

MANUAL BENDING

MACHINES FOR UNIVERSAL SHEET METAL PROCESSING
AT JOB SITES OR ON THE SHOP FLOOR



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ENGINEERING CONSULTANTS

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SCHLEBACH, CLADDING MACHINERY, SAFETY, G.A.D.E., COLLINES, BRE
MING, NEW AND USED MACHINERY, SCHECHTL, GUILLOTINES, PROJECT CO
WORLDWIDE, PROJECT CONSULTING, G.A.D.E., ELECTRICAL MA
G.A.D.E. SERVICE, PAH-
APPLICATION ENGINE
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CYLASER, VARIOBEND
SCHLEBACH, CLADDING MACH
G.A.D.E., COLLINES, BREAKDOWN, PRESSBRANES, CYLASER, OPERATOR TRAINING, NEW AND USED MACHIN
GUILLOTINES, PROJECT CONSULTING, G.A.D.E., ROBOTS, LASERS, SLITTING CUT TO LIGHT LINES, SAF
G.A.D.E. ELECTRICAL MAINTENANCE, OPERATOR TRAINING, NEW AND USED MACHINERY, SCHECHTL, I
PUMP SERVICE, PAH-BRANES
APPLICATION ENGINEERING, W
WJS, SAFETY, G.A.D.E. P
CLADDING MACHINERY, WJS, PRESSBRANES, J
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MEDICAL BUILT MACHINERY
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2019

 **SCHECHTL**

WE TRULY GO THE DISTANCE TO HELP YOU GET AHEAD

PIONEERING SPIRIT AND INNOVATION.
BORN OF PASSION FOR THE SHEET METAL TRADE.

WE PLACE A HIGH PRIORITY ON THE SUCCESS OF OUR CUSTOMERS.

At Schechtel, we aim to find ideas and solutions that make life easier for those who work in the sheet metal trade.

And it's been this way since the very beginning. Since then, this aspiration has given rise to numerous innovations: from the invention of swivel bending technology to mobile data transfer for finished edge profiles.

Founded in 1910 as a simple smithing outfit and guided by loads of pioneering spirit, Schechtel now ranks among the world's leading manufacturers of swivel bending machines and squaring shears for the processing of thin metal sheets.

THANK YOU FOR YOUR CONFIDENCE

Very high quality, incredible durability, and outstanding reliability – that's what generations of clients in Germany and abroad have said about our products. While we're extremely honored by these words, they also motivate us to keep our standard of quality at a high level.

That's why we not only invest in technology, but also in creating an atmosphere of positivity and trust as well as in the knowledge of our employees. Because ultimately, the thing that truly helps a business get ahead is the commitment and competence of the people who determine its path. Satisfied employees are more committed, a fact that our customers can observe daily.

LOYALTY COUNTS

We take our seal of quality ("Made in Germany") very seriously. We produce and assemble all of our machine parts exclusively in Germany. Our commitment to our location is also particularly evident in our close, longstanding ties to partners and suppliers in the region.

Schechtel is a family business, owner-operated for over 100 years and now in its fourth generation.

A combination of healthy growth and strong economic stability means that our corporate development strategy is geared towards the long haul.

Maria Schechtel

Maria Schechtel
Managing Director



PRODUCT FINDER

THE RIGHT COMBINATION OF WORKING LENGTH, BENDING CAPACITY AND DEGREE OF MOBILITY WILL HELP YOU FIND THE MANUAL BENDING MACHINE TO SUIT YOUR NEEDS.

1. HOW OFTEN DO YOU PRODUCE CLOSED FORMS, BOXES, CASSETTES AND THE LIKE?
2. WHICH MAIN TYPES OF WORK DO YOU MAINLY DO AT JOB SITES?
3. WHICH TYPES OF BENDING ARE REQUIRED ON THE SHOP FLOOR?
4. WHAT MATERIAL TYPES AND THICKNESSES DO YOU MOSTLY PROCESS?

- Specialist for manual segment bending: → **TBS, UK, UKV** and **UKF** (pages 13 – 19)
- When mobile bending is required: → **LBX, TBX, LBT, TBS** (pages 7 – 13)
- Multi-talented models for single-piece construction and small series: → **UK, UKV, UKF, SB, KS, KSV, HBM** and **HA** (pages 16 – 23)
- Compare with the product finder, the range of accessories and the technical specification (pages 24 – 29)

Areas of application	Job site				Segment bending			Shop floor				
	LBX	TBX	LBT	TBS	UK	UKV	UKF	SB	KS	KSV	HBM	HA
Machine type												
Working length												
2x550								1.00				
1040		0.80		0.63	1.50	2.00	1.50		2.00			3.00
1250				0.63	1.25	1.75	1.50					
1290			1.00									
1540						1.50	1.50		1.50			2.50
2040	0.63					1.00	1.00		1.00	1.50		2.00
2540	0.63									1.00	1.00	1.50
3100	0.63										1.00	1.50
4040												0.80

Bending capacity for steel 400 N/mm²



JOB SITE

Sturdy packages, mobile and versatile. For universal use at the job site.



SEGMENT BENDING

Complex forms, lighter than ever before. Intelligent segment bending. Easy and saves time.



SHOP FLOOR

Extraordinary bending performance without electrical current. Huge amount of free space for daily requirements on the shop floor.

*Taken care of it on the spot:
better to be repaired while on
building site than long trips
back and forth*

*Brilliant linings that you'll
want to show off - attractive
and noble eye-catchers*

LBX



TBX 100



LBT 125



TBS



*The small device can be taken
along anywhere: bend sheets directly
on the construction vehicle -
fits always and everywhere*

*No sheet at the job site
remains unprocessed -
excellent work starting
with the foundation*

MASTERFUL MOBILE AT THE JOB SITE

THE MOBILE DEVICES FOR YOUR JOB SITE MANAGE THE TRICKIEST
BENDS AND SAVE YOU EXPENSIVE TRIPS TO THE SHOP FLOOR.

PASSION AND DEDICATION FOR YOUR SUCCESS TECHNOLOGY WITHOUT FRILLS

THIN SHEET METALWORK PROFESSIONALS IN INDUSTRY
AND TRADE WILL FEEL AT HOME WITH THESE MANUAL DEVICES.

"MADE IN GERMANY" QUALITY - ONLY THE BEST FOR YOU

From "manual" to "motorized", sheet metal workers appreciate our consistent orientation to their requirements.

A source of great pride for us: established sheet metal workers and founders of companies go to us to find the most extensive and consistent range of bending machines on the market. Take advantage of our dedication at your job site or on your shop floor.



YOU CAN USE OUR MACHINES FOR THIS AND SO MUCH MORE:

- roofs and exteriors
- wall paneling
- doors, window frames and window sills
- roof gutters and discharge pipes
- machine housing and components
- furniture and shelves
- advertisement boards and light heads
- ovens, air conditioners and boiler coverings
- restaurant and kitchen devices
- transport and technical equipment
- installations for special vehicles
- vending machines
- elevators and staircase paneling
- and much more...

