

JOHN STORTZ & SON

ROOFING CATALOG

**Specialty Slate and Sheet Metal Tools
Since 1853**

www.stortz.com

STORTZ



Jeff Stortz, John Stortz
and Tom Stortz

John Stortz & Son was established in 1853 by John Stortz and is still under the direction of the "Stortz" family, who have for 5 generations lived up to the reputation of its founder for providing the trades with high quality hand tools.

Our record of longevity is still based on a commitment to our customers' needs and to their satisfaction. Behind every tool, stands our pledge to offer you superior quality products, competitive pricing and prompt customer service. Your satisfaction is our top priority.

We take pride in introducing our new catalog and ask that you take a few minutes to review our product offering with your particular needs in mind. We welcome customer inquiries and opinions, as your feedback is the basis from which our longevity is derived. We can be reached at our toll free #888-847-3456 or by email at john@stortz.com.

Thank you for your continued confidence, trust, and support. We look forward to the opportunity to be of service in the future.

Sincerely yours,
John Stortz & Son

John C. Stortz
President



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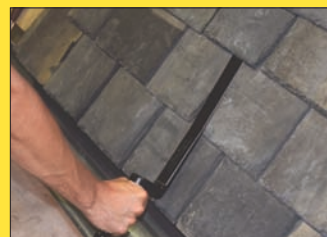
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STORTZ RIPPERS – OFTEN IMITATED BUT NEVER DUPLICATED

A slate ripper is used to slide underneath broken pieces of slate and hook the nail that secures the slate. By hitting the handle with a hammer, the nail is pulled out, thus allowing the slate to be removed. The #1 quality of a Stortz ripper is the superior strength combined with a thin, flexible blade that will not break adjoining slates. This is the preferred ripper among slaters.



84-A “DURABLE” SLATE RIPPER

100-A HEAVY DUTY SLATE RIPPER

- A one piece forging provides years of use and is superior to a welded constructed ripper
- The reinforced handle will withstand a beating over its lifetime
- Front end of blade designed with radius for feeling location of nails
- Hook nails with 1/8” opening on both sides
- The tool is equally useful on tile shingles and cedar shake
- 84-A – 1 1/2” wide x 3/4” deep handle
- 100-A – 1” wide x 2” deep handle



84-A



100-A

| Item No. | Overall Length | Blade Length | Weight |
|----------|----------------|--------------|---------|
| 84-A | 30 1/2” | 24 1/2” | 3.5 Lbs |
| 100-A | 32” | 25 1/2” | 4.5 Lbs |



84-A detail



100-A detail

REPLACEABLE BLADE SLATE RIPPER

- European style – thin, flexible stainless steel blade
- Replaceable blade secured to handle by means of 2 threaded screws with nuts

Parts:

- 00250001 – Replacement claw handle
- 00250002 – Replacement handle
- 00253400 – 15 3/4” Stainless steel blade
- 00253525 – 20 1/2” Stainless steel blade
- 00253600 – 24” Stainless steel blade



00240600 TRADITIONAL GERMAN RIPPER

- Hand forged out of one piece steel
- Nail claw handle
- 24” thin blade w/ multiple nail pulling slots



00240600



83-B



135550



00074000



Picture illustrates slate hammer mid-section being used to trim slate utilizing a stake as base.

83-B STORTZ RIGHT HAND SLATE HAMMER

83-C STORTZ LEFT HAND SLATE HAMMER

- Slate roofing hammer gives the user the ability to trim slate, punch nail holes, and remove nails with one versatile tool
- Hammer face, nail claw, and punch are specially heat treated to withstand tough use
- All leather “bell” handle offers comfortable grip
- Available in left and right hand models
- The main difference between a left and right model is the claw is on the opposite side
- Weight: 24oz

135550 DIMOS SLATE HAMMER

- One-piece design of the saga v2 hammer gives extra strength for trim work on both sides of the stake
- Removable weight allows hammer to adapt to the thickness and the hardness of the slate to its user
- Weight: 22 oz, 27 oz w/ removable weight

00074000 ORNAMENTAL SLATE HAMMER

- Super lightweight hammer design allows for artistic shapes to be achieved due to increased hammer control
- Weight: 17oz

For our complete offering of Slate Hammers, visit us at www.stortz.com

RESTORATION HAMMERS



83-H



83-H

83-H 28 oz ROOFER'S RESTORATION HAMMER –FULLY POLISHED

- Ideal for driving nails on slate roof installations
- Polished hammer head offers checkered striking face
- Pointed end for punching nail holes in slates

00114000 - 35 oz FREUND RESTORATION HAMMER

- One piece forged restoration hammer
- Leather handle and magnetic nail stabilizing face
- Good weight to strike a slate ripper

00114000



Restoration hammers make a great choice for striking a slate ripper and punching nail holes in slates

51-C GENUINE SLATE CUTTER

- This heavy duty slate cutter is the best choice for cutting up to 3/8" slate and finishing with a professional chamfered edge
- The 8" blade is curved and ribbed to deliver full leverage and maximum bite
- Smooth, long cuts on thinner pieces of slate and can also do convex cuts
- The blade and replaceable punch are heat treated to provide for the toughest use
- Sold mounted to weather proof board for enhanced stability and leverage when cutting



51-C

| Item No. | Overall Length | Weight | Cutting Blade Length |
|----------|----------------|--------|----------------------|
| 51-C | 22" | 9 lbs | 8" |

94-A HAND HELD SLATE CUTTER WITH PUNCH

94-B HAND HELD SLATE CUTTER W/O PUNCH

- The tool is spring loaded and fitted with plastic handle grips
- Useful in close quarters and for tight radius cuts
- Cuts a max slate thickness of 3/16"



94-B

94-A

| Item No. | Blade Length | Overall Length |
|----------|--------------|----------------|
| 94-A | 1 1/2" | 12" |
| 94-B | 1 1/2" | 12" |

94-R REPAIR KITS Includes Spring and Center Bolt

95-A SLATE CUTTER AND TRIMMER

95-FB FLARED BASE SLATE CUTTER AND TRIMMER

- This best-selling slate cutter will make straight, as well as concave and convex cuts, leaving a professional chamfered edge
- The tough, heat treated blade is removable and can be reordered as can the punch
- Excellent "bite" on the toughest slate varieties up to 3/8" thick
- 95-FB cutter can be used by kneeling on flared end or hooking under a belt while on roof
- For greater stability, two pieces of angle iron can be fitted to the bottom section by means of predrilled screw holes, at the option of user. The angle iron is included with purchase



95-A



95-FB

| Item No. | Overall Length | Weight | Cutting Blade Length |
|----------|----------------|--------|----------------------|
| 95-A | 25" | 5 lbs | 4" |
| 95-FB | 25" | 5 lbs | 4" |
| 95-B | Blade Only | | |
| 95-P | Punch Only | | |

PSC - POWER SLATE CUTTER

- No experience necessary, easy to use for professional chamfered cuts
- Cuts both concave and convex curves
- Will cut up to 1/2" slates
- Adjustable fence
- Saves labor cost when used over long term

| Item No. | Overall Length | Weight |
|----------|----------------------|--------|
| PSC | 12" W x 15" L x 9" H | 35lbs |



PSC

SLATER'S STAKES



85-A



85-C



85-B



135555

85-A LARGE STRAIGHT SLATER'S STAKE

85-C SMALL STRAIGHT SLATER'S STAKE

- For use in conjunction with slate hammer for trimming slate
- Forged pointed end to be driven into a wooden surface, providing a stable edge for trimming slate
- Size:
 - 85-A Large: Length: 20" x Height: 8"
 - 85-C Small: Length: 12" x Height: 6"

