

 **FREUND®**

*Make your tool a FRIEND*



**Sheet Metal Tools**

**Roofing Tools**

*Made in Germany*



# Sheet Metal Tools



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# No doubt about it: ***FREUND*** ...your tool!



We are proud to be able to take this opportunity to introduce ourselves, P. F. FREUND & CIE. GmbH, with its manufacturing facilities in Wuppertal, Germany.

For more than 160 years we have been pursuing a family tradition, namely the design and the manufacturing of our state of the art special handcrafted tools **MADE IN GERMANY** for the Roofing, Sheet Metal, Plumbing and Carpentry Industries. We are specialised in high quality, traditional and innovative hand tools for craftsmen working on roofing, sheet metal work or equipment, carpenters and drywall.

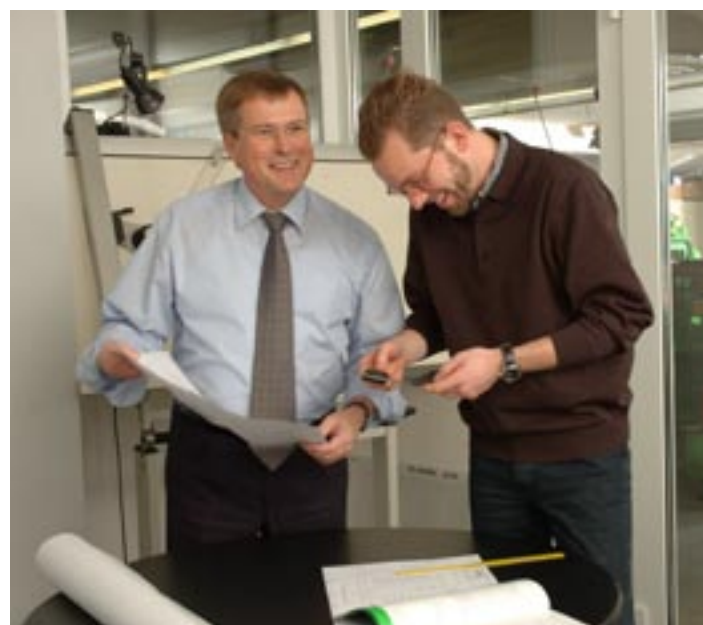
Our longtime experience has certified our reputation as a leading manufacturer of the world's finest handmade tools used in the said industries.

Our objective is to allow craftsmen, by using our high quality ergonomical tools, to save time and money. By word of mouth, more and more craftsmen have joined forces with FREUND ...your tool.

Our large and varied program includes thousands of tools in every design and size. Slate hammers, rippers, anvils and roofer's hammers, tile cutting pliers, manual scissors for cement tiles and fibers, hammers for plumbers, trowels, saws, knives, measuring tools, hatchets, axes, sheet metal scissors, special tools for roof and front walls, the list goes on ...

Concerning the manufacturing of top quality craftsmanship at FREUND, our tools are hand made, hand forged, heat treated, and we ourselves love our tools and our work. This has all contributed to FREUND's outstanding reputation.

We are ready to face any challenge regarding personal requirements that a customer might present us with and take pride in satisfying our customers with our innovative solutions. Some further details about:



## **Sheet metal work:**

Metal working hammers, scrapers, folding pliers and punches, sockets and anvils, working stands, wooden and plastic hammers, dressers, folding tools, pliers, tools for gutters, hangers and down spouts, pipe expanders, scrapers and files, riveters, saws, snips, screwdrivers, measuring tools and scribes, special tool boxes for metal work.

## **Roofing:**

### SLATE HAMMERS

Manufacturing compatibilities of the highest standards. Our hammers are made to last. FREUND offers you the world's largest choice of slate hammers. Roofers will appreciate these tools.

### SLATE RIPPERS

Your choice, whether forged out of one and the same unit, or with an interchangeable blade, here again we offer you the choice of style, length and purpose, according to your job. For extra long resistance we suggest the use of spring steel blades.

### ERGO-CUT

Hand held slate cutters and punches. The steel blades are heat-treated for the cutting and trimming of natural slate tiles or cement fibre tiles on roofs and front walls. With its modern cutting geometry, its ergonomic design, and with it weighing in at only 20 lb, it will be less tiring to do the job.

### VARIOUS OTHER TOOLS

Anvils, slate cutters and accessories, slate rippers, roofer's hammers, leather hammers, slate guillotines, tile cutters, tile nibblers, hammer tackles, chisels, trowels, scrapers, knives, saws, measuring tools, chalk lines, pressure rollers, tool boxes and bags, safety equipments, leather ware.

Internationally organized, we overcome logistic problems without any difficulties. Our products are being shipped around the world on a daily basis.

Is there anything else we can do for you?

**FREUND - Make your tool a FRIEND**





## SHEET METAL TOOLS



**FREUND** sheet metal tools are specifically geared to handle the needs of the Metal Building Contractors. We provide snips, pliers, tongs and other highest quality tools for multi purpose requirements. Our tools make the job easy and fast. We also provide special designed tools according to your job, we are delighted about your inquiry.

