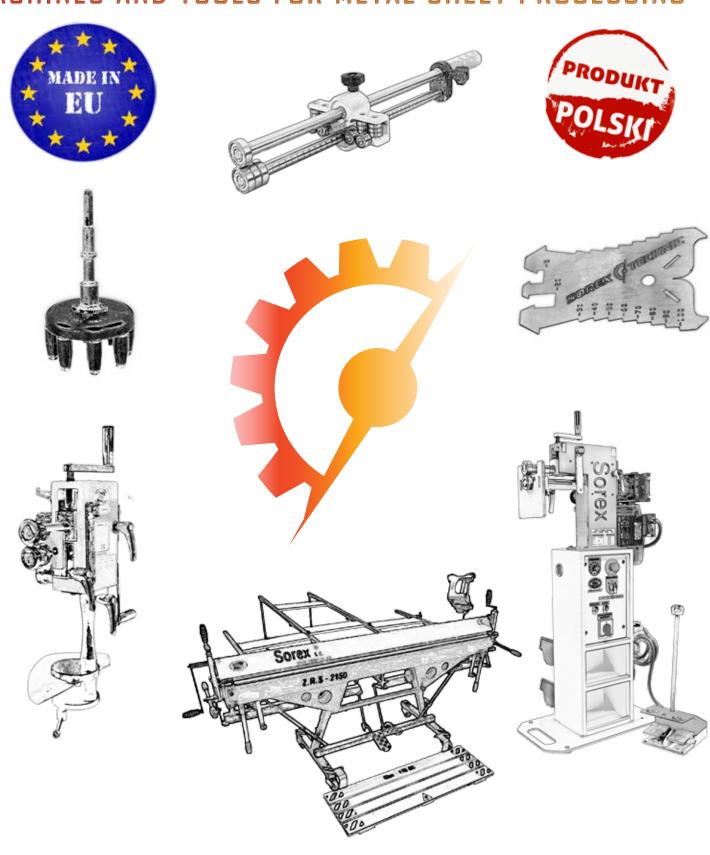


# MACHINES AND TOOLS FOR METAL SHEET PROCESSING



#### Dear Customers,

Sorex Technic Company produces machines and tools for sheet metal treatment. Our products are mainly for whitesmiths, roofers, insulators and companies handling ventilation. In this industry we have decades-long work experience.

Our adventure with production started with machining precise parts. Together with the development of our company and increase of CNC machine park, we started producing CW and CWM swaging machines (groovers) and ZRS bending machines. Having improved construction and production processes of the above-mentioned items, we extended the range of our products. We introduced following tools/machines: Roll Forming Machines — Bender-type, Chimney Mock Moulds, Roll Formers For ZRS Bending Machines, Expanders for Pipes, Scribers (marking tools) and other, small tools which are necessary for our clients.

Machines, which we engineer and produce, are determined by original and simple structure with lots of interesting technical solutions. Each machine can be equipped with rich and diversified additional accessories, which turn our products into multipurpose machines.

Tools produced by our company are used in many European countries. We already have a vast, international circle of satisfied customers who we cooperate with during implementing and constructing new tools, machines and equipment. Because of that, we are closer to market and customers and thus our products are more and more efficient, easy to use as well as superior at low price.

We are confident that our offer will gain your interest. We encourage you to look through catalogue and hope for a future business cooperation.

yours faithfully

Michał Przeorek, owner



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#### **BEADING AND FLANGING MACHINES**

# Beading and Flanging Machine CW,CWM,CWMK series



- precise regulation of holdfast and roller interspace
- a large separable shaft as standrad equipment
- bending rollers made of 52-56 HRC thick high-grade steel
- large choice of additional profile rollers
   more than 190 sets
- three working speed ranges: from 2 to 14 m/min,-from 2 to 30 m/min and from 4 to 56 m/min
- engine power 0,74 kW, 1,5 kW or 2,2 kW
- right/left rotations
- rcontinous work
- smooth speed regulation







#### **BEADING AND FLANGING MACHINES**



- roll gauge is 50 mm in all of our machines
- supply voltage 230V, 50 Hz
- machine is rigid and cohesie, foolproof and self-explanatory









#### **Basic equipment**

A20

#### Each basic equipment includes:

- Beading & flanging machine (groover) by Sorex Technic
- 4 profiling rollers: A, B, Z20 i R3
- ZR-1 stop plate
- hanger for the profile rollers
- hanger for roller spanner
- spanner for rollers







## **GROOVERS** - Models



## Available models

#### CW-50.80

Roll _gauge	Working depth	Engine power	Working speed	Dimensions [length x width x height]	Weight
50 mm	80 mm	manual drive	-	420 x 250 x 250 mm	20 kg

#### CW-50.200

Roll gauge	Working depth	Engine power	Working speed	Dimensions [length x width x height]	Weight
50 mm	200 mm	manual drive	-	600 x 250 x 400 mm	28 kg





#### CW-50.200

Roll gauge	Working depth	Engine power	Working speed	Dimensions [length x width x height]	Weight
50 mm	250 mm	manual drive	-	650 x 250 x 400 mm	30 kg



Roll gauge	Working depth	Engine power	Working speed	Dimensions [length x width x height]	Weight
50 mm	200 mm	0,74 kW	2 - 14 m/min	600 x 320 x 1280 mm	70 kg





## CWM-50.200 1,5 kW

Roll gauge	Working depth	Engine power	Working speed	Dimensions [length x width x height]	Weight
50 mm	200 mm	1,5 kW		620 x 320 x 1280 mm	



## **GROOVERS - Models**

#### CWM-50.250 0,74 kW

Roll gauge	Working depth	Engine power	Working speed	Dimensions [length x width x height]	Weight
50 mm	250 mm	0,74 kW		650 x 320 x 1280 mm	





## CWM-50.250 1,5 kW

Roll gauge	Working depth	Engine power	Working speed	Dimensions [length x width x height]	Weight
50 mm	250 mm	1,5 kW	2-30 m/min	670 x 320 x 1280 mm	82 kg

#### CWMK-50.200 0,74 kW - tiltable 90°

CW/VIIC 50:200 0,7 4 KW tiltuble 50								
Roll gauge	Working depth	Engine power	Working speed	Dimensions [length x width x height]	Weight			
50 mm	200 mm	0,74 kW	2-14 m/min	600 x 320 x <mark>124</mark> 0 mm	77 kg			





## CWMK-50.200 1,5 kW - tiltable 90°

Roll gauge	Working depth	Engine power	Working speed	Dimensions [length x width x height]	Weight
50 mm	200 mm	1,5 kW	2-30 m/min	620 x 320 x 1240 mm	88 kg

#### CWMK-50.250 0,74 kW - tiltable 90°

Roll gauge	Working depth	Engine power	Working speed	Dimensions [length x width x height]	Weight
50 mm	250 mm	0,74 kW	2-14 m/min	650 x 320 x 1240 mm	78 kg



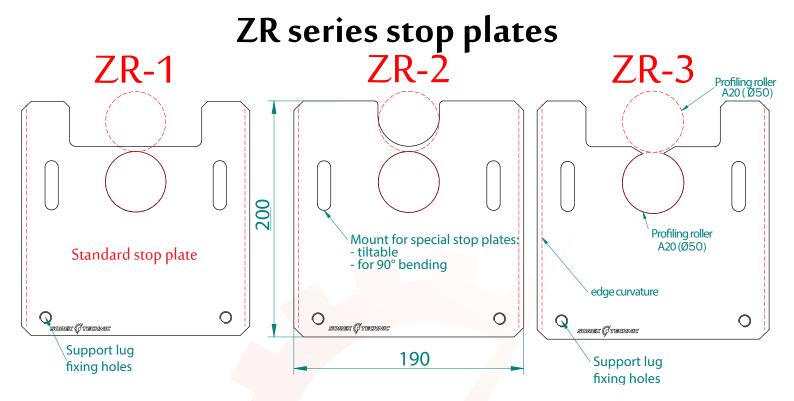


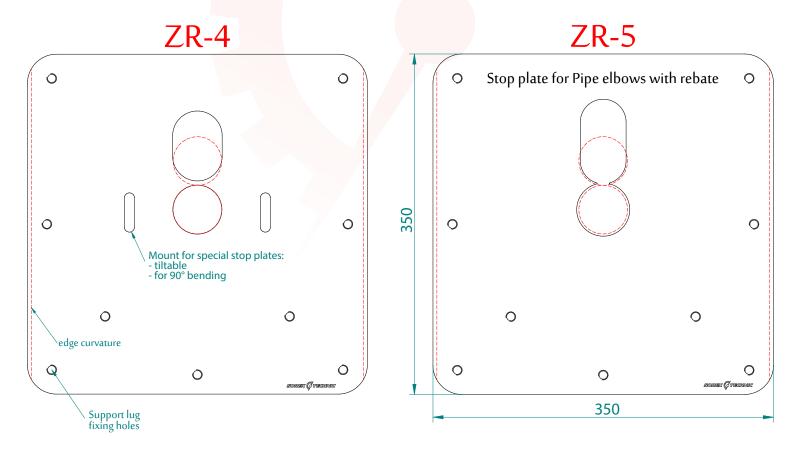
## CWMK-50.250 1,5 kW - tiltable 90°

Roll gauge	Working depth	Engine power	Working speed	Dimensions [length x width x height]	Weight
50 mm	250 mm	1,5 kW	2-30 m/min	670 x 320 x 1240 mm	89 kg