85-B CURVED SLATER'S STAKE

- Curved stake provides alternative angles for cutting
- Good for creating curved or ornamental pieces
- 12" x 8"

135555 DIMOS SLATE STAKE

- Made of one piece, stainless steel
- 16" x 7 3/4"

SLATE ACCESSORIES



CSH

SSH



COPPER ROOFING NAILS

COPPER / STAINLESS STEEL SLATE HOOKS – PER POUND

- Used to install replacement slates during repair
- Available in Copper (CSH) or Stainless Steel (SSH)
- CSH approx. 45pcs/pound
- SSH approx. 70pcs/pound
- 3" length, 4" length available

9 SERIES COPPER SLATE ROOFING NAILS - PER POUND

- Large, smooth shank, smooth head, diamond point, 10ga nails
- To determine correct length to use, add 1" to twice the thickness of your slate

| Item No. | Length | Nails Per Pound |
|----------|--------|-----------------|
| 9-A | 1 1/4" | 185 |
| 9-B | 1 1/2" | 150 |
| 9-C | 2" | 120 |
| 9-D | 2 1/2" | 90 |

19600 ACRO SLATER'S ROOF BRACKET

- Adjusts and locks to six positions (33°, 38°, 43°, 48°, 50°, 55°)
- Made of galvanized steel for strength, safety and durability
- Preferred/Best-selling roof bracket for slate roofers

SLATOR & SLATOR MINI

- OSHA compliant & ANSI certified, the Slator fastens to a steep slate or asphalt roof and firmly clamps a ladder into position. The Slator provides a tie off point
- Meet OSHA's criteria for a fall protection anchor when fastened and used according to a Slator LLC's instructions
- Fasteners and tutorial videos available at www.stortz.com



19600



SLATOR & SLATOR MINI

European Quality Sheet Metal Bending Tools

WUKO UNI BENDER 2204

- Can be used for bending straight sheets as well as radii
- Inch ruler located on bender marked in 1/16" increments
- Useful for flashing and other bends made on site
- No damage to painted or coated material
- This tool can be used to create the male and female profiles of the double lock standing seam
- To use, insert the sheet metal between the wheels and roll through the sheet metal. Using forward and back movement, slowly apply upward pressure to bend up neatly to 90°
- Bending Depth: 3/8" – 8"

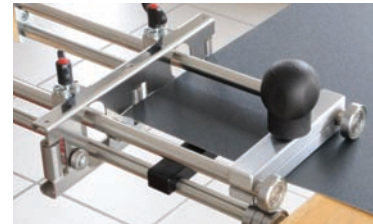


WUKO 2204

WUKO 3200 DUO BENDER 8"

WUKO 3350 DUO BENDER 14"

- Designed for quick and easy bending of long, straight sheet metal
- Best for making 90° bends where brakes are not convenient such as on the job site or if the bend is longer than the brake
- Added rollers increase leverage for faster bending
- DUO PLUS option includes support rail & handle as well as a carrying case



WUKO 3200

WUKO 2020 – MINI RADII BENDER

WUKO 2050 – RADII BENDER

- Used for bending up to 90° especially on small radii (inner as well as outer radii)
- Free hand bending for radius details
- Max bending depth – 2020 – 3/4", 2050 – 2"



WUKO 2050

WUKO 4010 MINI DISC BENDER

WUKO 4040 DISC BENDER

- For hemming metal from 90° down to 180° for inner as well as outer radii
- Max bending depth – 4010 – 3/4", 4040 – 1 1/4"



WUKO 4040

WUKO 4000 HEMMER

- For hemming metal from 90° down to 180°
- Useful for creating hems on rake or eaves edge that extend past the size of a brake
- No adjustments – metal will slide between spacing up to 1 1/2" and turn a hem with downward pressure
- No maximum limit to length of panel this tool will hem



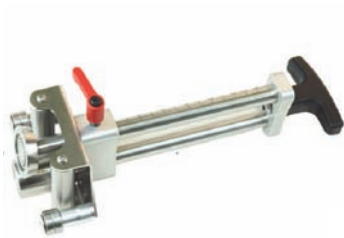
WUKO 4000

GENERAL MAX SHEET METAL THICKNESS GUIDE:

- Aluminum: .040"
- Copper: 20 oz
- Stainless steel: 28 gauge
- Steel: 24 gauge
- Zinc: 0.8mm



Instructional videos and full Wuko offering available at www.stortz.com



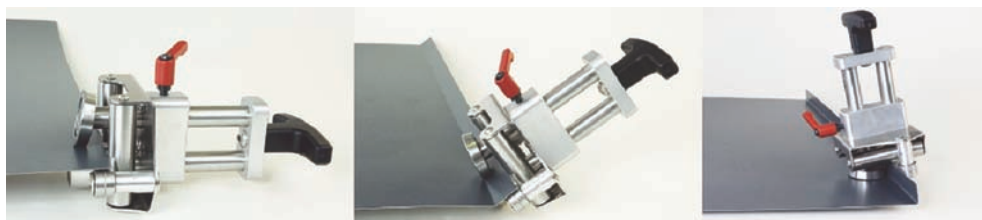
S-150 BENDER



XL-250 BENDER

STORTZ PERFECT BENDER & XL MODELS FOR BENDING

- Perfect bender can bend a flat sheet of metal up to 110° and will not scratch paint past 90° (see bending example #1)
- Main operating parts are constructed of stainless steel for working in any weather condition
- Spacing between axles can be adjusted from .3mm–1mm depending on material thickness
- S Models best used for shorter and on site bends
- XL model is ideal for longer runs (10'+ bends). Two points of contact and larger size provide extra leverage for bending
- Note: Laser inscribed depth ruler in imperial markings
- S sizes include 60mm (2 1/4"), 100mm (4") and 150mm (6")
- XL sizes include 150mm (6") and 250mm (10")



Bending example #1: The S-100 effortlessly bends past 90° without scratching material finish

STORTZ PERFECT BENDERS - 180° HEMMING



ROLLER S HEMMER



ROLLER XL HEMMER

STORTZ PERFECT BENDER - ROLLER S & XL MODELS FOR HEMMING

- Roller S & XL models are hemming tools that will take a 90° bend and hem it to 180° (see bending example #2)
- Hems can be made from 5/16"
- Perfect glide and bending features
- For material up to 1mm thick



Bending example #2: The model XL hemmer takes the 90° bend down to 180° in a few passes

81 SERIES STORTZ ROOFING DOUBLE SEAMERS

- Cast from high quality gray iron
- Working areas of sides are ground flat
- One side is lower in height than the other to allow for bending and locking standing seams

| Item No. | Height Low Side | Height High Side |
|----------|-----------------|------------------|
| 81-B | 1" | 1 1/4" |
| 81-C | 1 1/4" | 1 1/2" |



81-B

81-C

01150000 5 1/2" BLADE END SEAMING ANVIL**01150100 4" BLADE END SEAMING ANVIL**

- Blade end can be used as a free hand anvil – extremely versatile
- 4" width ideal for curved bends
- Blade height: 1"
- Anvil height: 1"
- OAL: 11 1/2"



01150000

2781 01 STUBAI PROFESSIONAL HAND SEAMER

- Heights of sides measure 1" x 1 3/8"
- 1 3/8" width of top area to bend metal over
- Seamer is angled so metal bends cleanly and will not mar the material
- 3 3/4" height of handle allows tool to fit over seams
- Weighs 8 lbs



2781 01

ESE002 ESE HARDY TOOL**ESE002C CURVED HARDY TOOL**

- Curved tool works well when creating standing seams on bay windows and concave bends
- Form fitted handle for comfortable transport
- Heights of sides are 1" x 1 3/8"
- 6" Wide



