH8 - 4 53/4" 4" 4WH9 - 2 63/4" 2" 4WH9 - 3 63/4" 3" | 4WH7 - 2 | 51/4" | 2" |
| 4WH8 - 2 53/4" 2" 4WH8 - 3 53/4" 3" 4WH8 - 4 53/4" 4" 4WH9 - 2 63/4" 2" 4WH9 - 3 63/4" 3" | 4WH7 - 3 | 51/4" | 3" |
| 4WH8 - 3 53/4" 3" 4WH8 - 4 53/4" 4" 4WH9 - 2 63/4" 2" 4WH9 - 3 63/4" 3" | 4WH7 - 4 | 51/4" | 4" |
| 4WH8 - 4 53/4" 4" 4WH9 - 2 63/4" 2" 4WH9 - 3 63/4" 3" | 4WH8 - 2 | 53/4" | 2" |
| 4WH9 - 2 63/4" 2" 4WH9 - 3 63/4" 3" | 4WH8 - 3 | 53/4" | 3" |
| 4WH9 - 3 63/4" 3" | 4WH8 - 4 | 53/4" | 4" |
| | 4WH9 - 2 | 63/4" | 2" |
| 4WH10 - 3 73/4" 3" | 4WH9 - 3 | 63/4" | 3" |
| | 4WH10 - 3 | 73/4" | 3" |
| 4WH11 - 3 10" 3" | 4WH11 - 3 | 10" | 3" |
| 4WH12 - 3 12" 3" | 4WH12 - 3 | 12" | 3" |

Other sizes on request

4-Way Dies

Block sizes and openings on 4-way dies can be made to customer specifications, including more than four openings. All openings are 85° unless otherwise specified.

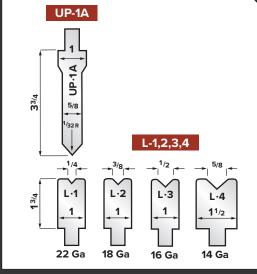


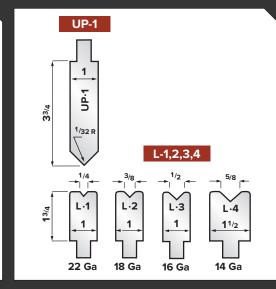


85° TO 90° FORMING PUNCHES & DIES

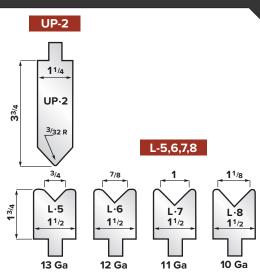
These 85° punch and die combinations are used for air bending techniques.

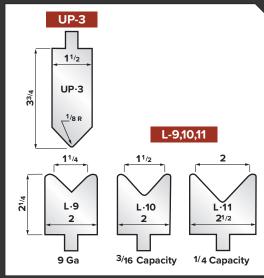
To produce sharp, closetolerance bends in light gauges, 90° punch and die combinations must be specified.