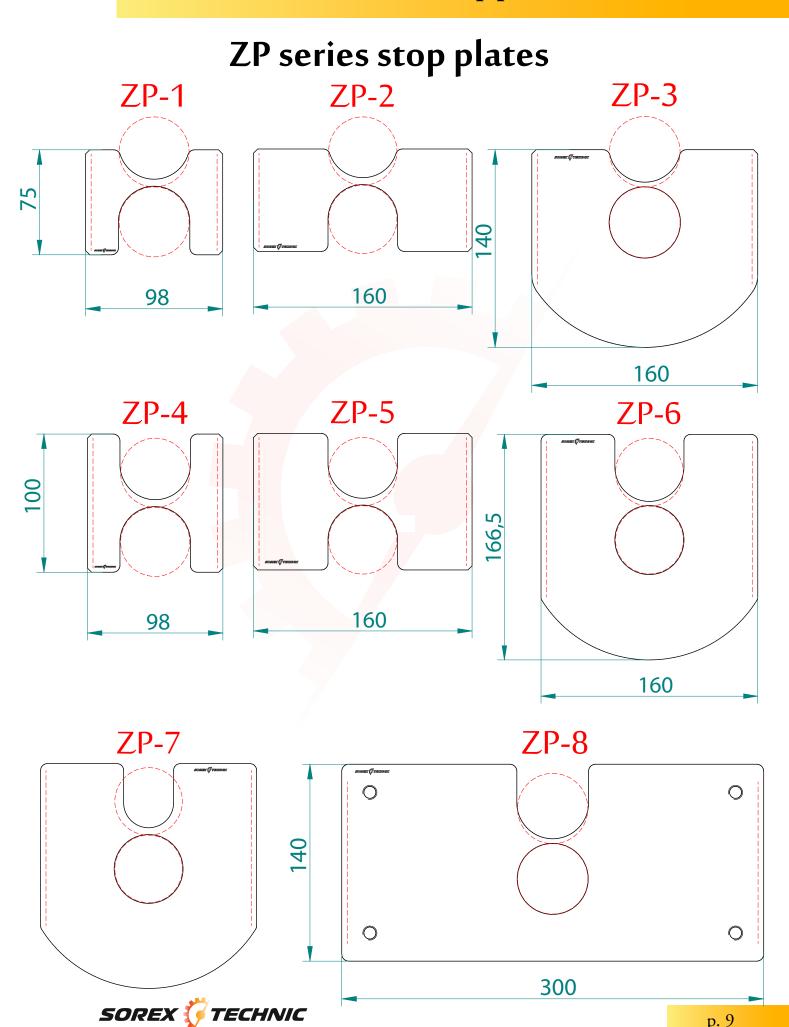
## **GROOVERS** - Flat stop plates







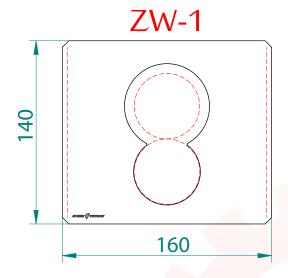
## **GROOVERS** - Flat stop plates

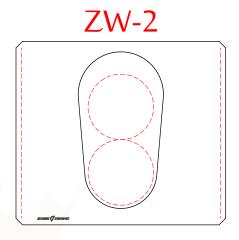


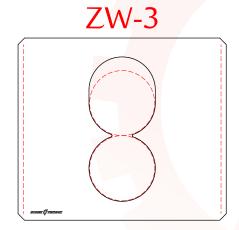
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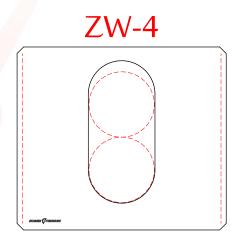
## **GROOVERS** - Flat Stop plates

# ZW series stop plates



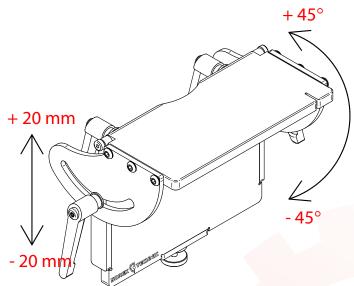






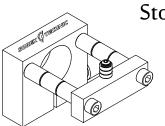
## **GROOVERS** - Advanced stop plates

# Additional equipement for stop plates



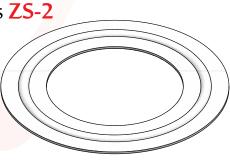
#### Tiltable attachment ZS-1

- angular adjustment in the range of +45°\/-45°
- height adjustment +20 mm/-20 mm
- suitable for stop plates: ZR-1; ZR-2; ZR-3; ZR-4

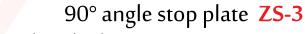


Stop plate for internal holes ZS-2

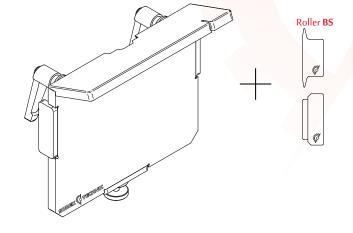
- possibility of embossing rings
- independent mounting

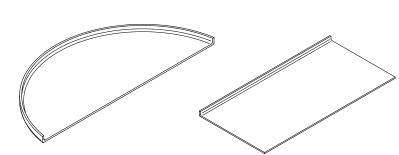


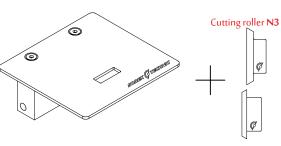




- works with roler BS
- suitable for stop plates: ZR-1; ZR-2; ZR-3; ZR-4



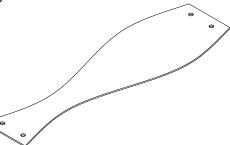




#### Support table for cutting shapes **ZS-4**

- works with cutting roller N3
- independent mounting



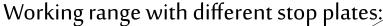


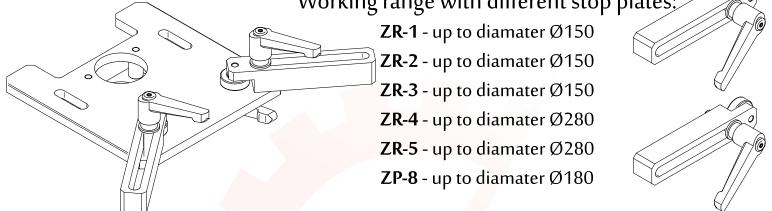


#### **GROOVERS** - Advanced stop plates

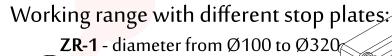
# Additional equipement for stop plates

Support lug Type 1 (to smaller diameters)





Support lug Type 2 (for bigger diameters)



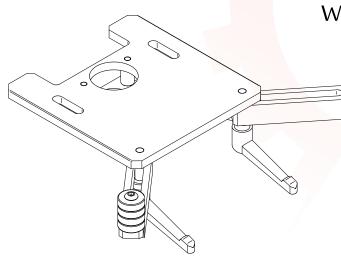
 $\mathbb{Z}R-2$  - diameter from Ø100 to Ø320

