

***Factory of metal products  
"Be-Be"  
Bajina Basta***

***PRESENTATION***



**Name:** Factory of metal products “Be-Be”

**Adress:** 12. september 30, Bajina Basta, Serbia

**Basic activity:** Production of mechanical tools and equipment

- › Climbers for wooden or concrete posts,
- › Rivet pliers,
- › Hoists & Pullers.

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**Finance:** +381 31 865 549



# Climbers for wooden posts PDS

Climbers are adjusted with SRPS Z-B1.055-Climbers for wooden posts for wirings (previously standards JUS Z. B1.055)

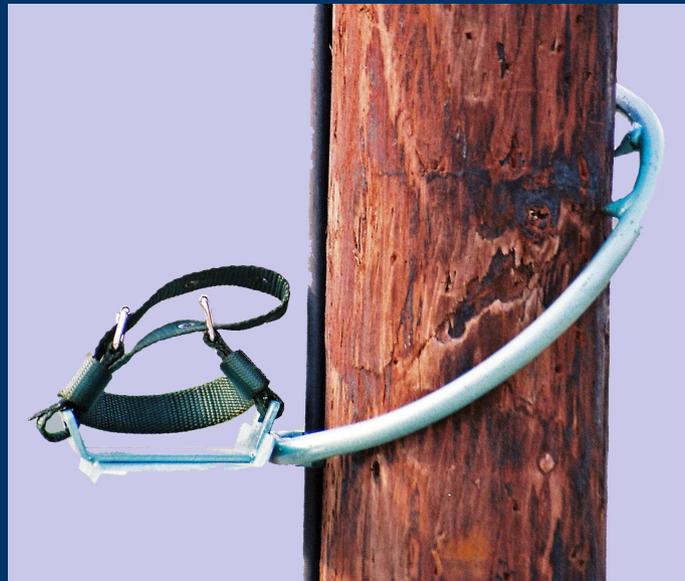
Quality control and approved by IMS Institute Belgrade.

Type	PDS-220	PDS-240	PDS-260	PDS-280	PDS-300
Diameter of post [mm]	120-220	140-240	160-260	180-280	210-280
Weight [kg]	3,10	3,20	3,30	3,40	3,50



# *Climbers for wooden posts PDS*

Climbers for wooden posts are used as a protection equipment for working on a wooden posts. Safe and comfortable work electro and PTT workers is secured with our own construction.



# Climbers for concrete posts Pu

Constructive solution for these climbers based on joint-sprocket mechanism, allows easy adjustment of range of the port in this climber.