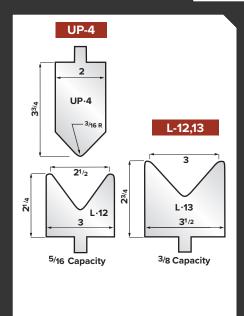


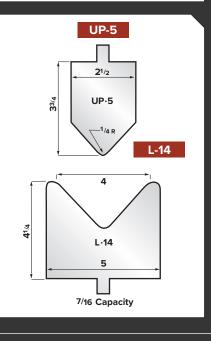


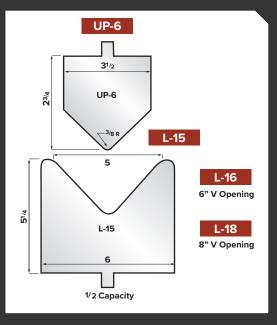




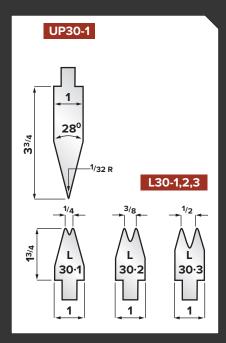


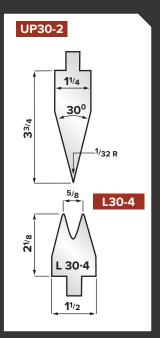


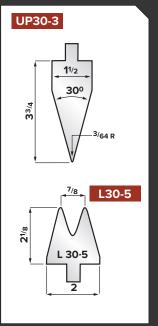




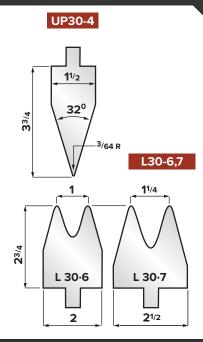
30° FORMING PUNCHES & DIES

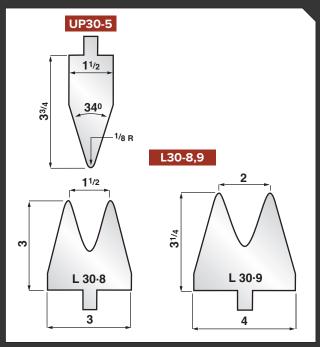






These dies are used for forming acute angle bends in 22 gauge through to 3/16".





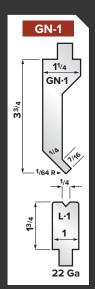


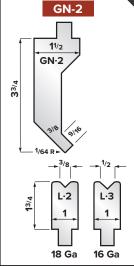
GOOSENECK PUNCHES & DIES

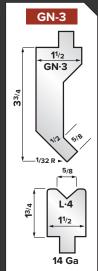
All gooseneck punches and die combinations are machined at 85° for air bend techniques unless otherwise specified.

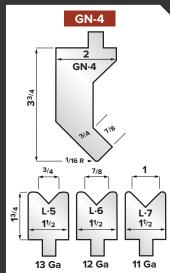
These punches are used for forming right angle bends, channels, or other special bends where a straight 90° punch would interfere.

GN #7, 8 and 9 punches are cut back further beyond the centerline for a greater flange.