 $\mathbf{ZR-3}$  - diameter from Ø100 to Ø320

**ZR-4** - diameter from Ø300 to Ø450

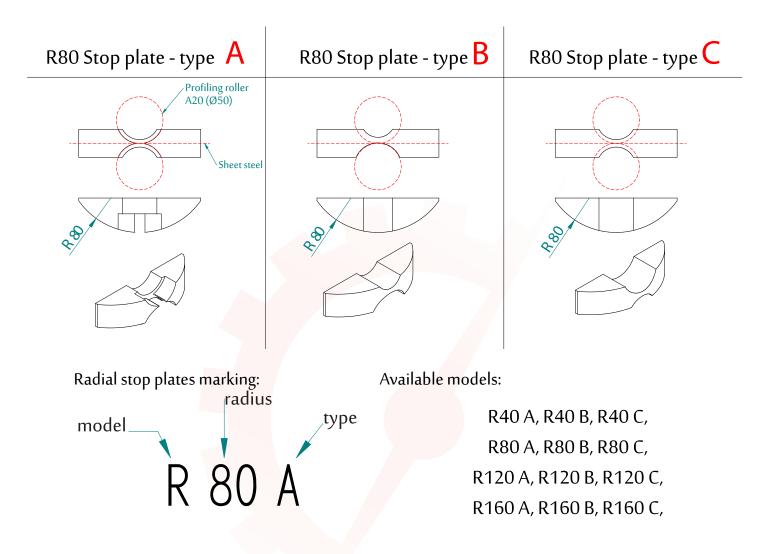
**ZR-5** - diameter from Ø300 to Ø450,

**ZP-8** - diameter from Ø110 to Ø250

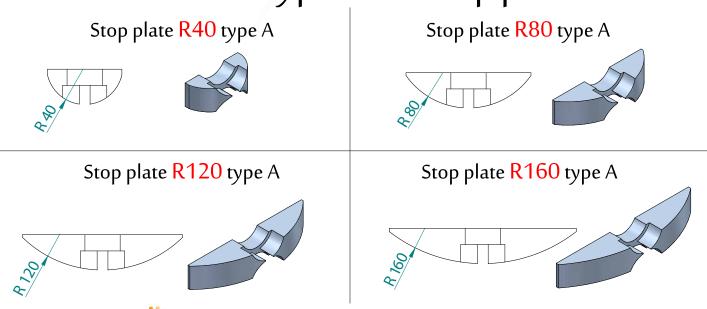


#### **GROOVERS** - Radial Stop plates

# Types of R-type radial stop plates



# SIZE of R-type radial stop plates





## **GROOVERS** - Stop plates

# Examples of stop plates designs

R 40 A







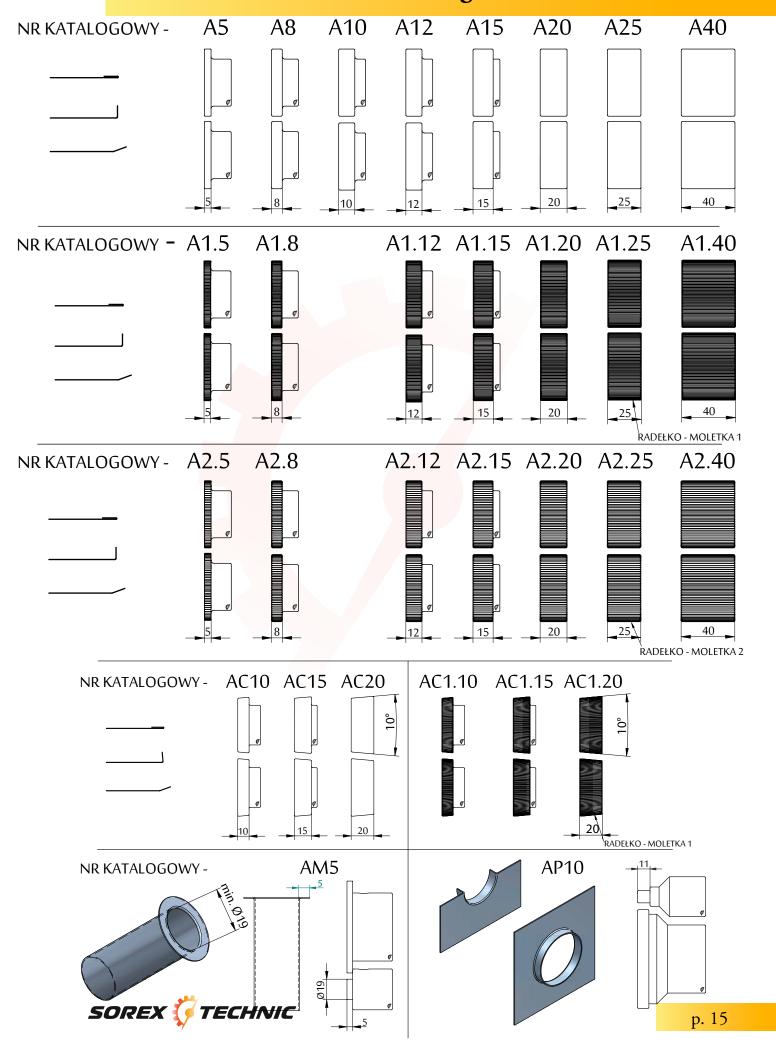


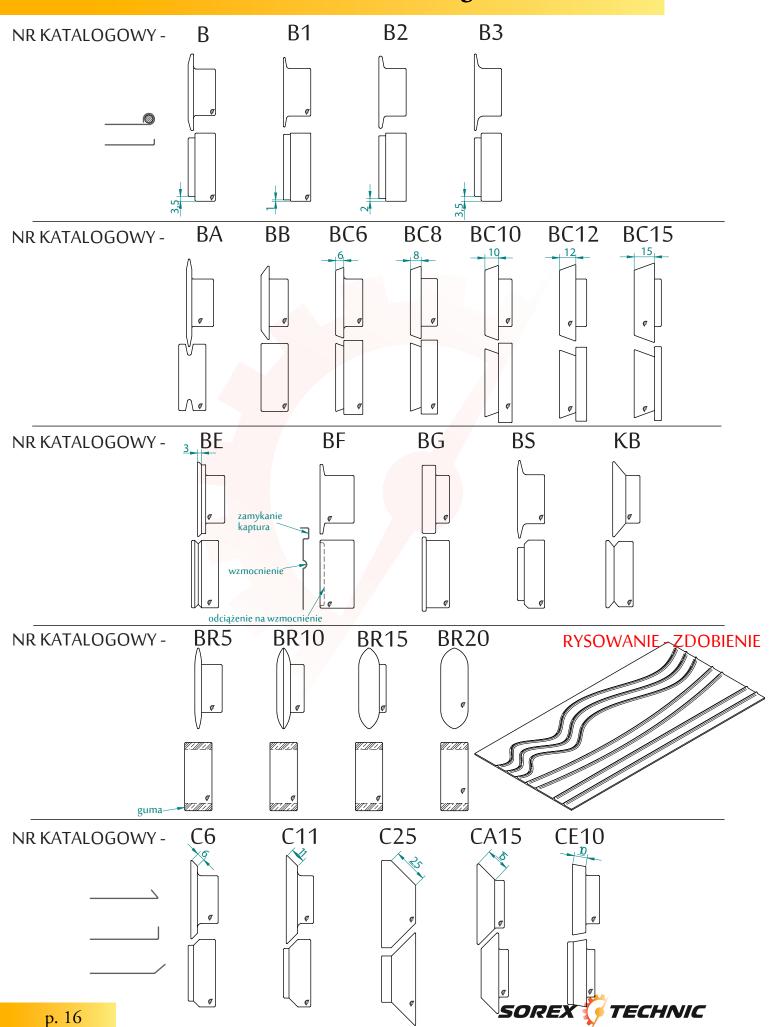


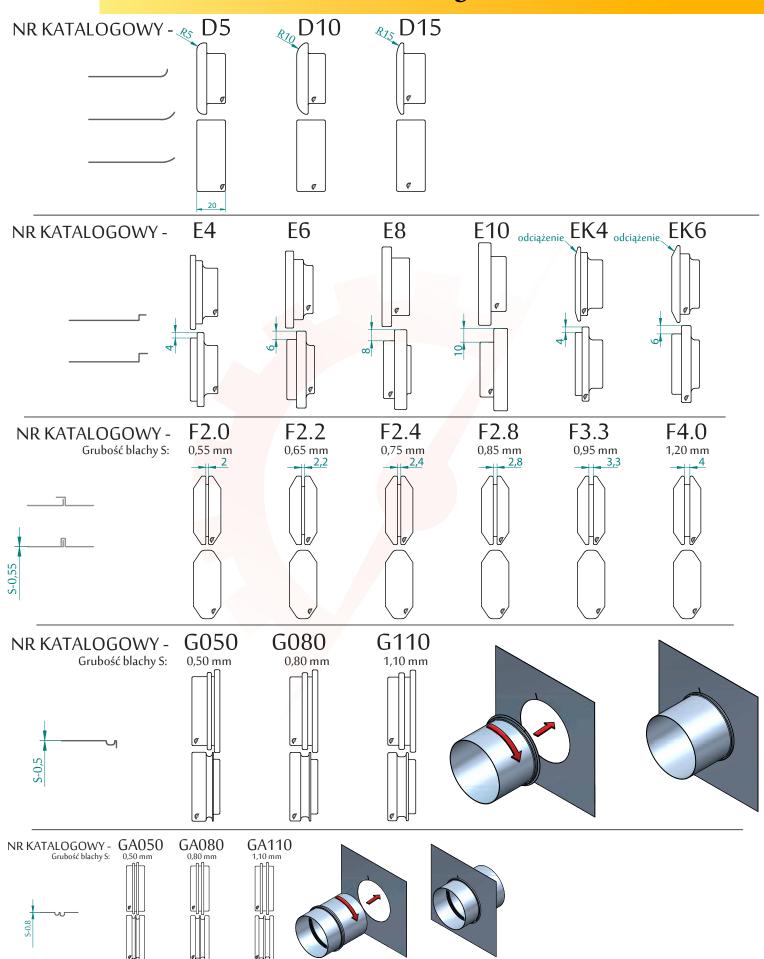




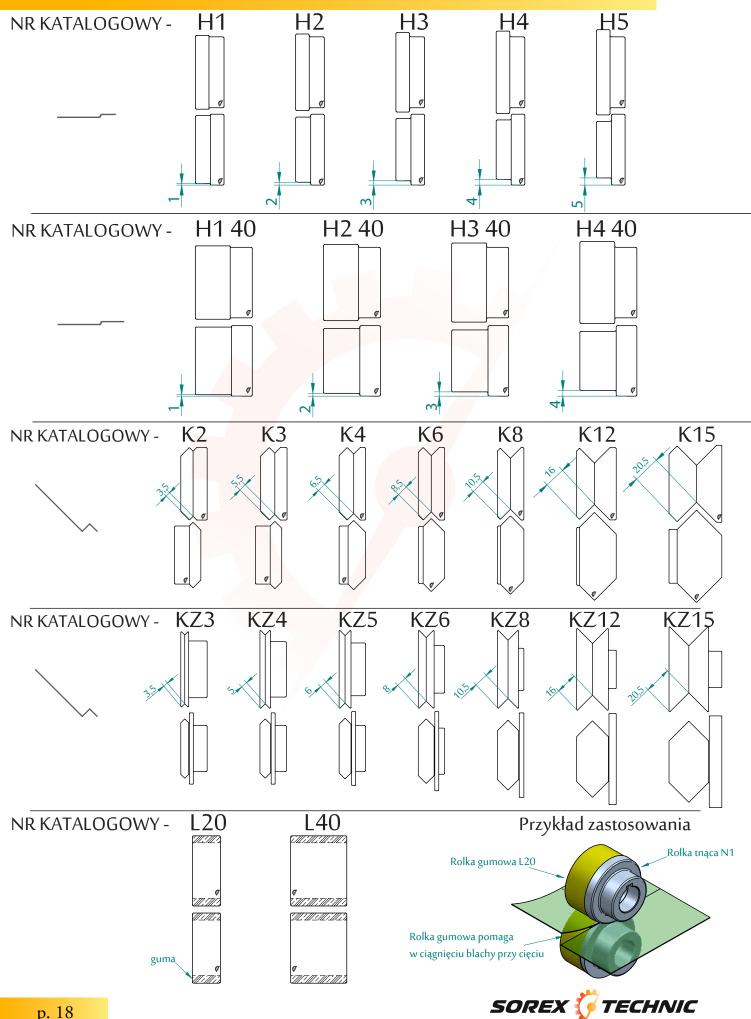


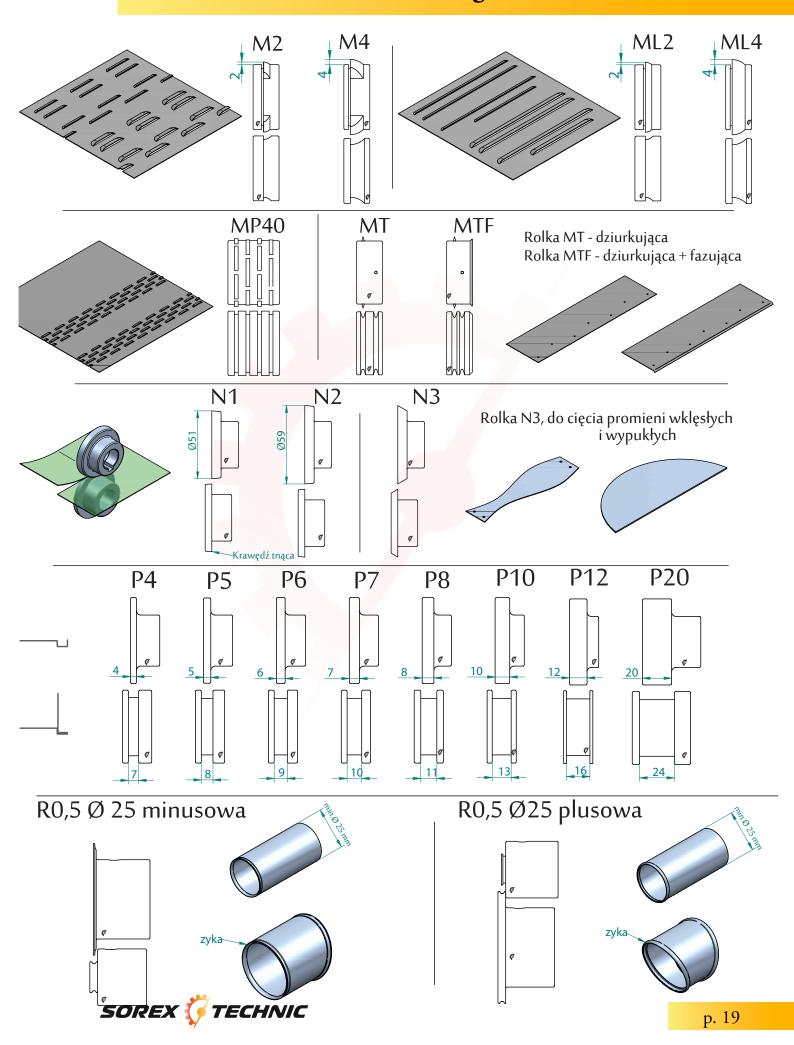