ESE002C/ESE002

2788 50 STUBAI PLASTIC SEAMING TOOL

- Lightweight, easily carried on the roof
- Angle edges (5-7°) for precise bending and overbending
- Heights are 1" (25mm) x 1 3/8" (35mm)
- 1 1/2" ridge width
- 5 1/2" width x 11 1/2" length



2788 50

01120000 SEAMING SPOON FOR CURVES

- Useful for seaming concave surfaces on sheet metal
- Weight: 3 1/2 lbs



01120000



371-A

371-A PVC ROUNDED TINNER'S HAMMER

371-B PVC WEDGED TINNER'S HAMMER

- Hammer offers PVC head and is fitted with a wood handle
- Lightweight but strong, all purpose metal working hammer
- Will not mar the metal
- Wedged end used for accurate hits

| Item No. | Weight | Overall Length |
|----------|--------|----------------|
| 371-A | 10 oz | 13" |
| 371-B | 18 oz | 15" |

01670032 1 1/4" DEAD BLOW HAMMER

01670050 2" DEAD BLOW HAMMER

- Polished finish, lacquered, with curved hickory handle
- Shock resistant nylon head - great hammer for metal bending

| Item No. | Weight | Head Width | OAL |
|----------|---------|------------|-----|
| 01670032 | 16.8 oz | 1 1/4" | 13" |
| 01670050 | 36.8 oz | 2" | 14" |

FH - ANGLED NYLON MALLET

- Highest quality nylon headed mallet for seam closing and general sheet metal work
- Angled head to keep knuckles off of material when closing standing seams or similar intentions
- OAL: 13 1/2"
- Head size: 6" x 1 1/2" (rectangular)

SH3 SHEET METAL HAMMER

- This 18oz sheet metal hammer is equipped with a lacquer leather grip that conforms to the users hand over time
- One-piece forged, I-beam construction
- Fully polished heads with beveled face and are corrosion resistant
- OAL: 12 1/2"
- Head Size: 3/4" Square

01691400 STRETCHING HAMMER

- One vertical face, one horizontal face
- Both face widths measure 1 1/8"
- OAL: 13 3/8"
- Weight: 14 oz

01673000 WEDGED WOODEN TINNER'S HAMMER

- Will not mar material
- Wedged head made of beech wood
- Weight: 19.2 oz



371-B



01670032



FH



SH3



01691400



01673000

MT14000 FAIRMONT TONG SERIES

- Useful in sheet metal installing and repairing applications
- Forged and plated
- Bending depth marks on tong jaws in 1/4" increments
- Tongs are 9 1/2" in length with a 3" wide jaw
- Throat depth is 1 1/8"

MT14000 FAIRMONT TONG

MT14010 FAIRMONT TONG OFFSET

MT14020 FAIRMONT TONG W/ CUSHION GRIPS

MT14030 FAIRMONT TONG OFFSET W/ CUSHION GRIPS

STEADMAN TONG

- Superior strength, balance, and feel
- Offset tong has a 1" insertion depth and works great on all common materials



MT14000



MT14030



STEADMAN TONG

SEAMING PLIERS

- Forged tongs are of highest quality and fitted with vinyl grips on handles
- Great tools for sheet metal bending
- Most tools available in 3 sizes (1 1/2", 2 3/8", 3")

87-A BENT 45° SEAMING PLIERS

87-B BENT 90° SEAMING PLIERS

88-A HEAVY DUTY 45° SEAMING PLIERS

363-A STRAIGHT SEAMING PLIERS

363-B HEAVY DUTY STRAIGHT SEAMING PLIERS

| Item No. | Blade Width | Bending Depth |
|----------|-------------|---------------|
| 87-A | 2 3/8" | 2" |
| 87-B | 2 3/8" | 2" |
| 88-A | 4" | 2 1/2" |
| 363-A | 2 3/8" | 2 1/2" |
| 363-B | 4" | 2 1/2" |



363-B



87-B

364-A SEAM OPENER

- Specially designed pliers for prying open single or double locked standing seams
- Essential tool for any standing seam roofer
- 10" overall length with 1 1/4" working end



364-A

SEAMING PLIERS



87-A



87-B



88-A



363-A



363-B



364-A

86-A

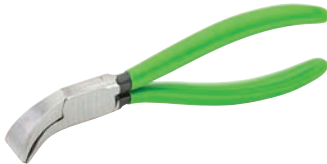


86-A DEEP DEPTH SEAMING PLIER

- Exceptional strength and bending depth for a single handed plier
- 45° angle cuts on tool face is great for scribing and bending pitch transitions

| Item No. | Jaw Depth | Jaw Width | Overall Length |
|----------|-----------|-----------|----------------|
| 86-A | 3" | 3" | 13" |

01090022



01090022 45° PICCOLO "MINI" SEAMING PLIERS

- 45° seaming pliers used for detail bends

| Item No. | Jaw Depth | Jaw Width | Overall Length |
|----------|-----------|-----------|----------------|
| 01090022 | 1 1/4" | 7/8" | 7" |

01080022



01080022 PICCOLO "MINI" STRAIGHT SEAMING PLIERS

- Straight pliers ideal for detail work

| Item No. | Jaw Depth | Jaw Width | Overall Length |
|----------|-----------|-----------|----------------|
| 01080022 | 1 1/4" | 7/8" | 7" |

2820 51KU



2820 51KU STRAIGHT PLIERS W/ PVC JAWS

2821 51KU 45° PLIERS W/ PVC JAWS

- Stubai straight seaming pliers with interchangeable PVC jaws
- Ideal for use on painted material to prevent unsightly scratches

2821 51KU



9PL 9" HAND SEAMER

- Unique 9" width is great for precise bends
- Drop forged high quality steel
- Fully heat treated and tempered
- 3" and 6" widths available

| Item No. | Jaw Depth | Jaw Width | Overall Length |
|----------|-----------|-----------|----------------|
| 9PL | 1" | 9" | 7 1/2" |

9PL



01170060 CORNER SEAMING PLIERS

- Pliers are squared off on one edge for bending in corners or near walls

| Item No. | Jaw Depth | Jaw Width | Overall Length |
|----------|-----------|-----------|----------------|
| 01170060 | 2 1/2" | 2 3/8" | 12" |

01170060



2826 01 DOUBLE SEAMING PLIERS

- Uniquely shaped pliers to be used for mechanical seam closing in tight spaces
- Can manually close first and second stage crimps

| Item No. | Jaw Width | Jaws Open | Overall Length |
|----------|-----------|-----------|----------------|
| 2826 01 | 2" | 1/2" | 13" |

2826 01



78-A STORTZ VALLEY GUTTER TONG

- Hand forged carbon steel tool used in turning metal roof edges, when making seams, and general sheet metal work
- Deep depth design when required for forming valleys or gutters

| Item No. | Blade Width | Throat Depth | Overall Length |
|----------|-------------|--------------|----------------|
| 78-A | 12" | 14" | 36" |

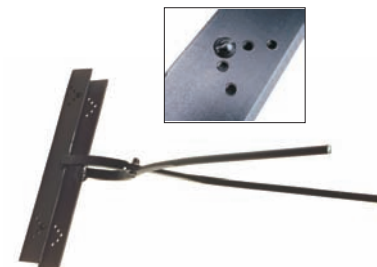


78-A

79-A ADJUSTABLE ROOFING TONG

- High quality forged steel tong, securely welded onto carbon steel blades
- Blades are drilled and threaded on either side and fitted with removable pins for adjusting depth of bend to metal
- Tong will bend 1/2" , 3/4", 1", 1 1/4" and 1 1/2" depths
- 79-P Set of 2 replacement pins

| Item No. | Blade Width | Throat Depth | Overall Length |
|----------|-------------|--------------|----------------|
| 79-A | 18" | 6" | 28" |