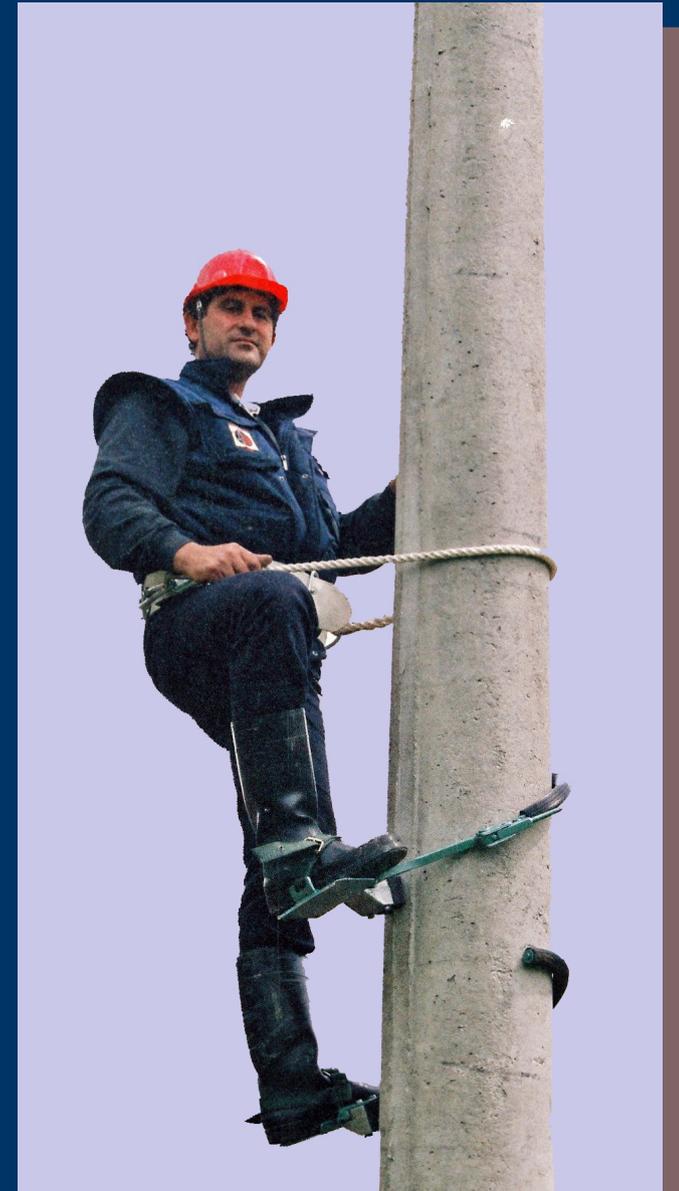
Type	PU-310	PU-400	PU-650
Diameter of posts [mm]	140-280	220-380	280-650
Type of post	High voltage supporting posts 10kV	Low and high voltage angular posts 10kV/40°	High voltage angular posts 10kV/60°
Weight [kg]	6,50	7	8



# *Climbers for concrete postst Pu*

The materials for this climber are carefully chosen, and thermally processed .

Quality control and approved by IMS Institute Belgrade.

