



# CEL Range

## Electric Shears

**CEL** shears have become a reference in the market for cutting rebar: a range of four models with the highest performance for heavy duty cutting jobs.

Reliable, strong and durable. Highly resistant thanks to its cast-iron monoblock machined chassis. Excellent output in intensive rebar jobs, able to work more than 8 hours daily at construction sites or at rebar workshops

Specially recommended for rental fleets as high profitability, low maintenance running costs and durability, allowing long-term rentals.

Single-phase 230V motor version available for model **CEL 36 P**, which allows operation without a three phase electric supply from mains or gensets.

All **CEL** shears models are fitted with the compulsory safety systems and devices to comply with all international safety regulations:

- **Mechanical** safety devices: a shield covers the cutting jaw and blades. It prevents accidental operation as it locks foot and hand control.
- **Electrical** safety devices: emergency stop and low voltage cut-off device prevent the machine reloading after a supply cut. 60Hz motor versions are fitted with magneto-thermal breaker switch that stops the motor running on unstable supply.

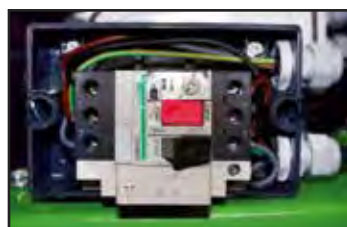


CEL 42 P with elevator bench (optional)

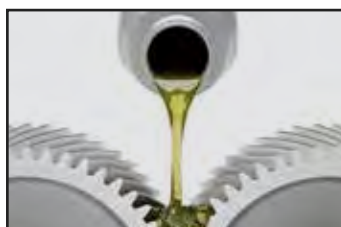
### FEATURES AND BENEFITS OF THE CEL RANGE



Interchangeable 4 faced long life cutting blades (set of 2 pcs.).



Magneto-thermic ON/OFF switch.



Oil bathed trapezoidal and Helicoidal gears for heavy duty.



High end quality bearings.



Safety shield, fast and easy to use.



Heavy cast-iron monoblock chassis.



Inner components tempered for extended working life.



Lifting hook for easy transportation and shifting.




## Long-life and top performance.

- Those inner components subject to continous wearing and stress are tempered to ensure longer working life.
- Higher traction force and smooth running thanks to its oil bathed trapezoidal and helicoidal gears ensuring top performance for heavy users, and minimizing maintenance.
- High efficiency electric motor IE3 type. Featured with impact clutch which prevents slippery on cutting impacts and optimizes performance and accuracy.
- Interchangeable 4 faced long life cutting blades, rectangular shaped and made of chrome-steel.
- Comfortable and ergonomic foot or hand control with safety shield.
- Integrated lifting hook and lever + transport wheels to ease final positioning at site.



## Cutting capacity

	Re=N / mm² 480 / G-60						Re=N / mm² 650 / G-75					
	Rm=N / mm² 650						Rm=N / mm² 850					
No. x 	1		2		3		1		2		3	
	mm	in / #	mm	in / #	mm	in / #	mm	in / #	mm	in / #	mm	in / #
<b>CEL 36 P</b>	Ø30	1-1/8" / 9	Ø20	3/4" / 6	Ø16	5/8" / 5	Ø25	1" / 8	Ø20	3/4" / 6	Ø16	5/8" / 5
<b>CEL 42 P</b>	Ø35	1-3/8" / 11	Ø25	1" / 8	Ø16	5/8" / 5	Ø32	1-1/4" / 10	Ø25	1" / 8	Ø16	3/4" / 6
<b>CEL 52 P</b>	Ø40	1-1/2" / 11	Ø25	1" / 8	Ø16	5/8" / 5	Ø40	1-1/2" / 11	Ø25	1" / 8	Ø16	3/4" / 6
<b>CEL 55 P</b>	Ø45	1-3/4" / 14	Ø32	1-1/4" / 10	Ø22	7/8" / 7	Ø40	1-3/4" / 14	Ø32	1-1/4" / 10	Ø20	3/4" / 6

	CEL 36 P					CEL 42 P		
	1 - PHASE		3 - PHASE		3 - PHASE	3 - PHASE		3 - PHASE
Item code	8055	8057	8054	8058	8039	8061	8072	8073
Motor voltage (V)	230		230 / 400			230 / 400		
Frequency (Hz) / In (pins)	50 / 3P	60 / 3P	50 / 4P	50 / 5P	60 / 4P	50 / 4P	50 / 5P	60 / 4P
Kw (Hp)	1,5 (2)	2,2 (3)	1,5 (2)			3 (4)		
Cuts / minute	110					100		
Oil capacity (L. / Gal.)	1 / 0,26					1,3 / 0,34		
Net weight (Kg. / Lbs.)	247 / 544,5					391,6 / 863,3		
Packaging dimensions L x W x H (mm / in)	1110 x 710 x 970 / 43,7" x 27,95" x 38,19"					1110 x 710 x 970 / 43,7" x 27,95" x 38,19"		

	CEL 52 P			CEL 55 P		
	3 - PHASE		3 - PHASE	3 - PHASE		3 - PHASE
Item code	8074	8075	8076	8081	8082	8083
Motor voltage (V)	230 / 400			230 / 400		230 / 400
Frequency (Hz) / In (pins)	50 / 4P	50 / 5P	60 / 4P	50 / 4P	50 / 5P	60 / 5P
Kw (Hp)	4 (5,5)			3 (4)		
Cuts / minute	88			50		
Oil capacity (L. / Gal.)	1,3/0,34			9/2,37		
Net weight (Kg. / Lbs.)	485/1069			666/1468		
Packaging dimensions L x W x H (mm / in)	1110 x 710 x 970 / 43,7" x 27,95" x 38,19"			1220 x 775 x 1130 / 48" x 30,51" x 44,48"		

# DEL Range

## Electric benders

Four models available to meet any rebar production requirements in both, job sites and rebar factories / workshops.

