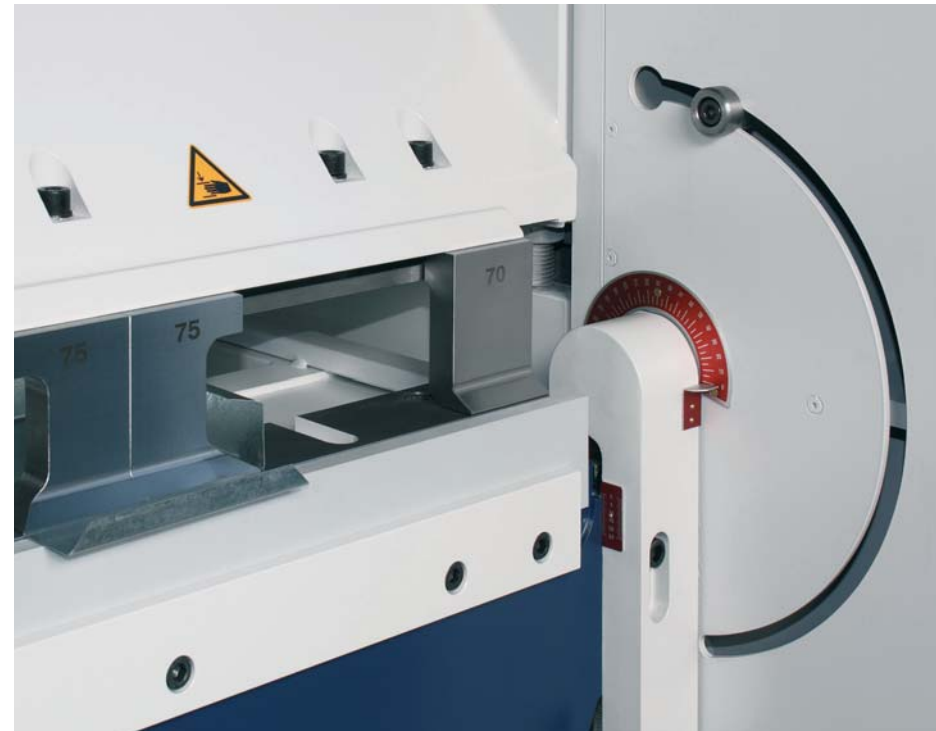
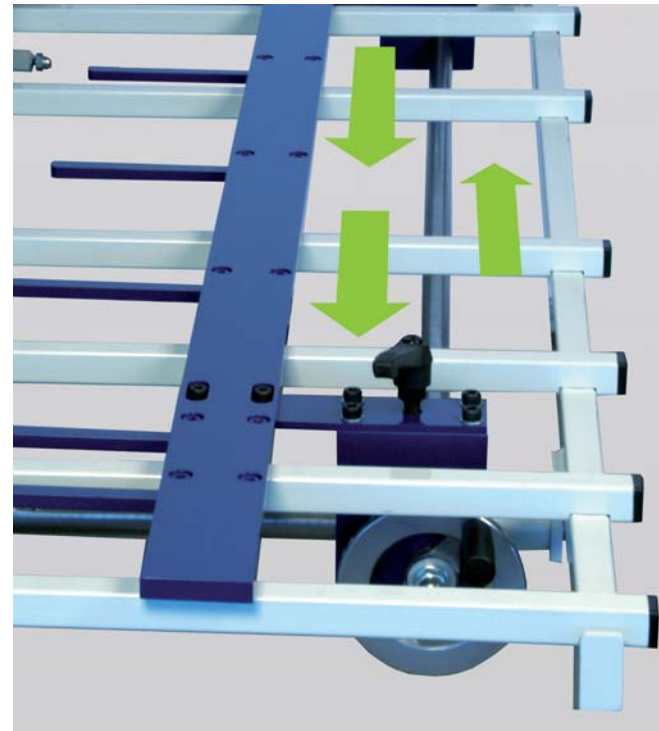


Effective use of muscle strength

AKV - A simple name for a top-quality machine: The „AKV“ is one of the most powerful hand-operated folding machines ever built.

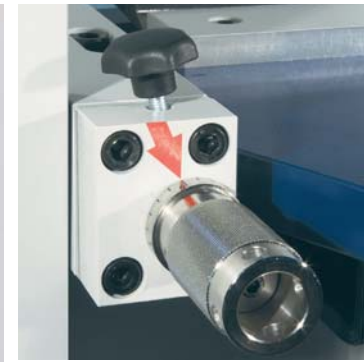


Use of sharp-nose or segmented tools up to 90 mm by manual height adjustment of the clamping beam. The bending angle will be adjusted on the angle gauge.



