



Bending-Bevel-Tools EcO-Benders

Bending Material fast and perfect.
On site or in the work-shop.

EcO-Bender3 – Your efficient little helper on site Light weighted, with 4 guide rollers and removable ergonomic Grip Handle

- EcO = **E**conomic with an **O**-formed Grip Handle
- 3 = three optimum ergonomic grip positions
- universal mobile Bending Tool, to bend and form all kind of materials, straight, concave or convex
- solves many technical bending problems, as up-stands and counter forms without any scratch mark
- the only Bender on the market today with an ergonomic O-grip system, offers a convenience good grip, even when the entire length is extended to 200 mm, (8 inch)
- eyelet to hang up the tool
- graduation in Inch and Millimetre

Technical Data:

Aluminium, Copper, Zinc	mm	1,0 (19 ga.)
Steel	mm	0,7 (22 ga.)
Stainless Steel	mm	0,5 (25 ga.)

Art.no.:	0°- 90°	Bend. height	kg
91545	complete with O-handle	5 – 200 mm	1,8
91545S1	without O-handle	5 – 200 mm	1,5
91545S3	complete with O-handle	5 – 350 mm	2,2
91545S4	without O-handle	5 – 350 mm	1,9
91549	Adapter to connect 2 EcO-Bender 200		1,5
91549S3	Adapter to connect 2 EcO-Bender 350		1,8
KH70400	O-handle for EcO-Bender and Mini-Bender		0,3



Adapters 91549 & 91549S3



O-handle KH70400

Mini-Bender and Duo-Mini-Bender With each 2 guiding rolls

- for continuous bending long materials.
- with the aid of an adapter 2 Mini-Benders can be assembled together, to a longer tool and disassembled again, to use two benders separately
- light in weight, small in size and price
- eyelet to hang up the tool
- graduation in Inch and Millimetre

Technical Data:

Aluminium, Copper, Zinc	mm	1,0 (19 gauge)
Steel	mm	0,7 (21 gauge)
Stainless Steel	mm	0,5 (25 gauge)

Art.no.:	0°- 90°	Bend. height	kg
91544	Mini-Bender, 2 guide rollers	5 – 200 mm	1,5
91544S3	Mini-Bender, 2 guide rollers	5 – 350 mm	1,8
91546	Duo-Mini-Bender 2x2 rollers	5 – 200 mm	3,4
91546S3	Duo-Mini-Bender 2x2 rollers	5 – 350 mm	3,7
91548	Adapter to connect 2 Mini-Benders		1,5

0° - 90°

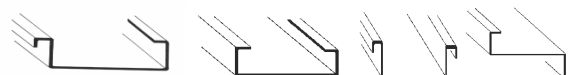


EcO-Bender3/200 mm #91545 / EcO-Bender3/350 mm #91545S3

3 optimum gripping positions and always good grip,
no matter how far the rod is pulled out:



Standing Seam Profiles:

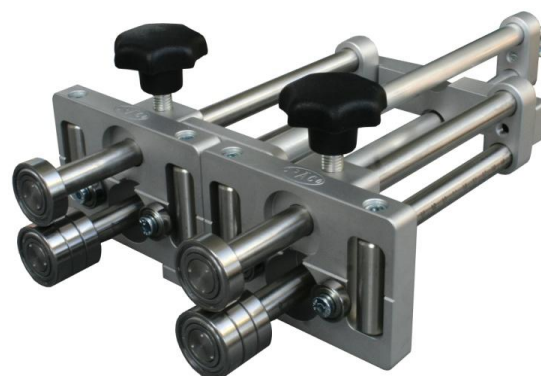


[Video „how to fabricate standing seam panels“ available online!](#)



EcO-BenderS1 91545S1 (200 mm, without O-handle)
EcO-BenderS4 91545S4 (350 mm, without O-handle)

Mini-Benders



Duo-Mini-Bender 200 91546 / Duo-Mini-Bender 350 91546S3



Mini-Bender 200 91544
Mini-Bender 350 91544S3



Adapter 91548

Novelty!
0°-120°

Supra-Bender

- to bend 0-120° from 30 mm up to 200/350mm
Enables overstretching to compensate for spring back of
E.g. stainless steel
- fabrication of drip edges, windowsills, eaves cladding,
valley construction and many more