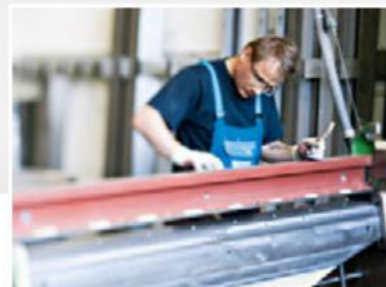
WE HAVE ALWAYS FIRST ASKED OUR CUSTOMERS WHAT THEY NEED

And this is what has come of it:

- one-man operation on every machine – it saves you from expending too much energy and protects your health at the same time
- sturdy steel construction guarantees an extra long machine life
- quick and lively technology will save you time, making you more economical in the long-term

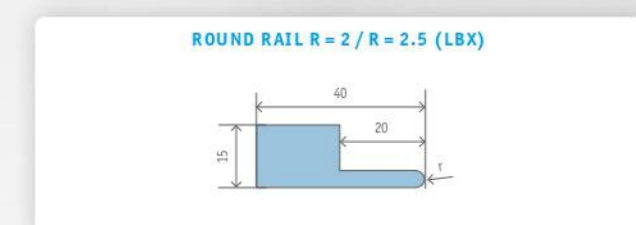
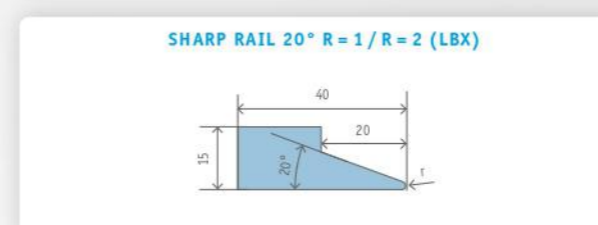
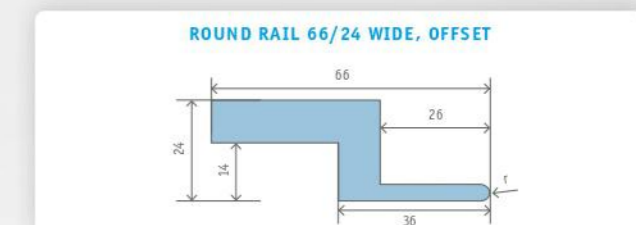
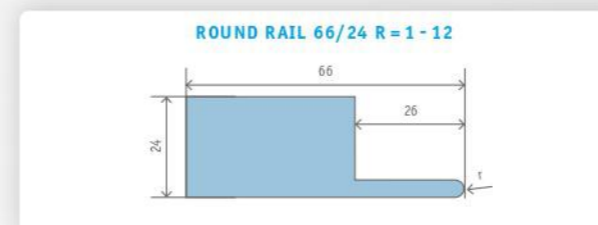
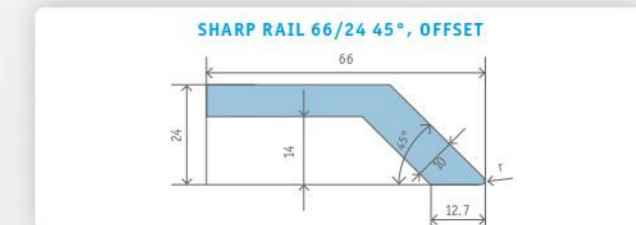
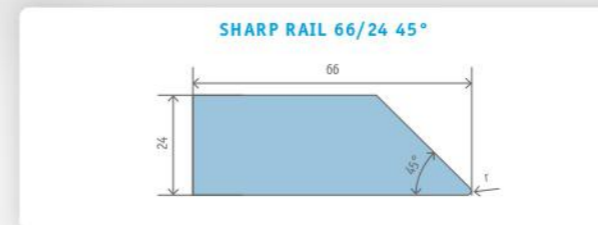
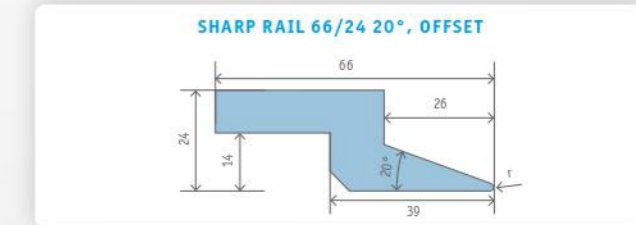
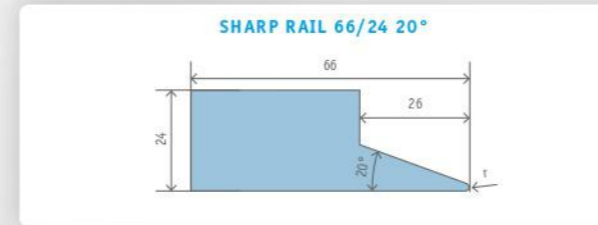
- maintenance-free bearings ensure that everything runs smoothly
- stability down to the last detail - you can rely on it
- high-quality accessories make work much safer and more comfortable
- and much more...

The list of our passions is in every Schechtl machine. It has only one goal: Your long-term success.



PROFILE RAILS FOR MANUAL BENDING MACHINES

THE RIGHT RAIL FOR ANY CHALLENGE.



THREE STRONG MODELS FOR YOUR JOB SITE

LONG. LIGHT. HIGH-PERFORMANCE.



TOP VALUES FOR CEILINGS AND EXTERIORS

The three **LBX models** are perfectly suited for 90% of all manual bending work on ceilings and exteriors. All three machines achieve identical, optimal bending values for every type of material. All you need to do is to decide which working length is ideal for your requirements.

covers
90%
of all manual
bending work

BENEFITS

THE PRINCIPLE OF STURDY LIGHTNESS

Technology you can count on:
Technology from Schechtel is always economical, durable and convenient.

- user-friendly:
1 worker is enough to execute all bending work in an ergonomically safe manner and with professional precision with the **LBX models**.
- easy to carry:
2 workers are enough to move the **LBX 200/250** to a new location at a job site – no crane needed.

TECHNICAL FEATURES OF THE LBX 310

HERE YOU CAN SCORE POINTS WITH LENGTH

If you want to process thin sheets with 3 meters of working length, use the **LBX 310**. This model is optimally equipped as a central bending station at the job site. And, like the smaller devices, it achieves optimal bending values with different materials and material thicknesses.

The obvious decision for 3 meter folds at the job site.

TECHNICAL FEATURES

ALWAYS HAVE EVERYTHING YOU NEED AT THE JOB SITE

- weight balancing of the clamping beam
 - smooth and efficient operation
 - holds the clamping beam up at every opening height
- bending beam with manual crowning system – good, uniform bending result throughout the entire working length
- upper rail can be exchanged for different materials and material thicknesses
- wear- and maintenance-free roller bearings
- optional:
 - back gauge 500 mm or 750 mm with back gauge stop bar
 - roller shear
 - rolling unit and rods with different diameters and lengths

TECHNICAL FEATURES OF THE LBX 200 AND LBX 250

HERE YOU CAN SCORE POINTS WITH FLEXIBILITY

LBX 200 and **LBX 250** are optimal prepared for various locations at the job site.

- machine support stands
 - standard support stand with steerable wheels for convenient transport at job sites
 - available also with short "feet" (truck support stand) – ideal for installation on a work bench or in a construction vehicle
- a two-person job – that's all you will need to move the machine around the job site without any extra tools



Truck support stand

LBX 310



LBX 200 • LBX 250



SUITABLE FOR EVERY JOB SITE

MAXIMAL MOBILITY. EXTREMELY LIGHT. READY TO USE IN SECONDS.



USE

QUICK AND EASY IN THE RIGHT PLACE

- ideal for frequently changing job site places
- ideal for work in upper floors
- ideal for work on ceilings and scaffolding
- ideal for one-day job sites

BENEFITS

LIGHT AND FLEXIBLE

- Lightweight for the job site, can be carried by one worker
- The **TBX** (without X-shaped support stand) can be installed on a workbench or in a construction vehicle
- Foldable X-shaped support stand with wheels and handle (available as an option)
- Set up – secure – you're ready to go
- Attachable roller shears (optionally available)
- Durable steel construction – optimally suited for everyday work at the job site
- Clamping pressure adjustable – good, uniform bending throughout the entire working length

TECHNICAL FEATURES

AS PERFECT AS THE LARGER MODELS

- bending beam with manual crowing system – always the right pretension for the material and material thickness
- wear- and maintenance-free roller bearings



USE

ALWAYS IN USE WHERE THEY ARE NEEDED

- ideal for frequently changing job site places
- ideal for one-day job sites
- ideal for sites that change on short notice
- ideal for work in upper floors

BENEFITS

MOBILE, VERSATILE, CONVENIENT

- flexible for switching sheets – sharp rails can be exchanged in the clamping beam
- clamping pressure adjustable – uniform bending result throughout the entire working length
- smooth operation due to weight balancing of the clamping beam
- machine support stand can be removed for convenient transport
- steerable wheels with stop mechanism - stable thanks locking lever

TECHNICAL FEATURES

BENDING, CUTTING AND BEADING – ALL IN ONE MACHINE

- different sheet thicknesses possible – clamping beam rail can be exchanged
- bending beam can be lowered, pretension can be adjusted
- rolling unit
- rolling rods (optionally available)
- roller shear (optionally available)

VERSATILE, FLEXIBLE AND MOBILE

The **LBT 125** is also a lightweight – it only weighs 85 kg including the machine support stand and rolling unit. It can therefore be moved around the job site easily and is as sturdy as a larger model.