Supplied with the necessary pins, rollers and mandrels to produce the desired bending angle.

All models of **DEL** benders are also capable to produce stirrups, spirals and hoops using the optional accessories.

Easy low-cost maintenance can be even performed on site by the machine operator.

A single-phase 230V inverter version is available for model **DEL 32**. This machine operates without needing a three-phase electric supply. It aligns perfectly with the single-phase **CEL 36 P** rebar shear in medium scope rebar works.

All **DEL** benders are fitted with the compulsory safety systems and devices to comply with all international safety regulations:

- **Mechanical** safety devices: Automatic stop when frontal panel door opens or when the upper transparent polycarbonate shield is lifted.
- **Electrical** safety devices: Fully hermetic control panel, with right/left turn selector, voltage and amperage display and magneto-thermal protection breaker switch.



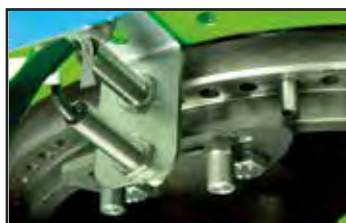
DEL 52



### FEATURES AND BENEFITS OF THE DEL AND COMBI RANGE



Removable panels for easy maintenance access



Dirt and water resistant IP65 inductive sensor.



Volts and amps meter control display.



Internally mounted power socket to reduce wear and tear.



Overload magneto-thermal protection switch.



Hour meter to help on maintenance controls and rental fleets.



Impact-resistant emergency stop.



Curved protection visor for 360 degree visibility.

## Innovation, flexibility and safety.

- Precise angle adjustment through pins and inductive sensors, dirt and water proof, much more reliable than standard limit switches.
- Side short rulers with holes for pins, allowing an accurate tuning on angle adjustment (models **DEL 32** and **DEL 36**).
- Models **DEL 45** and **DEL 52** featured with side long rulers which allows double bends for "Z" shaped figures (bottle neck shapes).
- Two speeds motor available upon request on models **DEL 32**, **DEL 36** and **DEL 45**.



## Bending capacity

Yield strength / Grade	Re=N / mm <sup>2</sup> 250 / G-40						Re=N / mm <sup>2</sup> 480 / G-60						Re=N / mm <sup>2</sup> 850 / G-75					
Tensile strength	Rm=N / mm <sup>2</sup> 450						Rm=N / mm <sup>2</sup> 650						Rm=N / mm <sup>2</sup> 850					
No. x	1		2		3		1		2		3		1		2		3	
	mm	in / #	mm	in / #	mm	in / #	mm	in / #	mm	in / #	mm	in / #	mm	in / #	mm	in / #	mm	in / #
<b>DEL 32</b>	Ø32	1-1/4" / 10	Ø24	1" / 8	Ø18	3/4" / 6	Ø28	1-1/8" / 9	Ø20	7/8" / 7	Ø16	5/8" / 5	Ø25	1-1/8" / 9	Ø18	3/4" / 6	Ø14	1/2" / 4
<b>DEL 36</b>	Ø36	1-3/8" / 11	Ø26	1-1/8" / 9	Ø22	7/8" / 7	Ø32	1-1/4" / 10	Ø24	1" / 8	Ø18	3/4" / 6	Ø32	1-1/4" / 10	Ø22	7/8" / 7	Ø16	5/8" / 5
<b>DEL 45</b>	Ø45	1-3/4" / 14	Ø32	1-1/4" / 10	Ø25	1" / 8	Ø40	1-3/4" / 14	Ø32	1-1/4" / 10	Ø25	1" / 8	Ø40	1-3/8" / 11	Ø26	1" / 8	Ø25	1" / 8
<b>DEL 52</b>	Ø52	2"	Ø36	1-3/8" / 11	Ø30	1-1/8" / 9	Ø46	1-7/8"	Ø34	1-3/8" / 11	Ø25	1-1/8" / 9	Ø42	1-3/4" / 14	Ø32	1-1/8" / 10	Ø25	1-1/8" / 9

\*For models DEL with 2 speeds motor, please check bending capacities with your sales representative.

## Accessories included

Ø mm / in		Ø48 / 1,89"	Ø60 / 2,36"	Ø100 / 3,93"	Ø140 / 5,51"	Ø160 / 6,30"	Ø200 / 7,87"				
<b>DEL 32</b>	1	4	4	1	1			1	1	1	2
<b>DEL 36</b>	1	4	4	1	1	1		1	1	1	2
<b>DEL 45</b>	1	4	4	1	1	1		1	1	1	2
<b>DEL 52</b>	1	4	4	1	1	1	1	1	1	1	2



	<b>DEL 32</b>				<b>DEL 32 2V</b>	<b>DEL 36</b>			<b>DEL 36 2V</b>
	1 - PHASE	3 - PHASE	3 - PHASE	3 - PHASE	3 - PHASE	3 - PHASE	3 - PHASE	3 - PHASE	3 - PHASE
Item code	20251504	20251500	20251502	20251501	20251505	20252000	20252002	20252001	20252005
Motor voltage (V)	230	230 / 400			230 / 400	230 / 400			230 / 400
Frequency (Hz) / In (pins)	50 - 60 / 3P	50 / 4P	50 / 5P	60 / 4P	50 / 5P	50 / 4P	50 / 5P	60 / 4P	50 / 5P
Kw (Hp)		2,2 (3)			3,3 (4,5)	3 (4)			4,5 (6,1)
Cycles / minute (bend/return) 1 <sup>st</sup> & 2 <sup>nd</sup> speed		11			11 / 22	10			10 / 20
Oil capacity (L. / Gal.)		5,1 / 1,34			5,1 / 1,34	10 / 2,64			10 / 2,64
Net weight (Kg. / Lbs.)		302 / 665,79			302 / 665,79	355 / 782,64			355 / 782,64
Packaging dimensions L x W x H (mm / in)		950 x 850 x 1050 / 37,40" x 33,46" x 41,33"				950 x 850 x 1050 / 37,40" x 33,46" x 41,33"			