Art.no.:	0°- 120°	Bend. height	kg
91550	complete with O-handle	30 – 200 mm	2,0
91550S1	without O-handle	30 – 200 mm	1,8
91550S3	complete with O-handle	30 – 350 mm	2,4
91550S4	without O-handle	30 – 350 mm	2,1



Disc-Benders DB 41 & DB 42 Combi
and DB 41 S2 & DB 42 S2 Combi
(with swivelling wheel)

- a right angle of 90° can be bent to 180°
- no adjustment necessary
- for eaves cladding, cross seams, gutter flashings, valley channels, drip edges, wall capping and many more
- max. metal thickness up to 1 mm/19ga.
(depending on material)

90°-180°

NEW: DB41S2 & DB42S2 with swivelling wheel.
Designed for placing the tool easily in work pieces that are difficult to access

Art.no.:	90°- 180°	Angle height	kg
91541	Disc-Bender DB 41	ca. 8 – 40 mm	0,9
91542	Disc-Bender DB 42	ca. 8 – 40 mm	2,6
91541S2	Disc-Bender DB41S2	ca. 8 – 40 mm	1,0
91542S2	Disc-Bender DB42S2	ca. 8 – 40 mm	2,7
91547	Adapter to connect 2 Disc-Benders		0,8



Disc-Bender DB41(single) 91541

Disc-Bender DB42 Combi 91542 (double). Ideal for long work pieces



DB41S2 with swivelling wheel 91541S2



Adapter 91547



Flange- & curve benders BKK 25 & BKK 50

- bends 0° - 90° ● light and handy
- ideal for curved work pieces and small radius
- max. sheet thickness up to 1 mm (material-dependent)
- smallest inner radius 40 mm at minimum heights
- graduation in Inch and Millimetre

Art.no.:	0°- 90°	Bend. height	kg
91540	BKK 25	5 – 25 mm	0,8
91540S1	BKK 50	5 – 50 mm	0,9

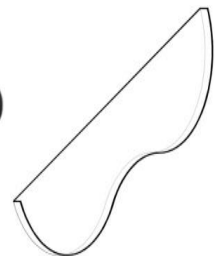
Due to material characteristics data can be different. Bending height depends on radius. Radius depends on bending height.



Flange- & curve benders



BKK 25 91540



BKK 50 91540S1

SET2 EcO-Bender3/200 + Disc-Bender DB 41

- EcO-Bender3 0°-90° ■ Disc-Bender 90°-180°
- Tin man's gloves PERFECT FIT ■ measuring tape 5m
- Tin man's pencil ■ Transport box

Art.no.:	0°- 180°		kg
91545SET2	91545 + 91541	incl. accessories	4,2

Applications see single tools

EcO-Bender3:



EcO-Bender3: fabrication of stand seam profiles:



EcO-Bender3 + Disc-Bender:

Additionally and in combination it is possible to bend: Flashings, angular sheets with water seam, battens, sheets for verges, etc. etc.:



0°- 180° bending set 91545SET2

SET3 EcO-Bender3/200 + Disc-Bender DB 41 + Flange- & Curve Bender BKK 25

- EcO-Bender3 0°-90° ■ Disc-Bender 90°-180°
- Flange- and Curve Bender BKK 25 0°-90°
- Tin man's gloves PERFECT FIT ■ measuring tape 5m
- Tin man's pencil ■ Transport box

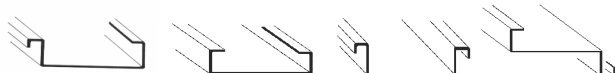
Art.no.:	0°- 180°		kg
91545SET3	91545 + 91541 + 91540	incl. accessories	5

Applications see single tools

EcO-Bender3:



EcO-Bender3: fabrication of stand seam profiles:



Bender3 + Disc-Bender:

Additionally and in combination it is possible to bend: Flashings, angular sheets with water seam, battens, sheets for verges, etc. etc.:

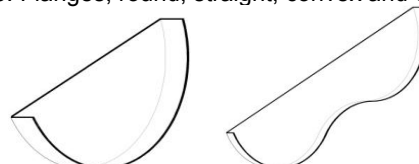


NEW SET3
(with 3 tools and accessories)



0°- 180° bending set 91545SET3

BKK25: Flanges, round, straight, convex and concave





Multi-Bender

NEW

Beading Tool Multi-Bender 200

Universal Tool for beading, offsetting and trimming. On site or in the workshop

The multi Bender 200 is a lightweight, portable manual device. Ideal for the beading of sheet and folded or profiled material, as well as trimming.

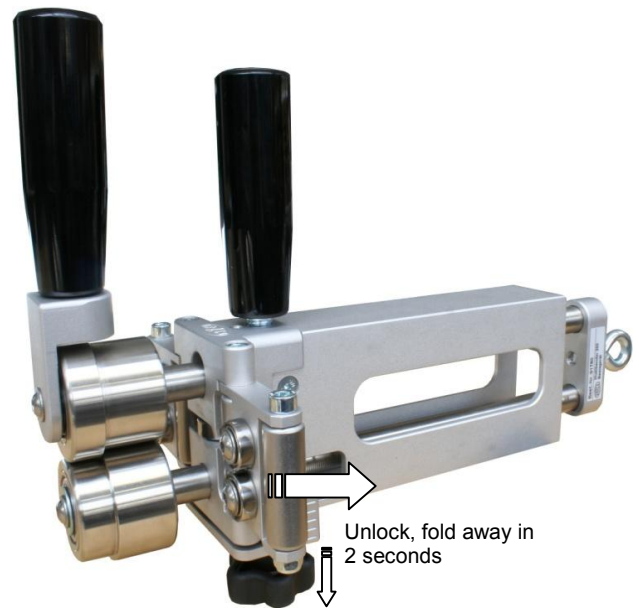
The manual adjustment of the upper roller, as well as the sideways folding wings allow a delicate machining of the work pieces and the machining of complex shapes. The work piece is held not only by a stop plate, but also by vertically arranged hardened wheels and ball bearings which ensure the repeatability for recurring work pieces.

- free box for equipped tool
- interchangeable forming rolls
- beading or offset depth up to approx. 3,5 mm
- open guide rollers laterally to work on straight lines and bends more comfortable
- bend height: from 44 to 244 mm

Capacity, ca:

Aluminium, Copper, Zinc: **1,0 mm (18 ga.)**
 Steel **0,8 mm (20 ga.)**
 Stainless steel **0,5 mm (23 ga.)**

Sub pages see available pair of rolls
Special pair of rolls on request



Retractable lead wing for straight and round beads, or long and short bars



Multi-Bender 200 in case, 7 pair of rolls on, handle and guide

Multi-Bender 200 and accessories

Art.no.:	Type	Description	Picture	kg	lbs
91780	Multi-Bender 200	Basic Tool (without handle, without guidance device, without rollers)		2,1	4,4
91785	Handle	Helve		0,3	0,66
91786	Guidance device	improves pushing & pulling		0,2	0,44



Multi-Bender- pairs or rollers


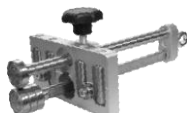









Art.nr.:	Type	Description	Picture	Sketch	kg	lbs
9179001	Pair of rolls #1	AS Offsetting 1			0,5	1,1
9179002	Pair of rolls #2	SF12 Flat beading 1/2", 12,5 mm			0,5	1,1
9179003	Pair of rolls #3	VS Offsetting 2			0,5	1,1
9179004	Pair of rolls #4	AB Setting / Bending			0,7	1,55
9179005	Pair of rolls #5	SRS Beading circularly (symmetric)			0,5	1,1













Multi-Bender- pairs or rollers

Art.nr.:	Type	Description	Picture	Sketch	kg	lbs
9179006	Pair of rolls # 6	SF25 Flat beading 1", 25 mm			0,5	1,1
9179007	Pair of rolls # 7	SRA Beading circularly (asymmetric)			0,5	1,1
9179008	Pair of rolls # 8	SV90 Beading V-shape 90°			0,5	1,1
9179009	Pair of rolls # 9	SV45 Beading V-shape 45°			0,5	1,1
9179010	Pair of rolls #10	SR Cutting rollers			0,5	1,1