TBX 100



TBX with foldable X-shaped support stand (optionally available)

LBT 125



CLEVER SEGMENT BENDING – COMPLEX FORMS MADE EASY

EASY AND SAVES TIME. NO TOOLS NEEDED.

BENEFITS

COMPLEX FORMS MADE EASY - IN ONE WORK CYCLE WITHOUT CONVERSION TIME

Segment bending machines are equipped with segmented rail system. The bending rail consists of individual segmented tools. Clever combination and the free space between the segmented tools make it possible to bend workpieces on all sides. You can use it to produce tricky and complicated forms quickly and easily.

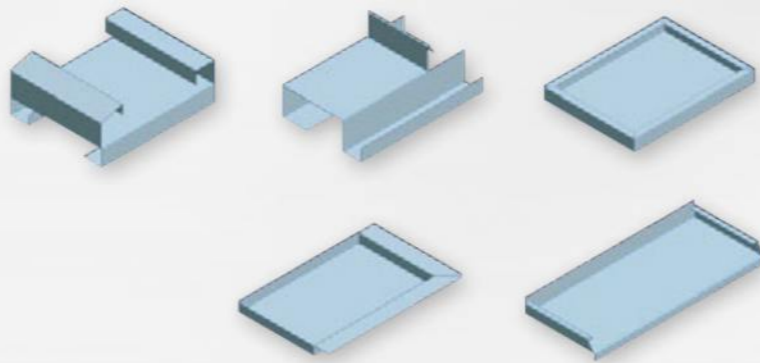
You can lay out several segment stations next to each other and implement successive work steps rationally and without conversion time, all in one machine and in one work cycle.

THE QUICK CLAMPING SYSTEM INCREASES PRODUCTIVITY IN SECONDS

The manual bending machines from Schechtl are equipped standard with the patented quick clamping system on the clamping, lower and bending beam. The concept makes it very simple to rearrange tools. Tried and tested thousands of times in practice. As you neither need tools or screws, you gain valuable time and increase productivity.

THE VARIETY OF FORMS IS ENORMOUS

Elaborate box forms, special forms, samples and window sills are easy to produce in an efficient way.



MOBILE LIGHTWEIGHT AT THE JOB SITE

AGILE AND MOBILE. EASY HANDLING.

SEGMENT BENDING

JOB SITE



BENEFITS

BOXES, CASSETTES AND THE LIKE IN ONE WORK CYCLE

- rational and productive – all segments can be adjusted without tools
- The TBS masters even 25 mm and 35 mm rollformed seams for eaves and ridge folds
- with the TBS, sheet metal workers avoid any "surprises" at the job site and can work completely self-sufficiently in profile production

CONVENIENCE

EFFORTLESS ON THE JOB SITE

- 1 worker alone can easily transport and operate the TBS
- The TBS (without X-shaped support stand) can be installed on a workbench or in a construction vehicle
- Foldable X-shaped support stand with rollers and handle (available as an option)
 - Stable and convenient to transport
 - Simply pull it behind you like a roller suitcase
- Reduce transport weight – segments are transported in a separate box where they are stored safely and optimally protected



TECHNICAL FEATURES

- all beams have 40 mm free space of movement
- the clamping beam only has a 45 degree flat slope – this offers additional free space for refined seamed profiles with long limbs
- the roller shear is a useful accessory for cutting sheets directly on the machine (optionally available)

TRANSPORTABLE. JOB SITE. SEGMENT BENDING.

Your area of application spells out the TBS. The smallest of the manual segment bending machines in the Schechtl range is huge when it comes to its flexibility on the job site.

Thanks to its small dimensions, you can easily move the TBS on the job site, as well as between floors, on scaffolding and in small areas.

TBS



TBS with foldable X-shaped support stand (optionally available)

It's been in business for a long time - no other can challenge it. Its specialties are special forms and anything round

Really sharp so you can cut well before bending

It takes care of all boxes and cassettes and feels at home in any special segment

EXTREMELY FLEXIBLE ON THE SHOP FLOOR

EVERYTHING A SHEET METAL WORKER'S HEART DESIRES. FROM SIMPLE TO TRICKY - YOU CAN GET THE PERFECT FORM WITH OUR MANUAL DEVICES.

UK



UKV



UKF



KS/KSV



HBM



HA



TWO, WHO LIKE TO SHARE - STRONG SPECIALISTS FOR THE SHOP FLOOR

THE SPECIALISTS FOR TRICKY TASKS.

HIGH QUALITY FOR SPECIAL FORMS

Two manual bending machines master tricky special designs as well as everyday supplemental bends on workpieces, boxes, cassettes requirements.

The **UK** and the stronger **UKV** are your specialists for closed special forms. The segments are cleverly positioned, and several work steps are completed without conversion time. The rational work flow is maintained while conversion of the motorized machines becomes unnecessary.

The **UK** and **UKV** are ideal for single-piece production and small series as well as prototype construction in the trade sector.

proven
10.000
times

BENEFITS

ADJUSTMENT WITHOUT TOOLS - A HUGE ADVANTAGE FOR SAFETY, PRECISION AND SPEED

- clamping, lower and bending beam with patented quick clamping system is standard
- combine and rearrange any segments in a flash – without using tools and screws
- intelligent segment combination of several work steps can be executed in a rational manner without conversion time
- take out individual tools – this creates free space between the segments for closed workpieces



High clamping beam segments



Adjust bending angle with scale and lever



Use storage box as work surface (without back gauge)

TECHNICAL FEATURES

COUNTLESS PRACTICAL DETAILS MAKE EVERYDAY WORK EASIER

- Adjustments without tools – a huge advantage for safety, precision and speed.
- lower bending beam with hand wheel and scale
- set clamping beam pressure with a lever
- equipped with wheels, the **UK** (standard) and the **UKV** (optional) – can be set up at any point in your production
- standard foot pedal – hands-free work throughout the entire production process
- segments not currently in use can be easily stored in a storage tray located above the clamping beam
- the storage box for all segments is located in a space-saving location under the back gauge, or can be used as a tool tray in the standard model

ACCESSORIES

OPTIONAL ACCESSORIES

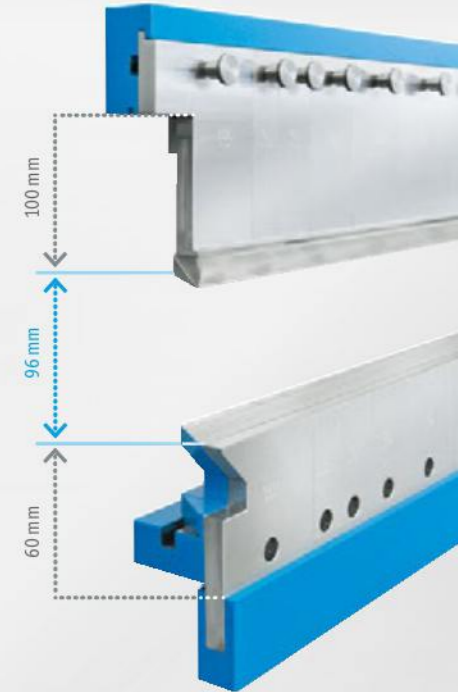
- high clamping beam segments 140 mm + 160 mm (**UK + UKV**) 180 mm (**UKV** only) (Standard = 100 mm)
- clamping bar segments with 2 mm and 3 mm radius, zinc and aluminum can be bent more gently due to the larger curve
- various back gauge systems
- inserts for producing windowsills
- roller shear
- wheels with chassis (**UKV**)



UK/UKV back gauge (aluminum T-slot)



UKV back gauge (spur rack)



UK POWER



UKV MORE POWER



THE ONE WITH EXTRA HIGH SEGMENTED TOOLS – FREE SPACE XXL

DOUBLE AMOUNT OF FREE SPACE FOR LARGE SPECIAL FORMS.