79-A

DECK TONG

- Strong tool with deep depth for bending purposes
- Hand forged from carbon steel

| Item No. | Blade Width | Throat Depth |
|----------|-------------|--------------|
| 2823 14 | 5 1/2" | 4 5/8" |
| 2823 20 | 7 7/8" | 6 1/4" |



2823 14

2823 26 - 45° BEVELED DECK TONG

- 45° cut for more precise bending in tight corners
- Jaw Width - 7", Jaw Depth - 6 1/4"



2823 26

BENT 45° SEAMING TONGS

- Hand forged from carbon steel
- Versatile tool for bending metal at angles where a straight tong is not ideal

| Item No. | Jaw Width | Jaw Depth |
|----------|-----------|-----------|
| 01161120 | 4 3/4" | 4 3/8" |
| 01161160 | 6 1/4" | 6 1/4" |
| 01161200 | 7 7/8" | 6 1/4" |



01161120

MB48A - MALCO MINI BRAKE

- Make big or small fabrications on the job site with the portable mini brake
- This brake will produce bends up to 135° in sheet metals including aluminum, copper, and 22-gauge galvanized steel
- The compact design will allow of bends up to 48" in width and any length because there is no fixed throat depth
- Mini Brake stand available for purchase however, many contractors find that their tailgate is generally a good place to use



MB48A



ESE 001



ESE 001-C



ESE 099

For closing the 90° & 180° locks on mechanically locked standing seam panels

ESE 001 & ESE001C "CLASSIC" FIRST STAGE HAND SEAMER

- Single lock hand seamers that complete a 90° lock
- Tool is designed to work on panel profiles that measure 1/2" across on the top (female) leg
- Will not scratch or peel paint
- Pairs with ESE099 Finish hand seamer to complete a double lock (180°) bend
- Seamer width: 10"
- Max gauges: Steel - 24ga, Alum - .032, Copper - 20oz

ESE 099 FINISH HAND SEAMER

- Double lock hand seamer that completes a 180° lock
- Before using this tool, prepare the seam with the ESE001 or ESE001C to close the single lock
- For use on painted or unpainted materials
- Max gauges: Steel - 24ga, Alum - .032, Copper - 20oz

*Other profile widths available

STANDING SEAM TOOLS



10300



ESE1FCT



10300 - BIGETEC HAND SEAMER

- For both stages of the double lock standing seam
- PVC coated piece inserted in locking jaws to prevent scratching of material
- Simple exchange system with screws
- 7" Width

ESE 1FCT & ESE 1.5FCT- ESE FIXED CLEAT FORMER

- Will form a complete 1" or 1 1/2" fixed cleat with two nail impressions
- Precut material must be sized to 1 1/2" x 3"
- Weight: 10lbs

Max thickness:

- Steel: 26ga
- Stainless Steel: .015"
- Copper: 16oz
- Aluminum: .024"

70502 - UNIVERSAL SEAM CLAMP

- Apply clamp to seam in order to make the male and female legs hold together properly for tight locking

SCHGZ - MASC EAVES CRESCENT CLAMP

- 1" high clamp for crescent designed eaves seam finish
- German made



70502



SCHGZ

EUROPEAN DESIGNED ARCHITECTURAL ROOFING TOOLS

This world-class line of German sheet metal tools is thoughtfully designed to make hard work easier. They provide shaping capability for band and sheet tin in the workshop as well as on the jobsite. Whether closing standing seams, crimping, locking panels at the drip edge or shaping valley's, RAU has the tool for the job.

- Constructed from high grade tubular steel
- Easily transported to the jobsite
- Smooth painted surfaces avoid marks at the transitions
- Painted powder coated finish, provides durability and longevity



RAU 102 & 103 SHEET METAL BENDING BRAKE

- Makes one endless bend, quick and accurate at the jobsite
- Forms seamless gutters, ducts, high wallsheating, wall connectors, etc. which can be made at the job site
- Spring loaded leveraged action provides for strong grip at jaws
- Adjustable stops on both sides, offer both standard and metric guides for accuracy
- Used to form valley seams

| Item No. | Jaw Width | Throat Depth | Overall Length | Weight |
|---------------------|-----------|--------------|----------------|--------|
| Rau 102 20" (Large) | 19" | 31" | 17 lbs | |
| Rau 103 12" (Small) | 12 1/2" | 22" | 10 lbs | |



RAU 102



RAU 103

RAU 127 & RAU 119 SMALL/LARGE SQUARESEAM FOLDER FOR SEMICIRCULAR DORMER WINDOWS

- For use on a curved panel to form 1st leg of bend on standing seam
- Normally the 2nd bend is not performed on curved conditions
- Especially useful in areas where machinery cannot be used
- Can be used to lock panels together in windy conditions



RAU 127

| Item No. | Tool Length | Tool Width |
|----------|-------------|------------|
| Rau 119 | 13" | 2 3/4" |
| Rau 127 | 8" | 2 3/4" |



RAU 119

RAU 111



RAU 111 FIRST LEG SEAMER

- The tool completes the 1st bend (90°) of the double lock standing seam
- Bends up to 24 gauge metal
- Size and lightweight design of tool enables vertical as well as horizontal seams to be locked
- Tool is designed to work on panel profile (female side of mechanical lock standing seam) 1/2" across and 3/8" on down leg
- Works on both 1" and 1 1/2" high standing seams
- Overall Length 15 1/2", Jaw Width 8 1/2"

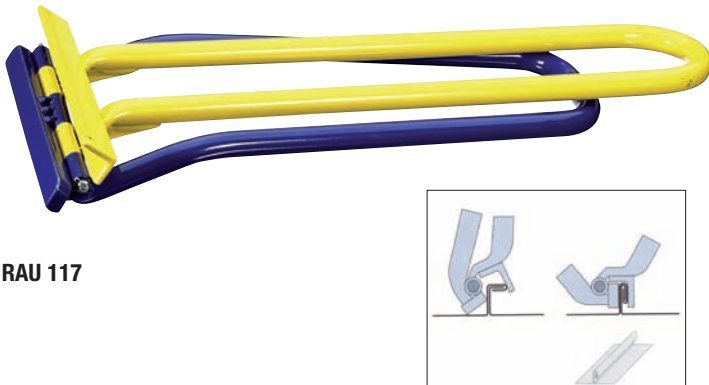
RAU 128



RAU 128 FIRST LEG SEAMER – 3 STAGE TELESCOPIC HANDLE

- Same tool as the RAU 111, only with long 3 stage adjustable telescopic handles—20" to 29"
- Designed to be used standing-up, on low pitch or flat roofs

RAU 117



RAU 117 STANDING SEAM FINISHING TOOL

- Used in conjunction with the RAU 111 or 128
- Finishes the 2nd bend (180°) of the double lock standing seam
- Works on both 1" and 1 1/2" high standing seams
- Overall Length 18", Jaw Width 8 1/2"

RAU 131

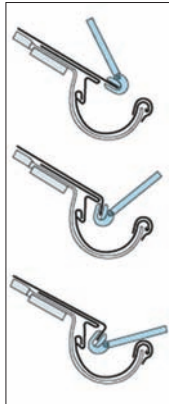


RAU 131 STANDING SEAM FINISHING TOOL

- Same tool as the RAU 117, only with long 3 stage adjustable telescopic handles—20" to 29"
- Has an adjustable handle and is designed to be used standing-up, on low pitch or flat roofs

RAU 105 EAVES EDGER

- Spring loaded leveraged action provides added strength in gripping the material
- This tool is used in the first stage in bending the panel in excess of 90° over the outside of the eaves edge
- Also used for the first step in bending panels for dormer windows
- 10" Width