## SNIPS

## 1. GENUINE AVIATION SNIPS

Stainless steel,  
compound leverage,  
for stainless steel sheets,  
HRc 58-60



01280240	right	length / width: 9,45" / 3,15"	0,83 lb
01281240	left	length / width: 9,45" / 3,15"	0,82 lb

## 2. OFFSET CUTTING SNIPS

Stainless steel,  
compound leverage,  
for stainless steel sheets,  
HRc 58-60



01290240	right	length / width: 9,45" / 3,15"	0,86 lb
01291240	left	length / width: 9,45" / 3,15"	0,86 lb

## 3. OFFSET CUTTING SNIPS

Stainless steel,  
compound leverage,  
for stainless steel sheets,  
HRc 65



01295260	right	length / width: 10,24" / 3,15"	1,15 lb
01295261	left	length / width: 10,24" / 3,15"	1,15 lb

## 4. UNIVERSAL TIN SNIPS

Longstyle Professional,  
compound leverage,  
PVC-coated handles,  
HRc 58



01240251		length / width: 11,02" / 1,97"	0,99 lb
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## 5. BERLIN PATTERN SNIPS

PVC-coated handles,  
HRc 54-56



01210250	right	length / width: 9,84" / 1,89"	0,99 lb
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## 6. PUNCH SNIPS

PVC-coated handles,  
HRc 54-56



01220250	right	length / width: 9,84" / 1,97"	1,10 lb
01220275	right	length / width: 10,83" / 1,97"	1,21 lb
01221250	left	length / width: 9,84" / 1,97"	1,10 lb
01221275	left	length / width: 10,63" / 1,97"	1,21 lb

## 7. PUNCH SNIPS CURVED BLADES

Stainless steel, HRc 58-60



01224275	right	length / width: 10,63" / 1,77"	1,10 lb
01225275	left	length / width: 10,63" / 1,77"	1,10 lb

## 8. TINMEN'S/PELIKAN SNIPS

PVC-coated handles,  
HRc 54-56



01230300	right	length / width: 12,50" / 2,56"	1,10 lb
01230350	right	length / width: 14,17" / 2,56"	1,83 lb
01231300	left	length / width: 12,20" / 2,56"	1,41 lb

**9. STRAIGHT CUTTING SNIPS**

PVC-coated handles, HRC 54-56



<b>01250260</b>	right	length / width: 10,24" / 2,36"	1,12 lb
<b>01251260</b>	left	length / width: 10,24" / 2,36"	1,12 lb

**10. GENUINE SHAPE CUTTING SNIPS**

PVC coated handles, HRC 54-56



<b>01270250</b>	right	length / width: 9,84" / 1,97"	1,11 lb
<b>01271250</b>	left	length / width: 9,84" / 1,97"	1,11 lb

**SEAMING PLIERS****11. SEAMING PLIERS**

Straight, lap joint



<b>01100081</b>	jaw width 3,15 inch	length / width: 12,60" / 2,95"	1,87 lb
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**12. SMALL SEAMING PLIERS**

Bent of 45°, lap joint



<b>01090022</b>	jaw width 0,89 inch	length / width: 7,5" / 0,79"	0,42 lb
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**13. SEAMING PLIERS**

Bent of 45°, lap joint



<b>01090040</b>	jaw width 1,57 inch	length / width: 10,24" / 1,57"	1,32 lb
<b>01090060</b>	jaw width 2,36 inch	length / width: 10,5" / 2,36"	1,54 lb
<b>01090080</b>	jaw width 3,15 inch	length / width: 11,81" / 3,15"	2,04 lb

**14. SEAMING PLIERS**

Bent of 90°, lap joint



<b>01092040</b>	jaw width 1,57 inch	length / width: 9,65" / 1,57"	1,32 lb
<b>01092060</b>	jaw width 2,36 inch	length / width: 9,84" / 2,36"	1,65 lb
<b>01092080</b>	jaw width 3,15 inch	length / width: 10,83" / 3,15"	2,31 lb

**15. SEAMING PLIERS, STAINLESS STEEL**

Bent of 45°, lap joint, especially for the treatment of stainless steel sheets



<b>01090061</b>	jaw width 2,36 inch	length / width: 10,04" / 2,36"	1,33 lb
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**16. SMALL SEAMING PLIERS**

Straight, lap joint



<b>01080022</b>	jaw width 0,89 inch	length / width: 7,5" / 0,79"	0,44 lb
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**17. SEAMING PLIERS**

Straight, lap joint



<b>01080040</b>	jaw width 1,57 inch	length / width: 10,43" / 1,57"	1,21 lb
<b>01080060</b>	jaw width 2,36 inch	length / width: 11,02" / 2,36"	1,54 lb
<b>01080080</b>	jaw width 3,15 inch	length / width: 12,20" / 3,15"	1,98 lb

**18. SEAMING PLIERS, STAINLESS STEEL**

Straight, lap joint, especially for the treatment of stainless steel sheets



<b>01080061</b>	jaw width 2,36 inch	length / width: 10,43" / 2,36"	1,21 lb
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### 19. SEAMING PLIERS

Straight, lap joint,



01080101	jaw width 3,94 inch	length / width: 10,5" / 4,0"	1,92 lb
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### 20. CORNER SEAMING PLIERS