ALL THE QUALITIES OF THE UKV – ONLY MUCH BIGGER! NEW PEAK PERFORMANCE IN MANUAL SEGMENT BENDING.

The "F" stands for "flexible". With larger dimensions and countless benefits, the **UKF** is the perfect pick: the **UKF** has room for 160 mm- and 180 mm-high segmented tools on the clamping beam. The segmented tools of the lower and bending beam are 120 mm-high, these are **100% more free space**. The working height was increased by 160 mm compared to the **UKV**. Large-format sheets can be processed with better ergonomics.

BENEFITS

SAVE MONEY AND MAKE PRODUCTION MORE CONVENIENT:

The extreme free space makes it possible for sheet metal workers to create larger closed forms. In addition, there is more flexibility and throughput in the workflow.

Higher segments are often special tools on other machines. What needs to be manufactured separately on those machines is standard with the **UKF**.

The **UA 125** universal back gauge table expands the spectrum for recurring profiles in particular. The back gauge table is equipped with wheels and can be used on several **UK** models.

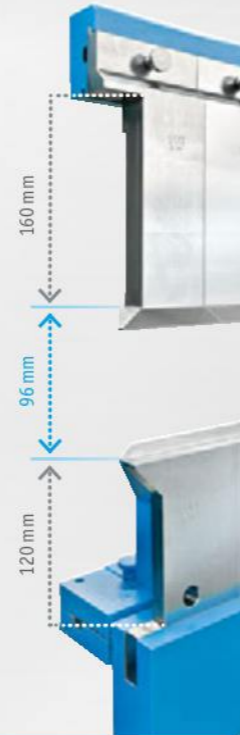
ACCESSORIES

OPTIONAL ACCESSORIES

- 180 mm-high segments for the clamping beam (standard = 160 mm)
- segments for the clamping beam with 2 mm or 3 mm radii, zinc and aluminium can be bent thanks to the larger curve
- **UA 125** universal back gauge table
- rolling device (wheels) for **UKF**



Special series in a work cycle, mobile **UA 125** universal back gauge table for sheet control



UKF



THE SHINGLE SPECIALIST FOR SMALL AND LARGE SERIES

FAST AND EFFECTIVE. BRILLIANTLY EASY.

SEGMENT BENDING

SHOP FLOOR

BENEFITS

SHINGLES, RHOMBUSES AND THE LIKE ON TWO SIDES IN ONE OPERATION

- formats such as shingles or rhombuses can be processed in dimensions of 20 - 50 cm bending length
- special round rails with a 1.25 mm radius on both clamping beams enables the bending of hems in one operation

CONVENIENCE

EASY OPERATION

- one worker alone can operate the machine through the unique bending beam segments with an ergonomic working height and practical foot pedal
- precise and repeatable positioning of the flat patterns with the standard back gauge
- due to the special design, 24 conventional working steps are reduced to only 8 – you save approx. 70% of your time

TECHNICAL FEATURES

- two accurate 180° edges in one operation
- hems without additional pressing
- repeatable work processes with two bends on two sides in one operation
- 100 mm free space on upper beam with special round rails in radius 1.25 mm
- segmented lower beam with 20 mm free space

SERIES PRODUCTION IN THE SEGMENT BENDING FIELD

The advantages of the **SB** speak for themselves

- ✓ manually
- ✓ mobile
- ✓ cost-efficient
- ✓ repeatable accuracy



SB



DUO WITH EXTRAORDINARY CAPABILITIES

THE VERSATILE PROGRAM FOR CREATIVE PROFILES.



IT BENDS AND BENDS AND BENDS KS – THE BEST-SELLING BENDING MACHINE IN THE WORLD

One device for all tasks. Profit from the many cutting-edge innovations from over 50 years of experience that are part of this machine. The KS model – from bending technology pioneer Konrad Schechtel – is the most popular classic device of all manual bending machines for the metal sheet work trade. Sheet metals workers swear on it. We would like to thank you for more than 25 thousand machines sold.

BENEFITS

THE ULTIMATE MACHINE FOR SHEET METAL WORKER – SAVES COSTS DUE TO ITS VERSATILITY

- very individual and extraordinary profiles can be implemented for roofs and exteriors
- optimized for diverse materials and material thicknesses
- profiles with long limbs – the tried and tested principle of railroad tracks and additional lateral notches

EXTENSIVE ACCESSORIES

- special rails, offset rails, rolling unit and rolling drum can be used (optionally available)
- various back gauges for special requirements (optionally available)

TECHNICAL FEATURES

ONE OF THE BEST ADJUSTABLE, MANUAL BENDING MACHINES ON THE MARKET

- maximum bending free space on the clamping beam
- adjustable pretension for maximal bending precision on the clamping and bending beam
- reinforced lower beam – best results during hemming

QUICKER AND MORE PRECISE WAY TO ACHIEVE RESULTS: ERGONOMIC, SAFE AND EASY

- high working comfort – back friendly working conditions
- very wide foot pedal made for hands-free work and a high operating safety
- clamping beam is driven via dual eccentric – extremely light weight and force balancing mechanism
- manual lowering and setting of clamping pressure

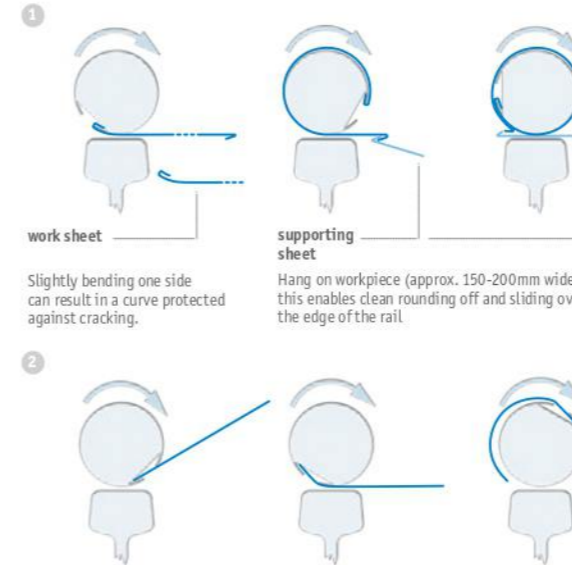
Winner of several awards!

KS/KSV



KSV image

ROUNDING



Production of discharge pipes ① and roof gutters ② very easy and right on the bending machine. To do so, rolling drum with different diameters are inserted into the special receptacle on the upper part of the machine support.



BEADING

Reinforcement of workpiece ends and box forms by beading the edges. For convenient beading directly on the bending machine, the bending beam is first fastened on the machine support with a horizontal strut. Then the rolling unit is simply placed on the bending beam and locked on.



	ROUNDING			BEADING
	nominal size	cut width incl. 2x7mm seamed profiles	roller size Ø	rolling rod size Ø
down pipes	70	240	60	-
	80	280	70	-
	90	305	83	-
	100	333	89	-
	120	400	108	-
roof gutters	nominal size	cut width +1/-2 mm	roller size Ø	rolling rod size Ø
	200	200	76	13-14
	250	250	89	14
	285	285	95	14-15
	333	333	108	14-16
	400	400	121	18-20
500	500	140	18-20	

POWER – EVEN WITHOUT ELECTRICITY – FULL SPEED AHEAD

WELCOME TO THE BIG LEAGUES OF MANUAL BENDING MACHINES – YOU CAN'T GET ANY MORE WITHOUT A MOTOR.

LARGE PLAYGROUND FOR SHEET METAL WORKERS, ROOFERS, EXTERIOR CONTRACTORS

Where it is impossible or inadvisable to use motorized machines, the HBM and HA are two particularly economic alternatives in the upper performance class of manual bending machines. You don't have to do without power, precision and variety of application.