	<b>DEL 45</b>			<b>DEL 45 2V</b>	<b>DEL 52</b>		
	3 - PHASE	3 - PHASE	3 - PHASE	3 - PHASE	3 - PHASE	3 - PHASE	3 - PHASE
Item code	20252500	20252502	20252501	20252505	20253000	20253002	20253001
Motor voltage (V)	230 / 400			230 / 400	230 / 400		
Frequency (Hz) / In (pins)	50 / 4P	50 / 5P	60 / 4P	50 / 5P	50 / 4P	50 / 5P	60 / 4P
Kw (Hp)	3 (4)			4,5 (6,1)	3 (4)		
Cycles / minute (bend/return) 1 <sup>st</sup> & 2 <sup>nd</sup> speed	6,5			10 / 20	6		
Oil capacity (L. / Gal.)	8,8 / 2,32			8,8 / 2,32	15 / 3,96		
Net weight (Kg. / Lbs.)	490 / 1080			490 / 1080	721 / 1589		
Packaging dimensions L x W x H (mm / in)	1080 x 1040 x 1170 / 42,52" x 40,94" x 46,06"				1080 x 1040 x 1170 / 42,52" x 40,94" x 46,06"		



# COMBI Range

Combined electric bender & shears

Specially recommended for rebar production in small - medium housing or infrastructure projects with rebar sizes of up to Ø36mm / 1 3/8" (#11) for cutting and Ø52mm / 2" for bending, such as small resorts, condominiums, villas, low height apartment buildings, etc. A multi-purpose machine which also allows production of stirrups, spirals and hoops with its optional accessories.

The **COMBI** range is an ideal solution for small to medium rebar contractors and manufacturers, providing full working autonomy in any rebar work, and at a very low cost.

One machine, a single investment to do all rebar jobs with a medium production: bending, cutting, stirrups and spirals / hoops.

## The most complete package.

- **COMBI** machines have the same production and bending capacities as our **DEL** range benders.
- They are also featured with the same electrical and mechanical safety devices as **DEL** machines and its electric components are of worldwide known top quality suppliers as Schneider-Electric.
- Cast-iron shear body and gearbox case to ensure heavy duty performance and endurance with the lowest maintenance. Oil bath, trapezoidal and helicoidal gears.
- Safety shield with limit switch on shear body and bending table.
- Easy low-cost maintenance can be even performed on site by the machine operator.
- Single-phase 220V version with inverter technology available for model **COMBI 25/32**. The inverter stabilizes the electric supply so it makes the motor life longer. Two speeds motor available upon request on models **COMBI 25/32** and **COMBI 30/36**.



COMBI 30 - 36



## FEATURES AND BENEFITS OF THE DEL AND COMBI RANGE



New easy and quick belts tightening system.



Protection shield for control panel.



Inverter equipped (Single-phase).  
Reduced noise operation.



Safety foot pedal control.



Pins with new anti stick lubrication system. Bolt for extracting pins (optional).



Stirrup device for max. rebar  
Ø 14mm / 5/8" - #5 (optional).



Large diameter rebars  
bending kit (optional).

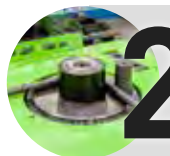


Spirals / hoops bending  
accessory (optional).

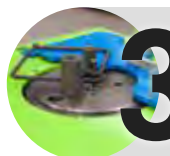
## 4-IN-1 MACHINE:



**1** | Cutting, thanks to its shear jaw simultaneously operated with the bending plate.



**2** | Bending, operated as our DEL range rebar benders.



**3** | Stirrups production using the optional stirrups accessory.



**4** | Production of spirals, rings and arches using the optional Spirals Bending accessory









## Cutting / Bending capacity


Yield strength / Grade	Re=N / mm² 250 / G-40						Re=N / mm² 480 / G-60						Re=N / mm² 650 / G-75					
Tensile strength	Rm=N / mm² 450						Rm=N / mm² 650						Rm=N / mm² 850					
No. x	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
	Millimeters																	
COMBI 25 / 32	Ø25	Ø18	Ø12	Ø32	Ø24	Ø18	Ø20	Ø16	Ø10	Ø25	Ø20	Ø16	Ø20	Ø14	Ø8	Ø25	Ø18	Ø14
COMBI 30 / 36	Ø30	Ø20	Ø16	Ø36	Ø26	Ø22	Ø25	Ø18	Ø14	Ø32	Ø24	Ø18	Ø25	Ø16	Ø12	Ø32	Ø22	Ø16
COMBI 36 / 52	Ø36	Ø26	Ø22	Ø52	Ø36	Ø30	Ø32	Ø20	Ø16	Ø46	Ø34	Ø25	Ø32	Ø18	Ø16	Ø42	Ø32	Ø25
	In / #																	
COMBI 25 / 32	1" / 8	3/4" / 6	1/2" / 4	1-1/4" / 10	1" / 8	3/4" / 6	7/8" / 7	5/8" / 5	3/8" / 3	1-1/8" / 9	7/8" / 7	5/8" / 5	7/8" / 7	1/2" / 4	3/8" / 3	1-1/8" / 9	3/4" / 6	1/2" / 4
COMBI 30 / 36	1-1/8" / 9	7/8" / 7	5/8" / 5	1-3/8" / 11	1-1/8" / 9	7/8" / 7	1" / 8	3/4" / 6	1/2" / 4	1-1/4" / 10	1" / 8	3/4" / 6	1" / 8	5/8" / 5	1/2" / 4	1-1/4" / 10	7/8" / 7	5/8" / 5
COMBI 36 / 52	1-3/8" / 11	1" / 8	7/8" / 7	2"	1-3/8" / 11	1-1/8" / 9	1-1/4" / 10	7/8" / 7	5/8" / 5	1-7/8" / 11	1-3/8" / 11	1-1/8" / 9	1-1/4" / 10	3/4" / 6	5/8" / 5	1-3/4" / 14	1-1/4" / 10	1-1/8" / 9

\*For models COMBI with 2 speeds motor, please check bending capacities with your sales representative.