Lap joint



01170060	jaw width: 2,36 inch	length / width: 11,02" / 2,36"	2,76 lb
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## SEAMING TONGS

### 21. SEAMING PLIER

Straight, lap joint



01141120	jaw depth 4,9", width 4,72"	length / width: 19,29" / 4,72"	4,08 lb
01141140	jaw depth 4,9", width 5,51"	length / width: 19,29" / 5,51"	4,30 lb
01141160	jaw depth 6,9", width 6,30"	length / width: 22,05" / 6,30"	6,61 lb
01141180	jaw depth 6,9", width 7,09"	length / width: 22,05" / 7,09"	7,50 lb
01141200	jaw depth 7,3", width 7,87"	length / width: 22,44" / 7,87"	7,17 lb

### 22. SEAMING PLIER

Bent, lap joint



01161120	jaw depth 4,3", width 4,72"	length / width: 18,11" / 4,72"	4,08 lb
01161140	jaw depth 4,3", width 5,51"	length / width: 18,11" / 5,51"	4,19 lb
01161160	jaw depth 6,3", width 6,30"	length / width: 20,47" / 6,30"	6,50 lb
01161180	jaw depth 6,3", width 7,09"	length / width: 20,87" / 7,09"	6,72 lb
01161200	jaw depth 6,3", width 7,87"	length / width: 20,08" / 7,87"	7,05 lb

## MULTI PURPOSE SHEET METAL PLIERS

### 23. ROUND NOSE PLIERS

lap joint



01360240		length / width: 10,24" / 2,17"	0,36 lb
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### 24. FLAT NOSE PLIERS

Lap joint



01370240		length / width: 9,65" / 2,17"	0,93 lb
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### 25. SEAM OPENING PLIERS

For fast opening of standing  
and double seams,  
lay-on joint



01070250		length / width: 9,84" / 1,38"	0,99 lb
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### 26. PLUMBER PLIERS

Head polished finish,  
for plumber and roofer works



01071000		length / width: 9,84" / 2,36"	1,18 lb
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### 27. END CUTTING NIPPERS

Head and joint polished finish,  
blades inductively hardened,  
black



01640000	200 mm	length / width: 7,76" / 1,97"	0,97 lb
01641000	250 mm	length / width: 9,45" / 0,98"	1,42 lb



## SEAMING, FOLDING AND BENDING TOOLS

**28. CRIMPER / FOLDING TONGS 114 FD**

This snaker is a unique tool tapering any tube caliber by setting a few pleats. Most times just for 2 ¾" pleats make an accurate fitting. High stability of the joint tubes gained by a large supporting surface is the big advantage of this tool.



**91020000** jawdepth 2 ¾"

length / width: 13,58" / 2,76"

1,76 lb

**29. TINEDGE-JAWS 104 BKZ**

Upright beads at double seam roofing are built effortless with the Tinedge-jaws.

Toolwidth is 19 ¾" and jawdepth selectable from ¾" to 2 ½". The upright bead is built into steps. First erect lip by 45° at it's full length, then bent it up to 90°.



**91010000** tongdepth 2 ½"

length / width: 24,8" / 19,69"

15,43 lb

**30. SHEETBENDING-JAWS 101 BG 1010**

Without difficulty leakproof and weldless gutters, ducts, high wallsheating, wallconnections etc. are constructed at the jobsite, unlimited working length. Durable baked epoxy finish



**91030000** jawdepth: 31 ½" tool depth: 4 ½"

length / width: 39,76" / 31,50"

30,86 lb

**31. SHEETBENDING-JAWS 102BG 500**

Used like no. 91030000.  
Durable baked epoxy finish



**91040000** jawwidth: 19 ¾", jawdepth: 31 ½", tooldepth: 4 ½"

length / width: 31,50" / 19,69"

15,21 lb

**32. SHEET BENDING JAWS 103 BG 300**

Used like no. 91030000.  
Durable baked epoxy finish



**91050000** jawwidth: 11 7/8", jawdepth: 22 7/8", tooldepth: 4 ½"

length / width: 22,44" / 11,81"

11,02 lb

### 33. TWINSEAM FOLDER 112DPF

This tool makes a manual accurate lock-seam just by spreading the levers. Dosed application of weight onto the implement relieves strain from the arms. Cost saving of the twinseam-folder is without competition working small roof-areas and corner-constructions. The implement is in dependent of any current source. Its application starts at a 1 1/2"-2" seam height. Durable baked epoxy finish



91060000 toolwidth: 8 2/3"

length / width: 33 1/2" / 6 1/3"

13,89 lb

### 34. EAVES EDGER 105 TK

Toolwidth of 10" allows quick and accurate sheet metal shaping constructing eaves, gutters, dormer windows etc., if needed a spacer can be put on at the eccentric pivot to create edges in excess of 90° as for high lips and waterbeads at inner eaves. Durable baked epoxy finish



91070000 clawdepth: 1 1/2", length: 9 1/2"

length / width: 9,84" / 10,24"

3,75 lb

### 35. EAVES CLOSING JAWS 106 TSCA

The jaw width of 8 3/4" enables quick and accurate folding of eaves sheet. Durable baked epoxy finish



91080000 toolwidth: 8 3/4", height: 2 1/3"

length / width: 15,35" / 8,66"

