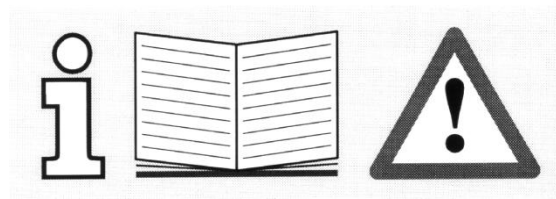


... the total roofing system from coil to roof



Instruction - Manual



Please read this manual before attempting to operate this machine and observe all safety signs

Hand - Operated Folding Brake

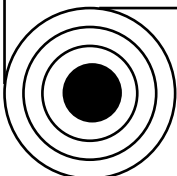
K1-AGN-3.01 (without frame)

K1-AGNU-3.01 (with frame)

Optional storage box

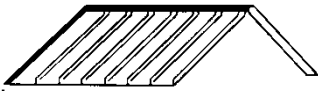


Mach.-No.:



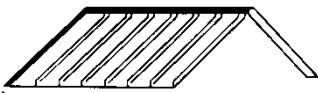
Max Draenert GmbH & Co.KG Electric - Cordless - Pneumatic Tools - Machines Germany

Factory I :	Administration	D - 73777 Deizisau	P.O. Box 1120	Phone + 49 (0) 7153-8217-0
	Manufacturing Shears	D - 73779 Deizisau	Gutenbergstr. 15-17	Fax + 49 (0) 7153-8217-66
Factory II :	Manufacturing Roofing System	D - 73779 Deizisau	Seewiesenweg 1	
	INTERNET	http://www.dracotools.com	E-mail:	draenert@dracotools.com



Index

	Page
Instruction Manual K1-AGN(U)-3	3
Working with the Hand Folding Brake	4
How to fold a drip edge hook	5/6
Hand Operated Folding Brake	7
Depth scale	8



... the total roofing system from coil to roof



Hand Operated Folding Brake K1-AGN-3 (without frame) and K1-AGNU-3 (with frame)

The brake is equipped with the following parts:

- ☒ Folding Brake
(can be dismantled from frame)
- ☒ Frame
with 4 castors for easy transportation
- ☒ Metal-Box
for accessories
- ☒ 1 Guide straight
- ☒ 1 Guide adjustable
- ☒ 1 Bending bar
- ☒ 5 Segments of different width
560/102/127/76/52 mm
- ☒ 1 Segment left side 202 mm
- ☒ 1 Segment right side 202 mm
- ☒ 1 Long bending bar
- ☒ 3 Angle irons in different
lengths for bending up
520/445/290 mm
- ☒ Allen-screws
- ☒ Slot stones

OPTION-Equipment:

- ☒ Metal box (K1-AGNU-3) for safe storage
of parts and tools



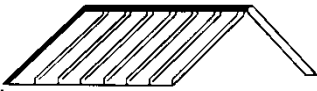
Folding Brake K1-AGNU-3 with optional storage box

Please check above items
If complete

Bending thickness: Aluminium, Copper, Lead, Metal, Zinc 0,8 mm, Stainless steel 0,5 mm.

length: 1560 mm
width: 600 mm
height: 1600 mm (K1-AGNU-3)
Opening height: 60 mm

weight: with frame 69 kg, storage box 4 kg
without frame 53 kg
working height: 900 mm
working width: 1000 mm



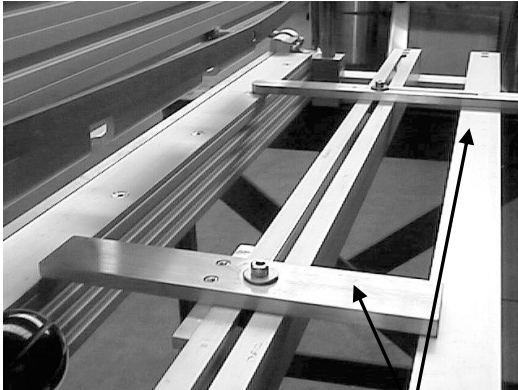
... the total roofing system from coil to roof