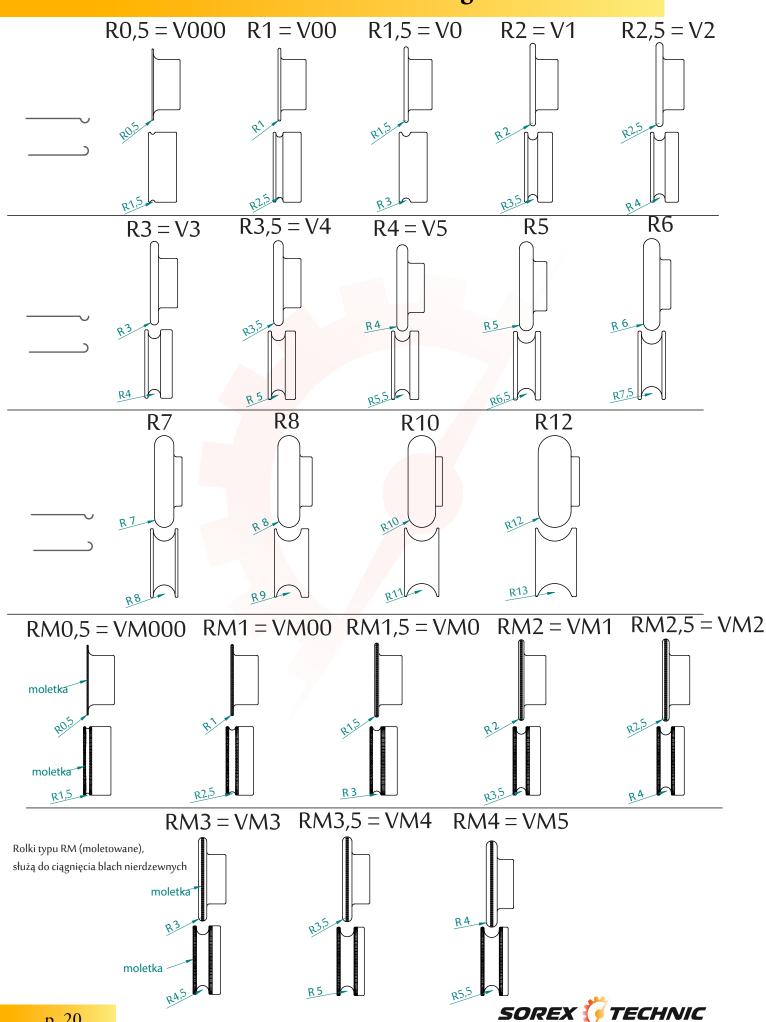




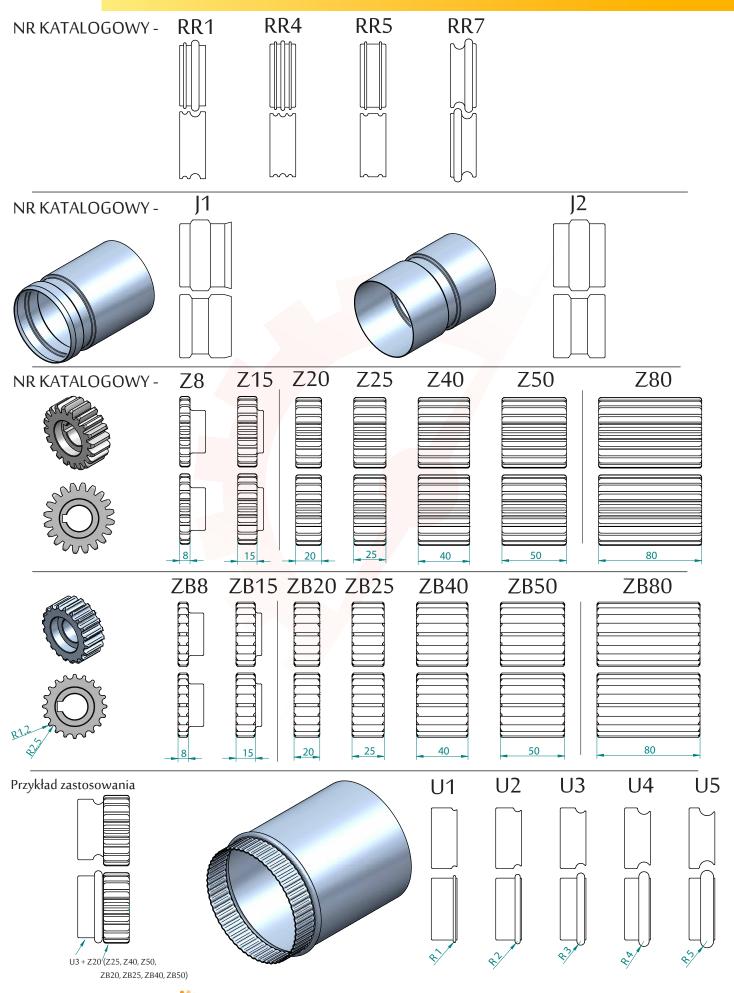


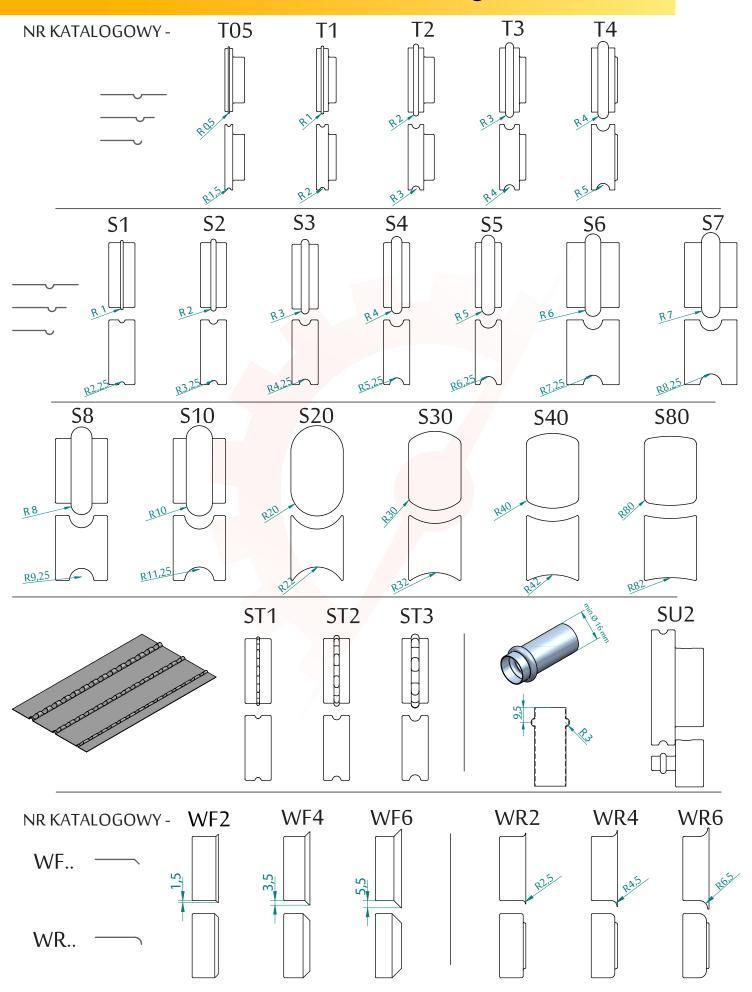


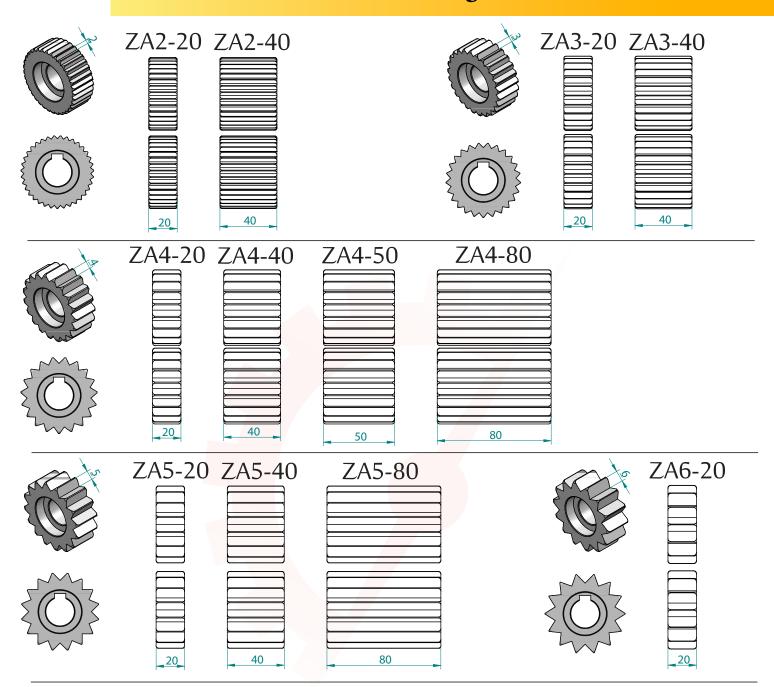




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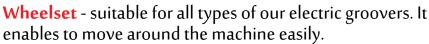




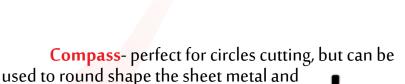


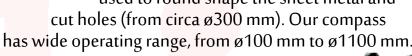
## **GROOVERS** - Additional equipement

Additonal equipment fot CW, CWM, CWMK beading & flanging machines (groovers)











## Base for manual beading & flanging machine

is suitable for CW-50.200 oraz CW-50.250 groovers. It also is equipped with additional roller hangers. With base and groover it is possible use wheelset to increase mobility.