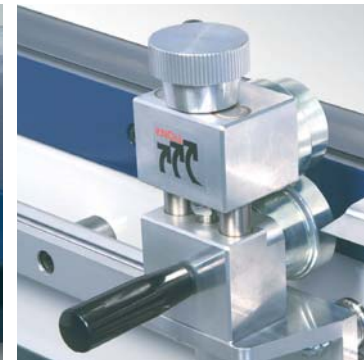
Back gauge and sheet support table with movable and removable supporting rail.

Adjustment of the folding beam via knurled nut and scale depends on the sheet to be worked and the desired folding radius.



The pneumatic bending support is controlled by a finger lever on the folding beam handle. A pneumatic cylinder assists the operator in bending the piece. You only need compressed air supply.

The profiling and flattening wheels are used to give the piece the required shape.



The cutting device is used for safe and easy cutting of ST37 sheets with a material strength of up to 0.8 mm.

With the AKV machine, Hans Schröder Maschinenbau relies on a robust, generously dimensioned all-steel design, which not only guarantees stability and longevity by their rigidity but also adds to high precision and a great scope. Thanks to its maintenance and wear-free guides as well as its machine components, the AKV is virtually indestructible in daily use.

The clamping and folding beam weights are telescopically balanced over the whole angle range. The clamping beam works on the eccentric principle, which permits safe clamping and a quick change of position.

Mechanical precision and folding technology offer possibilities for the most difficult demands. The standard tools can help to fulfil highly variable working options as well.

Highlights at a glance

- Variable clamping beam range up to 90 mm for goat's foot tools
- Quick and easy adjustment of folding beam
- Extremely low tool costs
- Adjustable angle gauge 0 - 180°
- The inclined clamping beam offers 50 mm clearance on the backside (not in combination with fast eccentric clamping device)
- Center bearing for bottom beam
- Ergonomic working height of 930 mm

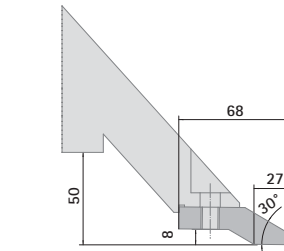
Function upgrade and support

As optional extras a manual back gauge (finger gauge) is available (10-750 mm) and with it a sheet support table with movable and removable slugs. A back gauge with a min. stop depth of 6 mm is available on request. Other options include a pneumatic bending support as well as a foot.

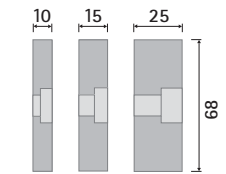
Profiling and flattening wheels as well as the cutting device that includes linear guides for material thickness ST37 up to 0.8 mm are also very popular.

Tools

Standard tools

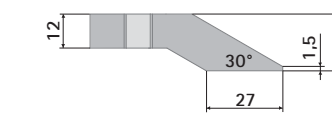


Clamping beam tools
Tinsmith blade 30°, R 1,5, clearance 8 mm, foot width 27 mm, directly screwed to clamping beam

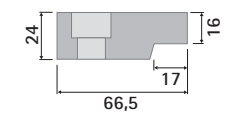


Folding beam tools
Folding blades 10 and 25 mm, from AKV 3200: 15 and 25 mm

optionally without extra charge:

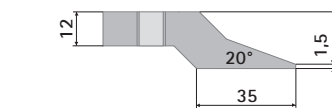


Sharp-nose blade 30°

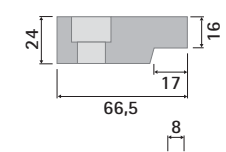


Bottom beam tools
One-piece rail

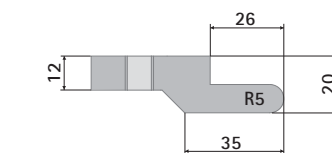
Optional extras



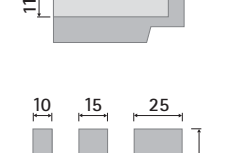
Sharp-nose blade 20°



Bottom beam blade
66,5 x 24 mm with milled slots (in case of subsequent order, blade has to be ordered separately)