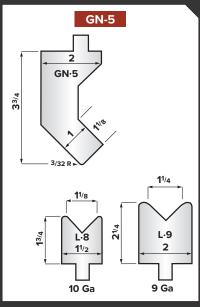


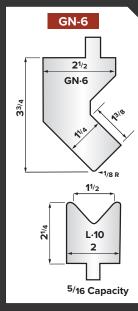


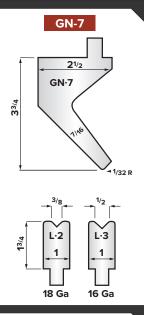


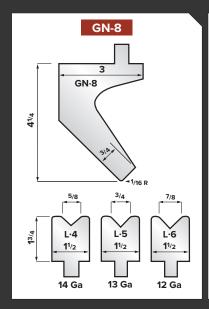


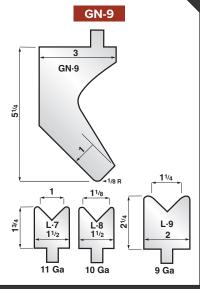


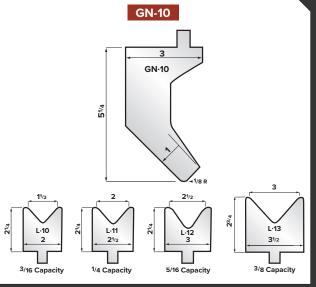




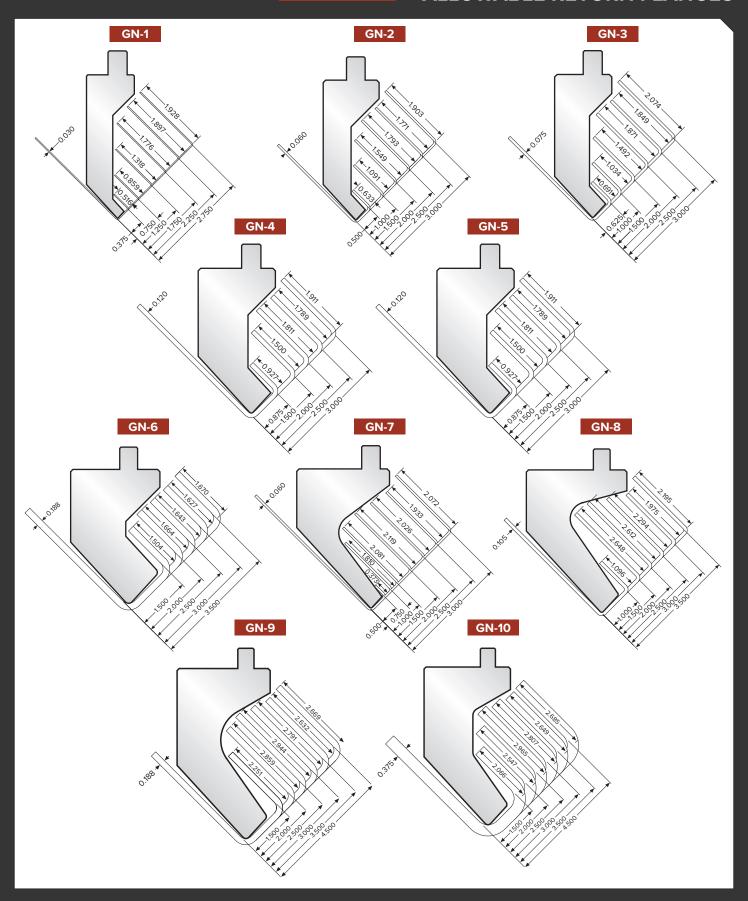








ALLOWABLE RETURN FLANGES

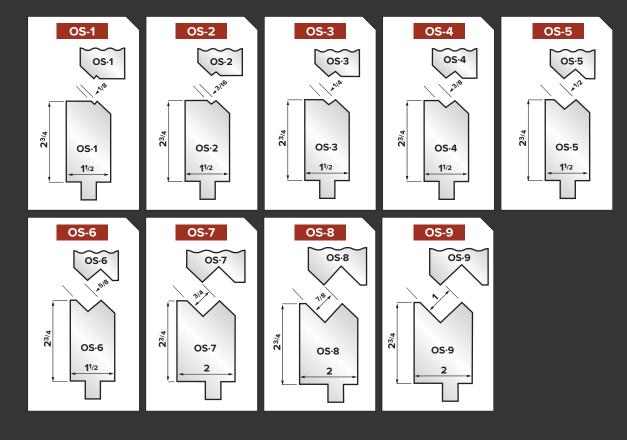


OFFSET DIES

Offset dies are sold in sets.

General purpose offset dies form two 90° bends in one stroke.

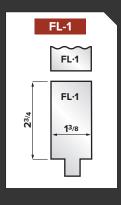


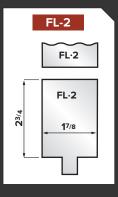


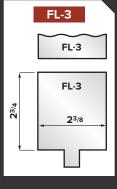
FLATTENING DIES

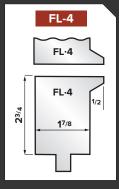
Flattening dies are sold in sets.

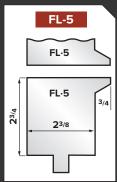
They are used to complete hems, or to close a previously formed angle to a given degree.