## **GROOVERS - CW-50.70 Mounts**

Model	Photo	
Mount U-10 - mobile carpentry type mount - enables to mount the groover to the side of a worktop - thickness span from 10 mm to 50 mm		
Mount U-11 - mount enables to attach the groover to scaffolding during instalations - mounting on a ø 50 mm in diameter pipes		
Mount U-12 - adapter U-12 works with Mount U-15. It enables to mount the groover on vartical and horizontal spans of scaffoldings Use of those mounts provides better adjustment capabilities of the groover.		
Mount U-14 - universal mount. With use of two bolts enables to mount the groover on every flat surface for example, worktop, pallette, board.		
Mount U-15 - pipe with a ø50 mm in diameter and 90° angle, enables to mount the groover to vertical and horizontal span of a scaffolding (with use of U-11 or U-12)		



#### **GROOVERS** - Consumable materials

Rotary crank to move the upper shaft.





Clamping bolt for profile rollers





Hanger for profile rollers





Length bushes
- two types available, 15 i 20 mm
height





Spanner fo rollers





Crank for hand drive



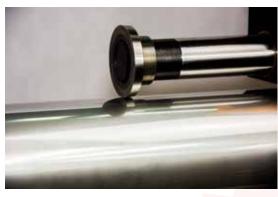




#### Pipe-cutting Machine

# **CRM-520** Pipe-cutting, beading and flanging machine

CRM-50.520 derives from our CWM-50. beading & flanging machines series wich enjoy trust and huge popularity among our clients.



This groover specially modified for pipe cutting and pipe machining allows the user to cut the min. ø60 diameter welded pipe for 520 mm in depth.

# Basic parameters:

• roll gauge: 50 mm

working depth: 520 mm

• max. thickness of machined sheet metal: 400 N/mm<sup>2</sup> - 0,80 mm

• supply voltage: 230 V, 50 Hz

• engine power: 0,74 kW, 1,5 kW or 2,2 kW

• working speed varies from 2 to 14 m/min, from 2 to 28 m/min and

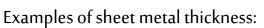
from 4 to 56 m/min

• stepless speed adjustment

right/left rotations

## Standard equipment:

- CRM-50.520 Pipe-cutting beading and flanging machine
- N-type cutting rollers
- regulated resistant stop plate
- spanner for rollers



- steel 0,8 mm
- INOX 0,6 mm
- aluminium 1,0 mm
- copper 0,8 mm





#### **Roll Former for ZRS**

## P-300 Roll Former

for Z.R.S. Sorex Bending machine

P-300 Roll Former is a modern tool for profiling and reinforcing flag sheet metal such as wall panels, decorative panels, elevation moulding, facades, lucarnes, verges of gutter flashing and others, according to your imagination.





Roll Former is a way to roofer's own style and individuality through creating and interesting and inimitable form. In a fast and easy way ypu can get unconventional effects, radiuses, bendings and strengthenings. As the saying holds: Sky (or operator's imagination) is the limit.

#### Standard equipment:

- P-300 Roll Former
- 2 sets of profile rollers: H2, S2
- fixing carriage for ZRS Sorex manual bending machine
- a 24 mm open wrench (to unscrew the profile rollers)
- a 16 mm ratchet (to unscrew the profile rollers)

#### P-300 Roll Former technical parameters:

- dimensions [length, width, height in mm] (750, 250, 460)
- weight: 27 kg
- working depth: 300 mm

- minimum distance of profiling from the edge of the bending

machine: 5mm

- maximum number of profiling rollers to set in one cycle: 4 sets

- independent regulation of pressure and side shift of lower and upper rollers

- regulation of pressure and side shift by the regulating screw



#### Mobile Groover CM-50.70

Mobile Groover CM-50.70 is the latest variation of the groovers. It is a product which allows to work with elements of unlimited diameter or length.

The work is done by manually moving the grooving machine along the stationary material couple of times and incresing the rollers pressure with each transition.

Alternative way of work is mounting the groover to table and sliding the material multiple times with increasing the pressuer of the rollers.



Additional advantages are the small dimensions of the tool, which allows it to be used comfortably on construction sites, and does not take up much space during transport.

A very important feature of the mobile grooving machine is the adjustment of the lower shaft position, which results in full compatibility with all our profiling rollers.



CM-50.70 model technical specifications:

- dimensions: [len. wd. ht. in mm] (180, 180, 200)
- weight: 2,4 kg
- working depth: 70 mm
- minimal profiling depth: 5 mm
- rollers pressure adjustment
- rollers gap adjustment

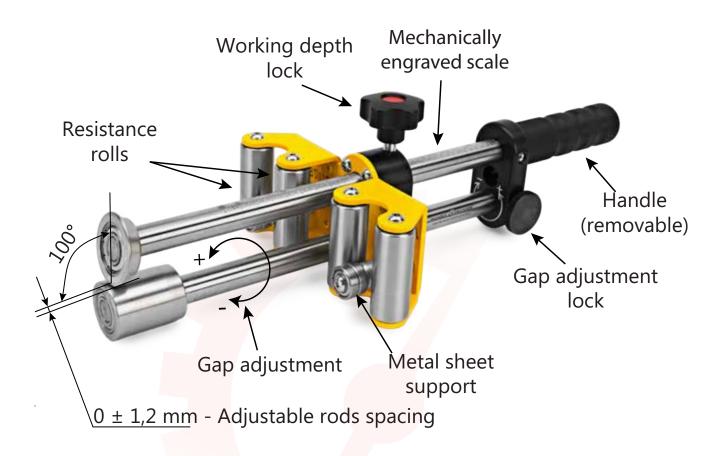
#### Standard equipment:

- Groover CM-50.70
- 2 sets of rollers (H1, S1)
- Working depth limiter
- Table mount



## **Roll Forming Machines - Benders**

## **ROLL FORMING MACHINES - BENDERS**









#### **Roll Forming Machines - Benders**

BENDERS prduct of SOREX TECHNIC are manual roll bending tools which allow for bending sheet steel both along a straight line and along a small and large radius.



Brand New, Advanced Benders of PRO and EXTREME series combine capabilities of Classic and Disc Benders and each of them add something more.



Thanks to the innovative technology, the length of bending is unrestricted. System of interactive pinch rolls allows the manual traverse along the edge of sheet metal with simultaneous increase of the angle of bending.

In our Classic series bending range varies from 0° to 100° (in MINI, UNO & DUO models) and from 90° to 180° (in UNO DISC and DUO DISC models).





#### **Roll Forming Machines - Benders**

In models PRO series and EXTEREME series there are possibility of replacement of the upper leading roll. There are now three types of upper leading roll, which are:

Roll R1 Roll R2 Roll R5







Another important change is in bending angles capabilites. In models of PRO and EXTREME Series there are two bending angle ranges. First is from 0° to 100° with full working depth 100 mm, 200 mm lub 350 mm accordingly to a model. The other range is similar for each of Benders. It spans from 90° to 180° and the working depth of this range is 20 mm.

Additionally, EXTREME series Benders have wider rods span, which reaches as far as 45 mm. That crucial advancement allows to create custom elements with multiple bends, all with one tool.



Uno Pro and Uno Extreme are equipped with R1 roller.



## **Classic Sinlge Benders**

#### **BENDER MINI 60A**

Bending range	Min. bending height	Max. bending height		Dimensions [length x width x height]	Weight
0°-100°	5 mm	60 mm	0,80 mm	185 x 45 x 85 mm	0,60 kg





#### BENDER UNO 60

Bending range	Min. bending height	Max. bending height		Dimensions [length x width x height]	Weight
0°-100°	5 mm	60 mm	0,80 mm	210 x 90 x 105 mm	1,10 kg

#### BENDER UNO 100

Bending range	Min. bending height	Max. bending height		Dimensions [length x width x height]	Weight
0°-100°	5 mm	100 mm	0,80 mm	250 x 9 <mark>0 x 105 mm</mark>	1,30 kg





## BENDER UNO 250

Bending range	Min. bending height	Max. bending height		Dimensions [length x width x height]	Weight
0°-100°	5 mm	250 mm	0,80 mm	350 x 130 x 105 mm	2,30 kg

#### **BENDER UNO 350**

		. 22.12			1	
Bending range	Min. bending height	Max. bending height		Dimensions [length x width x height]	Weight	
0°-100°	5 mm	350 mm	0,80 mm	500 x 130 x 105 mm	2.30 kg	
					1	



## **Classic Double Benders**



#### BENDER DUO 60

Bending range	Min. bending height	Max. bending height		Dimensions [length x width x height]	Weight
0°-100°	5 mm	60 mm	0,80 mm	210 x 180 x 105 mm	2,10 kg

#### **BENDER DUO 100**

Bending range	Min. bending height	Max. bending height		Dimensions [length x width x height]	Weight
0°-100°	5 mm	100 mm	0,80 mm	250 x 180 x 110 mm	3,35 kg





#### BENDER DUO 250

Bending range	Min. bending height	Max. bending height		Dimensions [length x width x height]	Weight
0°-100°	5 mm	250 mm	0,80 mm	400 x 280 x 110 mm	3,95 kg

#### BENDER DUO 350

Bending range	Min. bending height	Max. bending height		Dimensions [length x width x height]	Weight
0°-100°	5 mm	350 mm	0,80 mm	500 x 220 x 110 mm	4,90 kg





#### **Disc Benders**



## BENDER UNO DISC 12

Bending range	Min. bending height	Max. bending height	Max. sheet metal thickness	Dimensions [length x width x height]	Weight
90°-180°	8 mm	12 mm	0,80 mm	155 x 35 x 140 mm	0.60 kg

#### BENDER UNO DISC 20

Bending range	Min. bending height	Max. bending height		Dimensions [length x width x height]	Weight
90°-180°	8 mm	20 mm	0,80 mm	125 x 80 x 100 mm	0.65 kg



## BENDER UNO DISC 40

Bending range	Min. bending height	Max. bending height		Dimensions [length x width x height]	Weight
90°-180°	8 mm	40 mm	0,80 mm	125 x 120 x 140 mm	1,00 kg





## BENDER DUO DISC 12

Bending range	Min. bending height	Max. bending height		Dimensions [length x width x height]	Weight
90°-180°	8 mm	12 mm	0,80 mm	155 x 75 x 140 mm	0.85 kg

#### **BENDER DUO DISC 40**

Bending range	Min. bending height	Max. bending height		Dimensions [length x width x height]	Weight
90°-180°	8 mm	40 mm	0,80 mm	125 x 250 x 140 mm	3.20 kg





## Advanced Benders - type PRO

#### TWO BENDING RANGES: from 0° to 100° and from 90° to 180°



#### **BENDER UNO 100 PRO**

		Max. bending height 90°-180°	Max. metal sheet thckness	Dimensions [length x width x height]	Weight
5 mm	100 mm	20 mm	0,80 mm	290 x 120 x 105 mm	1,70 kg