## Accessories included

										
Ø mm / in		Ø48 / 1,89"	Ø60 / 2,36"	Ø100 / 3,93"	Ø140 / 5,51"	Ø160 / 6,30"	Ø200 / 7,87"			
COMBI 25 - 32	1	4	4	1	1			1	1	2
COMBI 30 - 36	1	4	4	1	1	1		1	1	2
COMBI 36 - 52	1	4	4	1	1	1	1	1	1	2



	 COMBI 25 - 32				COMBI 30 - 36			COMBI 36 - 52		
	1- PHASE	3 - PHASE	3 - PHASE		3 - PHASE	3 - PHASE		3 - PHASE	3 - PHASE	
Item code	20351504	20351500	20351502	20351501	20352000	20352002	20352001	20353000	20353002	20353001
Motor voltage (V)	230	230 / 400			230 / 400			230 / 400		
Frequency (Hz) / In (pins)	50 - 60 / 3P	50 / 4P	50 / 5P	60 / 4P	50 / 4P	50 / 5P	60 / 4P	50 / 4P	50 / 5P	60 / 4P
Kw (Hp)	2,2 (3)				3 (4)			3 (4)		
Cycles / minute (bend - cut / return)	11				10			6		
Oil capacity (L. / Gal.)	5,1/1,34				10 / 2,64			15 / 3,96		
Net weight (Kg. / Lbs.)	386 / 850,98				435 / 959,01			721 / 1589,53		
Packaging dimensions L x W x H (mm / in)	950 x 1080 x 1050 / 37,40" x 42,52" x 41,33"				950 x 1080 x 1050 / 37,40" x 42,52" x 41,33"			1080 x 1290 x 1190 / 42,52" x 50,78" x 46,85"		



# STAR Range

## Electric Stirrups Benders.

Rebar stirrups are the most common and repeating shapes used for rebar structures in construction, so the labour and time invested for its production is higher than any other rebar work.

Thanks to its handy and comfortable design, **STAR** stirrup bender delivers a high performance and productivity, up to 700 - 1000 stirrups per hour depending on the rebar size, the stirrup shape and the operator skill. **STAR** stirrup bender represents a very tiny investment in comparison to its high output, which makes it a perfect partner for rebar fabricators / workshops, for their serial stirrups productions and for rebar jobs at sites, thanks to its adaptability.

It is also quite suitable for builder's merchants or hardware stores with rebar supplying services.

Bending capacity up to rebar 16mm (5/8" - #5) for **STAR 16** and rebar 20mm (7/8" - #7) for **STAR 20**. Both models can bend multiple stirrups at the time with the same shape and bending quality.

Both models are available in single phase 230V and three phase 230V / 400V motor versions to ease the rebar works at any site.

The new **STAR 20** is featured with a 360° turning bending plate so as to work clockwise and counterclockwise, for an increased operational flexibility. Also supplied with holders to store rebars and provide an easier rebar feeding.



### FEATURES AND BENEFITS OF THE STAR RANGE



Bending turning plate ergonomically designed for an easier operation.



Removable panels for easy maintenance access.



Adjustable folding length stops.



Angle selection pins with memory holders for 2 different angles programme.



Safety foot pedal control.



Full featured control panel.



Heavy-duty motor-reducer, 0% power loss.



Curved and transparent shield protection visor for 360 degree visibility.



## Speed and versatility.

- **STAR 16** and **STAR 20** are not only able to produce standard stirrups but virtually any rebar shape typically used in rebar structures construction, such as: hooks, separators, anchorages, rebar feet, elbows, reinforcements, etc.
- Able to bend several rebar at the time depending on rebar size and strength (Grade).
- Easy and simple operation: it does not require highly qualified operators.
- All the necessary pins, rollers and mandrels, as well as the adjustable stop ruler are supplied as standard equipment.
- Pins and rollers can be customized upon request to suit to our customers requirements.
- Control panel designed and built in accordance with CE regulations.



## Different bends and angles (among others)



## Bending capacity

Yield strength / Grade	Re=N / mm <sup>2</sup> 480 / G-60						Re=N / mm <sup>2</sup> 650 / G-75					
Tensile strength	Rm=N / mm <sup>2</sup> 650						Rm=N / mm <sup>2</sup> 850					
No. x	7	6	5	3	1	1	7	6	5	2	1	1
Bending mandrels Ø mm / in	Ø18 / 0.71"	Ø24 / 0.94"	Ø36 / 1.41"	Ø36 / 1.41"	Ø48 / 1.89"	Ø48 / 1.89"	Ø18 / 0.71"	Ø24 / 0.94"	Ø36 / 1.41"	Ø36 / 1.41"	Ø48 / 1.89"	Ø48 / 1.89"
	Millimeters											
STAR 16	Ø6	Ø8	Ø10	Ø12	Ø16	Ø20	Ø6	Ø8	Ø10	Ø12	Ø16	Ø20
STAR 20	In / #											
STAR 16	Ø1/4"	Ø5/16"	Ø3/8" / #3	Ø1/2" / #4	Ø5/8" / #5	Ø7/8" / #7	Ø1/4"	Ø5/16"	Ø3/8" / #3	Ø1/2" / #4	Ø5/8" / #5	Ø7/8" / #7
STAR 20												

## Accessories included

Ømm / in		Ø36 / 1.41"	Ø18 / 0.71"	Ø25 / 0.98"	Ø36 / 1.41"	Ø48 / 1.89"				
STAR 16	1	1	1	2	1	1	1	1	1	2
STAR 20	1	1	1	2	1	1	1	1	1	2