Working with the Hand Folding Brake K1-AGN-3 and K1-AGNU-3

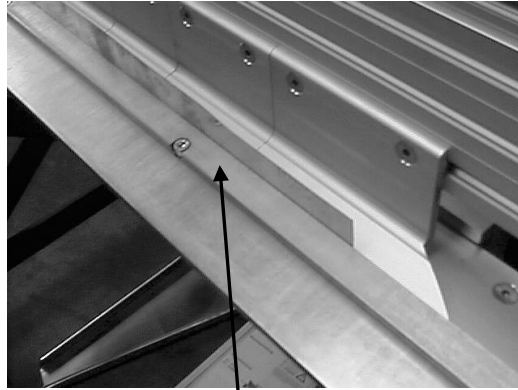
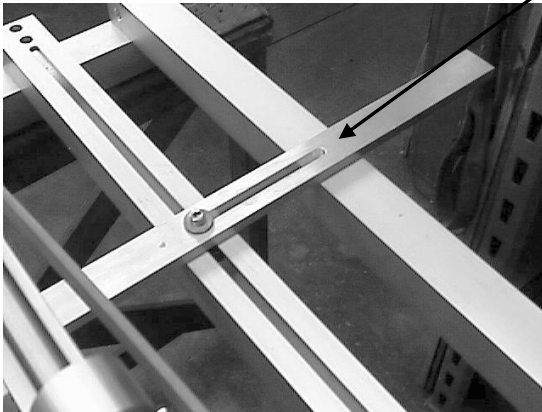
To change the segments use allen wrench. Loosen allen-screws to change or slide segments to the left or right. Tighten allen-screws again. The top bending bar, guides on needle-bearings and opens up approx. 50 mm, working width 1020 mm.

Clamping sheet metal with eccentric, by hand-lever. Gas pressure springs prevent slip off, of top bending bar, when open.



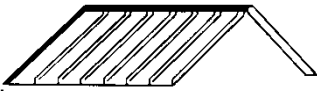
Adjustable fences left and right to guide material exactly..

The adjustable fence on the left side, is used for tapered panels.



To bend to the top, screw metal bar to pivot

Without Picture:
The metal bars delivered in different lengths, assemble to the pivot as required. Select fingers, to fit between the stand up legs, to bend material up.



... the total roofing system from coil to roof



How to fold a drip edge hook with folding brake K1-AGN-3 or K1-AGNU-3

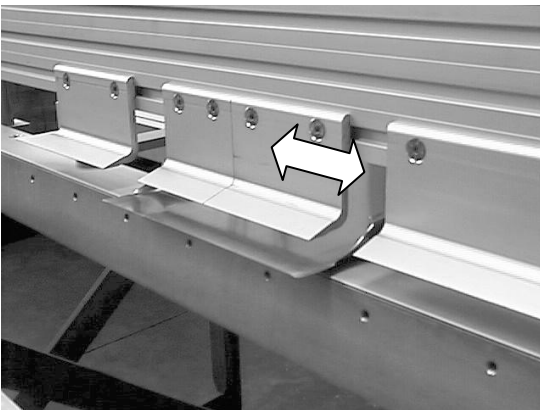


Step 1 Pivot assembled with
a metal bar

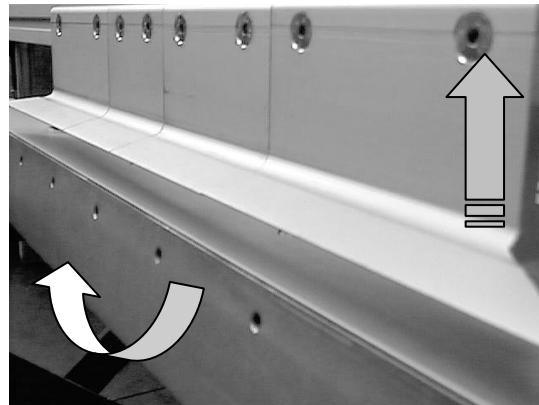


Step 2 Pivot without metal bar.