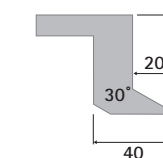


Radius blade 180°, R2/R3/R4/R5/R6/R8/R10

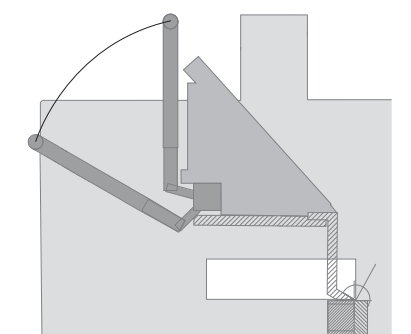
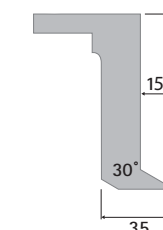


Folding blades
10, 15 and 25 mm

Goat's foot blade, 30°, sharp, 50 mm high, foot width 40 mm, segmented incl. corner parts, 1 100 N/mm²
With ordering ex. works: fast eccentric clamping device incl. (With subsequent order only adaptor rail applicable)

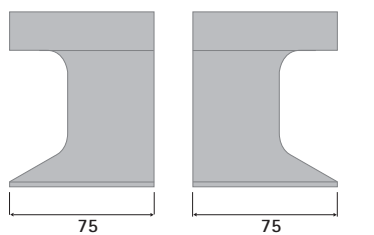


Goat's foot blade, 30°, sharp, 90 mm high, foot width 35 mm, clearance 15 mm, segmented incl. corner parts, 1 100 N/mm²
With ordering ex. works: fast eccentric clamping device incl. (With subsequent order only adaptor rail applicable)



Fast eccentric clamping device

Corner parts



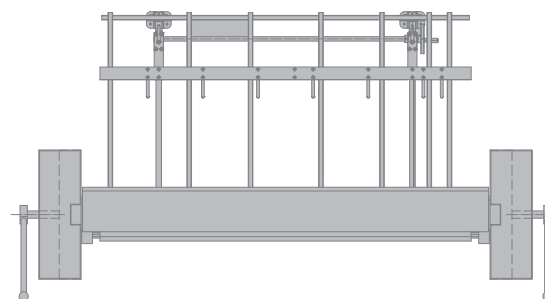
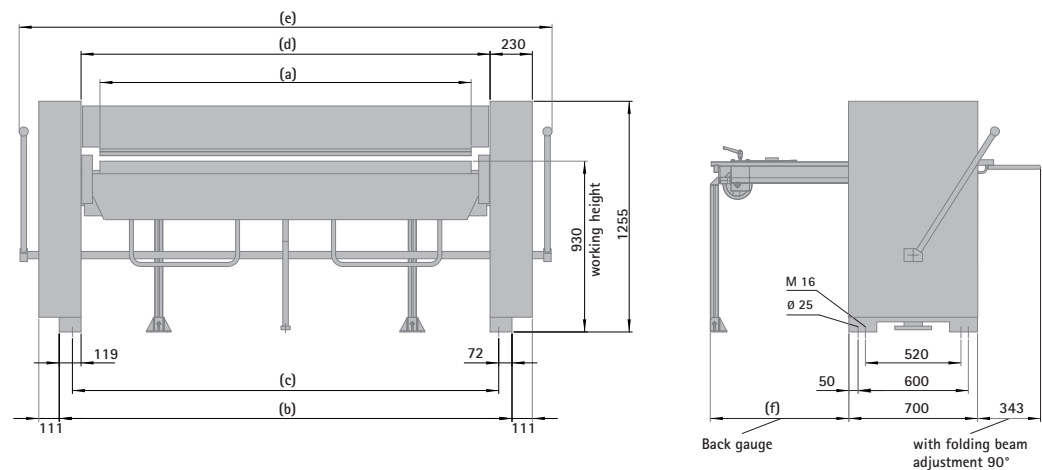
Example: Segmentation of goat's foot blade



Technical data

AKV		1 000 x 3,0	1 500 x 2,5	2 000 x 2,0	3 200 x 1,25	4 000 x 1,0
Working length (a)	mm	1 020	1 520	2 020	3 220	4 020
Sheet thickness (400 N/mm ²)	mm	3,00	2,50	2,00	1,25	1,00
Machine height	mm	1 255				
Weight basic machine	kg	1 010	1 220	1 410	2 100	2 250
Length (b)	mm	1 464	1 964	2 464	3 664	4 464
Length (c)	mm	1 320	1 820	2 320	3 520	4 320
Length (d)	mm	1 226	1 726	2 226	3 426	4 226
Total length (e)	mm	1 900	2 400	2 900	4 100	4 900
Back gauge 750 mm (f)	mm	730				
Back gauge 750 mm with sheet support table (f)	mm	754				
Clamping beam stroke	mm	110				
Folding beam adjustment	mm	30				

Subject to change without notice.