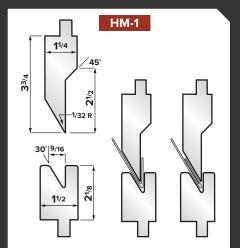


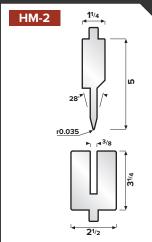






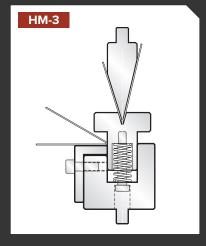
HEMMING DIES

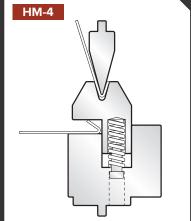




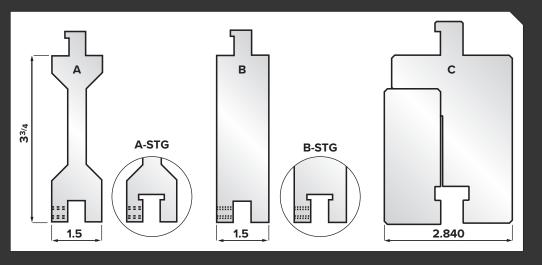
These combinations are used for hemming on a twostroke operation.

- HM-1 is used to hem 18 gauge or lighter.
- HM-2 is capable of both air-bending and hemming light gauge material.
- HM-3 is for hemming material heavier than 18 gauge.
- HM-4 can be customized to suit individual applications.





RAM ADAPTORS



Ram adaptors may be necessary to fill up die space if ram adjustment is insufficient, or to suit conditions for box forming.

The three styles shown are in 33/4" but are available in all heights.
They have safety tangs, and are manufactured from 4150 material.



The Accurpress Precision Tooling line has been designed and manufactured to fill a void in the current North American tooling market between "general purpose +/- 0.003" and "high-end precision +/- 0.0004" tooling.

Accurpress Precision Tooling is precision grade, holding tolerances at +/- .0008", and sold at very cost effective pricing. These tools come in a maximum length of 515mm (20.28") and are produced on top-of-the-line creep feed grinding machines. Each section is laser etched with a full description of the tool as well as its maximum tonnage/ft rating.

In addition, each section of Precision Tooling comes standard with the working radii induction hardened to a minimum of 50 HRC to ensure long-term performance.

Quality Control

Each section is measured against a master before it is shipped to ensure tolerances are maintained.

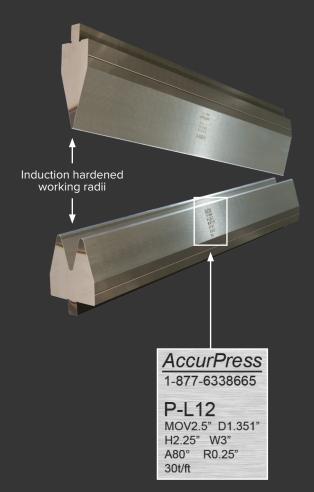
Certified Materials

We use only the finest pre-hardened brake die material available to manufacture the Precision line. Base hardness 270 - 300 Brinell, 28 - 32 HRC.

Warranty

One year on material defect.

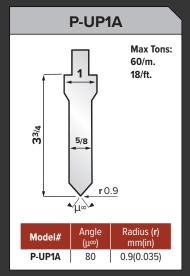
NOTE: The warranty does not cover operator error/misuse (ie.; Over tonnage situations).

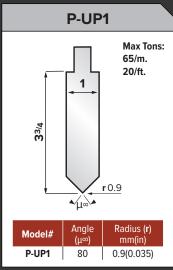


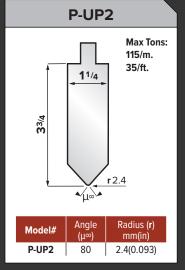
Laser etched tooling description

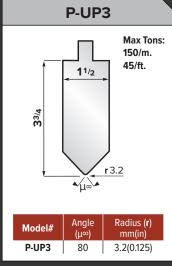
PRECISION 80° FORMING PUNCHES

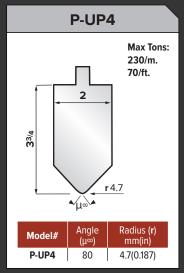
These 80° punch and die combinations are used for air bending techniques.