4,63 lb

### 36. UPRIGHT-SQUARE-EDGER 109 SK

Squares wall fitting sheets, stack sheatings or any other vertical edges are the field of operation for this accurate upright-square-edger, a handy and convincing tool in its broad field of operation. Durable baked epoxy finish



91090000 tonglength: 9 7/8", width: 1 1/2"

length / width: 28,94" / 3,74"

6,61 lb

### 37. SQUARESEAM FOLDER 111 WFSCH

this manually operated squareseamfolder joins SPM 30/80 profiles, smooth lead-on avoid marks at the transitions. It is easy to handle when working extreme angular sheathing, the tool may also be used for vertical as well as for horizontal beads. Durable baked epoxy finish



91100000 toolwidth: 8 3/4", clawheight: 2"

length / width: 14,96" / 8,66"

4,41 lb

### 38. SQUARESEAM FOLDER, UPRIGHT 128 WFSCHST

It's worth prefabrication SPM-profiles for small roof areas. For efficient use and transportation handles can be adjusted in length in 3 steps.  
Durable baked epoxy finish



91101000 toolwidth: 8 3/4", length: 2 3/4"

length / width: 20,87" / 9,06"

7,72 lb

### 39. SINGLE-HANDED-EDGER 108 HK

Suitable for sheet metal up to 1/3" this is the all-round-tool for roofer, plumber, tin smith and panelbeater, adjustable stops support making edges from 1/4" to 3/4" freehand, with a toolwidth of 2 1/8" you bend sheet metal in any length.  
Durable baked epoxy finish



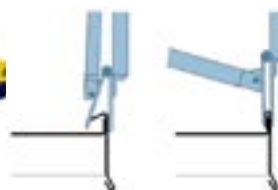
91110000 toolwidth: 2 1/8", height: 3 1/8"

length / width: 11,42" / 2,76"

1,54 lb

### 40. PLEATER/CLOSING TONGS 107 FSCH

Working quick, accurate and effective with the pleater, with it's 8 3/4" wide chuck jaws this tool is designed for closing simple lockseam and gusset plates.  
Durable baked epoxy finish



91120000 toolwidth: 8 3/4", clawdepth: 4", lever: 29 1/8"

length / width: 29,13" / 8,66"

11,02 lb

### 41. TWO-HAND EDGING TOOL 113 ZHK

Even difficult edges are built at the jobsite using sheet metal up to 1/3" and lip heights from 1/8" to 2 1/8". Adjustable stops make it unnecessary to mark the folding line. It's ideal for working horizontal seam and shifts. Chuck jaws join lockseam without readjusting the tool.  
Durable baked epoxy finish



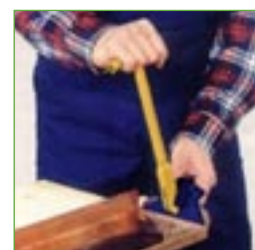
91130000 toolwidth: 4 3/4", height: 7 1/2"

length / width: 25,20" / 4,72"

10,14 lb

### 42. LEDGE-EDGER 110 GEK

This handy ledge-edger distributed for 45° or 60° angles is a particular practical tool bending ledge gussets. Peculiarity: Automatic bending of gussets at outer sill ends.  
Durable baked epoxy finish



91140000 toolwidth: 5 1/2", height: 5"

length / width: 12,01" / 5,10"

2,20 lb

#### 43. TILE EDGER 115 PEK

One gets a unique tool building any slope at tile edges.  
Durable baked epoxy finish



91150000 jawlength: 9 7/8", height: 1 1/2"

length / width: 27,17" / 4,41"

6,61 lb

#### 44. TILE EDGER SMALL 116 PEK

One gets a unique tool building any slope at tile edges.  
Durable baked epoxy finish



91160000 jawlength: 2 3/4", height: 1 1/2"

length / width: 14" / 2,5"

1,66 lb

#### 45. TWIN SQUARESEAM FOLDER 117 WDF

It allows simple and quick shaping of locked squareseam into double-seam in just one operation.  
Should not be used to close a squareseam!  
Durable baked epoxy finish



91170000 clawheight 2", toolwidth: 8 2/3"

length / width: 19" / 8 2/3"

5,51 lb

#### 46. TWIN SQUARESEAM FOLDER, UPRIGHT 131 WDFST

Used like no. 91170000  
Should not be used to close a squareseam!  
Durable baked epoxy finish



91171000 toolwidth: 8 2/3", height: 2 3/4"

length / width: 20,87" / 9,06"

7,94 lb

#### 47. SEMICIRCULAR DORMER SQUARESEAM FOLDER 127 RGS

The squareseam-folder is the ultimate tool joining prefabricated SPM-profiles. Even at dormer windows with a small radius one joins lockseam without difficulty. It can be used to tack up lengthwise beads to prevent withdrawal from folding press.  
Durable baked epoxy finish



91180000 Toolwidth: 2 1/2", height: 2 1/8"

length / width: 12,99" / 3,15"