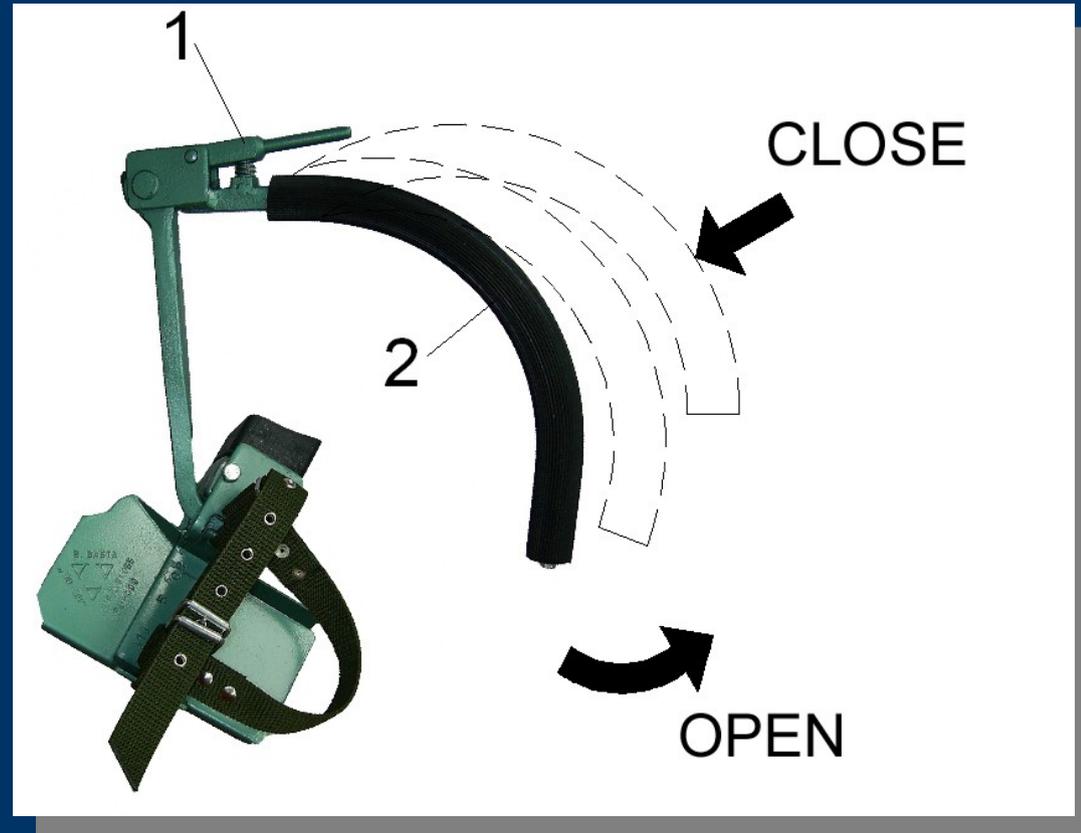


# Climbers for concrete posts Pu

## Manual:

Pressing the arm, the hook is liberated and is possible **to open** the port of climber as wanted, to fit the diameter of the post. By letting off the arm, the chosen port of range is fixed.

For smaller diameters of posts, the arm of a climber **is closed** simply by putting the hook against the post.



# Climbers for concrete posts

## $P_m$ , $P_v$ , $P_n$

Construction solution for this climber is based on a hook as an adjusting element, which is easily and fine adjusted to the diameter of a post.

Quality control and approved by IMS Institute Beograd.



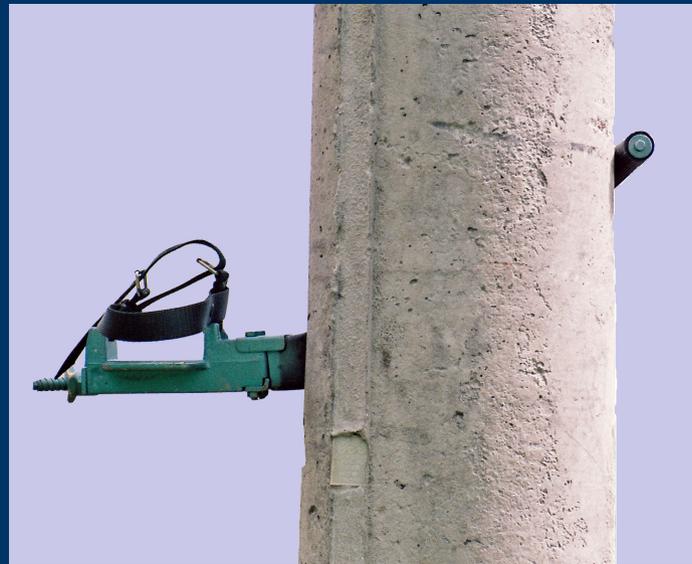
Type	$P_m$ -310	$P_v$ -400	$P_n$ -500
Diameter of posts [mm]	140-280	220-380	280-500
Type of post	High voltage supporting posts 10kV	Low and high voltage angular posts 10kV/40°	High voltage angular posts 10kV/60°
Weight [kg]	6,80	7,30	7,60



# *Climbers for concrete posts*

## *P<sub>m</sub>, P<sub>v</sub>, P<sub>N</sub>*

Safe and comfortable work electro and PTT workers is secured with our own construction.



# Climbers for concrete posts $P_B$

New construction of fixed climbers for concrete posts is especially convenient for work in cold and humid weather conditions.



Type	$P_B$ -310	$P_B$ -400	$P_B$ -500
Diameter of posts [mm]	140-280	220-380	280-480
Type of post	High voltage supporting posts 10kV	Low and high voltage angular posts 10kV/40°	High voltage angular posts 10kV/60°
Weight [kg]	4,60	4,80	6,50



# *Climbers for concrete posts PB*

Cylindrical - spiral shape of steal hook with the help of metal reverberator, allows almost ideal fitting of climbers against the post, and this lowers possibility of skidding to a minimum.

Quality control and approved by IMS Institute Belgrade.



# Rivet pliers

## Rivet pliers Type A – singlehanded



This tool is very practical for work with Al, Cu and metal rivets diameter for 2,4mm to 4mm.