Standard colour:
RAL 7035 Light grey
RAL 5003 Sapphire blue
Special painting at an extra charge.



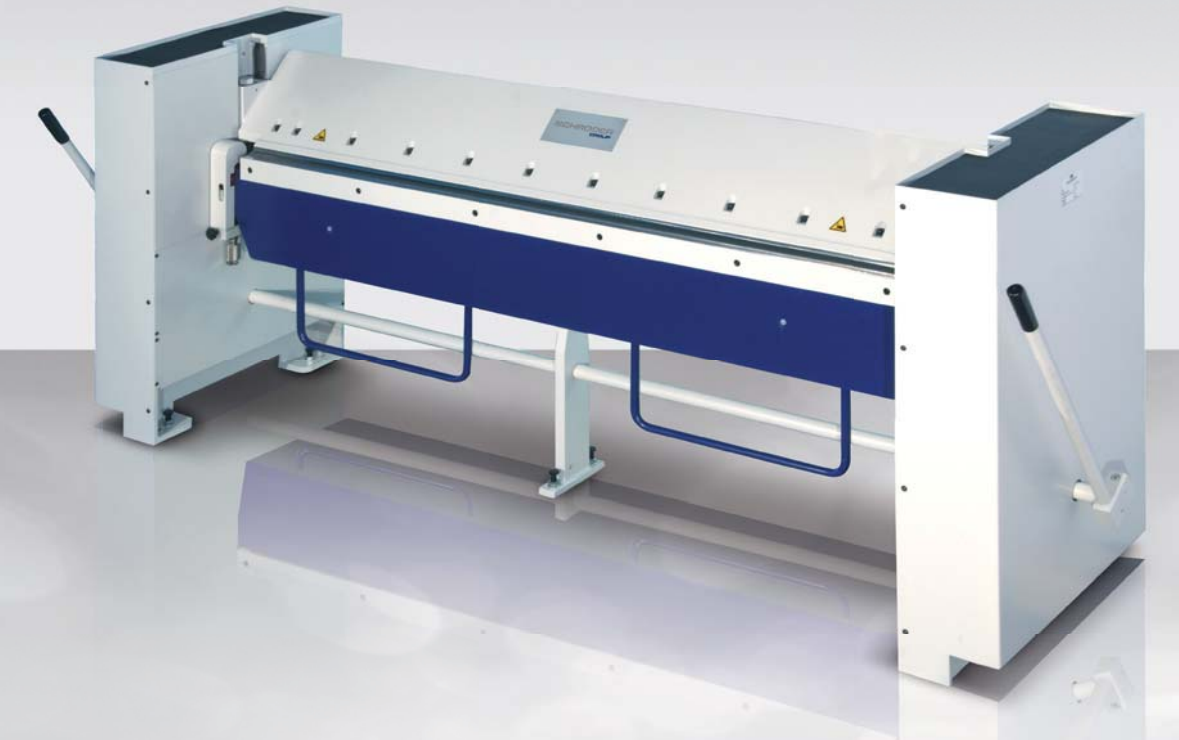
SCHRÖDER
GROUP

Schröder Group

The Schröder Group consists of Hans Schröder Maschinenbau GmbH, which is located in Wessobrunn, Germany, and SCHRÖDER-FASTI Technologie GmbH, which is located in Wermelskirchen, Germany.

Founded in 1949, Hans Schröder Maschinenbau GmbH unifies traditional and modern approaches in machine building: Successfully managed as a quality and customer-oriented, family-owned company, Hans Schröder Maschinenbau is specialized in the development of modern machine concepts for bending and cutting sheet metal.

The successful integration of the Fasti Company in 2006 and its worldwide presence make the Schröder Group one of today's leading providers of machines for bending, cutting, beading, flanging, and circular bending all types of sheet metal. The company's precision machines range from proven solutions for craftsmen to innovative, high-performance machines for automatic industrial production processes. Overall, the Schröder Group currently employs more than 240 people at various locations at home and abroad.



All information provided as a guide only
and subject to change at all times.
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SCHRÖDER
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MANUAL UNIVERSAL FOLDING MACHINE

AKV