2,20 lb



#### 48. CLIPPING SHEARS AKW-SYSTEM 134 AKW

This clipping shears are the optimal solution gaining time in getting an accurate finish of a gutter and eave. Clipping plain sheet, upright-seam and square-seam can be done. The AKW is easy to handle in the workshop as well as at the jobsite clipping preprofiled beads on the roof or at facades. After clipping the lower bead the upper one can be mounted and seamed. It may be clipped after roofing is complete. This allows effective work and the investment will pay for itself soon. Durable baked epoxy finish



91190000

length / width: 18,90" / 8,66"

11,02 lb

#### 49. EAVES RULER 120 TRL

One time adjustable scale of required length of the sheet excess (incl. extension).  
Put eaves ruler to the edge of the eaves sheet, push along and mark out, then the cutted sheets can be folded cleanly with the eaves canter or eaves closing tongs system Rau.  
Durable baked epoxy finish



91230000

length / width: 4,53" / 4,72"

0,44 lb

#### 50. ROLLING HAND SHEAR „HSG“

The Rolling Hand Shear is a very light handy cutter which cuts different types of sheet metal and plastic boards. Cutting wheels are made of hardened steel which is easy to dismantle and regrind.  
Set includes :  
- Rolling Hand Shear  
- Guide Rail  
- Gloves (for free)



91240000

length / width: 4,53" / 4,72"

0,44 lb





## TIN HAMMERS

### 51. TINMAN'S HAMMER

PVC, edged



01674000		length / width: 14,37" / 5,91"	19,4 oz
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### 52. PVC-HAMMER

Polydur, round



01678050	Head 1,97" x 3,54"	length / width: 13,39" / 3,54"	11,64 oz
01678060	Head 2,36" x 4,25"	length / width: 13,39" / 4,25"	15,87 oz
01678070	Head 2,76" x 4,72"	length / width: 13,78" / 4,72"	19,05 oz
01678080	Head 3,15" x 5,51"	length / width: 13,78" / 5,51"	27,87 oz

### 53. PVC-HAMMER

Polydur, edged



01678145	Head 5,71" x 1,37"	length / width: 14,37" / 5,71"	19,40 oz
01678155	Head 6,10" x 1,37"	length / width: 14,37" / 6,10"	21,16 oz

### 54. LOCKSMITH'S HAMMER

Curved ash-tree handle, special oval bolster



01710100		length / width: 10,24" / 3,35"	3,52 oz
01710200		length / width: 11,02" / 3,74"	7,05 oz
01710300		length / width: 11,81" / 3,94"	10,58 oz
01710400		length / width: 12,09" / 4,25"	14,11 oz
01710500		length / width: 12,60" / 4,72"	17,63 oz
01710800		length / width: 13,78" / 5,12"	28,22 oz
01711000		length / width: 14,09" / 5,31"	35,27 oz
01711500		length / width: 14,75" / 5,75"	52,91 oz
01712000		length / width: 15,25" / 6,25"	70,55 oz

### 55. HAMMER FOR ANGLE FLAT SCRAPER

Polished



01121000		length / width: 12,5" / 4,5"	10,58 oz
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## FLAT SCARPERS, BOTTOM SWAGES AND FOLDING PLIERS

### 56. ANGLE FLAT SCRAPER

Drawn steel,  
bright working surfaces,  
polished finish


01120000		length / width: 11" / 4,5"	3,42 lb
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### 57. DOUBLE WELT IRON

Steel forged, prism height 0,98" and 1,38"



01110000		length / width: 9,45" / 5,52"	7,51 lb
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### 58. SQUEEZING FOLDING PLIER

Forged of special steel, depth 5,51"



01130000		length / width: 9,06" / 8,66"	1,88 lb
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### 59. FLIZ-FOLDER

Stainless steel, for bending metal sheets



01131000		length / width: 4,53" / 5,12"	0,66 lb
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### 60. FLAT SCRAPER

Steel-forged, long blade,  
prism height 0,98",  
prism with bare hole 0,2" x 0,59"



01150000		length / width: 11,42" / 5,59"	5,52 lb
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### 61. FLAT SCRAPER

Steel forged, long blade,  
prism height 0,98",  
prism with bare hole 0,2" x 0,59"



01150100		length / width: 11,42" / 6,30"	3,64 lb
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### 62. BOTTOM-SWAGE



01040006	groove width 0,23"	length / width: 5,5" / 0,23"	0,83 lb
01040008	groove width 0,32"	length / width: 5,51" / 1,77"	0,96 lb
01040010	groove width 0,39"	length / width: 5,31" / 1,77"	0,99 lb

## SOLDERING

### 63. FLUX FOR TIN-SOLDER



66400320	for new metals (copper, zinc)	length / width: 4" / 4"	1,10 lb
66401320	for oxidized metals (copper, zinc)	length / width: 4" / 4"	1,10 lb

### 64. SPARE-GASCARTRIDGE (BUTANE/PROPANE)

Burning duration approx. 1-2 hours



66440085		length / width: 6,5" / 1,75"	
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### 65. SOLDERING IRON SET IN A METAL BOX

Automatic soldering iron  
with gascartridge no.  
66444000 spare-gascartridge  
ammonia stone for soldering



66441000		length / width: 6,3" / 14,37"	6,84 lb
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### 66. AUTOMATIC SOLDERING IRON WITH GASCARTRIDGE