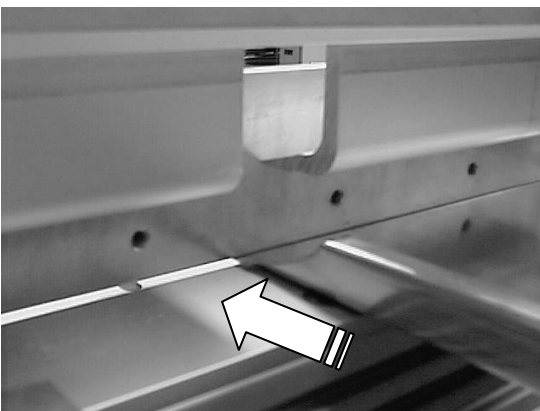
To manufacture a drip edge hook, use allen wrench to disassemble metal bar from the pivot. All screws must be removed from the pivot.



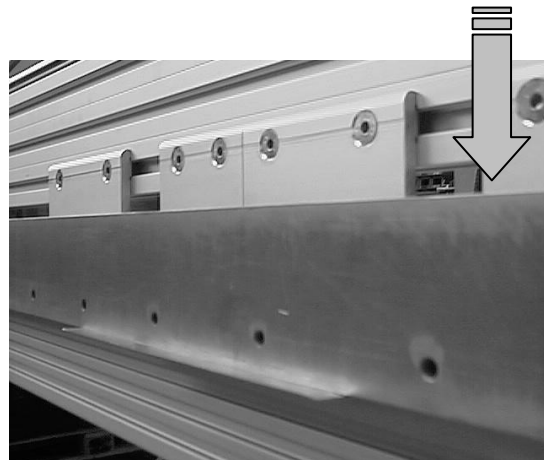
Step 3 Select fingers to fit into the panel



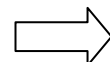
Step 4 Move top clamp all the way up

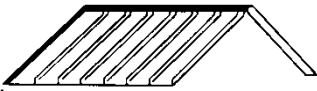


Step 5 Slide in panel from the back side of the
brake under the pivot.

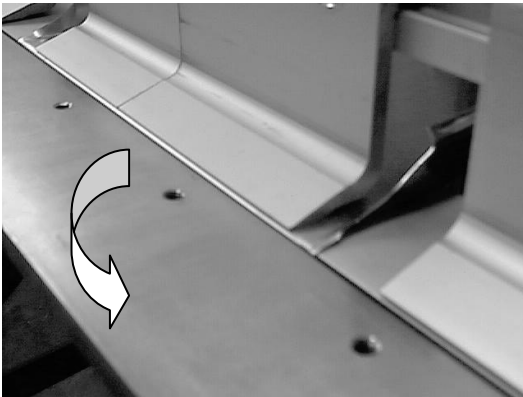


Step 6 Bring top clamp down, to clamp material.





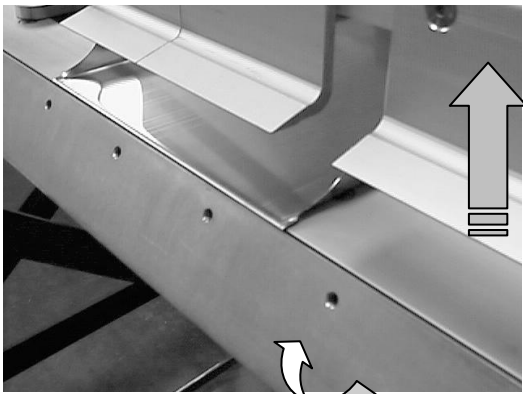
... the total roofing system from coil to roof



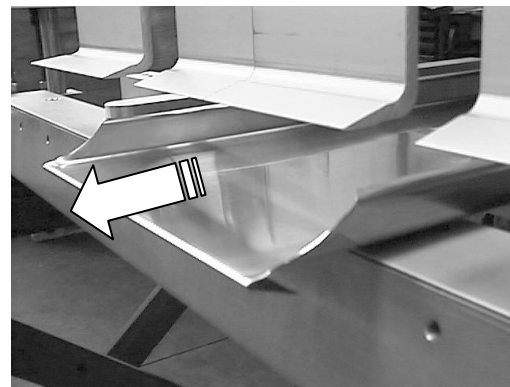
Step 7
Rotate pivot all the way down.