	STAR 16			STAR 20			
	1 - PHASE	3 - PHASE		1 - PHASE	3 - PHASE	3 - PHASE	
Item code	0835	0830	0833	20202004	20202000	20202002	20202001
Motor voltage (V)	230	230 / 400		230	230 / 400		
Frequency (Hz) / In (pins)	50 / 3P	50 - 60 / 4P	50 - 60 / 5P	50 - 60 / 3P	50 / 4P	50 / 5P	60 / 4P
Kw (Hp)	2,2 (3)	1,5 (2)	1,5 (2)	1,5			
Cycles / minute (bend / return)	19			17			
Net weight (Kg. / lbs.)	140 / 308,64			214 / 471,79			
Packaging dimensions L x W x H (mm / in)	850 x 760 x 680 / 33,46" x 29,92" x 26,77"			800 x 620 x 1040 / 31,49" x 24,41" x 40,94"			

# SPIRAL Range

## Spiral Hoop electric bender

Our machines **SPIRAL 26** and **SPIRAL 36** are specially designed to produce spiral or hoop rebar, at job sites or workshops, for structures used in any concrete circular formworks, such as foundations, scorings, water dams and reservoirs, domes, arches, tunnels and round pillars and columns.

They have a capacity from min rebar 6mm (1/4" - #1) up to max. rebar 26mm (1" - #8) and 36mm (1-3/8" / #11), depending on the machine model and the rebar strength (Grade).

### Spiral Hoop bender.

- It does not require to pre-bend the leading end of the rebar.
- Safety pedal operated.
- Automatic or manual operation.
- Double speed operation, 7 or 14 meters (23ft. and 46ft.) per minute.
- Left and right bending turn.
- 2 tempered cog-wheel formers.
- Adjustable central cog-wheel for spiral or hoop curve radius.
- 2 ramps with rollers for pitch adjustment.
- Complete control panel, including emergency stop button, on/off switch, warning lights and operation switch selector.



▲  
SPIRAL 26

### FEATURES AND BENEFITS OF THE SPIRAL RANGE



Designed for production of spirals, hoops and arches.



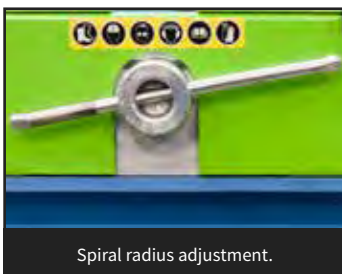
Adjustable formers.



Complete command centre.



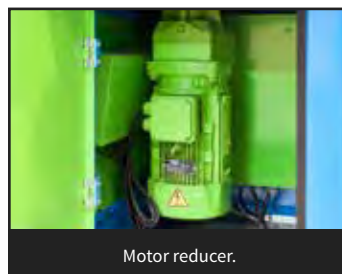
Adjustable stop (SPIRAL 36).



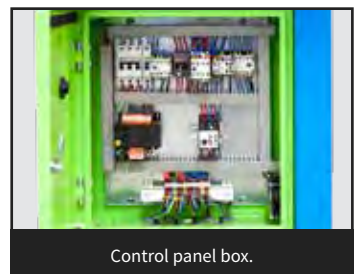
Spiral radius adjustment.



Impact-resistant emergency stop.



Motor reducer.



Control panel box.



## APPLICATIONS:



1

Applications in **foundations** and **pipelines**.



2

Applications in **water dams** and **reservoirs**.



3

Applications in **domes, arches** and **tunnels**.

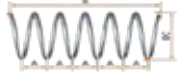


4




Applications in **round pillars** and **columns**.



## Bending capacity

		
Yield strength / Grade	Re=N / mm <sup>2</sup> 480 / G-60	
Tensile strength	Rm=N / mm <sup>2</sup> 650	
1st. speed	7 m/min / 23 ft./min	
2nd. speed	14 m/min / 46 ft./min	
Minimum Ø spiral with rebar	Ø6 mm / 1/4"	
	Millimeters	In
<b>SPIRAL 26</b>	Ø270	11"
<b>SPIRAL 36</b>	Ø270	11"

## Accessories included

			
<b>SPIRAL 26</b>	1	1	1
<b>SPIRAL 36</b>	1	1	1

	SPIRAL 26		SPIRAL 36	
	3 - PHASE	3 - PHASE	3 - PHASE	3 - PHASE
Item code	20251520	20251521	20252020	20252021
Motor voltage (V)	230 / 400		230 / 400	
Frequency (Hz) / in (pins)	50 / 5P	60 / 4P	50 / 5P	60 / 4P
Kw / Hp 1st. speed	1,5 / 2		1,5 / 2	
Kw / Hp 2nd. speed	2,5 / 3,2		2,5 / 3,2	
Cycles / minute 1st. speed	697		697	
Cycles / minute 2nd. speed	1387		1387	
Net weight (Kg. / Lbs.)	300 / 661,38		430 / 948	
Packaging dimensions L x W x H (mm / in)	1220 x 920 x 1150 / 48,03" x 36,22" x 45,27"		1220 x 920 x 1150 / 48,03" x 36,22" x 45,27"	

# ACCESSORIES

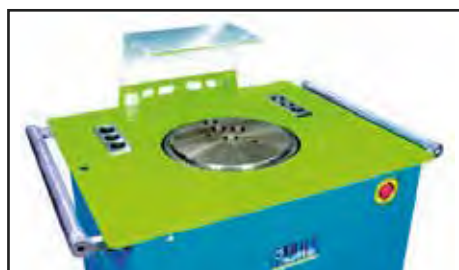
Optional



R807600000. 4 rollers feeding bench for DEL.



R807500000. 4 rollers feeding bench for CEL.