- With patented CERCO-burner
- In each position immediately ready for use through its special cartridge- burning duration 2 hours through optimized burner
- Ideal for repairs- extremely handy
- No tube, no gas bottle, TÜV/GS homologated



66444000		length / width: 14,17" / 4,33"	2,58 lb
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### 67. SOLDERING IRON TIP BENT

Bent tip



66480002		length / width: 2,76" / 3,54"	0,49 lb
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### 68. SOLDERING IRON TIP

Light tip



66480003		length / width: 3,94" / 1,18"	0,41 lb
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### 69. SOLDERING IRON TIP

Middle tip



66450001		length / width: 4,33" / 1,38"	0,52 lb
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**70. SOLDERING IRON TIP**

Heavy tip



66480001

length / width: 4,33" / 1,77"

0,70 lb

**71. SOLDERING IRON TIP**

Special drilling inside the tip  
for an improved heat circulation.


66460001

length / width: 3,97" / 1,77"

0,75 lb

**72. SOLDERING IRON TIP**

Special drilling inside the tip  
for an improved heat circulation.


66470001

length / width: 3,97" / 1,77"

0,75 lb

**73. SOLDERING IRON TIP BENT, COATED**

Soldering without Ammonia stone and rework



66481002

length / width: 2,76" / 3,54"

0,49 lb

**74. SOLDERING IRON TIP BENT, COATED**

Soldering without Ammonia stone and rework



66481003

length / width: 2,76" / 3,54"

0,41 lb

**75. SOLDERING IRON TIP BENT, COATED**

Soldering without Ammonia stone and rework



66451001

length / width: 3,94" / 1,57"

0,52 lb

**76. SOLDERING IRON TIP BENT, COATED**

Soldering without Ammonia stone and rework



66481001

length / width: 4,33" / 1,77"

0,70 lb

**77. SOLDERING SET LÖT MAX**

For easy soldering works, non-skid on roof, soldering stone, tank, soldering fluid  
brush


03310000

length / width: 6,75" / 3,75"

0,44 lb

**78. AMMONIA STONE FOR SOLDERING**

For LÖT MAX and LÖT MAX KOMBI



03322000

length / width: 1,22" / 0,75"

0,22 lb

**79. SOLDERING FLUID BRUSH**

Dark bristles, app. 10 - 15 mm wide, for soldering fluid, acids, oil etc.



03390000

length / width: 5,31" / 0,79"

0,01 lb

## GUTTER CLAMPING PLIERS

### 80. GUTTER-CLAMPING PLIERS

For tensing the gutters during soldering, riveting and drilling



01190006	for 6 part gutters	length / width: 12,99" / 3,54"	2,76 lb
01190007	for 7 part gutters	length / width: 12,20" / 3,54"	2,65 lb

## PIPE CRIMPER

### 81. PIPE CRIMPER WITH 5 BLADES

Progressiv reduction of the pipe diameter, swaging up to 1,5"



01320002		length / width: 9,45" / 3,74"	1,09 lb
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## PIPE EXPANDERS

### 82. EXPANDER FOR PIPES

For expanding pipes, suitable for all usual pipes of copper, aluminium and zinc, forward feed and reverse motion, hexagone.



Additional supplies:  
through belt ratchet for manual actuation no. 01320010 and adapter for SDS-plus record 01320020, special steel hardened, gun metal finish



01320076	Suitable for 3" pipes	length / width: 5" / 2,75"	2,13 lb
01320100	Suitable for 4" pipes	length / width: 5" / 3,75"	3,40 lb

### 83. EXPANDER FOR PIPES, MULTI-PURPOSE SET, EQUIPPED

Plastic box with two expanders for pipes (2 1/2" up to 5") of free choice



01329000		length / width: 10,24" / 12,99"	
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### 84. ADAPTER SDS-PLUS

For all types of Pipe Expanders



01320020		length / width: 5,5" / 1,5"	0,67 lb
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### 85. SOCKET RATCHET



01320010		length / width: 9,5" / 1,5"	1,04 lb
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## SCRIBING IRON

### 86. SCRIBING IRON



01550250		length / width: 9,84" / 2,36"	0,09 lb
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## GUTTER BENDER

### 87. GUTTER-OUTLET FORMING PLIERS

Slip crack, head made of malleable casting GTW 40, zinc-plated, steel tubes with plastic handles, for a bracket strength up to 1,57" x 3,15"



01000600		length / width: 23,62" / 4,33"	7,06 lb
01000800		length / width: 31,50" / 4,33"	7,73 lb

## ROOFING



Manufacturing compatibilities of highest standards. Our hammers are made to last. FREUND offers you the world largest choice of slate hammers. Hand held slate cutter and punch. With its modern cutting geometry, it's ergonomical design, and what about the weight, only 20 lb! It will be less tiring to do the job. Roofers will appreciate these tools.

