

The Hammann – Film Cleaver Mk.V



The Hammann – Film Cleaver Mk.“V“ (variable) produces an exact wedge-cut to edit film without any loss of image field. The Film can be invisibly re-cemented. Dust or scraped particles are a matter of the past. Emulsion borders are cut perfectly on both thin reversal film and thick -based print material. The Hammann Film Cleaver Mk.“V“ is the perfect tool for editing reversal film, where many kinds of materials are present. It is also ideal for [A-B](#)-editing of negatives.

Colored leaders, black – and white or color print film come in different thickness, varying up to 4/100th millimeters. With it's auto- adjusting filmskid, the Hammann Film Cleaver adapts itself to any kind of film base. While cutting, a set of steel pins maintain the film in position. Adjustable register pins allow a precise adjustment of the splice position. With little maintenance the Film Cleaver will operate troublefree for decades.

It is available for :

Super 8 Film DIN – A Wedge-cut 1,05mm
 9,5mm Film DIN – B Wedge-cut 1,00mm
 Super 9,5mm DIN – B Wedge-cut 1,00mm

16mm Negativ – Single Filmband montage DIN-A Wedge-cut: 0,80 / 0,85 / 0,90mm
 16mm Negativ – Single Filmband montage DIN-B Wedge-cut: 0,80 / 0,85mm
 16mm Negativ – Chessboard montage ([A – B Montage](#)) Wedge-cut: 1,05mm

You need two Film Cleavers for A – B Montage

1x Films Cleaver pins in front A-1,05mm

1x Films Cleaver Pins on the rear A-B 1,05mm

16mm Positiv – Single Filmband montage (Reversal) DIN A Wedge-cut: 0,80 / 0,85 / 0,90 / 1,05mm
 16mm Positiv – Single Filmband montage (Reversal) DIN B Wedge-cut: 0,80 / 0,85mm
 16mm Positiv – Single Filmband montage (copy) DIN A Wedge-cut: 1,05mm

35mm Negativ DIN-B Wedge-cut: 1,10 / 1,15 / 1,20mm
 35mm Negativ – Cinemascope (CS) Wedge-cut: 0,80mm
 35mm Positiv DIN-B Wedge-cut: 1,10 / 1,15 / 1,20mm

70mm – 65mm on request

By making orders please always specify the following:

- 1, Film types: S8 / 9,5mm / S9,5mm / 16mm / S16mm / 35mm
- 2, Negative oder Positive
- 3, The Standards: DIN A oder DIN B oder [A-B Montage](#)
- 4, The wedge cut

For Decades on the Leading Edge of Film Splicing

The finished splice is only approx. 3/100th of a millimeter thicker than the film.
It is invisible and inaudible in projection. When transferred to video tape, print film or reversal material, wet-copying is recommended.

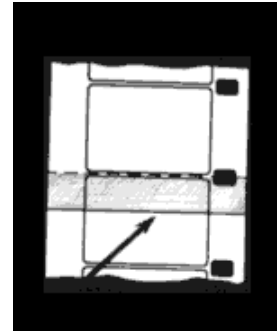
Shape A:

The asymmetrical splice. The cut starts in the center between two frames.

Length of the cut is 1,05 millimeters.

All films intended for projection or vtr

should be spliced according to this standart.

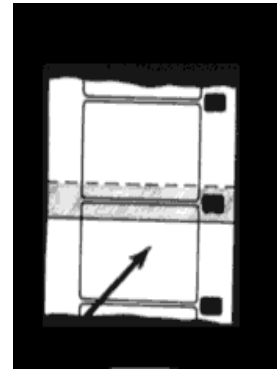


Shape B:

The symmetrical splice.

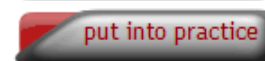
The wedge centers the bar.

Length of the cut is 0,85 millimeters.



The Hammann – Cleaver is originall manufactured according to shape „A“ .
To achive ma“imum precision, it is user-adjustable to compensate for tolerances.

The Brass-screw enables to re adjust overlapping:
Rotation counter-clockwise produces more,
rotation clockwise produces less overlap.



The A - B Cut

The A-B cut develops two negative bands, at which every scenes are cut in alternately A or B band and the following scenes are set in full-length with black film.

The splice lies always in black film, however, it changes once from head-cut (Kopfschnitt) to foot-cut (Fußschnitt). It must be taken into account that the splice still appears like film stripe that divides between two frames. Hence, the cleaver must be adjusted to respective cameras.

When both splice position "head-cut and foot-cut" exactly lie one upon another, the splice must appear like orange bar.

The head-cut:

The Hammann Film Cleaver 16mm Mk."V"

Wedge cut: 1,05mm / DIN-A

Pins in front, is the cutting device for head-cut.

The negative, emulsion side up, on the "Schicht" plane of the cleaver are cut at the upper part of the frame. On the left side of the open splicer, put the film, emulsion side up.

The black film, emulsion side down, on the "Blank" plane of the cleaver get its first cut and will be applied with film cement. Emulsion side up, put the black film on the right side of the splicer then close.

The foot-cut :

The Hammann Film Cleaver 16mm Mk."V"

Wedge cut: 1,05mm / DIN- "A-B"

Pins on the rear is the cutting device for foot-cut.

The negative, emulsion side up, on the "Schicht" plane of the cleaver are cut at the lower part of the frame. On the right side of the open splicer, put the film emulsion side up.

The black film are cut, emulsion side down, on the "Blank" plane of the cleaver. Applied with film cement, put it on the left side of the splicer then close.

With these procedures, youll surely get the right A-B cut and a satisfying result of invisible joins.



The Hammann - Film Joiner



The Film Joiner is very handy, it measures only 105 x 55 x 55 millimeters and requires very little space on the splicing table. Laquered and bare metal parts are not affected by film cement solvents. The Hammann – Film Joiner aligns the film in the perforations. This is achieved with precision register pins, which also align film material which has been altered through age or use. A channel machined into the baseplate prevents the film from being stained. Excess cement is drained away.

The Film Joiner is opened with a push of the lock button. It does not shift to either side. At the same time, the baseplate lifts the film vertically off the register pins. There is no torsion or pull on the fresh splice.

The baseplate can be changed without tools and are available for these formats:
35mm Reversal / 35mm Negative / 16mm / Super 8 / 2 x Super 8 (DS 410) / 9,5mm

The Film Joiner: KP 16 / 96

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The Hammann - Film Joiner Mk. KP 16/96



The Film Joiner Mk. KP16/96 is a result of further development study in 16mm field.

It is furnish with adjustable screw located on the left side of the joiner making manual adjustments possible.

The result → invisible joins!

The film joiner Mk. KP 16/96 differs entirely from its previous model. Comparison is as follows:

- Previously, when you put the film on the joiner after cutting, you might have noticed that the edge of the film ended exactly on the channel. Excess film cement runs into the channel and dries up, inevitably developing an angle right under the film and thus producing a prismatic edge which is very visible when projecting.
- By the new joiner KP16/96, you won't see a prismatic edge anymore because you can adjust the position of the film to as far as 2/10mm beyond the channel. Excess film cement dries up like a tiny bulge only under the film which is not visible when projecting.

This model is very much advisable when you are cutting different kinds of wedge cut varying from 0,6mm to 1,20mm in 16mm field.

Extra baseplate for each wedge cut is no longer necessary.