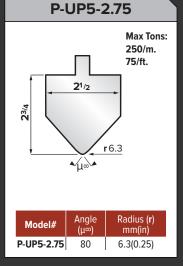


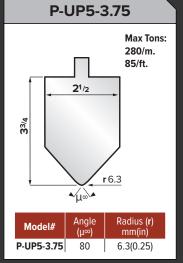




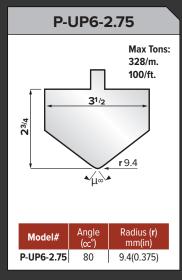


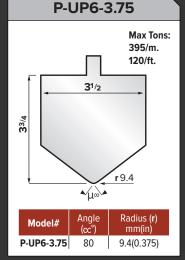




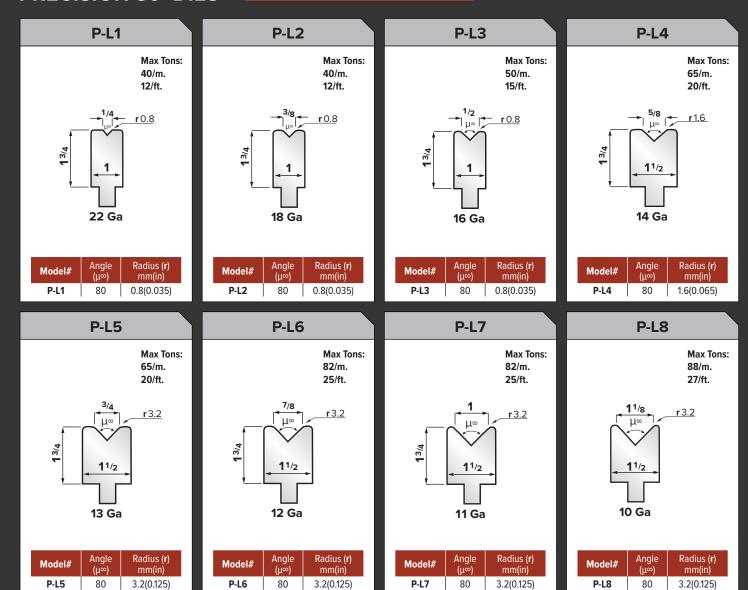




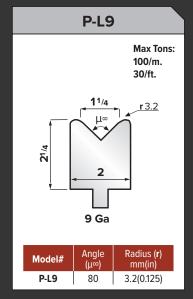


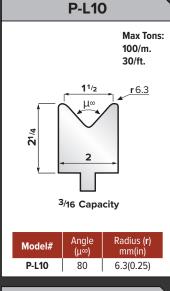


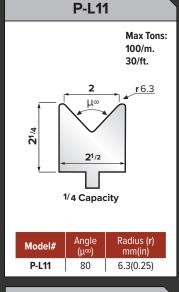
PRECISION 80° DIES

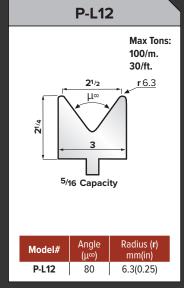


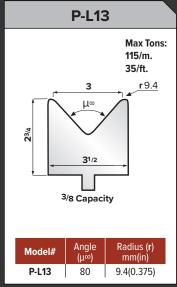
PRECISION 80° DIES

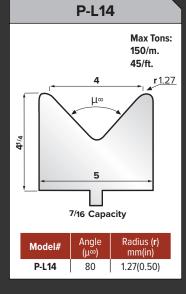


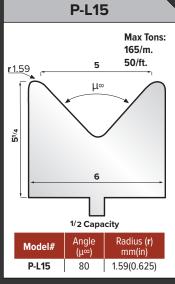








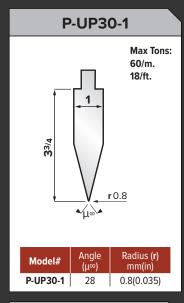


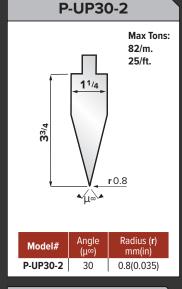


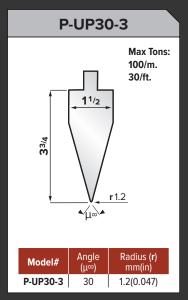
PRECISION 30° FORMING PUNCHES

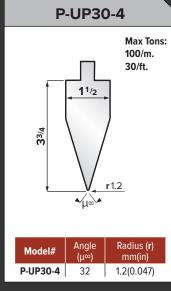
These dies are used for forming acute angle bends in 22 gauge through to 3/16".