Overview Bending Tools

Art.nr.:	Description	Facts	Picture
Uni-Bender			
91545	EcO-Bender3/200 standard with O-handle	<ul style="list-style-type: none"> • O-handle • 4 guiding rollers • 5 – 200 mm bending • 0 - 90 ° 	
91545S1	EcO-Bender3/200 special type without O-handle	<ul style="list-style-type: none"> • 4 guiding rollers • 5 – 200 mm bending • 0 - 90 ° 	
91545S3	EcO-Bender3/350 special type with O-handle	<ul style="list-style-type: none"> • O-handle • 4 guiding rollers • 5 – 350 mm bending • 0 - 90 ° • 	
91545S4	EcO-Bender3/350 special type without O-handle	<ul style="list-style-type: none"> • 4 guiding rollers • 5 – 350 mm bending • 0 - 90 ° 	
91544	Mini-Bender 200	<ul style="list-style-type: none"> • 2 guiding rollers • 5 – 200 mm bending • 0 - 90 ° 	
91544S3	Mini-Bender 350	<ul style="list-style-type: none"> • 2 guiding rollers • 5 – 350 mm bending • 0 - 90 	
91550	Supra-Bender NEW	<ul style="list-style-type: none"> • O-handle • 4 guiding rollers • 30 – 200 mm bending • 0 - 120 ° 	
Duo-Bender			
91546	Duo-Mini-Bender 200	<ul style="list-style-type: none"> • 4 (2x2) guiding rollers • 5 – 200 mm bending • divisible into 2 individual devices • 0 - 90 ° 	
91546S3	Duo-Mini-Bender 350	<ul style="list-style-type: none"> • 4 (2x2) guiding rollers • 5 – 350 mm bending • divisible into 2 individual devices • 0 - 90 ° 	
91543	Duo-EcO-Bender 200	<ul style="list-style-type: none"> • 8 (2x4) guiding rollers • 5 – 200 mm bending • divisible into 2 individual devices • 0 - 90 ° 	
91543S3	Duo-EcO-Bender 350	<ul style="list-style-type: none"> • 8 (2x4) guiding rollers • 5 – 350 mm bending • divisible into 2 individual devices • 0 - 90 ° 	

Overview Bending & Beading Tools

Art.nr.:	Description	Facts	Picture
Flange & curve benders			
91540	BKK 25	<ul style="list-style-type: none"> • 2 guiding rollers • 5 – 25 mm bending • good curve ability • 0 - 90 ° 	
91540S1	BKK 50	<ul style="list-style-type: none"> • 2 guiding rollers • 5 – 50 mm bending • good curve ability • 0 - 90 ° 	
Multi-Bender 91780/85/86 + 9179001 - 9179010	Multi-Bender 200 Beading Offsetting Bending Trimming NEW	<ul style="list-style-type: none"> • multifunctional bending & beading tool • 2 - 4 guiding rollers variable • 44 – 244 mm bending • good curve ability • 0 - 90 ° 	
Disc-Bender 91541	Disc-Bender (single)	<ul style="list-style-type: none"> • 8 – 40 mm • good curve ability • 90 - 180 ° 	
91542	Disc-Bender Combi (double)	<ul style="list-style-type: none"> • 8 – 40 mm • divisible into 2 individual devices • 90 - 180 ° 	
Adapter 91548	Adapter	Duo-Adapter for Mini Bender 200	
91548S3	Adapter	Duo-Adapter for Mini Bender 350	
91549	Adapter	Duo-Adapter for EcO-Bender 200	
91549S3	Adapter	Duo-Adapter for EcO-Bender 350	
91547	Adapter	Adapter incl. additional guidance for Disc-Bender Combi Combines 2 single Disc-Benders to 1 Disc-Bender Combi	

All individual devices (except Multi-Bender and BKK) can be extended with the help of the adapter to duo devices.