In Uno 100 PRO the R1 roller is mounted as standard

#### **BENDER UNO 200 PRO**

		Max. bending height 90°-180°	Max. metal sheet thckness	Max. metal Dimensions sheet thckness [length x width x height]	
5 mm	200 mm	20 mm	0,80 mm	390 x 160 x 105 mm	2,30 kg



In Uno 200 PRO the R1 roller is mounted as standard



#### BENDER UNO 100 PRO

		Max. bending height 90°-180°	Max. metal sheet thckness	Dimensions [length x width x height]	Weight
5 mm	350 mm	20 mm	0,80 mm	540 x 160 x 105 mm	2,75 kg

In Uno 350 PRO the R1 roller is mounted as standard

#### **BENDER DUO 200 PRO**

		Max. bending height 90°-180°	Max. metal sheet thckness	Dimensions [length x width x height]	Weight
5 mm	200 mm	20 mm	0,80 mm	350 x 280 x 105 mm	4,25 kg



#### **BENDER DUO 350 PRO**

Min. bending height	U	Max. bending height 90°-180°	Max. metal sheet thckness	Dimensions [length x width x height]	Weight
5 mm	350 mm	20 mm	0,80 mm	495 x 280 x 105 mm	5,15 kg

## Advanced Benders - type EXTREME

# TWO BENDING RANGES: from 0° to 100° and from 90° to 180° WIDER RODS SPAN up to 45 mm



## BENDER UNO 100 EXTREME

Min. bend- ing height		Max. bending height (90°-180°)	Max. sheet metal thickness	Dimensions [length x width x height]	Weight
5 mm	100 mm	20 mm	0,80 mm	290 x 120 x 115 mm	1,95 kg

In Uno 100 EXTREME the R1 roller is mounted as standard

#### BENDER UNO 200 EXTREME

Min. bend- ing height		Max. bending height (90°-180°)	Max. sheet metal thickness	Dimensions [length x width x height]	Weight
5 mm	200 mm	20 mm	0,80 mm	390 x 160 x 115 mm	2,65 kg

In Uno 200 EXTREME the R1 roller is mounted as standard



# Min. bending height (0°-100°) 5 mm 350 mm

#### **BENDER UNO 350 EXTREME**

	BEI TO EIT OF TO BO EXTINE						
. bend- height	Max. bending height (0°-100°)	Max. bending height (90°-180°)	Max. sheet metal thickness	Dimensions [length x width x height]	Weight		
mm	350 mm	20 mm	0,80 mm	540 x 160 x 115 mm	3.10 kg		

In Uno 350 EXTREME the R1 roller is mounted as standard

#### BENDER DUO 200 EXTREME

Min. bend- ing height		Max. bending height (90°-180°)	Max. sheet metal thickness	Dimensions [length x width x height]	Weight
5 mm	200 mm	20 mm	0,80 mm	350 x 160 x 115 mm	5.05 kg





## BENDER DUO 350 EXTREME

Min. bend- ing height	U	Max. bending height (90°-180°)	Max. sheet metal thickness	Dimensions [length x width x height]	Weight
5 mm	350 mm	20 mm	0,80 mm	495 x 160 x 115 mm	5,95 kg



#### PIPE EXPANDER

# **Expander for Pipes**

Expander

Essential tool for extending the diameter of gutters and downspouts to connect the emptying hose with coupler.

It can be used to expand seamed and welded pipes made of copper, aluminium, zinc and stainless steel. It is small and lightweight.

Available diameters of our Expanders:

ø 50 mm

ø 60 mm

ø 75 mm

ø 76 mm

ø 80 mm

ø 87 mm

ø 90 mm

ø 100 mm

ø 110 mm

ø 120 mm

ø 125 mm

ø 130 mm

ø 150 mm

ø 180 mm









There is a possibility of regulation expanders' diameter by a replacement of rollers.

Roller diameter	Change of expander's diameter
ø 19,00 mm	-1,00 mm
ø 19,25 mm	-0,75 mm
ø 19,50 mm	-0,50 mm
ø 19,75 mm	-0,25 mm
ø 20,00 mm	NORM
ø 20,00 mm ø 20,25 mm	+0,25 mm
,	
ø 20,25 mm	+0,25 mm
ø 20,25 mm ø 20,50 mm	+0,25 mm +0,50 mm
ø 20,25 mm ø 20,50 mm ø 20,75 mm	+0,25 mm +0,50 mm +0,75 mm

This Expander is equipped with standard hexagonal ending HEX-12 of 150 mm length. We offer various fixing systems and ending lengths.





Additional fixing endings in the following systems:

- HEX-12 (hexagon) — lengths 150, 200, 400, 550 mm

- SDS plus - lengths 150, 200, 400 mm

- SDS max - lengths 150, 200, 400 mm

- SOREX TECHNIC Groover adapter (it increases the speed and work conditions)

#### **CHIMNEY MOCK MOULD**

SK-1350 Chimney mock mould

Our new, multi-universal tool is designed for a chimney tinworks of 0° to 50° inclination angle and, moreover, roof windows and lukarnes. Easy handling enables an easy and trouble free work.

What's more, the machine can be operated by one person only. The usage of our Chimney Mock Mould guarantees maximum quality at the short time of work.

The main advantage of our Chimney Mock Mould is a full replacement of fixed angle moulds and a forming pipe to a pipe required diameter. Our machine is produced in 100 to 1350 mm working version. Regulation of width is performed with stepless adjustment on gear rack which allowes the repetitiveness and inflexibility.

#### Standard equipment:

- two stencils (roof angle 20°-30° and 30°-40°)
- special scribing block of 8 mm shift
- radius forming pipe
- lower shelf for accessories and tools
- labour-saving supporting shelves at the mock moulds
- twist-off legs with wheels and two brakes (to increase mobility)

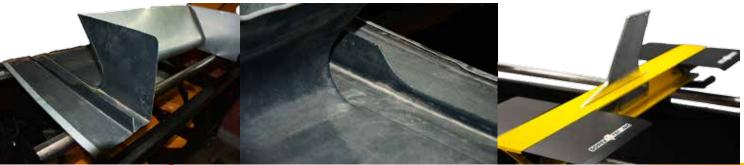
#### Additional equipment:

- mock moulds 0° (roof window), 20°-30°, 30°-40° and 40°-50°
- special scribing block of: 6 mm, 8 mm, 10 mm
- special ball pein hammers with radiuses
- hitting arbour

#### Technical parameters:

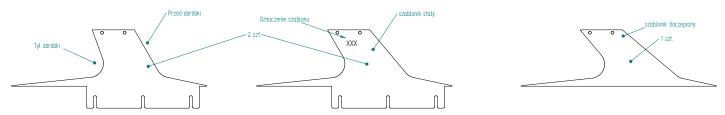
- length 1540 mm
- width -1150 mm
- height 1000 mm
- maximal working width 1350 mm
- weight (with basic equipment) -180 kg



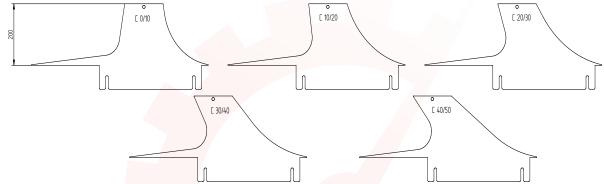


#### Additional stencils for SK-1350

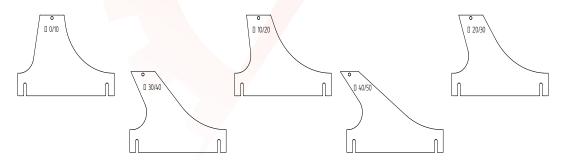
Each roof angle stencil contains two bigger parts with mounting to the chimney mock mould and one smaller which is used when the component is tapped:



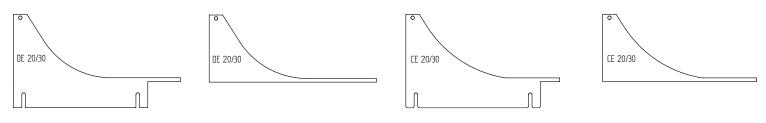
Stencils - type C - with elongated front and back of the tinwork, it is commonly used in case when the roof i covered with any sort of tiles. Stencils marks C20/30 means possible range of roof angle to prepare the tinwork for.



Stencils - type D - with elongated front and back of the tinwork, it is commonly used in case when the roof i covered with any sort of steel. Stencils marks D20/30 means possible range of roof angle to prepare the tinwork for.

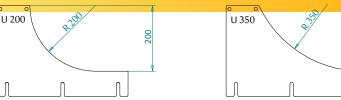


Stencil - types CE and DE - additiona to stencil C and D respectively. They were designed to ease the job of forming front seam of the tinwork in the direction of water. Type CE 20/30 is compatible only with stencil C 20/30, and so on. A set of stencils CE or DE contains one big part and one smaller one.

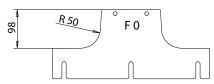




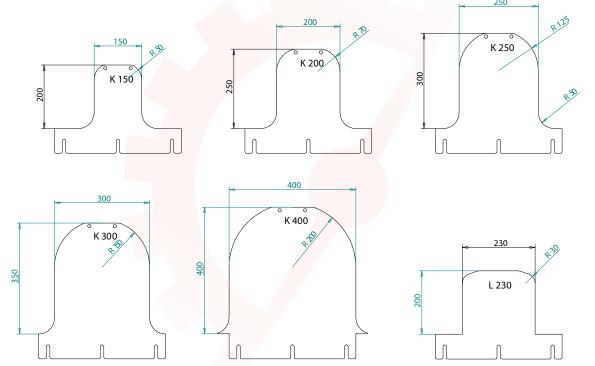
#### U-type Stencils - universal stencil for front of the chimney flashing.



F-type Stencil - for roof windows (FAKRO - VELUX) specially shortened from height for the needs of modern roof windows from leading manufacturers. Thanks to it, you can easily make window treatment in the color of the roof slope.