BENEFITS

THESE CHAMPIONS ARE REALLY TOUGH – TWO CONVENIENT ALTERNATIVES FOR APPLICATION WITHOUT LIMITS

- can be used anywhere without electrical connection
- wear- and maintenance-free bearings and guides

- can be used by anyone, nearly impossible to break
- one-man operation without expenditure of force

- workpiece clamping with large foot pedal – hands-free operation for triggering bending and a high level of operational safety

TECHNICAL FEATURES OF THE HBM

EXTREME FLEXIBILITY AT 3 METER WORKING LENGTH

- support grid with single stones – precise positioning of large-format workpieces
- snap-in bending angle – precise repeatable bending for small series and recurring single-piece production
- great free space on bending beam profiles with long limbs made easy
- all profile and insert rails can be exchanged on clamping,
- lower and bending beams - the right rail for every material
- simple bending beam adjustment with scale
- rolling unit (optionally available) – can be attached directly to the machine
- various back gauges (optionally available)
- roller shear RSL (optionally available)
- foot pedal

TECHNICAL FEATURES OF THE HA

PRECISE BENDS FROM 1 TO 4 METERS OF WORKING LENGTH

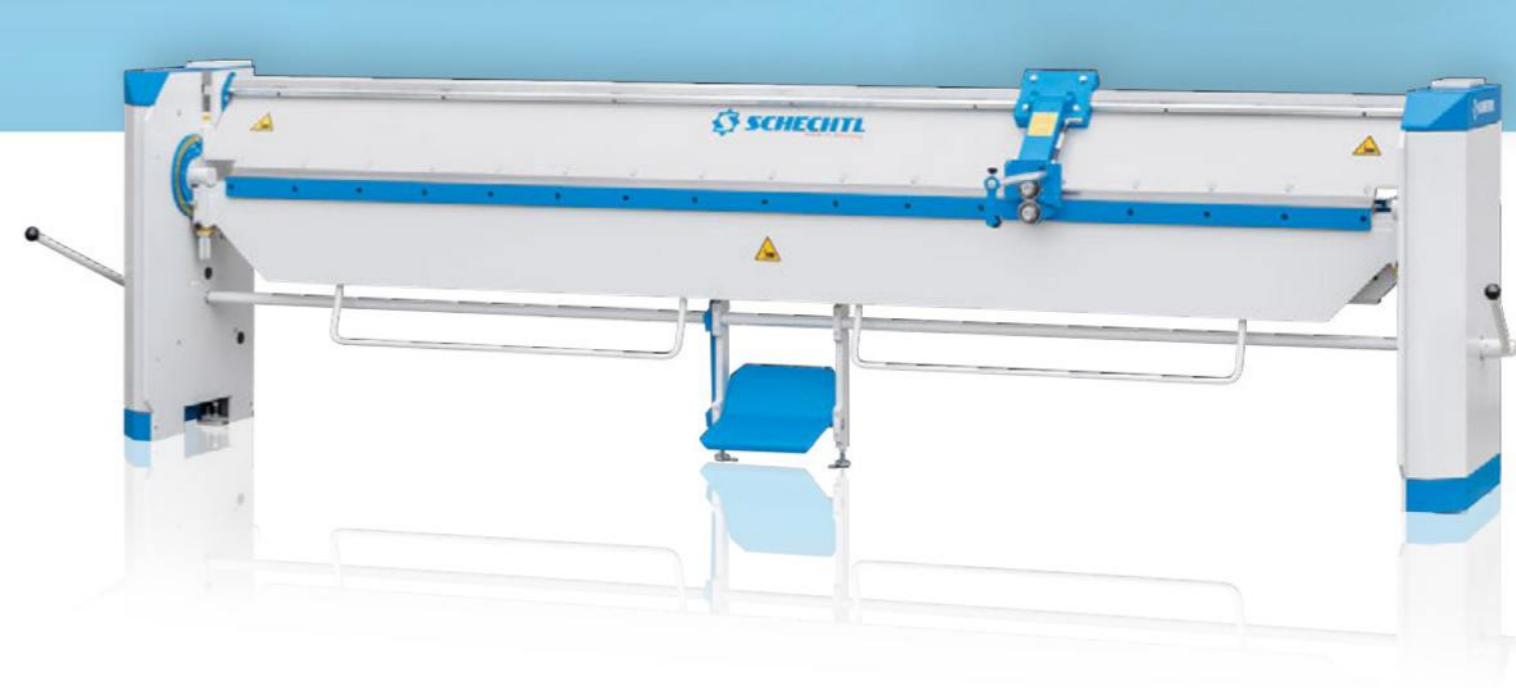
- specially designed for thick sheets and long working lengths
- extremely sturdy and powerful
- ideal for long and thick sheets in extensive exterior construction, particularly flat-roof construction
- tried and tested in repair work as well
- all bending rails can be exchanged – set to any material
- roller shear RSL (optionally available)
- foot pedal
- goats foot tooling (optionally available)
- various back gauges (optionally available)

Highest
performance class
of manual bending
machines

HBM POWER



HA MORE POWER



ACCESSORIES

CONFIGURE YOUR BENDING MACHINE TO YOUR INDIVIDUAL REQUIREMENTS. THE OPTIONAL ACCESSORIES PROVIDE GREATER CONVENIENCE, PRECISION AND SAVE TIME AS WELL.

1 ROLLING UNIT



2 BACK GAUGE WITH SWIVELING FINGER



The manual back gauge is equipped with swiveling fingers and the support grid for large-format workpieces. It transports precise bends throughout the entire working length. Setting the bending length is done manually with the position wheel and measuring scale.

3 X-SHAPED SUPPORT STAND: MOBILE, FOLDABLE, ROLLABLE



4 ROLLER SHEAR HBM + HA/RSL



Simple and space-saving roller shear. The guide rods guarantee precise cutting throughout the entire working length. You can cut sheets directly on the bending machine. This model makes using shears unnecessary in individual cases.

5 ROLLER SHEAR



Roller shear for various manual bending machines.

6 FOOT PEDAL KS/KSV/HBM/HA



Safe and efficient bending, which saves a huge amount of work, especially with recurring bends. Triggering the bending process by pressing the large foot pedal – hands-free and very sturdy.

Areas of application

Job site

Segment bending

Shop floor



ACCESSORIES	LBX	TBX	LBT	TBS	UK	UKV	UKF	KS	KSV	HBM	HA
Roller shear											
Roller shear RSL											
Foot pedal											
X-shaped support stand											
Manual back gauge with aluminium T-slot 500 mm											
Manual back gauge with spur rack 500 mm											
UA 125 - universal back gauge table											
Manual back gauge with swiveling fingers 750 mm											
Rolling unit											
Rolling drum											
Wheels											
Truck support stand											
Segmented tools											
High segmented tools											
Window sill segments											
ADDITIONAL TOOL OR RAIL OPTIONS											
Sharp rail 20°, radius = 1 mm											
Sharp rail 20°, radius = 2 mm											
Sharp rail offset 20°, radius = 1 mm											
Sharp rail offset 20°, radius = 2 mm											
Sharp rail 45°, radius = 1 mm											
Sharp rail offset 45°, radius = 1 mm											
Round rail, radius = 1-12 mm											
Round rail offset width, radius = 1-12 mm											
Angled rail 85°											
Insert rail 10 mm											
Insert rail 14 mm											
Insert rail 24 mm											
Goats foot tooling 93 mm											
Clamping beam segmented tools with 2 mm or 3 mm radius											
Segmented tools for upper beam - height 40 mm											
Segmented tools for upper beam - height 100 mm											
Segmented tools for upper beam - height 140 mm											
Segmented tools for upper beam - height 160 mm											
Segmented tools for upper beam - height 180 mm											

Subject to changes

■ = standard □ = optional

TECHNICAL DATA

PERFORMANCE, DIMENSIONS, AND WEIGHT.