- Max. body diameter of rivet: 2,2 mm;
- Length of rivet: clenching thickness plus 3-4 mm;
- Diameter of a hole: rivet thickness plus 0.1 mm;

Double sided capsule with possibility of adjusting, allows plucking the needle of a rivet with single closing of arms or, exceptionally closing twice.

With adequate use of pliers it is possible to clench near 15000 rivets without repairing or replacing pressing jaws, which are the essential part of pliers.

Before using pliers, it is necessary to oil it from inside.



# Rivet pliers

## Rivet pliers Type B – doublehanded

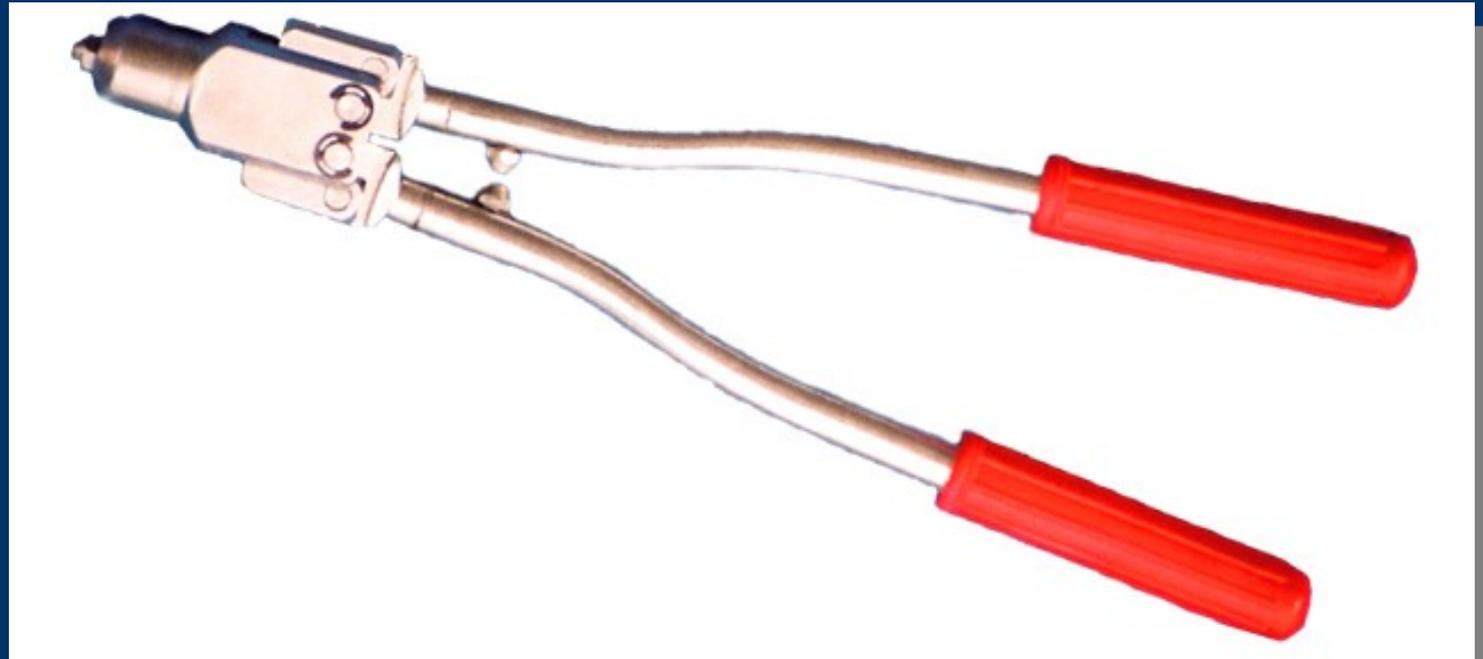
This tool is very practical for work with Al, Cu and metal rivets diameter up to 4,8mm.

- Max. body diameter of rivet: 2,8 mm;
- Length of rivet: clenching thickness plus 3-4 mm;
- Diameter of a hole: rivet thickness plus 0.1 mm;

Double sided capsule with possibility of adjusting, allows plucking the needle of a rivet with single closing of arms or, exceptionally closing twice.