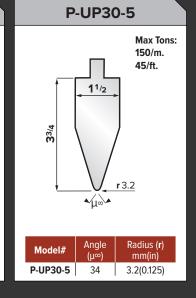




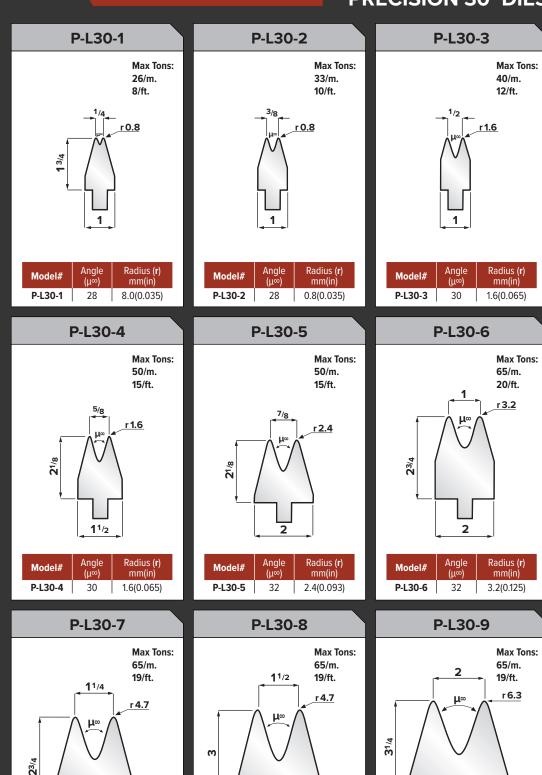








PRECISION 30° DIES



3

36

mm(in)

4.7(0.187)

Model#

P-L30-8

21/2

34

mm(in)

4.7(0.187)

Model#

P-L30-7

Radius (**r**) mm(in)

6.3(0.250)

4

Angle

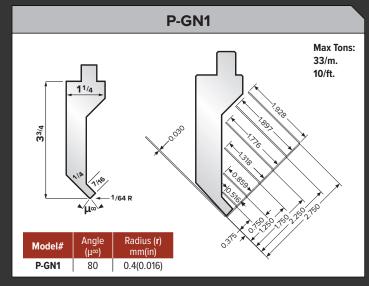
38

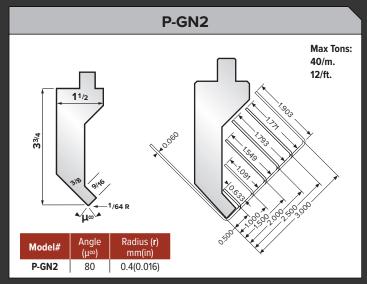
Model#

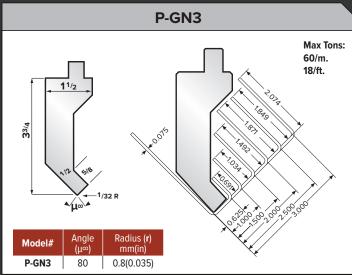
P-L30-9

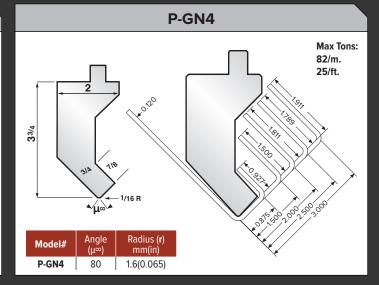
PRECISION GOOSENECK PUNCHES

All gooseneck punches and die combinations are machined at 80° for air bend techniques unless otherwise specified. These punches are used for forming right angle bends, channels, or other special bends where a straight 90° punch would interfere.

