



# Light bender

## Type H bender:

Light bender are ideal for delicate insulation work whether on a building site or in a workshop environment, with a good capacity to weight ratio

Features	H1000L	H1300L
Useful bending length (mm)	1 050	1 300
Capacity for S235JR steel (mm)	1,5	0,8
Gross weight (mm)	94	122



# Workshop bender PZA

## PZA2040A

The PZA workshop bender is of welded steel construction, dimensioned to provide the necessary stability, stiffness and solidarity as required for workshop use

### Standard equipment

- Fitted with a narrow apron to allow opposite bends close together 2
- Clamping tool interchangeable if damaged 1
- Bending support with cylinder for fast and reliable work 3
- Notched gauge for precise and reliable bending



Model PZA shown with optional accessories

Features	PZA2040A
Useful bending length (mm)	2 040
Capacity for S235JR steel (mm)	0,8
Dimensions (mm)	2 450 x 800 x 1 000
Gross weight (kg)	315

## Optional accessories

- Clamping pedal(PZA-PDS) 3
- Other optional accessories see page 7



Angular gauge



# Workshop benders PBS



## ● PBS: reliability in all its shapes

The PBS bender is specially adapted for use in zinc insulation and aluminium workshops as well as for use in shop fitting, maintenance and prototype workshops

## ● PE model: electric clamp bender

Developed to provide precision bending and excellent repetitive productivity in thin sheet metal

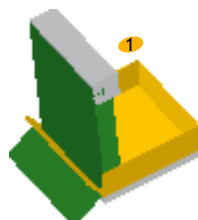
The control provides robust and regular clamping and allows the operator to keep hands free to manage insertion and extraction of metal sheets

- Conforms to EU safety standards
- Supply: 400VThr-ph.
- Power 0,18 kW
- Allows automatic unclamping after bending (in order not to waste time)
- Equipped with anti-pinching system (stop 1 cm)

## ● T model: segment keys bender

Version T of the PBS will produce perpendicular bends on the same sheet metal as necessary; in order to produce boxes, trunking and frames, etc..

The clamp is equipped with a fractioned heeled type tool consisting of various length elements, allowing any bend heights to a maximum of 100 mm to be achieved



Horn type clamping tool: consult us

### Other tool (option)

Clasp or radius tool

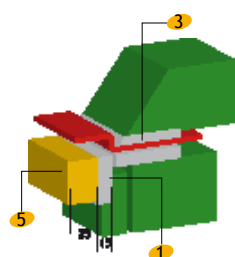


heeled type clamping tool



Machine PBS2040T	Keys length in mm												
	20	25	30	35	40	45	50	60	75	100	120	150	200
Number of keys	4	2	2	2	2	2	4	2	2	2	2	2	2

## ● Optional accessories see page 7



- 1 Apron provided with an interchangeable 5 15 mm narrow tool and with a 25 mm large tool to increase bending capacity
- 2 Adjustable angular stop graduated from 0 to 160° performing very precise and identical bends
- 3 The clamping tool is removable for special rules settings and easy maintenance Pedal-operated clamp control allowing operator hands free use. Eccentric driven clamp control
- 4 Bending radius adjustment by horizontal apron fittings
- 6 Cleared sides to allow up to 500 mm sheet metal edges, or ø 18 mm upwards and 20 mm downwards flanges to go by

Features	PBS2040-15		PBS2540-10	
Useful bending length (mm)	2 040		2 540	
Capacity (mm)	Large apron	Narrow apron	Large apron	Narrow apron
steel S235JR	1,5	1,0	1,2 *	0,8 *
Alu	2,0	1,2	1,5 *	1,0 *
Stainless steel	0,8	0,5	0,7 *	0,4 *
Galva	1,2	0,8	1,0 *	0,65 *
Zinc, copper	2,0	1,2	1,5 *	1,0 *
Control	Manual		Manual	
PE model	Electric clamp		Electric clamp	
Dimensions (mm)	2 700 x 1 000 x 1 450		3 100 x 1 110 x 1 400	
Gross weight (kg)	680		790	

Nota : key type benders are referenced PBS2040T and provide same features than described up below by reducing 30% of the capacity. Minimum bend width : 10 the thickness

\* Capacity for electric model PBS2540-12PE



# Workshop benders PVS



## ● Patent system PVS

An updated PVS apron bender adapted for use mainly in zinc and aluminium special workshops, as for shop-fittings and zinc, copper, pre-lacquered steel and aluminium shape insulation

This sturdy machine, mechanically welded, is fitted with a patented automatic clamp release (15 mm and 70 mm opening positions) which eliminates the need for manual releasing

## ● Advantages

- Automatic clamp release when the apron comes back to a low position. Patented
- Apron bush and clamp shaft fitted on ball bearings
- Left and right-sided angular stop
- Vertical apron movement for better radius setting and easy made reverse bends
- Pedal clamping useful on the total length of the machine
- Double and adjustable opening