With adequate use of pliers it is possible to clench near 15000 rivets without repairing or replacing pressing jaws, which are the essential part of pliers.

Before using pliers, it is necessary to oil it from inside.



# Puller doublesided ZD-20 and ZD-45

Double sided puller (tirfor hoist) is relatively small tool for pulling, holding, lifting and lowering all kinds of load.

Puller has a double effect wich allows that every move of lever back and forth tightens or relaxes the metal rope.



# Puller doublesided ZD-20 and ZD-45

- Quality of this product was controlled and certified by IMS Beograd Insitute from Belgrade, and in serial production each finished product is controlled. Metal rope with the hook is tested and certified by "Novkabel" Novi Sad, for each serie of production
- Metal rope with the steal core is done using the SIL method, with diameter 12.5 mm for type ZD-20 and diameter 18 mm for type ZD-45. Upon customer request we deliver double sided pullers with rope length different from standard ones.
- High degree of safety in use, simple and easy maintenance and small weight are basic advantages over other similar products.

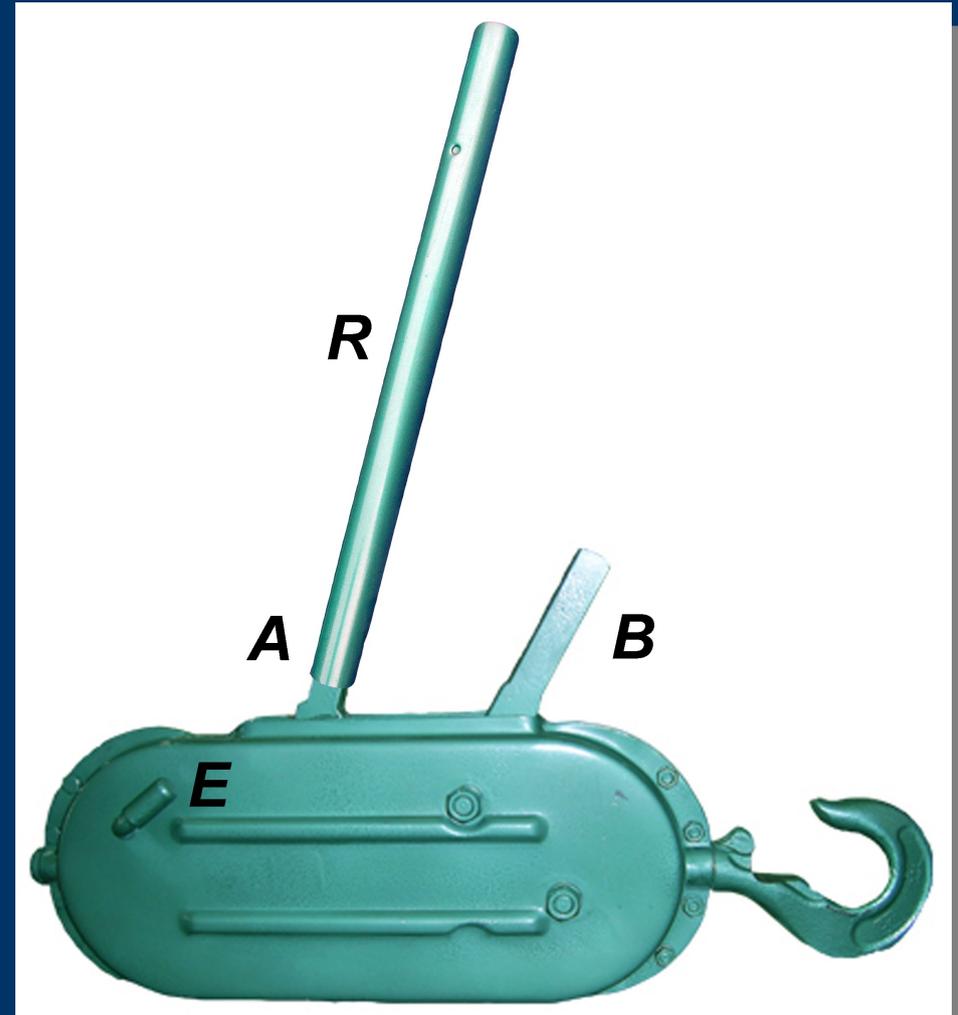
Type		ZD - 20	ZD - 45
Dimension	<i>[mm]</i>	480×200×40	700×250×75
Max. load weigth	<i>[t]</i>	2	4,5
Diameter of rope	<i>[mm]</i>	12,5	18
Length of rope	<i>[m]</i>	12	10
Weight (without rope)	<i>[kg]</i>	14	30