TBX



Model	100
Working length	mm 1,000
Bending capacity	
Steel 400 N/mm ²	mm 0.80
Aluminum 250 N/mm ²	mm 1.00
Stainless steel 600 N/mm ²	mm 0.50
Copper 300 N/mm ²	mm 1.00
Zinc 150 N/mm ²	mm 1.00
Overall dimensions	
Length	mm 1,240
Depth	mm 700
Total height with X-shaped support stand	mm 1,150
Weight	
TBX machine without X-shaped support stand	kg 38
TBX X-shaped support stand	kg 17
Clamping beam opening height	
Height	mm 45

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LBT



Model	125
Working length	mm 1,290
Bending capacity	
Steel 400 N/mm ²	mm 1.00
Aluminum 250 N/mm ²	mm 1.50
Stainless steel 600 N/mm ²	mm 0.70
Copper 300 N/mm ²	mm 1.25
Zinc 150 N/mm ²	mm 1.50
Overall dimensions	
Length	mm 1,909
Depth	mm 740
Total height	mm 1,068
Weight	
LBT with rolling unit	kg 85
Clamping beam opening height	
Height	mm 60

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LBX



Model	200	250	310
Working length	mm 2,040	2,540	3,100
Bending capacity			
Steel 400 N/mm ²	mm 0.63	0.63	0.63
Aluminum 250 N/mm ²	mm 1.00	1.00	1.00
Stainless steel 600 N/mm ²	mm 0.50	0.50	0.50
Copper 300 N/mm ²	mm 0.80	0.80	0.80
Zinc 150 N/mm ²	mm 1.00	1.00	1.00
Overall dimensions			
Length	mm 2,338	2,830	3,475
Depth (only for machine)	mm 650	650	700
Total height	mm 1,075	1,080	1,080
Weight			
LBX	kg 139	210	318
Clamping beam opening height			
Height	mm 60	60	60

Page 8-9

KS



Model	100	150	200
Working length	mm 1,040	1,540	2,040
Bending capacity			
Steel 400 N/mm ²	mm 2.00	1.50	1.00
Aluminum 250 N/mm ²	mm 3.00	2.00	1.50
Stainless steel 600 N/mm ²	mm 1.20	0.90	0.60
Copper 300 N/mm ²	mm 2.00	1.50	1.25
Zinc 150 N/mm ²	mm 3.50	3.00	2.50
Overall dimensions			
Length	mm 1,675	2,175	2,675
Depth (only for machine)	mm 667	667	667
Total height	mm 1,302	1,302	1,302
Weight			
KS	kg 510	610	710
Clamping beam opening height			
Height	mm 100	100	100

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KSV



Model	200	250
Working length	mm 2,040	2,540
Bending capacity		
Steel 400 N/mm ²	mm 1.50	1.00
Aluminum 250 N/mm ²	mm 2.00	1.50
Stainless steel 600 N/mm ²	mm 0.90	0.60
Copper 300 N/mm ²	mm 2.00	1.00
Zinc 150 N/mm ²	mm 3.00	2.50
Overall dimensions		
Length	mm 2,675	3,175
Depth	mm 667	667
Total height	mm 1,302	1,302
Weight		
KSV	kg 870	1,090
Clamping beam opening height		
Height	mm 100	100

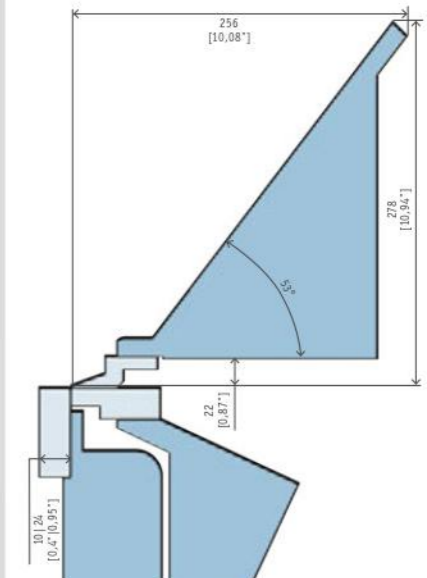
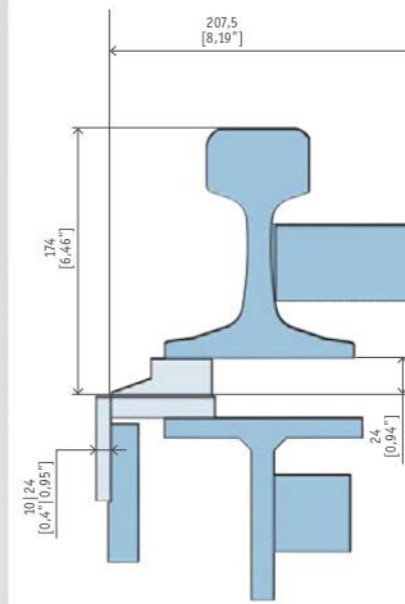
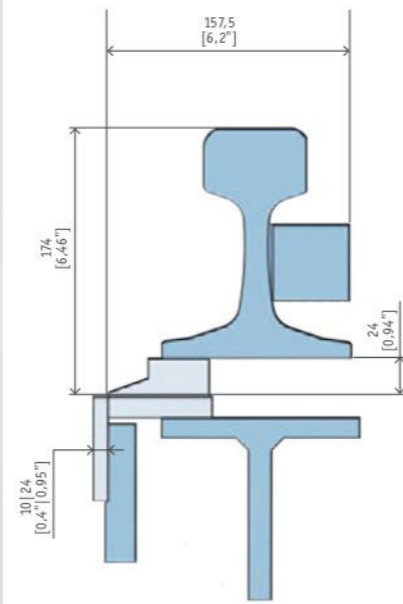
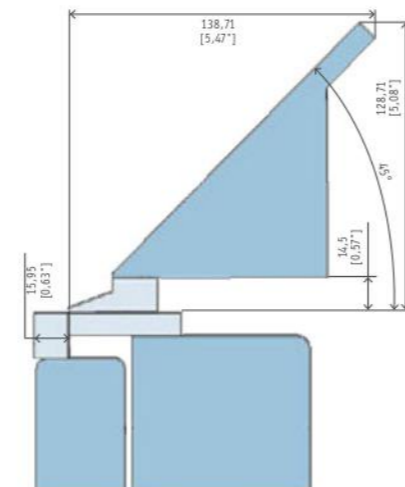
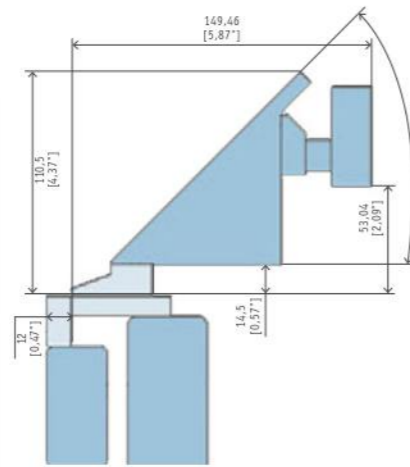
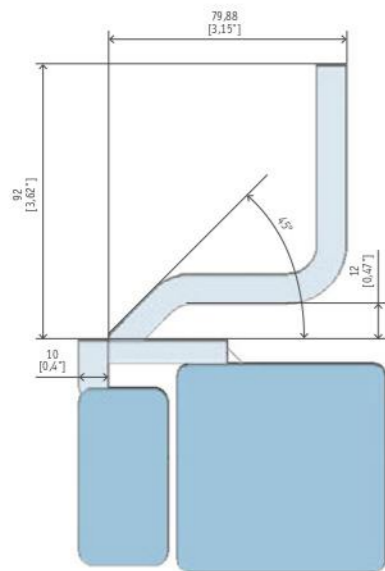
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HBM



Model	250	310
Working length	mm 2,540	3,100
Bending capacity		
Steel 400 N/mm ²	mm 1.00	1.00
Aluminum 250 N/mm ²	mm 1.50	1.50
Stainless steel 600 N/mm ²	mm 0.80	0.80
Copper 300 N/mm ²	mm 1.25	1.25
Zinc 150 N/mm ²	mm 2.50	2.50
Overall dimensions		
Length	mm 3,569	3,998
Depth	mm 750	750
Total height	mm 1,300	1,300
Weight		
HBM	kg 1,290	1,480
Clamping beam opening height		
Height	mm 130	130

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TECHNICAL DATA

PERFORMANCE, DIMENSIONS AND WEIGHT.