1 Angular stop and permanent view of the angle on both extremities of the apron



## ● Standard equipment

- Hollow clamping tool to close bends
- Apron balancing spring will provide flexible and fast adjustment
- Treated steel apron and clamping tool
- 15 mm narrow apron tool on PVS2050M
- 15 mm or 40 mm apron tool on PVS3050-10M (to be specified with the order)

## ● Optional accessories

- 40 mm apron tool for PVS2050M (PVS-REG40-2M)
- 15 mm or 40 mm apron tool on PVS3050-10MR (PVS-REG15-3M or PVS-REG40-3M)
- Complementary see page 7

Features	PVS2050M		PVS3050-10MR	
Useful bending length (mm)	2 040		3 040	
Capacity (mm)	Large apron 40 mm tool	Narrow apron 15 mm tool	Large apron 40 mm tool	Narrow apron 15 mm tool
Steel S235JR	1,5	1,0	1,2	0,8
Alu	2,0	1,2	1,5	1,0
Stainless steel	0,8	0,6	0,6	0,5
Zinc, copper	1,6	1,0	1,6	1,0
Dimensions (mm)	2 535 x 570 x 1 265		3 535 x 570 x 1 265	
Gross weight (kg)	710		940	
Table height (mm)	930		930	



# Complementary equipment for PBS, PVS, PZA



## Roller shear CCM (Guide rail to be ordered) **3**

A strong but flexible hardened aluminium body  
Tempered steel rolls provides long term endurance  
Guide on rail and 2 holding handles provides optimum  
cutting precision  
Capacity 0,8 mm zinc 0,7 mm steel

## Guide rail for roller shear **4**

## Beading accessory equipped with gears to reduce **2** effort ø 14, 16, 18 mm (Diameter to be specified at the order)

Length (mm)	2040	2540	3040
ø 14	0,65	-	-
ø 16	0,80	0,65	0,65
ø 18	0,80	0,80	0,80

\* Capacity mm zinc or copper



## Rack operated back gauge **1**

- For PZA2040A : 60 to 500 mm
- For PBS2040 and 2540 : 25 to 500 mm
- For PVS2050M : 60 to 500 mm
- For PVS3050-10MR : 60 to 750 mm

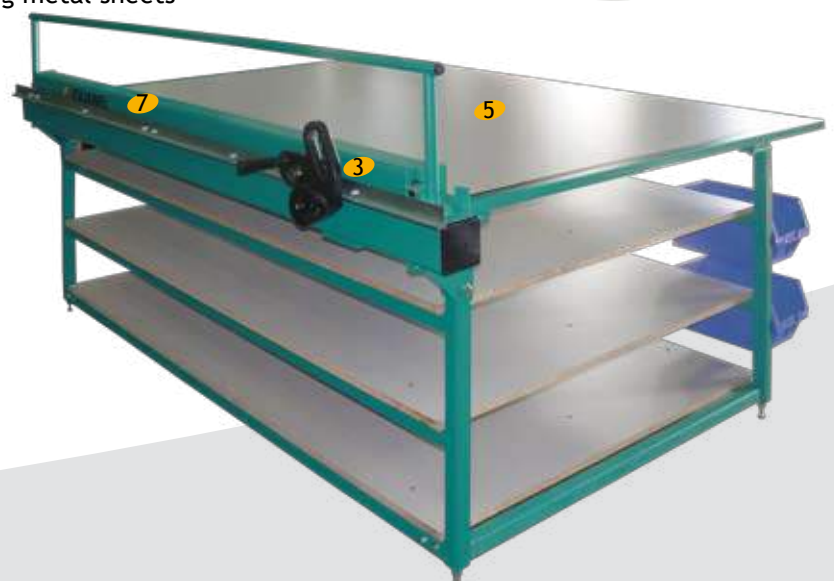


## Back gauge with ways, length 500 mm **6** Minimum gauge for PZA 55 mm, PBS 25 mm , PVS 60 mm



## Adaptable working bench on bending machine ETB2040 **5**

- Length 2 090 mm x 1 500 mm
- Equipped with 2 graduated tools for tracing metal sheets
- 4 storage drawers



## Sheet cutter table TCZ2040 **7** to be adapted on ETB2040 To supply with a roller shear CCM **3**

References	1	2	3	4	5	6
PBS2040-15	GAC-PZA-PBS-PZS	ABH14-16-2040BS, ABH18-2040BS	CCM	RGS2040A	ETB2040	PBS-GAS
PBS2540-10	GAC-PZA-PBS-PZS	ABH16-18-2540BS	CCM	RGS2540A	-	PBS-GAS
PVS2050M	GAC-PZA-PBS-PZS	ABH14-16-2040VS, ABH18-2040VS	-	-	ETB2040PVS	PBS-GAS
PVS3050-10MR	PVS-GAC3	ABH16-3040VS, ABH18-3040VS	-	-	-	PBS-GAS
PZA2040A	GAC-PZA-PBS-PZS	ABH14-16-2040, ABH18-2040	CCM	RGA2040B	ETB2040	PZA-GAS