R202515009902 / R202525009902.  
Side entry rollers for DEL & COMBI

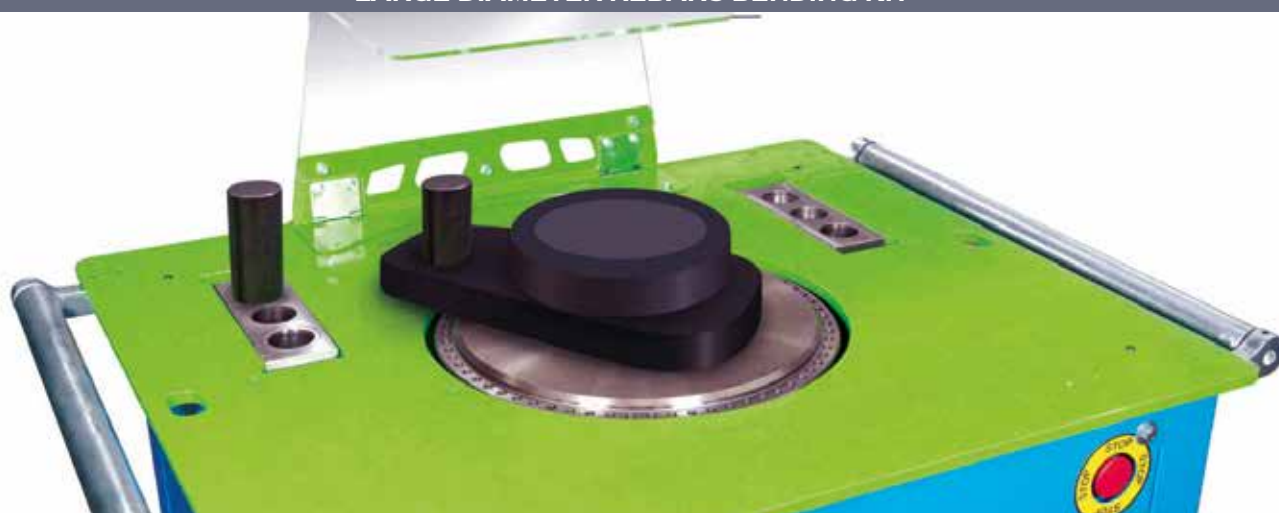


R8054400000. Elevator bench for CEL range.






R202525006700. Pins extraction bolt.

## LARGE DIAMETER REBARS BENDING KIT



Conforms to NORM UNE 36831

		DEL 32 COMBI 25 - 32	DEL 36 COMBI 30 - 36	DEL 45 COMBI 36 - 52
		R202515009900		R202525009500
Ø mm / in				
	Ø160 / 6,30"	R868067000	n.a	n.a
	Ø200 / 7,87"	R868069000		
	Ø250 / 9,84"	R868071000		
	Ø300 / 11,81"	R - 1207011		
	Ø381 / 15"	R868073000		
	Ø481 / 18,93"	n.a		
				R868074000



## SPIRAL / HOOP BENDING ATTACHMENT



≥ØC

Min Ø6mm / 1/4" in / #2

Max. Ø20mm / 7/8" in / #7

DEL 32 - 36

DEL 45 - 52

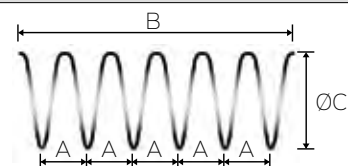
COMBI 25 - 32 / 30 - 36

COMBI 36 - 52

Ø275 / 11"

Ø950 / 38"

Item code: R888800000

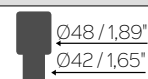
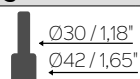
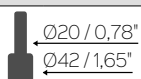


## STIRRUP DEVICE



Max. 14 mm / 5/8" / #5 rebar

Bending Mandrels



No. x

7

4

2

2

1

Ømm / in / #

Ø6 / 1/4" / #1

Ø8 / 5/16" / #2

Ø10 / 3/8" / #3

Ø12 / 1/2" / #4

Ø14 / 5/8" / #5

DEL 32 - 36

Item code: R202520009900

DEL 45 - 52

Item code: R202525009900

COMBI 25 - 32 / 30 - 36

Item code: R202520009900

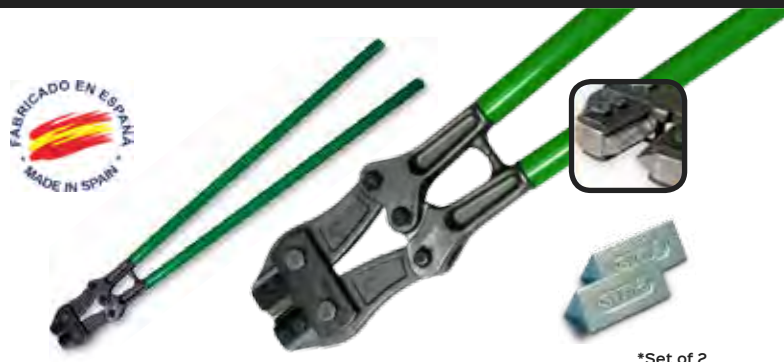
COMBI 36 - 52

Item code: R202525009900

# TX 16 Professional Bolt Cutter

## BOLT CUTTER FOR REBAR AND STEEL BARS

- Cuts rebar from 2mm (0.08") up to 16mm (5/8" - #5). Reduces the cutting effort thanks to its wide jaws opening.
- Non-deformable handles made of high resistance 3mm thick steel.
- 3 faced long-life blades made of special steel-chrome and tempered to 58/60 HRC.
- Its special design allows cutting in difficult access rebar structures, rebar mesh, etc. Able to cut tiny rebars at floor level.