# Puller doublesided ZD-20 and ZD-45

## Manual:

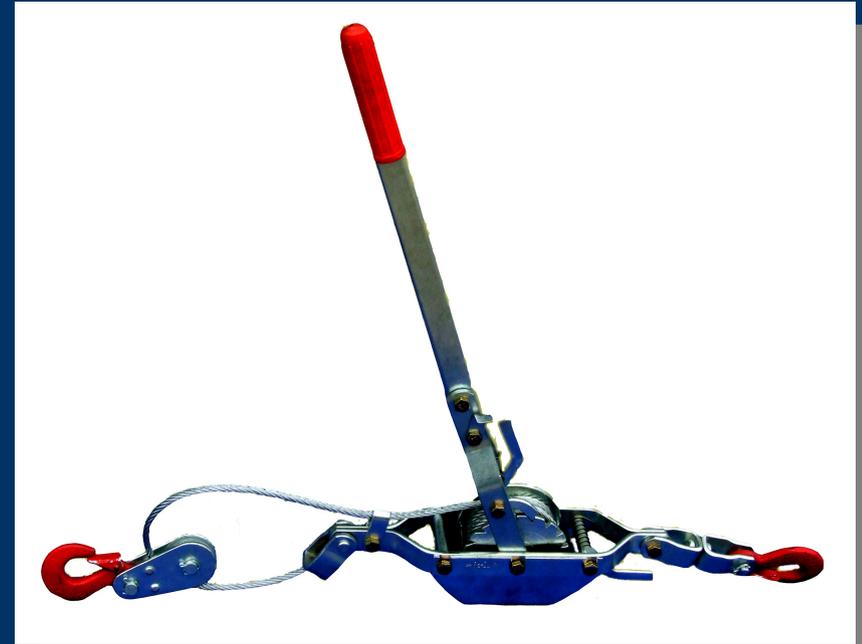
- Putting in the rope: using the arm R turn point E , in position 0 (opening of press jaws). Put the rope through the hoist. Put the point E in position Z ( closing the press jaws). The tool is now ready for use.
- Forward – to stretch: Using the arm R and lever A.
- Back – relaxation of tensions: Using the arm R and lever B.



# Small hoist *BE - BE 800 and BE - BE 1250*

It is used for pulling , lifting up and lowering down various kinds of load, up to 800 kg (BE-BE 800), or up to 1250 kg (BE-BE 1250).

The product was tested by "IMS Institute", center for metal in Belgrade.



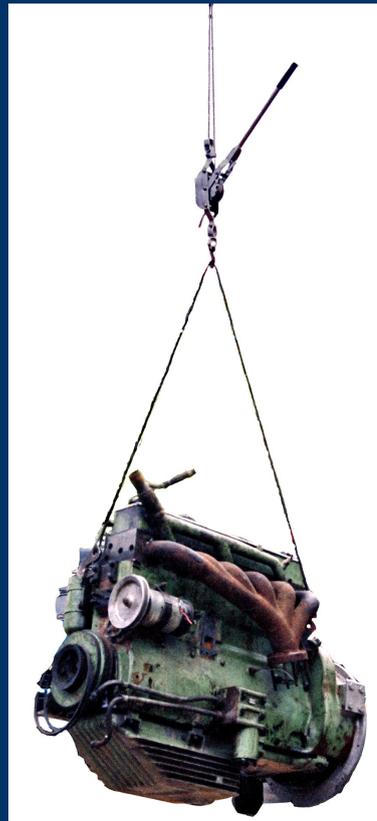
Type	"BE-BE 800"	"BE-BE 1250"
Max. load weight [t]	0,8	1,25
Diameter of rope [mm]	6	7
Length of rope [m]	4,6	4,6
Weight ( with rope) [kg]	5,3	5,6
Hook DIN 689 nr. 19		



# ***Small hoist BE - BE 800 and BE - BE 1250***

We control each produced piece by overloading it 100%.