## SLATE HAMMER

## 88. SLATER'S HAMMER, RHENISH PATTERN

Nail puller, handforged, leather handle, polished finish, point protection,



00020650	right	length / width: 13,19" / 8,66"	22,93 oz
00021650	left	length / width: 13,19" / 8,66"	22,93 oz

## 89. SLATER'S HAMMER, FRENCH PATTERN

Nail puller, handforged, leather handle, polished finish, point protection



00050000	right	length / width: 12,60" / 8,46"	23,28 oz
00051000	left	length / width: 12,80" / 8,46"	23,28 oz

## 90. SLATER'S HAMMER, AMERICAN PATTERN

Nail puller, handforged, leather handle, polished finish



00052000	right	length / width: 12,72" / 8,46"	23,98 oz
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## SLATE ANVILS

## 91. SLATER'S ANVIL

Directed, all edges ground, top bent, black



00310000	straight 1,18" x 0,24"	length / width: 7,48" / 12,20"	1,23 lb
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## 92. SLATER'S ANVIL

Directed, all edges ground, top bent, black



00311000	bent 1,18" x 0,24"	length / width: 8,27" / 12,40"	1,23 lb
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## 93. SLATER'S ANVIL PRIMERO

Directed, all edges ground, with integrated punching device - dressing and punching in one step

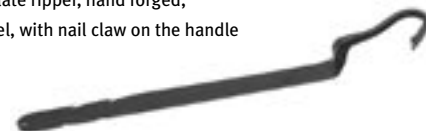


00315000	bent, right	length / width: 8" / 12,50"	1,72 oz
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## SLATE RIPPER

## 94. SLATE RIPPER

The traditional FREUND slate ripper, hand forged, all out of one piece of steel, with nail claw on the handle



00240315		length / width: 18,5" / 3,54"	1,27 lb
00240400		length / width: 21,65" / 3,54"	1,38 lb
00240470		length / width: 24,41" / 3,54"	1,60 lb
00240525		length / width: 26,38" / 3,35"	1,65 lb
00240600		length / width: 28,74" / 3,15"	1,83 lb



## SLATE RIPPER WITH INTERCHANGEABLE BLADE

## 95. SLATE RIPPER WITH STAINLESS STEEL BLADE

Holder and nail puller drop-forged, galvanized stainless steel blade with rounded edges, flexible spring tempered blade is easily replaced by means of two special screws, special holder suitable for all blade lengths, delivery complete including assembly wrench for quick change of the blade, special thin, high flexible blade



00250315		length / width: 19,50" / 3,35"	2,20 lb
00250400		length / width: 22,83" / 3,35"	3,09 lb
00250470		length / width: 25,39" / 3,35"	3,20 lb
00250525		length / width: 27,50" / 3,35"	2,53 lb
00250600		length / width: 30,12" / 3,54"	2,43 lb



## REPLACEMENT BLADES

## 96. REPLACEMENT BLADE FOR SLATE RIPPER

Galvanized stainless steel blade with screws, special thin, high flexible blade



00252315		length / width: 12,40" / 1,77"	0,44 lb
00252400		length / width: 15,75" / 1,77"	0,66 lb
00252470		length / width: 18,50" / 1,77"	0,77 lb
00252525		length / width: 20,67" / 1,77"	0,77 lb
00252600		length / width: 23,62" / 1,77"	0,88 lb

## SLATE CUTTERS

## 97. ERGO-CUT

Slate cutter, asbestos-cement and fibre-cement made out of high quality aluminium, ergonomic, light weight, with punching device



00920000		length / width: 12,20" / 2,76"	1,26 lb
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## 98. SLATE CUTTER SCHIEFERMAX

Cuts all roof and facing tiles made of slate, artificial slate and asbestos cement, body made of high-quality aluminium alloy, weight only 6,9 kg, hardened knife, also suitable for hard and brittle slate tiles, delivery only basic tool. (without punching device and guide)



00350000		length / width: 18,11" / 9,45"	15,21 lb
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## 99. GUIDE FOR SLATE CUTTER SCHIEFERMAX

Adjustable from 30-300 mm, 0-90°



00351000		length / width: 16,73" / 9,45"	2,31 lb
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## 100. PUNCHING DEVICE FOR SLATE CUTTER SCHIEFERMAX

A normal steel nail, 3,4 x 40 mm, is used to punch holes



00352000		length / width: 15,75" / 4,25"	1,98 lb
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### 101. ELECTRICAL TILE CUTTER PRIMERO-CARVER

For an efficient and professional treatment of natural and artificial slate.  
Cutting into length, inner and outer radius, curve and edge cuts so quick and breakless as never before. Versatile usable as accumulator.  
Primero-Carver, accumulator tool in metal tool box, quick charger and 2 accumulators 12 V/1,4 Ah incl. Primero-Carver, 220/240 Volt-connection



00317000		17,20 lb
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### 102. RECHARGEABLE BATTERY FOR PRIMERO-CARVER

00317100	12 V/1,4 Ah	1,47 lb
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### 103. QUICK CHARGER FOR PRIMERO-CARVER

00317200		1,30 lb
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### 104. PRIMERO-CARVER HOLDER

00318100		14,77 lb
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### 105. PRIMERO-CARVER SPARE BLADE

directed, all edges ground, top bent, black, bent 1,18" x 0,24"

00318200	standart	0,08 lb
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00318300	diamond	
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## ROOFING HAMMER

### 106. ROOFER'S HAMMER

Forged all in one piece hammer head,  
DIN 7239, with neoprene handle  
and magnet



00114001	length / width: 12,99" / 6,3"	35,27 oz
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### 107. ROOFER'S HAMMER