\*Set of 2

TX 16	
Item code	8541
Max. cutting (mm / in / #)	16 / 5/8" / #5
Net weight (Kg. / Lbs.)	7,8 / 17,19
Packaging dimensions LxWxH (mm / in)	1175 x 360 x 165 / 46,26" x 14,17" x 6,49"
Packaging	6 pieces

# DM 12 Manual stirrup bender

## BENDS SEVERAL REBAR AT ONCE

- Featured with adjustable bar stop and ruler.
- Tempered pushing pin and mandrel.
- Holes for bench fixing.



DM 12	
Item code	0912
Max. bending Ø (mm / in / #)	12 - 1/2" / #4
Net weight (Kg. / Lbs.)	8,2 / 18,07
Packaging dimensions LxWxH (mm/in)	935 x 265 x 195 / 36,8" x 10,4" x 7,6"
Packaging	2 pieces

# C6 Manual shear

## EASY TO USE AND TOUGH BUILT

- Models **C6/28** and **C6/32** featured with an exclusive system to bring the blades closer for accurate effortless cutting.
- Extra lenght lever for an increased cutting power with less physical efforts.



	C6 22	C6 28	C6 32
Item code	7000	7010	7020
Max. cutting Ø (mm / in / #)	22 / 7/8" / #7	28 / 1 1/8" / #9	32 / 1 1/4" / #10
Net weight (Kg. / Lbs.)	19 / 42	40 / 88	49 / 108
Packaging dimensions L x W x H (mm / in)	330 x 140 x 270 / 13" x 5,5" x 10,6"	500 x 190 x 270 / 19,6" x 7,4" x 10,6"	500 x 190 x 390 / 19,6" x 7,4" x 15,3"
Push lever dimensions L x W x H (mm / in)	1480 x 255 x 68 / 58,2" x 10" x 2,6"	2013 x 282 x 68 / 79,2" x 11,1" x 2,6"	2013 x 282 x 68 / 79,2" x 11,1" x 2,6"

# BLADES Steel - chrome

## 4 FACED LONG-LIFE CUTTING BLADES

- Made of a highly resistant long-life steel-chrome alloy.



	CX 16	CX 20	CX 25	C6 22	C6 28	C6 32	TX 16
Item code	R - 3000201	R - 3000301	R - 3000401	R - 7000005	R - 7000006		R - 854199501
Cutting edges		4			8		3



# CX Electrohydraulic Rebar Cutters

## CAST-IRON CUTTING JAW

- High performance hydraulic pistons.
- Reinforced frame and body.
- 4 faced long life blades.
- Adjustable bar stop bolt/nut.
- Double insulation.
- Featured with a pressure relief valve to retract the piston.
- Handy and portable for cutting rebar in difficult access rebar structures.
- Suitable for small rebar projects.



	CX 16		CX 20		CX 25	
	1 - PHASE		1 - PHASE		1 - PHASE	
Item code	8160	8161	8165	8166	8170	8171
Motor voltage (V) / Amperage (Amp.)	230 / 3,8	110 / 8,1	230 / 4,3	110 / 11,3	230 / 7,2	110 / 15,5
Frequency (Hz) / in (pins)	50 - 60 / 2P		50 - 60 / 2P		50 - 60 / 2P	
W (Hp)	850 (1,1)	900 (1,2)	950 (1,3)	1250 (1,7)	1600 (2,2)	1700 (2,3)
Min-Max. cutting Ø (mm / in / #)	40 - 160 / 1/8" - 5/8" / #1 - #5		40 - 200 / 1/8" - 3/4" / #1 - #6		40 - 250 / 1/8" - 1" / #1 - #8	
Cutting speed (secs.- cut) / pressure	2,5 - 3 / 13 tonnes		3 - 3,5 / 15 tonnes		5 - 5,5 / 30 tonnes	
Blades life (cuts per set of 2)	Approx. 5000 (rebar Ø16 / 5/8" / #5)		Approx. 5000 (rebar Ø20 / 3/4" / #6)		Approx. 5000 (rebar Ø25 / 1" / #8)	
Net weight (Kg. / Lbs.)	8 / 17,6		13 / 28,6		24,5 / 54	
Packaging dimensions L x W x H (mm / in)	460 x 270 x 115 / 18" x 10,6" x 4,5"		546 x 850 x 160 / 21,4" x 33,4" x 6,2"		585 x 150 x 260 / 23" x 6" x 10,2"	

# ATA 400 Rebar tier

## FAST AND STRONG TIE

- Tying selector for 2 or 3 wraps and 5 different levels of tying strength
- Lightweight and compact body, operated with only one hand.
- Able to tie rebar and structures, rebar mesh, metal / rebar grids, etc.
- High operational speed. It works 5 times faster than traditional manual rebar tying, less than a second per tie.
- It runs on a 14.4V (3Ah.) Lithium-Ion quick-charge battery. Its amperage increases operational working life: up to 2200 ties approx. per battery charge.
- High technology inner electronics with beeps warning system for auto-diagnosis.
- Higher tying torque than other competitor's models, so it saves wire coils as it requires less quantity of tying shots (approx. 30% save).
- Quality of materials. ABS hard impact frame and body, ergonomic handle with rubber for full grip.
- Suitable for most of wire coils available in the market, can use SIMA and MAX coils, among others.
- Featured with trigger lock for safety.



ATA 400 LI	
Item code	8537
Max. tying speed	0.8 secs/ tie
Ties per coil (3 wraps)	120 ties
Ties per coil (2 wraps)	160 ties
Battery life	18 coils/ approx.
Voltage (V)	DC 14,4V - 3A / h
Battery type	LI-ION
Battery charging time	Approx. 90 min
Wire coils packaging	Carton of 50 coils
Wire diameter (mm - in)	0,8 / 0,03
Max. tying diameter (mm - in)	38 / 1,49" (2 x rebar #6)
Net weight (Kg. / Lbs.)	2,3 / 4,85
Packaging size L x W x H (mm / in)	284 x 100 x 293 / 11,18" x 3,93" x 11,53"

# MASONRY SAWS FOR CONSTRUCTION MATERIALS

- MAGNUM Range
- BALI Mekano Range
- DAKAR Mekano Range
- VENUS Mekano Range
- PERLANATO Range
- AMBAR 200
- MIX Pro 1600
- EUROTRON 315 Plus
- ACCESSORIES

# 3









# MAGNUM Range

## Block and Stone Saw

The blocks saw **MAGNUM** is rugged and powerful. It provides a high performance in cutting large-sized blocks of poroton, pre-cast concrete, gasbeton, lime / sand stone and many other construction materials, always using the blade that better suits the material to cut.