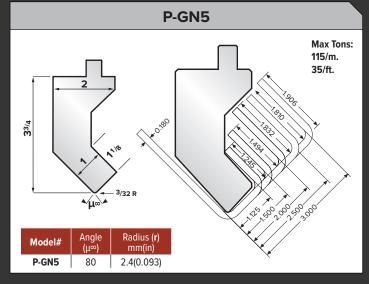






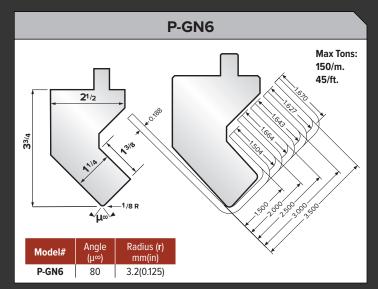


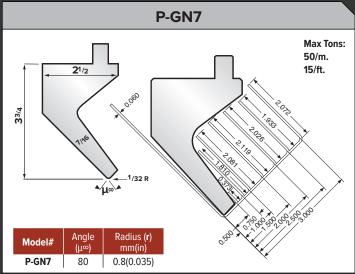


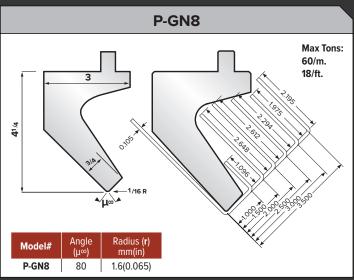


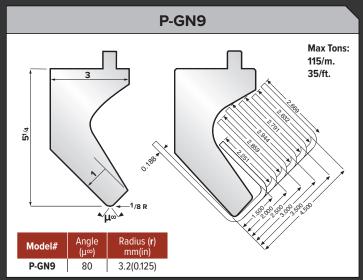
PRECISION GOOSENECK PUNCHES

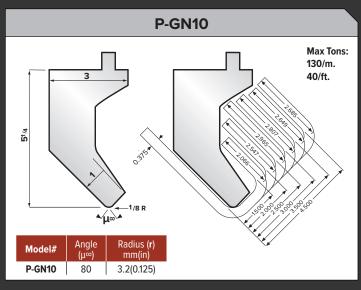
P-GN7, P-GN8 and P-GN9 punches are cut back further beyond the centerline for a greater flange.



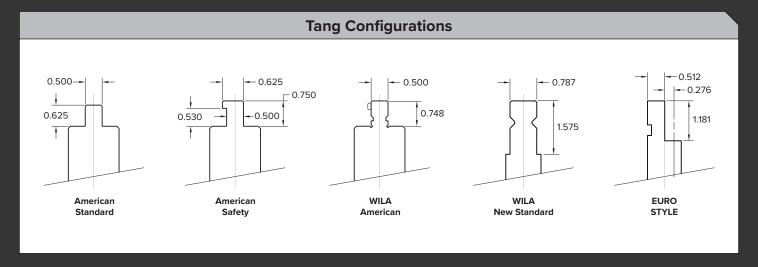








GENERAL REFERENCE





BENDING REFERENCE GUIDE

TONNAGE CHART

Accurate tonnage requirements and recommended model selections, based on a wide range of materials, can be determined by using the Accurpress Tonnage Calculator, which can be accessed online, at www.accurpress.com.

MILD STEEL BENDING TONNAGES

The chart below illustrates the appropriate tonnages to air bend mild steel with 60,000 p.s.i. tensile properties. It must be noted that most North American steel mills are producing harder metals with typical mechanical properties of 44,000 p.s.i. yield and up to 80,000 p.s.i. tensile strengths. The tonnages required to form these metals are substantially higher and must be taken into consideration in the selection of a press brake. With an eight-to-one die ratio, the inside radius of a right angle bend is approximately equal to the thickness of the metal. The bending forces for mild steel are shown on the chart below.