With adequate use and minimal maintenance long life of this tool is certain.



# *Pulling toggle*

It is used for holding and pulling of iron, Al and Cu conductors. The toggle can work with the conductors which section surfaces are 16-95 mm, or 70- 150 mm.

Should be used together with small hoist "BE - BE" or some similar product.

Main characteristics :

- simple construction;
- universal field of use;
- small weight;
- high force of holding
- completely safe for the conductor (or other object that it is holding).



# *Machine processing services*

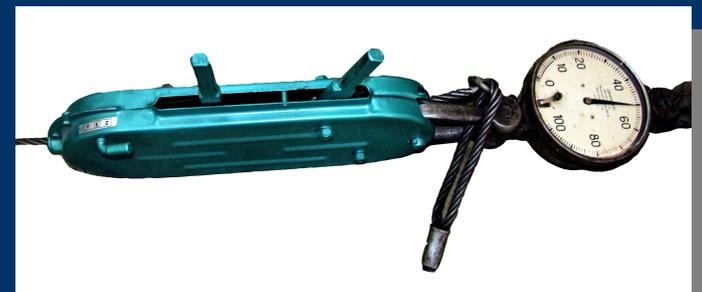
On demands of our buyers and business associates, we provide machine processing services:

- lathe processing in universal lathes with diameter up to 400 mm and length up to 1500 mm,
- mill processing in mill machines with the dimensions of table 1375 x 300 mm, where the working range of a tool (length, width,height) 900/235/360 mm,
- flat grinding in table size 1000mm x 300mm,
- drilling in a standing drillers up to diameter 22 mm,
- peeling in a short ranged peel tool,
- deforming processing ( punching and cutting trough, bending and deep pullout) in excenter press-machines of 16t and 160t,
- bending pipes and profiles with manual and hydraulic tools,
- termic processing of metal,
- mechanic-welding works, autogenous welding, electro resistant and In protecting atmosphere C02.



# Repair services

We do control, maintenance and repairing of all our products.



# List of references

*Climbers for wooden and concrete posts are used as a protection equipment for work on wooden and concrete posts. Hence, our main partners and customers are workers of two biggest national companies Elektroprivreda Srbije i Telekom Srbija, with their daughter companies and similar companies from region:*

- JP "ELEKTROSRBIJA" Kraljevo
- JP "ELEKTROŠUMADIJA" Kragujevac
- JP "JUGOISTOK" Nis
- JP "ELEKTROMORAVA" Pozarevac
- JP "ELEKTRODISTRIBUCIJA" Beograd
- JP "ELEKTROPRIVREDA" Vojvodine
- JP "ELEKTROPRIVREDA" Kosova
- JP "TELEKOM" Srbije
- JP "ELEKTROPRIVREDA" Republike Srpske
- JP "ELEKTROPRIVREDA" Bosne i Hercegovine
- JP "ELEKTROPRIVREDA" Crne Gore
- JP "ELEKTROPRIVREDA" Makedonije



# Sign of quality *EPS*

We have been given the "ZNAK KVALITETA EPS-a" (sign of quality of EPS, Serbian Electric Company), that confirms our already existing certificate of compliance of our products with the Serbian standards , technical norms, and also confirms that our product are compliant with other specific technical norms in this particular industry area, and other demands and standards of EPS.





*Bajina Basta is situated in Western Serbia, on the border with Republic of Bosnia and Herzegovina. The city lays on the right bank of river Drina and it is 170 km far from Belgrade.*