L and K - type Stencils - designed for manufacturing drain baskets of different size

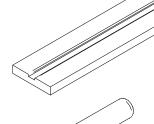


Additional accessories for Chimney Mock Mould



- Hitting arbour





- Appliance for seam flattening



- Radial Scriber R = 8 mm



- Radial Scriber R = 12 mm



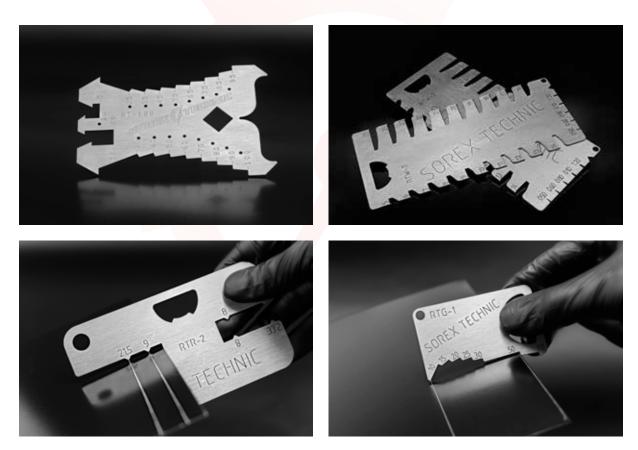
- Radial Scriber R = 10 mm



- Radial Scriber R = 20 mm

# **SCRIBER, MARKING TOOL - RAYZA**





Marking tools are used to scribe lines parallel to the edge of the metal sheet on fixed dimensions.

Our Scribers are made from high quality stainless steel, which is additionally hardened with high temperatures to provide high durability.

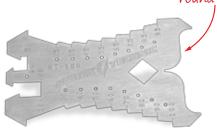
All of the engravings are made with mechanical method which ensures of durability and abrasion resistance.



## **MARIKING TOOLS - RAYZY**

#### Scriber RT-100

Function of marking the 90° bend of the round bead edge





Symbol	Working range	Dimensions (len. x wd.)
RT-100	5-100 mm, every 5 mm	135 mm x 90 mm

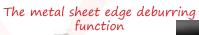
#### Scriber RT-200





Symbol	Working range	Dimensions (len. x wd.)
RT-200	5-20 and 100-200 mm, every 5 mm	235 mm x 135 mm

#### Scriber RT-300



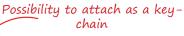




Symbol	Working range	Dimensions (len. x wd.)
RT-300	5-20 and 200-300 mm, every 5 mm	335 mm x 135 mm

#### Scriber RTG-1







Symbol	Working range	Dimensions (len. x wd.)
RTG-1	10-30 mm (every 5 mm); 50 mm; 60 mm	66,5 mm x 40 mm



## **MARKING TOOLS - RAYZY**

#### **Seam Scriber RTR-2**

Possibility of marking all of the dimensions of the single and double standing seam with one go





Symbol	Working range	Dimensions (len. x wd.)
RTR-2	8; 9; 21,5; 33,5; 48 mm	126,5 mm x 70 mm

#### **Scriber RTW-1**



Abrasion resistant mechanical engrave



Symbol	Working range	Dimensions (len. x wd.)
RTW-1	6; 9; 14; 20; 24; 29; 34; 44 mm	84 mm x 70 mm

#### Scriber RTW-2





Symbol	Working range	Dimensions (len. x wd.)
RTW-2	8; 9; 15; 20; 21,5; 25; 33,5; 48 mm	84 mm x 70 mm

#### Scriber RTW-3





Symbol	Working range	Dimensions (len. x wd.)
RTW-3	8; 9; 10; 21,5; 33,5; 47 mm	84 mm x 52,5 mm



## **MARKING TOOLS - RAYZY**

#### Scriber RTW-4





Symbol	Working range	Dimensions (len. x wd.)
RTW-4	11; 12; 13; 14; 16; 17; 18; 19 mm	55 mm x 60 mm

#### **Scriber RTW-5**





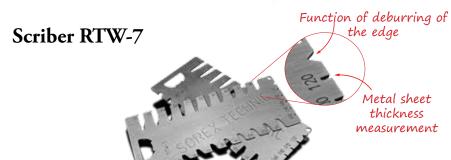
Symbol	Working range	Dimensions (len. x wd.)
RTW-5	11; 13; 17; 23; 26; 28; 36; 63 mm	109 mm x 85 mm

#### Scriber RTW-6





Symbol Working range		Dimensions (len. x wd.)
RTW-6	8· 16· 18· 22· 24· 25· 30· 33 mm	74 mm x 76 mm





Symbol	Working range	Dimensions (len. x wd.)
RTW-7	5 - 25 mm, every 1 mm	185 mm x 80 mm

Thickness measuring range: (0,5; 0,6; 0,8; 1; 1,2 mm); Edge deburring of the metal sheet



## **MARKING TOOLS - RAYZY**

## Scriber RTW-8





Symbol	Working range	Dimensions (len. x wd.)
RTW-8	8; 16; 33 mm	80 mm x 68 mm

## **RM-100 HandRoll**

## RM-100 HandRoll

RM-100 HandRoll is a tool designed for manual stamping of sheet metal. It allows you to create a unique patterns on a sheet of metal.





Parametry techniczne:

- disc diameter 100 mm
- available radius of the edge of the discs: R0,5; R1; R2; R4; R7; R15

RM-100 allows to create the iniital bending line of unlimited length also.

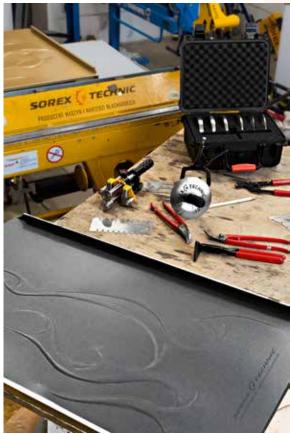




## RM-100 HandRoll



Wykonanie Pro-Dach Paweł Bojzan



Wykonanie Pro-Dach Paweł Bojzan

With its help, it is possible to get amazing patterns on panels that are then mounted as ridge tiles or on fences and facades.



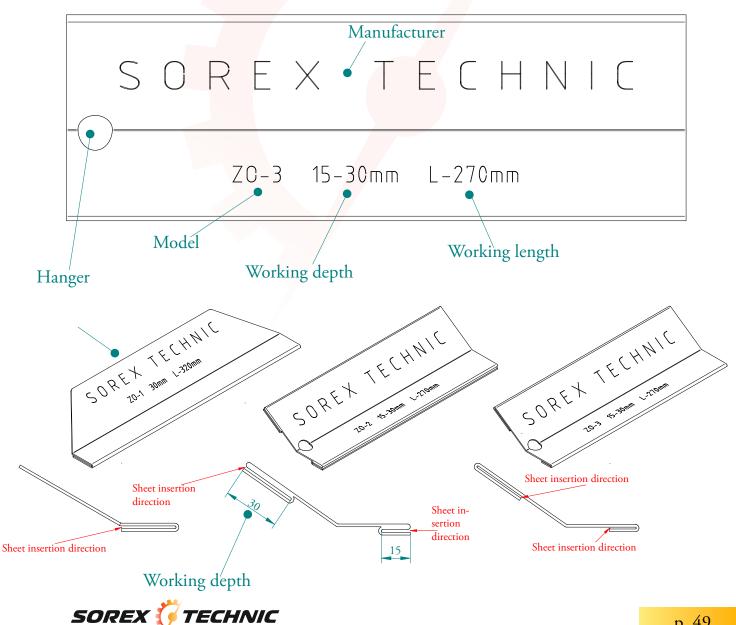
Przy pracy Pro-Dach Paweł Bojzan



# **Edge folders**



An indispensable tool for every construction sheet metal worker. It is used for manual bending of sheet metal, directly at the construction site as well as for the production of semi-finished products in the workshop. The tool is helpful in making eaves, window sills, panels, seams, attics, firewalls, cornices, caps or profiling chimneys.



Due to the large veriety of models of the Edge Folders everyone can choose the type od folder suitable for him. Edge Folders are divided into three main categories according to the way of sheet insertation. Additionally each of those groups divide into different depths and working lengths. The tools are of very good quality, made of stainless steel and have a subtle finish.

#### Available models

Available models				
Type / Symbol		Working depth (mm)	Working length (mm)	
	ZO-1.1	30	320	
	ZO-1.2	30	530	
	ZO-1.3	30	600	
	ZO-2.1	15/30	270	
	ZO-2.2	15/30	470	
	ZO-2.3	20/40	270	
	ZO-2.4	20/40	470	
	ZO-2.5	25/50	320	
	ZO-3.1	15/30	270	
	ZO-3.2	15/30	470	
	ZO-3.3	20/40	270	
	ZO-3.4	20/40	470	





# Groove Folder with adjustable width of slit DFS-1



Fast, useful tool designed for a precise clamping the pre-bent groove in one duty cycle. Perfect for tasteful finish of eaves and larmiers.

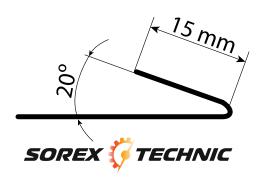
It closes the groove and thanks to its construction it neither breaks the sheet metal nor damages the surface.

Adjustability of the tool in two planes allows to use it with different sheet metal thicknesses without any precision loss.

Side regulation of last pair of pinch rollers is our novelty. Such regulation increases the range of possibilities of the Folder making it a universal and all-embracing tool.

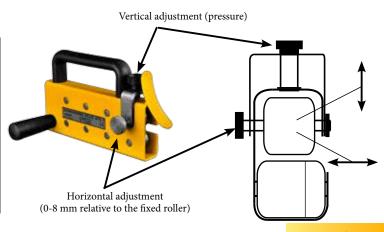
Moreover, its construction has been reinvented so now it allows bending the sheet metal at the 45° bending angle.

Pre-bend on Sorex Folding Machine









## **Seam Folders**

Manual Roofing Seam Folders are used to connect pre-bent sheets witha a fold into an angular standing seam and a double standing seam. The great advantage of our folding devices is their versatility. You can perform two operations: closing the angular standing seam, and after turning the tool by 180°, double standing seam. We offer three types of seam folders:

**KR-210 Model** is a classic universal seam folder made of steel with 210 mm working length.



**KRP-210 Model** is a seam folder made of steel with teflon linings with 210 mm working lenght.



**KRP-70 Model** is a seam folder made of steel with teflon linings and with 70 mm working lenght. Due to compact built it is designed to use it in hard-to-reach places and to close the seam on domes or other round constructions.



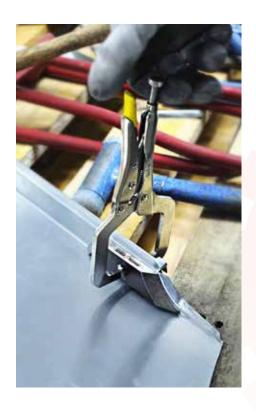


Thanks to the use of teflon linings, the KRP-210 and KRP-70 models do not scratch the sheet



KSC-1 Griplocking Pliers for standing seam forming

A professional tool for marking and profiling the ends of a standing seam. The use of clamps allows for achieving symmetrical ends on each of the seams.