HA

Model	100	150	200	250	310	400
Working length	mm 1,040	1,540	2,040	2,540	3,100	4,040
Bending capacity						
Steel 400 N/mm ²	mm 3.00	2.50	2.00	1.50	1.50	0.80
Aluminum 250 N/mm ²	mm 4.00	3.25	2.75	2.00	2.00	1.25
Stainless steel 600 N/mm ²						
mm 2.00	1.50	1.25	1.00	1.00	0.50	
Copper 300 N/mm ²	mm 3.00	2.50	2.50	2.00	2.00	1.25
Zinc 150 N/mm ²	mm 4.00	4.00	3.50	3.00	3.00	2.00
Overall dimensions						
Length	mm 2,049	2,549	3,049	3,549	4,149	5,013
Depth	mm 750	750	750	750	750	750
(only for machine)						
Total height	mm 1,300	1,300	1,300	1,300	1,300	1,300
Weight						
HA	kg 980	1,180	1,380	1,580	1,780	2,230
Clamping beam opening height						
Height	mm 120	120	120	120	120	120

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TBS

Model	100	125
Working length	mm 1,000	1,250
Bending capacity		
Steel 400 N/mm ²	mm 0.63	0.63
Aluminum 250 N/mm ²	mm 1.00	1.00
Stainless steel 600 N/mm ²	mm 0.50	0.50
Copper 300 N/mm ²	mm 0.80	0.80
Zinc 150 N/mm ²	mm 1.00	1.00
Overall dimensions		
Length	mm 1,235	1,369
Depth with X-shaped support stand	mm 698	698
Total height with X-shaped support stand	mm 1,133	1,156
Weight		
TBS machine without X-shaped support stand	kg 84	114
TBS X-shaped support stand	kg 17	17
Partition of segments		
Per 1 corner left + right	mm 100	100
Per 1x30/40/60/70 mm	mm 2x50	1x50
mm 5x100	8x100	
Lower and bending beam segments		
Height	mm 40	40
Clamping beam segments		
Height	mm 40	40
Clamping beam opening height		
Height	mm 45	45

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UK

Model	100	125
Working length	mm 1,000	1,250
Bending capacity		
Steel 400 N/mm ²	mm 1.50	1.25
Aluminum 250 N/mm ²	mm 2.25	2.00
Stainless steel 600 N/mm ²	mm 1.00	0.80
Copper 300 N/mm ²	mm 2.00	1.50
Zinc 150 N/mm ²	mm 2.00	2.00
Overall dimensions		
Length	mm 1,480	1,730
Depth	mm 740	740
Total height	mm 1,180	1,180
Weight		
UK	kg 260	290
Partition of segments		
Per 1 corner left + right	mm 100	100
Per 1x30/40/60/70 mm	mm 6x100	8x100
Lower and bending beam segments		
Height	mm 60	60
Clamping beam segments		
Height	mm 100	100
Clamping beam opening height		
Height	mm 96	96

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UKV

Model	100	125	150	200
Working length	mm 1,000	1,250	1,500	2,000
Bending capacity				
Steel 400 N/mm ²	mm 2.00	1.75	1.50	1.00
Aluminum 250 N/mm ²	mm 3.00	2.50	2.25	1.50
Stainless steel 600 N/mm ²	mm 1.25	1.00	1.00	0.70
Copper 300 N/mm ²	mm 2.50	2.25	2.00	1.00
Zinc 150 N/mm ²	mm 2.50	2.50	2.50	2.00
Overall dimensions				
Length	mm 1,600	1,790	2,010	2,600
Depth	mm 800	800	800	800
(only for machine)				
Total height	mm 1,200	1,200	1,200	1,200
Weight				
UKV	kg 400	450	562	625
Partition of segments				
Per 1 corner left + right	mm 100	100	100	100
Per 1x30/40/60/70 mm	mm 6x100	8x100	11x100	16x100
Lower and bending beam segments				
Height	mm 60	60	60	60
Clamping beam segments				
Height	mm 100	100	100	100
Clamping beam opening height				
Height	mm 96	96	96	96

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UKF

Model	100	125	150	200
Working length	mm 1,000	1,250	1,500	2,000
Bending capacity				
Steel 400 N/mm ²	mm 1.50	1.50	1.50	1.00
Aluminum 250 N/mm ²	mm 2.25	2.25	2.25	1.50
Stainless steel 600 N/mm ²	mm 1.00	1.00	1.00	0.70
Copper 300 N/mm ²	mm 2.00	2.00	2.00	1.00
Zinc 150 N/mm ²	mm 2.25	2.25	2.25	2.00
Overall dimensions				
Length	mm 1,340	1,697	1,840	2,340
Depth	mm 740	740	740	740
(only for machine)				
Total height	mm 1,485	1,485	1,485	1,485
Weight				
UKF	kg 530	560	683	845
Partition of segments				
Per 1 corner left + right	mm 100	100	100	100
Per 1x30/40/60/70 mm	mm 6x100	8x100	11x100	16x100
Lower and bending beam segments				
Height	mm 120	120	120	120
Clamping beam segments				
Height	mm 160	160	160	160
Clamping beam opening height				
Height	mm 96	96	96	96

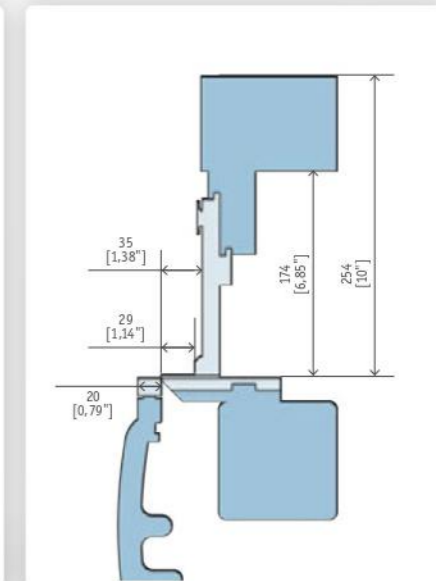
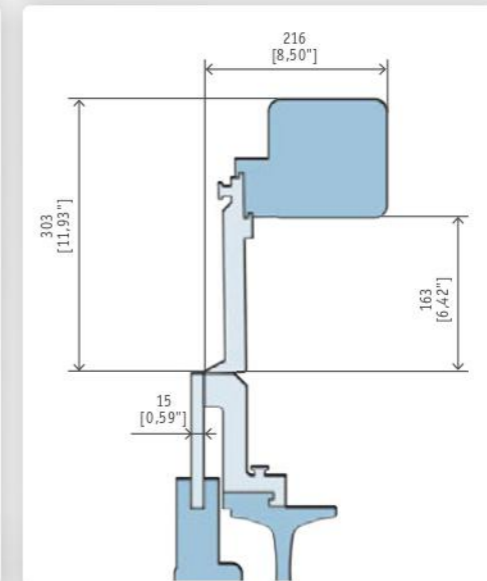
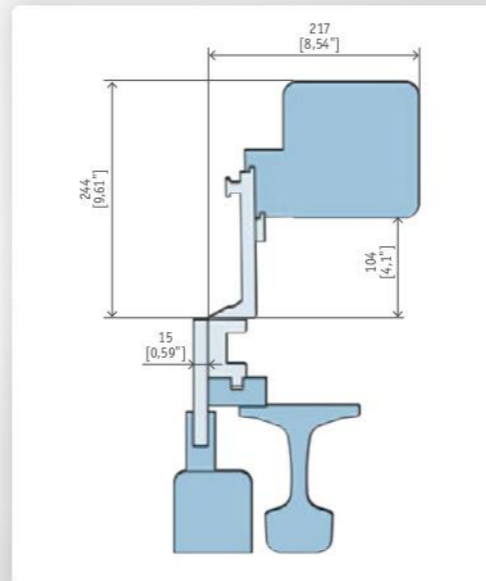
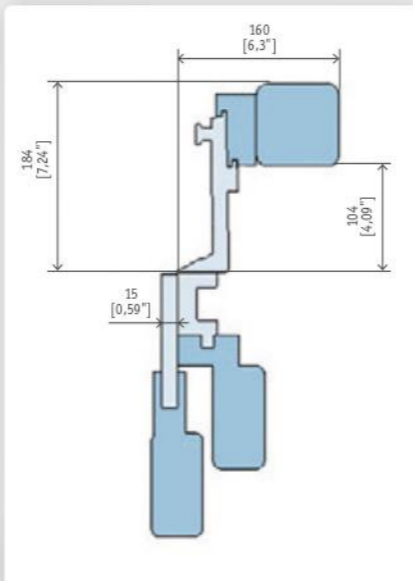
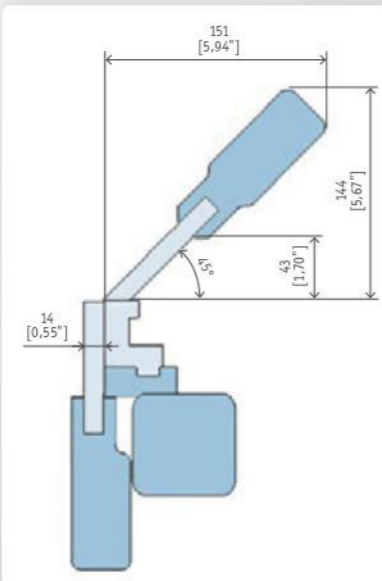
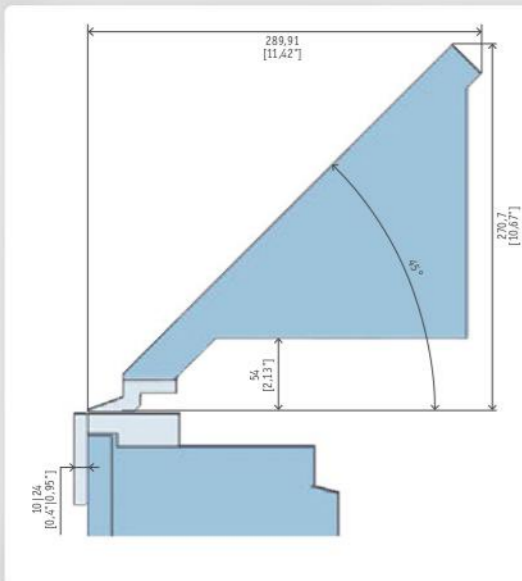
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SB