BENDING FORCES FOR OTHER METALS

Soft brass, soft aluminum: 50% of force shown Aluminum alloys, heat treated: same as mild steel Stainless: 50% more than steel

BENDING FORCES FOR OTHER METALS

Tonnage requirements are three to five times greater than for air bending. Coining is normally done in very high precision environments and on light gauge materials only.

f = U.S. tons/lineal ft. of workpiece Force to Air-Bend Mild Steel (80,000 PSI Tensile) All dimensions in inches 2 3/16 2 ¹³/₁₆ 3/16 9/32 11/32 7/16 %₁₆ 11/16 11/8 1 3/8 5 1/2 6 1/8 f 7/8 1 3/4 3 1/2 4 1/2 t 1/32 7/64 9/64 ⁵/₃₂ 13/64 1/4 5/16 13/32 33/64 5/8 3/4 1 1/32 1 1/16 1 1/8 r 1/16 5/64 Thickness Thickness Inches 0.036 2.0 20 For steel of different yield strength, \mathbf{f} value F Values based on 80,000 PSI Tensile 7.1 2.8 18 differs in proportion to strength ratio. 2.8 11.1 16 Inside radius \mathbf{r} , for mild steel is about 5/32 of female = die opening \mathbf{v} for any \mathbf{t} . 0.075 11.5 8.6 5.8 4.3 14 Shaded \mathbf{f} values are for $\mathbf{v} = 8\mathbf{t}$, 12 13.6 0.105 8.5 4.2 12 16.9 common for average 90 bending. 0.120 22.1 17.7 14.8 11.1 8.9 7.4 5.5 11 4.4 If \mathbf{t} is 1/2 inch or more use $\mathbf{v} = 10\mathbf{t}$. 10 0.135 22.4 14.0 7.0 4.7 10 0.188 43.4 36.2 27.1 21.7 18.1 13.6 10.9 9.0 3/16 9.6 0.250 48.0 38.4 32.0 19.2 16.0 12.0 1/4 0.313 75.2 60.2 50.2 37.6 25.1 18.8 15.1 12.5 5/₁₆ 43.2 18.0 13.5 10.8 3/8 0.375 86.4 72.0 54.0 21.6 0.438 117.9 98.2 73.7 58.9 49.1 29.5 24.6 18.4 14.7 7/16 48.0 76.8 1/2 t = Workpiece thickness 0.625 100.0 75.0 60.0 50.0 37.5 30.0 5/8 \mathbf{r} = Inside radius of formed part 0.750 108.0 72.0 43.2 3/4 v = Vee-die opening 0.875 147.0 117.6 98.0 73.5 58.8 7∕8 f = Minimum flange 128.0 96.0 1

SAFETY WARNING

Press brake tooling is used in combination with sophisticated machinery and high hydraulic pressure, a situation in which misuse may lead to serious personal injury.

To prevent injury:

- 1. Never use our dies in equipment which lacks the proper safeguards to prevent the user's hands or body parts from entering or remaining in the die space while the equipment is in motion.
- **2.** Fully familiarize the die setter with the press brake or machine manual.
- **3.** Ensure all points of operation guards are operational and in place, preventing users from exposing any part of their person to the closing on the machine or press brake.
- **4.** Supply hand tools for inserting, holding, or removing material, keeping hands at a safe distance.
- **5.** Provide users with training in safety practices and procedures. Insist these be followed. Monitor for compliance.
- **6.** Ensure dies are being installed and operated per the instruction manual for the brand and make of machine used.
- It is our responsibility to produce tooling and dies from quality materials to high standards of manufacturing performance.

It is the user's responsibility to employ them in proper application with due regard to safety.

Dealer Support Network

Accurpress Sales & Service is provided by an Authorized Dealer Network. All of our Dealers are factory trained and supported to provide you with knowledgeable, competent, and local service.



ADVANTAGERugged Design and Intelligent Controls



ACCELL EThe Competitive Edge



ACCELL UUpgrade Package for the Accell E



ACCELL HHybrid Technology



ACCELL HTHigh Tonnage Machines



AccurshearDiscover Shear Power

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For more information about our products, please refer to our comprehensive brochures or visit our site **www.accurpress.com**.