The pliers allow for forming the edge into an arc (so-called tear) or diagonally at an angle of 45°. Thanks to the use of the closing mechanism, hammering down is possible directly on the pliers.





A plate is available for KSC-1 pliers, allowing for prefabrication of flashings in the workshop.

## **OR-1 Seam Opener**

A fine tool that strikes you with the simplicity of its design. It allows for quick and trouble-free work, it is used to open closed standing seams, both single and double.



## WR-165 Batten extractor

This item helps to remove battens, (patches) and nails. It is equipped with a rubber handle. This allows the worker to grasp the tool firmly during work. Also it improves comfort and safety of the worker. Construction of this tool is simple so it helps to work fast and efficiently.

The unique profile of our extractor causes the patches to be removed by pressing downwards, which increases the safety of the work.



Gutter Hanger Bender

Tongs used for bending the gutter hooks with smooth scale regulation of bending angle and angle fender. New bearing construction guarantees durabilty and reliablity.



It has special system minimalizing damages to electrolytic coating on bending surface. Additionally, there are comfortable handles coverd with non-skid rubber for troublefree work.

Max. thickness of bended material: 8 mm





# GB-500 batten fixing gauge



The GB-500 batten gauge is made of galvanized steel closed profiles and varnished steel C-profiles. The structure is characterized by high durability and resistance to external factors. Robust workmanship and simplicity of construction make this device a reliable help for every roofer.

The product has a wide working range, both the batten spacing parameters (14 cm to 50 cm) and the batten width (from 2 cm to 10 cm) make it a universal tool and allow you to work on any type of roof.

Additionally, setting the spacing is facilitated by an engraved scale.



SOREX TECHNIC

In order to optimize the work and increase the accuracy of the selected setting, it is recommended to use two GB-500 gauges at the same time.

#### Technical parameters:

• Batten width range: 2 cm - 10 cm

• Max spacing of battens: 500 mm

• Min. Spacing of battens: 140 mm

• Dimensions:  $550 \times 55 \times 60 \text{ mm}$ 

• Weight: 1.45 kg



## **Beads Arch Rounder GW-1**

It is used to make decorative and utility elements of sheet metal fittings. With its help, it is possible to shape the layer into any arch, both internal and external. The special design of the bender allows for a quick change of the three working modes: concave or convex.



The Beads Arch Rounder is one of the few devices that a building tinsmith can use to embellish our gray reality. The GW-1 bender will significantly contribute to achieving true craftsmanship in your work.



Such flashings can be used as the endings of terraces, cornices, window sills, arched windows, etc. This tool is very useful in the work of reconstructing historic buildings or carrying out ambitious architectural projects.



# GD series Roofing Depth gauge calipers

Roofing depth gauge calipers are a useful tool when working with the ZRS Folding Machine. Especially when there is only one person operating the machine. They allow for precise setting of the bending width without the need to check the dimensions several times.





Depth gauge calipers allow for quick, precise and error-free execution of both plus and minus bends.

Additional advantages are: the speed of changing the dimensions and the system protecting against undesirable distortion of the dimensions by sliding the measure under the pressure beam

Depth gauge calipers are available in three versions:

Model GD-150 - 150 mm working depth Model GD-300 - 300 mm working depth

Model GD-600 - 600 mm working depth





# FR type Roll tile edger

FR type Roll tile edger, also known under the traditional name "Roller stork", is a tool designed especially for sheet metal workers. It is used to mark the bending line in many types of flashings, including: chimney flashings, wall flashings, corners, caps, baking pans, baskets behind dormer windows.





Parameters of the FR-200 model:

Working length: 200 mm

Overall length: 350 mm

Height: 60 mm Width: 30 mm Weight: 1 kg



Parameters of the FR-350 model:

Working length: 350 mm
Overall length: 500 mm

Height: 60 mm Width: 30 mm Weight: 1,4 kg

The main design goal was to facilitate the bending of the sheet in a way that avoids its notching. The tool significantly simplyfies and improves the process of making flashings and architectural elements of the construction sheet metal machine.



This approach to working with sheet metal allows for an increase in the service life of the elements, increasing the degree of tightness of the flashings, greater durability and higher aesthetics of workmanship. Such details attract attention and are appreciated by a satisfied customer.





## **BENDING MACHINES**

# Manual Bending Machines by SOREX



Constantly improved, but still classic construction allows the user to keep huge rigidity and full & high-ranged regulation of the machine. Thanks to this, parameters of the machine are preserved in aspic for many working years.

Wide range of bending machines allows the user to choose the perfect machine according to their needs.

In our offer there are not only short bending machines (660 mm of working length) perfect for bending thicker sheet metals (up to 2.0 mm), but also universal machines ZRS 2160 and ZRS 2360 which are widely sold in Poland and abroad. Moreover, we also have heavy machines (up to 4160 mm working length), perfect for bending long sheet metals up to 0,8 mm thick.





You can also purchase a wide range of additional equipment which improves and speeds work up.

Our machines are famous for their production quality. Thanks to this, we have lots of satisfied customers.



## **BENDING MACHINES - Models**



#### Z.R.S. - 600 mm

Max. metal sheet thickness	Length	Width	Height	Weight
2,00 mm	880 mm	200 mm	556 mm	80 kg

#### Z.R.S. - 1160 mm

Max. metal sheet thickness	Length	Width	Height	Weight
1,50 mm	1480 mm	660 mm	1000 mm	110 kg





## Z.R.S. - 1660 mm

Max. metal sheet thickness	Length	Width	Height	Weight
1,50 mm	1910 mm	660 mm	1000 mm	185 kg

## Z.R.S. - 2160 mm

Max. metal sheet thickness	Length	Width	Height	Weight
1,00 mm	2500 mm	660 mm	1000 mm	244 kg





## Z.R.S. - 2360 mm

Max. metal sheet thickness	Length	Width	Height	Weight
1, <mark>00 m</mark> m	2650 mm	660 mm	1000 mm	250 kg

## Z.R.S. - 2660 mm

Max. metal sheet thickness	Length	Width	Height	Weight
0,80 mm	2950 mm	660 mm	1000 mm	304 kg





## Z.R.S. - 3160 mm

Max. metal sheet thickness	Length	Width	Height	Weight
0,70 mm	3550 mm	660 mm	1000 mm	415 kg



## **BENDING MACHINES - Additional equipement**

NKS-1,25 Rotary Shears (in a foam-filled bag)

Length	Width	Height	Weight
260 mm	250 mm	220 mm	6 kg



Spanners Kit to adjust the machine

Length	Width	Height	Weight
350 mm	150 mm	50 mm	1,3 kg



First aid kit

Length	Width	Height	Weight
220 mm	55 mm	55 mm	0,25 kg



Spare cutting discs for NKS-1,25 (2 pcs)

Length	Width	Height	Weight
80 mm	80 mm	30 mm	1 kg



Back table 1m + back fenders and a bag

Length	Width	Height	Weight
1050 mm	150 mm	50 mm	10 kg



Extension of the back table by 1m \_

Length	Width	Height	Weight
1050 mm	150 mm	50 mm	3 kg



Support of the back table

Length	Width	Height	Weigh
1050 mm	200 mm	200 mm	0,5 kg





## **BENDING MACHINES - Additional equipement**

Angle setting disc from 0° to 160°

Length	Width	Height	Weight
160 mm	160 mm	10 mm	0,3 kg



Single position bending plate angle limiter (ranged 0°-160°)

Length	Width	Height	Weight
520 mm	35 mm	65 mm	1,5 kg



Four angle limiters of bending plate (ranged 4x 0°-160°)

Length	Width	Height	Weight
570 mm	100 mm	100 mm	4 kg



Front limiters (cutting stripes) –

Length	Width	Height	Weight
630 mm	30 mm	220 mm	1,5 kg



Back fenders with a 1000 mm scale 2 pcs.

Length	Width	Height	Weight
105 <mark>0m</mark> m	150 mm	50 mm	3,25 kg



Side fenders of the sheet metal

Length	Width	Height	Weight
830 mm	60 mm	50 mm	1,9 kg



Side handles 2 pcs.

Length	Width	Height	Weight
400 mm	27 mm	27 mm	1,2 kg





## **BENDING MACHINES - Additional equipement**

Fourside sheet metal bending, baking-pan shape

Length	Width	Height	Weight
470 mm	150 mm	140 mm	6,5 kg



Bending beam support — actuators

Length	Width	Height	Weight
1040 mm	30 mm	30 mm	3 kg



Pedals – foot opening/closing –

Length	Width	Height	Weight
1350 mm	500 mm	100 mm	27 kg



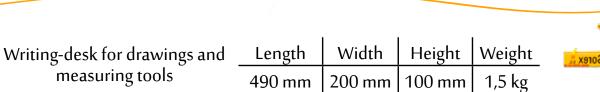
Step-on wooden platform (prevents machine from moving)

Length	Width	Height	Weight
1300 mm	350 mm	130 mm	7,5 kg



Cut plates clamping bar

Length	Width	Height	Weight
L maszyny	60 mm	60 mm	3,5 kg



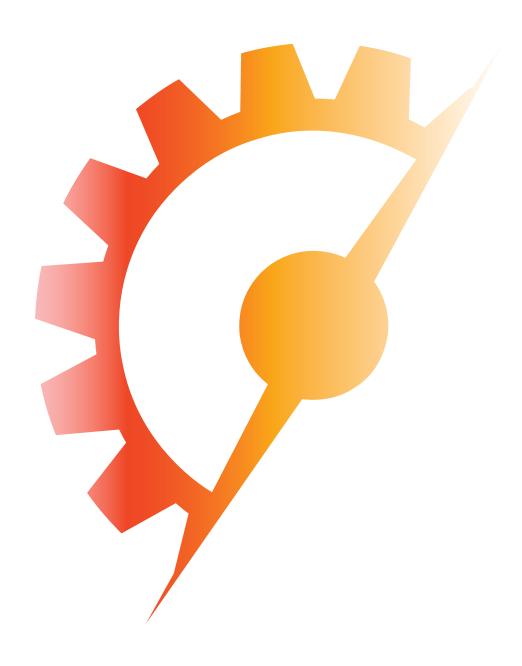


Cover for the machine

Length	Width	Height	Weight
600 mm	400 mm	100 mm	1,5 kg







#### **SOREX TECHNIC**

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