Model	50
Working length	mm 2x550
Bending capacity	
Steel 400 N/mm ²	mm 1.00
Aluminum 250 N/mm ²	mm 1.50
Stainless steel 600 N/mm ²	mm 0.60
Copper 300 N/mm ²	mm 1.25
Zinc 150 N/mm ²	mm 1.50
Overall dimensions	
Length	mm 1,410
Depth	mm 1,005
Total height	mm 1,600
Weight	
SB	kg 265
Partition of segments	
Per 1 corner left + right	mm 100
Per 1x30/40/50/60/70/100 mm	
Clamping beam opening height	
Height	mm 86













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LINE-UP OF MACHINES

MACHINES FOR THE ENTIRE
RANGE OF TOP-QUALITY METALWORKING
AS OF 01/2022

MANUAL BENDING MACHINES

 <p>TBX</p> <ul style="list-style-type: none"> Single-user lightweight for the job site Max. portability, solid, ready to use in 2 min Unique X stand, foldable, on wheels 	 <p>LBT</p> <ul style="list-style-type: none"> Construction convenience: bending, cutting, beading Portable, wheel locks, smooth-running Versatile options for clamping beam rail 	 <p>LBX</p> <ul style="list-style-type: none"> Compact and powerful on-site bending Pretensioning for material type and thickness Optimal bending result across the working width 	 <p>TBS</p> <ul style="list-style-type: none"> Smart segment-bending at the job site Tool-free adjustment, many fold shapes Unique X stand, light, max. portability
 <p>UK</p> <ul style="list-style-type: none"> Smart segment-bending, proven 10,000 times Combine elements without tools Foot pedal, frees up hands for positioning 	 <p>UKV</p> <ul style="list-style-type: none"> Segment-bending even more powerful/versatile Fast and tool-free segment adjustment Hands stay free for precision positioning 	 <p>UKF</p> <ul style="list-style-type: none"> Segment bending of large special forms Extra high standards for use – XXL freedom Maximum flexibility, highest comfort 	 <p>KS</p> <ul style="list-style-type: none"> Incredibly versatile, fast, cost-effective Easy and convenient for creative profiles World's best-selling swivel bending machine
 <p>KSV</p> <ul style="list-style-type: none"> Award-winning, cost-effective, versatile Handles many materials and thicknesses Produces remarkable profiles 	 <p>HBM</p> <ul style="list-style-type: none"> Special profiles only possible here Precise positioning of workpieces Simple lowering of bending beam 	 <p>HA</p> <ul style="list-style-type: none"> Sturdy package for single-user operation Specially designed for thick sheets Ideal configuration for recurring bends 	 <p>SB50</p> <ul style="list-style-type: none"> For the production of roof and facade shingles Only one work step for two 180° edges Time saving of approx. 70 %

MOTORIZED BENDING MACHINES

 <p>MBM ECT</p> <ul style="list-style-type: none"> Smart move to motor and monitor system Precision reproduction of complex profiles Single-user operation, sturdy, time-efficient 	 <p>MAX</p> <ul style="list-style-type: none"> Motorized model with best custom versatility Sturdy construction, high bending capacity The classic for 90% of all bending jobs 	 <p>MAX-F</p> <ul style="list-style-type: none"> Maximum bending free space 14 mm free space behind the pivot point More space for profile geometries 	 <p>MAB</p> <ul style="list-style-type: none"> More power than MAX, better performance Powerful machine for roofs and exteriors Sturdy construction, minimal maintenance
 <p>MAZ CNC</p> <ul style="list-style-type: none"> Best in series production and light metal Speed king: outstanding productivity Shortest setup times, rapid bending sequences 	 <p>MAE CNC</p> <ul style="list-style-type: none"> Economical in the industrial trade Most adaptable changeover system / 1-click Minimal setup times, versatile, compact 	 <p>MAF CNC</p> <ul style="list-style-type: none"> Maximum bending free space – without special tools 14 mm free space behind the pivot point Low risk of collision on the bending beam 	

MANUAL SHEARS



HT

- Resiliently sturdy: lasts for generations
- Single-user operation, economical precision
- Space-saving, maintenance-free, lots of accessories

MOTORIZED SHEARS

 <p>SMT</p> <ul style="list-style-type: none"> Smallest 3-meter motorized squaring shear For thin sheets to strong materials Saves energy, space and time 	 <p>MSB</p> <ul style="list-style-type: none"> Small size of SMT with much more power Even more performance in single-user operation The powerful and cost-effective choice 	 <p>MSC</p> <ul style="list-style-type: none"> The pro for thin sheets and exterior work Two motors, equal power distribution High efficiency, min. energy consumption
---	---	--

SHEARS FOR CUT-TO-LENGTH LINE SYSTEMS



MT

- Integrated automatic shearing system
- For continuous operation in the production process
- Individually adaptable, minimal maintenance



ST

- Shearing system with best configurability
- Integration into serial production equipment
- For many other materials besides sheet metals

MODULAR COIL-HANDLING



MCH

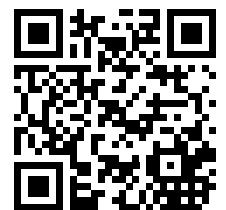
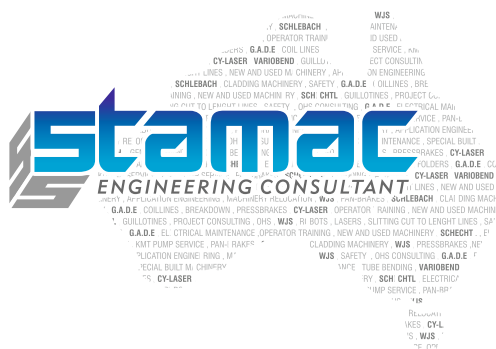
- Metal sheets are always available
- Modular design
- Customizable

PROFILING MACHINES



SZP

- Extra-long and very solid in ventilation work
- Straight-line profiling without distortion
- High operating cycle speed



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