

ONE-CYLINDER PUNCHING AND SHEARING MACHINES

The GEKA universal one-cylinder punching shearing machine comes with three, four and even five work stations, depending on the cylinder capacity. This makes it a versatile machine that can provide several different services.

The design of the GEKA punching shearing machine makes the tool replacement procedure easy, quick and practical.

In terms of safety systems, the machines are supplied with guards and devices to avoid exposing workers to unnecessary risks.

FEATURES

This range includes four electrically driven models with the following standard equipment: work table, limit switches and measuring scales. Optionally, electric limit switches may be fitted (except on BENDICROP, which form part of the standard equipment) for cutting flat bar and section iron.

The shearing system consists of one single cut, without wasting any material. **The MINICROP and MULTICROP have been fitted with a patented floating blade for cutting section iron without any deformation of the material.**



Monoblock bed



Electrically driven hydraulic unit with submerged pump



Double acting cylinder



Electrical box with safety and integrated controls



Monoblock blade holder with antifriction bushings

	MICROCROP	MINICROP	MULTICROP
L 90°	✓	✓	✓
L 45°	2 legs	1 leg	2 legs
Flat bar	✓	✓	✓
Punching	✓	✓	✓
Notching	Optional on punching station	✓	✓
Bending	Optional on punching station	Optional on punching station	Optional on punching station
Electric length gauge inst.	Presintalation	Presintalation	Presintalation
Ø + ▣	✓	✓	✓

MICROCROP

MINICROP

MULTICROP

SHEARS FOR FLATBAR

		350 x 6 200 x 13	300 x 10 200 x 13	300 x 10 200 x 13
Flatbar (with slight deformation)	mm			
Length of blade	mm	356	305	305
Round bar Ø	mm	30	-	-
Square bar \square	mm	25	-	-
Cut of an L leg at 45°	mm	70	80	80
Working height	mm	980	1030	1030

SHEARS FOR SECTION IRON

		80 x 80 x 8	80 x 80 x 8	80 x 80 x 8
L at 90 °	mm			
L at 90 ° (with slight deformation)	mm	-	100 x 100 x 10	-
L at 45 °	mm	50 x 50 x 6	-	60 x 60 x 6
Round bar Ø	mm	35 (optional)	30	25
Square bar \square	mm	30 (optional)	30	22

NOTCHING

(OPTIONAL)

		8	7	7
Plate thickness	mm			
Angle of	mm	60	60	60
Depth	mm	53	50	50
Width	mm	36	40	40

PUNCHING

		360	450	450
Punching power	kN			
Maximum capacity	mm	Ø27 x 10	Ø27 x 12	Ø27 x 12
Throat	mm	170	175	160
Stroke	mm	28	21	21
Working height	mm	980	1015	1015

BENDING

(OPTIONAL)

(OPTIONAL)

(OPTIONAL)

		360	450	450
Bending power	kN			
Maximum width	mm	80	80	80
Maximum capacity	mm	80 x 12	80 x 14	80 x 14

GENERAL SPECIFICATIONS

		2,2	2,2	2,2
Motor	kW			
N° strokes per minute (stroke= 15mm)		24	16	16
Net weight	kg	485	800	900
Gross weight	kg	575	1000	1100
Packaging dimensions	m	1,1 x 0,76 x 1,5	1,36 x 1,1 x 1,5	1,36 x 1,1 x 1,7
Volume of seaworthy package	m ³	1,26	2,25	2,55

OPTIONAL EQUIPMENT

SHEARS FOR SECTION IRON L and I section iron	mm	50	100	100
PIPE NOTCHING Maximum diameter	mm	50	60	60
PUNCHING LARGER DIAMETERS Maximum diameter	mm	Ø36 x 8	Ø100 x 4	Ø100 x 4

- Capacities are based on a material resistance of 45 kg/mm².
- The manufacturer reserves the right to make modifications without prior notice.

FEATURES

Angle cutting station

- L cut up to 80x80x8 mm. without any waste of material or burrs
- Material clamping guide
- Adjustable Gap on L blades
- Safety protection

Punching station

- Monoblock body and sandwich structure
- Blade-holder Adjustment
- Punching
 - Ø 27 X 10 mm (Microcrop) and
 - Ø 27 X 12 mm (Mini & Multicrop)
- Quick change punch
- Off-set punches available for small angles
- Safety protection
- Adjustable Stripper
- Accurate positioning table with removable front for L punching leg down

Flat plate cutting station

- Ø 30 cut and ∇ up to 25 mm. in position of flat plate (with slight deformation).
- Shearing of flat plate up to 200x13 mm
- Shearing of an L -leg at 45°
- Material clamping guide
- Adjustable play between flat bar blades
- End switches for travel setting

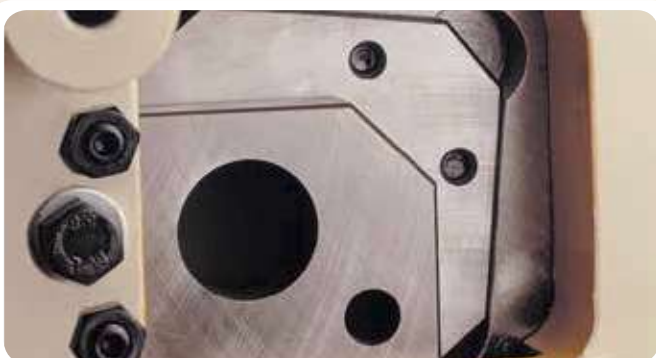
Optional equipment



Punching equipment up to Ø 36 x 8 mm. in thickness



Rectangular notching



Blades for Øcut minimum deformation



"Touch & Cut" length stop

Microcrop

IRONWORKER - ONE CYLINDER PUNCHING MACHINE WITH 3 WORK STATIONS:

- punching
- shear for flat bars
- angle cutting

Excellent cutting quality on the shearing of flat bar station.



Minicrop

One cylinder universal ironworker with four work stations (punching, notching, shear for flat bars shear L profiles, cutting of round and square bars). In addition to the features the Microcrop machine has, this model also includes:

Common features to Minicrop and Multicrop



Goose neck die-holder for punching



Ø and \square cut without deformation

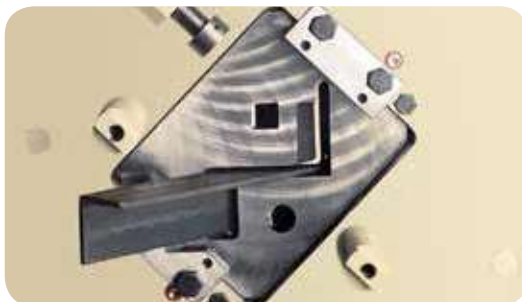


Rectangular notching equipment



Multicrop

The Multicrop model offers, all features of the Minicrop model, as well as shearing angle section iron at 45 ° leg in and leg out.



Standard shear blades L, Ø and ∇.