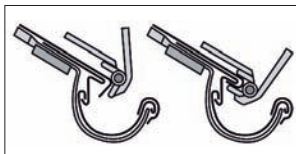


RAU 105



RAU 106 EAVES SEAM LOCKER

- The tool is used in conjunction with the RAU 105 to complete locking the panel at the eaves edge
- Completes the 2nd stage of bending the panel into a finished lock under the eaves edge
- Also used for forming the final lock for dormer windows
- 8 1/2" Width



RAU 106



RAU 115 CRIMPING TOOL – LARGE

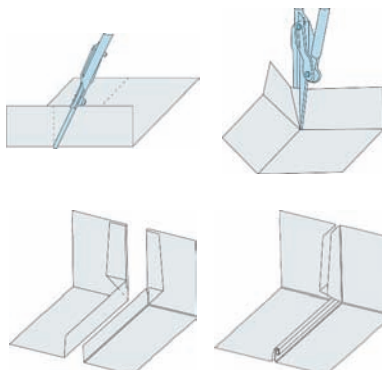
RAU 116 CRIMPING TOOL – SMALL

- Used in making inside or outside bends on a metal flashing for chimney's or skylights

Item No. Tool Length Blade Length

Rau115 27 5/8" 9 7/8"

Rau116 13 1/2" 3"



RAU 115



RAU 116





Express soldering units are shipped complete and ready for propane hookup out of the box. They are a great choice for first timers as well as industry professionals. Safety, efficiency, and durability make these soldering irons a great value.

Features:

- Enclosed flame directed away from roof for increased fire safety & wind protection
- 9 tips styles to choose from including special long life coated tips for top performance
- Gets to a working temperature in less than 1 minute
- Accurate gas/heat regulation – find the perfect temperature for your soldering conditions and maintain your heat

Model 600



Model 600 ECONOMY SOLDERING IRON

- Lightest of the Express irons for less stress on your hand and arm over long periods of soldering
- Includes iron, 15' hose, regulator, striker & medium tip
- Best used indoors because there is no self-igniting feature - must be lit by striker or lighter
- Excellent pre-tinning iron

Model 700



Model 700 EXPRESS SELF-IGNITER SOLDERING KIT

- The most popular iron because of the self-igniting feature
- Commonly used outdoors while on the roof because one handed ignition makes stopping and starting as simple as possible
- Includes iron, 15' hose, regulator & medium tip

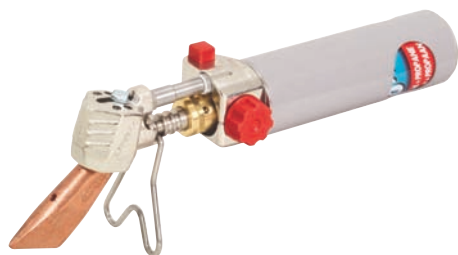
Model 700-W



Model 700-W EXPRESS PORTABLE SOLDERING IRON

- Portability of compact gas canister instead of a heavier propane tank
- Includes self igniting soldering iron, medium copper tip, 5' hose, and 30 PSI mini-regulator
- Note: Does not include propane canister for shipping purposes. These are readily found at your local hardware or welding supply store
- Compatible propane canisters (Bernzomatic, Coleman, or Worthington) will run ~8 hours

Model 800

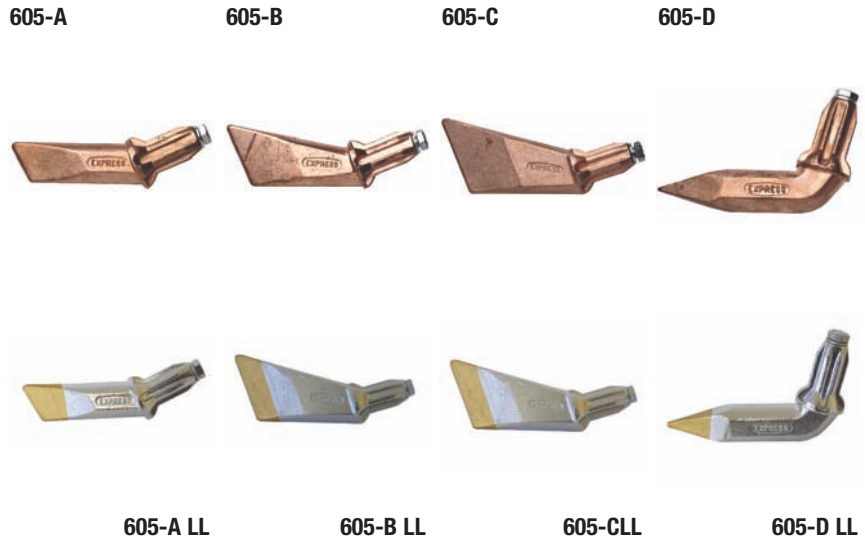


Model 800-EXPRESS SELF IGNITING PORTABLE SOLDERING IRON

- With no restriction of a hose and tank, you can take this anywhere
- A great, portable iron for small runs of soldering
- Particularly useful while soldering gutters
- Self contained LP Gas cartridge - provides up to 2 hrs of use
- Included 2 gas cartridges, medium copper tip, sal-amoniac block, 2 brushes, and flux carrying case

EXPRESS SOLDERING TIPS:

- 605-A SMALL STYLE SOLDERING TIP
- 605-A LL SMALL LONG LIFE SOLDERING TIP
- 605-B MEDIUM STYLE SOLDERING TIP
- 605-B LL MEDIUM LONG LIFE SOLDERING TIP
- 605-C LARGE STYLE SOLDERING TIP
- 605-C LL LARGE LONG LIFE SOLDERING TIP
- 605-D DIAMOND STYLE SOLDERING TIP
- 605-D LL DIAMOND LONG LIFE SOLDERING TIP
- 780E XL (24oz) TURBO SOLDERING TIP (not pictured)



*Long life tips can last up to 5x longer w/ proper maintenance and no overheating

EXPRESS SOLDERING ACCESSORIES / REPLACEMENT PARTS

| | |
|-----------------------------|---|
| 606 REGULATOR WITH FITTINGS | 609 EXPRESS GAS CARTRIDGE (FOR 800 KIT) |
| 608 PIEZO IGNITION | 610 REPLACEMENT ORIFICE (FOR 600, 700, & 800 IRONS) |
| | 614 REPLACEMENT SCREEN (FLAME SPREADER) |

PERKEO SOLDERING IRON



66434100

66434100 PERKEO SOLDERING IRON

- Includes 15' hose, regulator, quick connect .77 lb pointed copper bit, and stand
- Ready to use out of the box except for propane tank
- Heats up in 55 seconds with max temperature of any soldering iron
- Control Valve to provide the exact amount of gas
- Rotatable hose connection, for G 3/8" LH
- All individual parts available as spares

66490006

66490008

66490002



PERKEO SOLDERING IRON PARTS & ACCESSORIES

- Copper Pointed Tip #66490006 (350 gram)
- Long Life Copper Pointed Tip #66490008 (350 gram)
- Copper Hammer Tip #66490002 (350 gram)
- Long Life Copper Hammer Tip #66491002 (350 gram)
- Wind Shield #66420200
- Replacement Stand # 66420100

66491002

66420200

66420100



ADST KIT

ADST KIT – AERO DUPLEX ACETYLENE SOLDERING IRON

- Comes equipped with Aero Duplex Soldering Iron, 3/4 lb copper iron, 12 1/2" Acetylene hose, #440G Acetylene B-Regulator, and striker
- Iron assembly contains wind shield and adjustment valve for gas pressure
- Gas valve is on a swivel to prevent the line from kinking
- Heats up in 1-2 minutes



AXE

11

12

PARTS CHART

| Item No. | Description |
|----------|--------------------------|
| #440G | Acetylene B Regulator |
| #AH3 | 12 1/2" Acetylene Hose |
| #11 | 1 1/4" Duplex Copper Tip |
| #12 | 3/4" Duplex Copper Tip |
| #AXE | Axe Style Copper Tip |

WHY CHOOSE ACETYLENE IRONS?