One piece forged steel,  
two components handle,  
with magnet



00114002	length / width: 12,99" / 6,89"	27,16 oz
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### 108. ROOFER'S HAMMER

Fiberglass-handle with PVC grip,  
with magnet



00118000	length / width: 12,99" / 6,69"	21,16 oz
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## TILE CUTTER

### 109. HEAVY DUTY TILE CUTTER BIBERMAX II

An outstanding cutter for all crown tiles, efficient and ecological, cutting device:  
European patent 0565561 Brevetti MONTOLIT

complete with ground  
base and adjustable guide,  
cutting length 400 mm



00260000	left	length / width: 28,35" / 7,48"	3,09 lb
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### 110. SPECIAL METAL WHEEL

00261001		0,01 lb
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### 111. LEVER WITH SPECIAL METAL WHEEL

00261002	length / width: 8,66" / 1,65"	0,01 lb
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## CEMENT ASBESTOS GUILLOTINE

### 112. CEMENT ASBESTOS GUILLOTINE NO. 96

Weight only 33 lbs. Heavy duty aluminium alloy, steel blade and punch. The precise finish warrants a straight cut.  
Big Facing Tiles 236" x 118" can be cut in a diagonal of 263". Two punching devices for 0,01" punches, the leading punch can be regulated for punches of 0,08" and 1,38". With an extra blade for small cuts (angles). Cannot be used for natural slate.



00960000		33,07 lb
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### 113. ADJUSTABLE GUIDE

Adjustable guide for No. 96, adjustable from 1,77" – 11,81"



009600001		4,52 lb
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## CUTTER FOR ROOF SEALING MATERIAL

### 114. JAMAS CUTTING DEVICE FOR ROOF SEALING MATERIAL

Suitable for the cutting of roof sealing material as PVC, TPO, EDPM, ECB and Bitumen, with adjustable guide at the side



02150000		9,48 lb
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### 115. ROOF FOIL CUTTER

Roof foil cutter



02140000	cutter	length / width: 7,48" / 2,95"	0,26 lb
02140100	spare blade	length / width: 1,77" / 0,98"	0,01 lb

Roofing school





### KNIFES AND BLADES

#### 116. UNIVERSAL KNIFE WITH RETRACTABLE BLADE, HEAVY-DUTY

Fitted with 1 straight blade,  
also suitable for hooked blades



02080000		length / width: 6,30" / 1,38"	0,33 lb
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#### 117. FREUND-KNIFE

Ergonomical shape,  
with bladebox in the handle,  
can be opened by thumb pressure,  
with plastic sheath



02100000		length / width: 8,66" / 2,17"	0,43 lb
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#### 118. SILVER-KNIFE

Ergonomical shape,  
can be opened by thumb pressure,  
with plastic sheath



02110000		length / width: 7,28" / 2,76"	0,75 lb
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#### 119. CABLE KNIFE, CAN BE FOLDED

Timbered grip, blade polished finish



02500000		length / width: 7,75" / 0,75"	0,36 lb
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#### 120. BLADES

0,25" thick, ice hardened,  
extremely strong quality,  
dispenser of 10 pieces  
in a master carton  
of 100 blades.



02300100	trapezium	length / width: 2,56" / 0,98"	0,01 lb
02310100	hooked	length / width: 2,56" / 0,98"	0,01 lb

### ROLLERS

#### 121. STEEL ROLLERS

Steel roll,  
ball bearing on one side,  
heavy type



03170040	diameter 1,57" x 1,57"	length / width: 8,86" / 1,57"	1,08 lb
03170060	diameter 1,57" x 1,57"	length / width: 8,86" / 2,36"	1,38 lb

#### 122. SILICONE ROLLERS

Silicon roll,  
rollers on both sides,  
for lap-weldings



04220045	diameter 1,29" x 1,77"	length / width: 6,10" / 2,56"	0,55 lb
04220090	diameter 1,29" x 1,77"	length / width: 6,30" / 4,13"	0,77 lb

#### 123. SILICONE ROLLERS

Silicon roll,  
roller on one side for lap-weldings



04221045	diameter 1,29" x 1,77"	length / width: 6,50" / 3,50"	0,55 lb
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#### 124. SILICONE ROLLERS

Silicon roll, 45°, running in ball bearings, for rolling bituminous water-proof sheet close to edges of domelights, vertically ascending walls, the roller is designed to prevent injury to hands on walls and provides a considerably improved overview of the work area.



04224045	diameter 1,29" x 1,77"	length / width: 7,09" / 2,36"	0,53 lb
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#### 125. STEEL ROLLERS

With extrem small, convex all-steel wheel and ball bearings. Heavy type specially for the welding of PVC-foils and the installation of flooring materials.



04225000	diameter 1,33" x 0,24"	length / width: 7,68" / 1,38"	0,43 lb
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P. F. FREUND & CIE. GmbH  
Hahnerberger Straße 94-96  
D-42349 Wuppertal, Germany

Telefon: +49 (0) 202 / 4 09 29-0  
Telefax: +49 (0) 202 / 4 09 29-29

E-Mail: [info@freund-cie.com](mailto:info@freund-cie.com)  
[www.freund-cie.com](http://www.freund-cie.com)





**Your vendor:**