Detail picture step 7.
The notch out, should not be more then 25 mm (1")

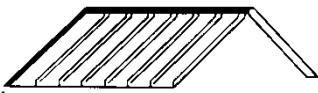


Step 8
Lift top clamp all the way up.
Move pivot slightly up and down, to unhook panel from bed.



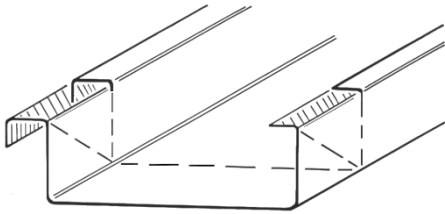
Step 9
Slide panel forward, lift and slide out panel to the front or back.

Done!

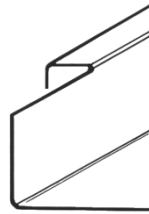


Hand Operated Folding Brake

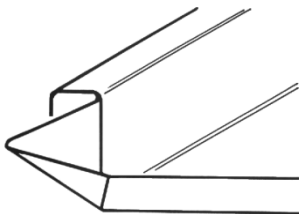
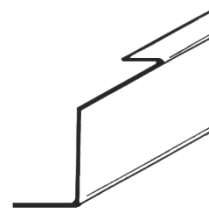
Pos. 1-6



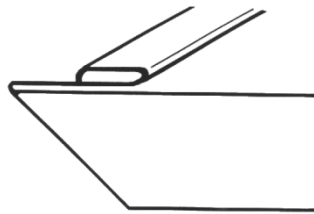
Pos. 1
For flaps, cut marked parts out of female and male panel (undercloak, overcloak).



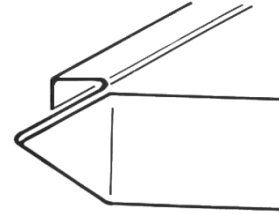
Pos. 2
Female and male 25 mm cut out (undercloak, overcloak).



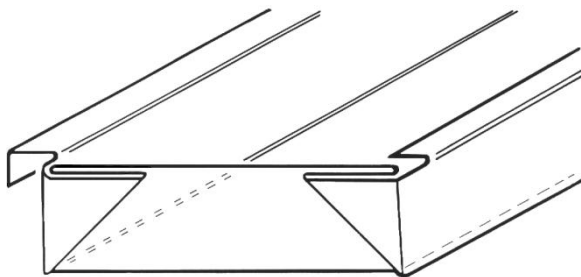
Pos. 3
With brake, bend 30° to top and bend flaps with a pair of pliers to the outside.



Pos. 4
Bend fold 90° to top and press flaps with a pair of pliers tight.



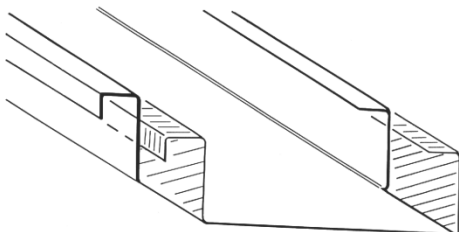
Pos. 5
With a pair of seaming pliers bend flap to the right and left, pos. 6



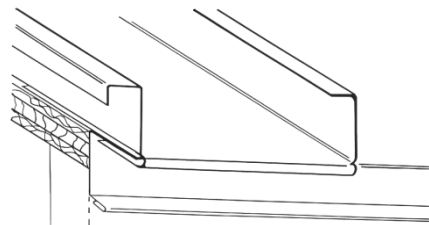
Press flaps tight, with a pair of pliers.

Pos. 6

Examples for bending metal to the top and down 180°



To bend fold to the top or down 180°, cut marked parts out of female and male panel



For connections at the gutter, ridge or wall to the top or down 180°

Assembling of depth scale:



Completely fitted



Gliding parts for fence.