The main reason Acetylene irons are popular is because they burn hotter than propane irons. This means they will melt solder better in colder climates and higher altitudes. It's worth trying an acetylene iron if you feel your propane iron is not reaching high enough temperatures. Acetylene as a gas is not as readily available as propane which is why most people tend to prefer propane.

ELECTRIC IRONS



3178-300



3198-550

3178-300 AMERICAN BEAUTY ELECTRIC SOLDERING IRON – 300 WATT

3198-550 AMERICAN BEAUTY ELECTRIC SOLDERING IRON – 550 WATT

- Simple set-up, no need for any accessories except an electrical outlet
- Makes virtually zero noise
- Electric iron loses little heat
- Ideal for indoor soldering
- Max temperature 1050°F



45-C



46-C

45-C CHISEL STYLE SOLDERING TIP – 300 WATT

46-C CHISEL STYLE SOLDERING TIP – 550 WATT

| Description | Length | Width |
|-------------|--------|--------|
| 300 Watt | 5 1/8" | 7/8" |
| 500 Watt | 5 7/8" | 1 1/8" |



45-D



46-D

45-D DIAMOND STYLE SOLDERING TIP – 300 WATT

46-D DIAMOND STYLE SOLDERING TIP – 550 WATT

- Designed for detail work and tight areas

| Description | Length | Width |
|-------------|--------|-------|
| 300 Watt | 5 1/4" | 1/16" |
| 500 Watt | 5 7/8" | 1/16" |

615 50/50 LEAD-TIN BAR SOLDER - 1 LB BAR

616 50/50 LEAD-TIN BAR SOLDER – 1/4 LB BAR

- Each bar is exactly 1/4 lb or 1 lb
- Approx. melting temperature 361–460 F
- 1/4 lb better for tight areas, 1lb for flat lock
- 15” length
- Available in box quantity 50lbs



615



616

515E PROPANE HOSE WITH FITTINGS

- Available in 3 sizes” 5ft. 15ft & 25ft
- This hose comes with two female connections and will work for all propane irons.



515E



601

601 5 LB PROPANE TANK

- Small and portable, useful for working on a roof
- Round bottom prevents falls
- Shipped empty

300 SERIES JOHNSON HAND IRONS

- Fitted with wooden handle, for use with gas or charcoal furnace
- 300-02 – 1lb pointed iron
- 300-03 – 1.5lbs pointed iron
- 300-04 – 2lbs pointed iron
- 300-05 – 2.5lbs pointed iron



JOHNSON HAND IRONS

620 RUBY FLUID

- A good all-purpose flux which will allow solder to adhere to metal
- Works well on galvanized steel, copper, and tin

03310000 SINGLE SOLDERING FLUX CADDY

- Single liquid flux container with brush and salamonic block
- Anti skid bottom surface made for roofs
- Salamonic bar is used for tinning and cleaning soldering tips



620



03310000

619 SALAMONIC BAR

- Used in conjunction with solder to tin the soldering tip

HOW TO TIN A SOLDERING TIP:

- Once the soldering iron gets hot enough to melt solder, melt solder against this sal-amoniac block. Due to the sal-amoniac bar's chemical composition, the solder will remain on the bar. Rub the copper tip against the solder on top of the bar and a layer of solder will adhere to the copper tip. A pre-tinned tip makes soldering easier.



619

For our complete offering of soldering supplies, visit us at www.stortz.com

2700 01



STUBAI COMBINATION TIN SNIPS

- HRC 60–62 (See Chart Below)
- Special tin snips for both curved and long continuous cuts
- Smooth blades leave no ribs on cut material
- Spring included
- 2” cutting depth

| Item # | Blade Orientation |
|---------|-------------------|
| 2700 01 | Right Cut |
| 2705 01 | Left Cut |

2701 01



STUBAI COMPOUND ACTION SNIPS

- HRC 60–62
- Smooth blades leave no ribs on cut material
- Offset and spring loaded for easy cutting
- 1 1/2” Cutting Depth

| Item # | Blade Orientation |
|---------|-------------------|
| 2701 01 | Right Cut |
| 2706 01 | Left Cut |

2677 01



STUBAI CIRCULAR SNIPS

- HRC 58–60
- Rounded blades for circular cuts
- Especially adept for pipe cut outs or crescent shaped eaves seam details



| Item # | Blade Orientation |
|---------|-------------------|
| 2677 01 | Right Cut |
| 2677 02 | Left Cut |

2690 11



2690 11 STUBAI PELICAN SNIPS

- HRC 60–62
- Only available in right cut model
- Ideal for long straight cuts
- 3” Cutting Depth

MWT-6516



MWT-6516 MIDWEST OFFSET “LONG CUT” AVIATION SNIPS

- Offset snips feature an extra wide blade opening for cutting irregular surfaces such as ribbed metal roofing & vinyl siding
- Requires less hand force than stamped blade models
- Serrated edges to prevent slipping
- Made in USA

| Quality of steel | min. hardness (Rockwell C) | Durability |
|------------------------|-------------------------------|------------|
| HSS-TiN | 65 | +++++ |
| HSS | 65 | ++++ |
| Special high quality | 61 | +++ |
| High quality steel | 59 | ++ |
| Standard quality steel | 56 | + |

ERDI MINI SNIPS

- HRC 61 - tough to withstand metals like stainless steel
- Mini snips are small and nimble for detailed sheet metal work
- Smooth blade leaves no rib on finished material
- 3/4" Cutting Depth
- OAL: 7 1/4"



01290180



01290181

| Item # | Blade Orientation |
|----------|-------------------|
| 01290180 | Right Cut |
| 01290181 | Left Cut |

BESSEY IDEAL CUTTING SNIPS

- HRC 61
- 25% less effort than competitive products
- Hot dropforged jaws, hardened and precision ground
- Virtually burr & distortion free cut
- 1 1/2" Cutting Depth



D29ASSL-2

| Item # | Blade Orientation |
|-----------|-------------------|
| D29ASS-2 | Right Cut |
| D29ASSL-2 | Left Cut |

ERDI PELICAN SNIPS

- HRC 59
- Pelican pattern is good for long straight cuts
- Made from high alloy tool steel
- 3" Cutting Depth



01233300

| Item # | Blade Orientation |
|----------|-------------------|
| 01232300 | Right Cut |
| 01233300 | Left Cut |

ERDI UNIVERSAL "LONG STYLE" TIN SNIPS

- Compound leverage snips with extra blade length for easy cutting
- Especially good for long straight cuts
- Serrated blades for non-slip cutting
- 3" Cutting Depth



01241251

| Item # | Blade Orientation |
|----------|-------------------|
| 01240251 | Right Cut |
| 01241251 | Left Cut |

ERDI PREMIUM CUTTING SNIPS

- HRC 65
- Specialty hardened snips to withstand the toughest of use
- Compound leverage snips ideal for stainless steel cutting



01295261

| Item # | Blade Orientation |
|----------|-------------------|
| 01295260 | Right Cut |
| 01295261 | Left Cut |



1070



1070 WUKO CUTTER

- Suitable for straight & slightly curved cutting
- Easily cuts metal from sheet metal coil
- Convenient substitute for snips on shorter cuts
- Cut metal faster!

1020



1020 WUKO CLIPPER

- Ideally suited for straight and curved, short and long sheet metal cutting
- Equipped with a roller assembly to cut longer metal sheets placed on the floor in an easy and quick way
- Guide available for straight cuts longer than a shear
- Adjustable cutting speed – max 49ft / min
- Max cutting thickness – ~22 gauge
- Including carrying case

3514-2

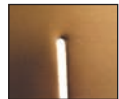


3514-2 DRACO SEAM METAL SHEAR

SD5-1 DRACO SHEET METAL SHEARS

- Ideal for cutting spiral ducting, roof & wall claddings, mesh and wire, stainless steel, and non-ferrous materials (aluminum, copper, zinc)
- Cuts through 6 times folded double lock and Pittsburgh Seams
- Burr free cutting
- Working speed up to 15ft/min
- 3514-2 useful for thicker materials – cuts ~16 gauge steel

MASC BK1



BK1 - MASC NIBBLER

- Spring loaded
- Cuts continuous slots – avoids splits
- Max thickness 0.6 mm galvanized
- Prevents material tears
- Especially useful when working with Zinc

2845 01



2845 01 SHEET METAL NOTCHER

- Used to make exact sized notches in sheet metal
- Sized holes are especially good to allow for expansion and contraction
- Notch dimension 1/8" x 5/8"
- Max notch depth 7/8"

MA77000

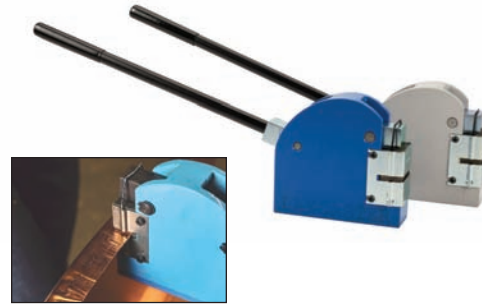


MA77000 KLENK NOTCHER

- Drop forged jaw with compound leverage handles for extra strength and ease
- Notches cleanly without slippage
- Cutting capacity of up to 22 gauge CR

9-LMC-93 LANCASTER SHRINKER / STRETCHER

- Unique shrinker and stretcher applies pressure to bent metal whenever you push down on the handle, resulting in a slight radius and forming of metal. By working the metal back and forth between the machine jaws, you can form professional shop-quality curves, angles, and radius bends in the metal
- Works on steel, aluminum, stainless, copper, and even some vinyls
- 18 gauge mild steel capacity
- Works on flanges up to 2" wide
- 1" Jaw Depth



9-LMC-93

WFSSDF SHRINKER / STRETCHER WITH STAND

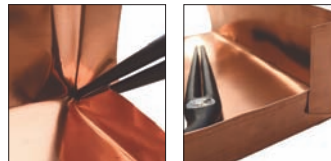
- Foot operated stand provides hand free convenience
- 40" Working Height
- Weight: 79lbs



WFSSDF

01130000 POCKET PAN FORMER

- Used for folding metal together in pitch transitions
- 6" depth is advantageous over standard pliers



01130000

DEFT DRIP EDGE FOLDING TOOL

- Available in two convenient lengths: 18" or 24"
- Drip edge folding tool easily allows user to bend drip edges at 2 different depths (1" or 1 1/2")
- Two rib-reinforced steel plates are welded together to create the tool's strong construction for a max capacity of 22 ga steel
- Fiberglass handle gives the tool a lightweight yet durable feel



DEFT

1180 20 STUBAI VICE GRIPS

- Ideal for holding metal pieces temporarily in place
- Special epoxy coating guarantees no rust
- 3" Width



1180 20

Snow Retention Systems (Snow Guards) are devices that are attached to the roof structure in order to provide uniform retention and control the snow from avalanching in large sheets. They need to be applied in sufficient quantity according to a prescribed pattern in order to be effective.



WHY DO YOU NEED SNOW RETENTION SYSTEMS ON YOUR ROOF?

Don't put yourself at risk! Retention Systems help prevent damage to objects below a sloped roof surface including, pedestrian areas, parked & moving vehicles, expensive landscaping, gutters & plumbing vents, skylights & atriums, adjacent and lower roofs. Snow Guards help to avoid costly insurance claims due to avalanching snow and ice. They also help to prevent ice damming at roof's edge and damage to gutters.

RT200/300M SNOW GUARDS FOR STANDING SEAM ROOFS

- The RT 200/300 snow guards are non-penetrating devices that secure to the standing seam of a metal roof utilizing stainless steel set screws to hold them in place
- This guard is compatible with seams that measure 1" high
- No glues or sealants required
- The RT guard is available in cast aluminum or cast bronze
- Choose 1 of 3 finishes: Mill finish aluminum, black primer, or custom color

RT200 – Designed to accommodate seams of up to 3/16" and suited for use with light gauge metals such as 40lb terne, 26ga galvanized, 16oz copper, and TCS

RT300 – Designed to accommodate seams of up to 9/32" and suited for heavier gauge metals such as 20oz copper, 24ga prefinished metal, and similar metals

BERGER - SG-1 SNOW GUARD FOR STANDING SEAM

- The SG-1 Snow Meister guard is used for traditional double lock standing seam
- This guard will fit both 1" & 1 1/2" high seams
- The symmetrical design allows the guard to be rotated and installed at 180° to match the seam lock orientation

ALPINE - #30 HALF ROUND PAD STYLE

- Pad area is 2 3/8" L x 2 3/8" W (at widest point) x 1 7/16" H
- Strap length is 3 7/16" L
- Available in milled aluminum, copper, or galvalume [a multitude of Firestone@ Una-Clad colors available)
- Our riveted "fish head" design means optimum strength with no risk of unfolding
- Perfect size for soldering to copper or zinc panels, or adhered to metal panels
- Can be soldered, through-fastened or adhered (double sided tape). We recommend soldering to copper roofs
- Made in the USA using recycled materials



RT200 ALUMINUM



SG-1

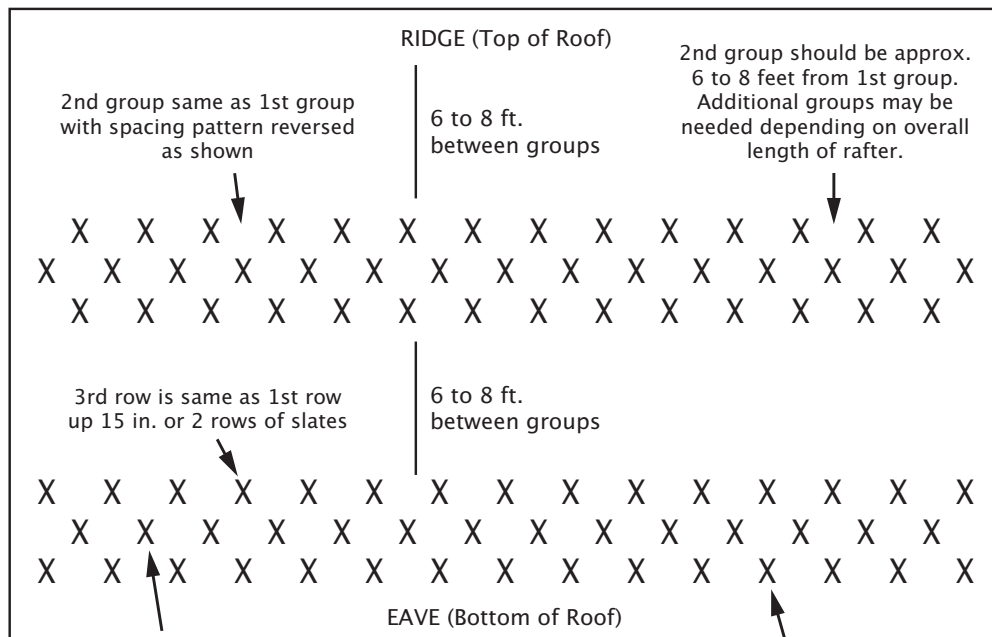


#30

For our complete offering of snow guards, visit us at

www.stortz.com

SNOW GUARD PATTERN REQUIREMENTS TYPICAL FOR SLATE ROOFING



BERGER - PRO #100 SNOW GUARD

- The 100 Pro series guard is ideal for areas that receive moderate to heavy snow loads
- Can be installed on both existing and new slate roofs, as well as corrugated, flat, and or asphalt shingled roofs
- Available in both copper and stainless steel
- 1" wide strap, 4" wide face, 12 1/2" reach under slate
- OAL: 17 1/2"

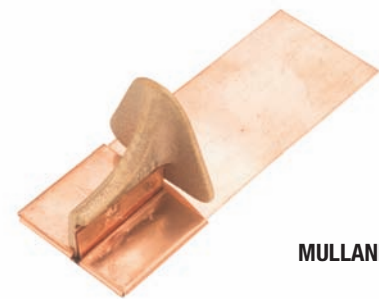
The **Pro #100** differs from the **#100** style guard due to a one inch gusset used to reinforce the shoe and provide extra strength. Pro #100 has been tested to withstand a 300 pound point load.



PRO #100

MULLANE - #100 SERIES SNOW GUARD

- The Mullane #100 guard is a traditional spike style cast bronze guard that is available in 3 styles:
- 100CPSM - for soldering to roof
- 100S-N/A - for nailing on new installations
- 100S-RH - with retrofit hook to use on existing slate roofs
- The #100 snow guard has a low profile look that is acceptable for period restoration work as well as for new residential construction



MULLANE #100

BERGER - #2 HEAVY DUTY SNOW GUARD

- A durable, plated iron casting and bar assembly
- Riveted steel bar is 1/2" x 1" x 12" long
- This snow guard is to be installed during the slate roof installation. Not for retrofit
- Ideal for areas that receive heavy snow loads
- Available in bronze or galvanized malleable iron



BERGER #2HD

HRGC5

HRGC6

**HRGC5 5" HALF ROUND GUTTER CLAMP****HRGC6 6" HALF ROUND GUTTER CLAMP**

- A useful tool for clamping two pieces of gutter together for soldering 5" or 6" half round gutter
- This tool is custom fabricated, precision machined, and professional quality
- Irwin vice grip keeps gutters tight when clamped

2827 01

**2827 01 STUBAI EAVES GUTTER PLIERS**

- Unique design forged pliers used for adjusting gutter brackets

KS

**KS STEEL BEVEL**

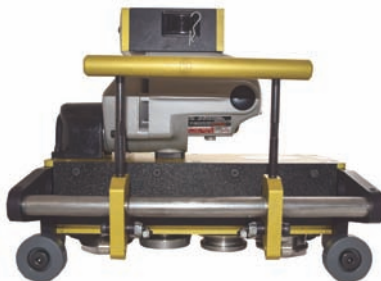
- First class all steel 250mm (9 3/4") bevel/square
- Used for scribing marked angles into sheet metal
- Angle degrees and 250mm scale scribed into bevel

2510 02

**2510 02 STUBAI BOW DIVIDER**

- Made from quenched and tempered steel, hardened tips, polished, & joint riveted
- Complete with bow and locking screw
- Used for marking various radii in sheet metal applications
- OAL: 8 1/2"

DI4S DI

**DI4S DI 4 STATION POWER SEAMER**

- Locks the single or double lock seam profile on 1", 1 1/2", or 2" panels
- Bi-Directional, can go up and down the panel, if only doing the 90°
- First few inches must be double locked and next few must be single locked before putting the power seamer on the seam
- Power: 115 v / 10amp
- Recommended for use with 24 gauge panels only
- Seams 34.2 ft. /min
- Ships in durable "pelican case"

The History of John Stortz & Son



John Stortz's original plan had been to travel to the fabled gold fields of California to seek his fortune. Disembarking in Philadelphia, however, he discovered that his skills as an experienced toolmaker were much in demand. He plied his trade in the city of his arrival and his reputation grew.

After a few years, he made plans to establish his own business. In 1853 he purchased an existing cutlery and tool manufacturing business at 210 Vine Street, not far from the waterfront where he had arrived almost penniless a few years before. He never did make

it to the California gold fields and, over a hundred and sixty years later, the Stortz family is still making tools at 210 Vine Street in the Old City section of Philadelphia.

Five generations of toolmaking in America have given John Stortz & Son a long perspective on cycles and change in the toolmaking industry. A brief survey of our period catalogs reveals tools and whole industries that have seen their usefulness come and go.

Throughout it all, we have thrived by listening carefully to the suggestions and ideas of the skilled artisans who use these tools. Stortz's philosophy is that every good hand tool can be made better. The tools we produce are the result of an ongoing evolution of balance, weight and materials patterned to meet the most current needs of the artisans and skilled mechanics who use them.



John Stortz & Son continues to produce its own lines of fine tools because we recognize that direct control over quality and innovation offers significant benefits to the consumer. Nevertheless, great hand tools are being produced all over the world, and we actively seek them out to distribute them amongst our customers.

Whether it carries the John Stortz brand or not, if a hand tool is sold by Stortz, it offers notable value for its class and purpose. As we have for a century and a half, John Stortz & Son will continue to put reliable and productive hand tools in the hands of the public. Then as now, the John Stortz brand is your assurance of excellence, innovation and traditional value.



Workers putting the finishing touches using grinding wheels



Blacksmiths using one of 8 forging hammers at Stortz Tools



3rd generation, Theodore Leuschner Stortz, wore his suit and hat 7 days a week



2nd Generation, John Theodore Stortz, lived from 1853-1934



Joe Ball, shop foreman, oversees slate rippers being forged

TERMS & CONDITIONS

FREIGHT TERMS: FOB Factory, prepaid and added to invoice, unless other arrangements have been made. Items ship UPS Ground unless otherwise stated. Rush Delivery is available (Next Day, 2nd Day, 3rd Day)

PAYMENT TERMS: Net 30 Days after credit is established. Visa, MasterCard, American Express, and Discover are also accepted.

PRICES: All prices are subject to change without notice.

CREDIT: All first time orders are shipped either C.O.D., credit card, or on a payment in advance basis. If you wish to establish open account terms with us, we ask that you complete a credit application for our review.

GUARANTEE: Should any tool show a defect in material or workmanship, it will be replaced free of charge, subject to our inspection. **CAST TOOLS CANNOT BE GUARANTEED AGAINST BREAKAGE DUE TO DROPPING OR ANY OTHER REASON, IF NOT DETECTED BEFORE TOOL IS USED.**

REPLACEMENT: Any item claimed defective must be returned to factory, prepaid, after return authorization has been issued. **DEALERS ARE NOT AUTHORIZED TO MAKE REPLACEMENTS.** If the tool has been abused and is not defective, it will not be replaced.

RETURNED MERCHANDISE: Returned merchandise will not be accepted without our authorization. A charge of 10% restocking fee plus transportation charges is made for returning standard merchandise. Special, made-to-order merchandise **POSITIVELY** will not be accepted for return credit.

DAMAGE CLAIMS: Claims for damaged or short shipments must be filed at once with your transportation agent and a claim must be filed immediately, and we request that you advise us as well.

TAXES: If any law is passed, or exists now, that requires us to collect a tax on sales or an Excise Tax, the amount of these taxes will be added to the invoice value. Exemption certificates properly executed and filed with us will be honored.

TO SPEED YOUR ORDER: Always order in specified quantities. When you buy in specified quantities, we can ship to you faster due to less handling, and you received the best price and make more profit.

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