There are two versions available: the 5.5 Kw (7,5 HP) for Ø700 mm (27") blades and the 7 Kw (10 HP) for Ø1000 mm (39") blades.

The **MAGNUM** includes such improvements as:

1. A **new star-delta starter** to reduce the amperage intake on start.
  - When the start button is pushed, the motor gets started connecting the coils in series (delta mode), making the machine to work at just 80% of the total motor power.
  - After 10 seconds, it will automatically switch to full power by connecting the coils in star mode.
  - The red button will stop the machine in case of emergency.
2. **Heavy duty water pump** with high flow of up to 40 litres (10.5 gal.) per minute.
3. The **bed frame is reinforced** to make it more robust and to afford extra heavy materials.



MAGNUM 700



### FEATURES AND BENEFITS OF THE MAGNUM RANGE



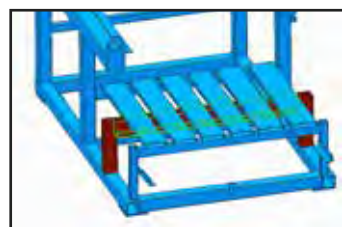
New star-delta motor starter.



Electric components built into a high protection IP657 box.



Galvanised and removable water tub, long life and easy cleaning.



Reinforced base frame.



Handwheel operated mechanical feed.



High cutting performance.



Heavy duty water pump, High flow to improve blade cooling.



Side rolling conveyor (optional).

### Great cutting capacity.

- Handwheel operated mechanical feed, allowing a smooth effortless scrolling.
- Easy regulation of the cutting height with a very effective and safe locking system.
- Lasting durability, as it is built on a rugged monobloc chassis, and easy to move, as it is featured with four lockable wheels.
- Transmission by belts, providing a smooth and quiet operation and a high cutting accuracy.
- The diamond blade is cooled with water pumped from the tub or directly from the water mains.
- Large galvanized steel water tub, able to hold up to 87 litres (50 gal.), removable for easy cleaning.
- Long-life sealed bearings specially designed to work in a wet working environment.
- All the electronic parts comply with the different applicable European norms and regulations.
- Maximum cutting length up to 844 mm (33.2").
- Maximum cutting depth up to 420 mm (16.5").



### For cutting a wide variety of materials

Materials	Bricks	Slate	Terrazzo	Concrete	Poroton	Ytong	Sandstone	Kerbstone	Granite	Marble

	MAGNUM 700	MAGNUM 1000
	3 - PHASE	3 - PHASE
Item code	6551	6552
Motor voltage (V)	400	400
Frequency (Hz) / In (pins)	50 / 5P	50 / 5P
Kw (Hp)	5,5 (7,5)	7,5 (10)
Water tub capacity (L. / Gal.)	87 / 22,9	87 / 22,9
Blade diameter (mm / in)	725 / 28"	1000 / 40"
Blade bore diameter (mm / in)	60 / 2,3"	60 / 2,3"
Blade included (mm / in)	No	No
Max. cutting length (mm / in)	844 / 33,2"	702 / 27,6"
Max. cutting depth (mm / in)	272 / 10,7"	420 / 16,5"
Net weight (Kg. / lbs.)	280 / 617,2	303 / 668
Packaging dimensions L x W x H (mm / in)	2160 x 1260 x 1500 / 85" X 49,6" x 59"	2160 x 1260 x 1500 / 85" X 49,6" x 59"



# BALI Mekano Range

## Brick and Block Saws

The innovative **Mekano concept** applied to the **BALI** range provides a variety of 100% customizable block cutters, to better adapt to each customer needs.

They are designed to work under very different conditions: both the cutting length and depth can be adjusted to the demands of each cutting job.

60 to 80% of the components in this range are manufactured to remain stainless, with more efficient and ecological materials.

They are prepared to cut any kind of blocks, such as pre-cast concrete, poroton, gasbeton or terracotta, but also for many other construction materials: bricks, terrazzo, limestone, sandstone or kerbstones.

Made to last: aluminium body and galvanized steel water tub, providing higher resistance to oxidation.

The **BALI 700** series deliver a lighter and portable choice for large blocks cutting. They are available both in three-phase and single-phase versions, allowing these last ones their connection to a standard power supply.

The **BALI 500** series can use Ø400, Ø450 and Ø500 mm blades (16", 18" and 20"), delivering up to 200 mm (7.8") deep cuts in one pass.

The **BALI 700** series can use Ø600, Ø650 and Ø700 mm blades (24", 25" and 27"), delivering up to 270 mm (deep cuts in one pass).



BALI 700 supplied with folding legs and wheels

### FEATURES AND BENEFITS OF THE BALI MEKANO RANGE



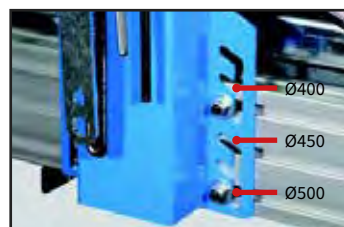
Build with Inox materials.



Poly-V belt transmission improves grip and reduces maintenance (**BALI 500 MK**).



Folding guard, ensuring the maximum cutting height.



Height adjustable arm allows 3 blade sizes (**BALI 500 Mekano**).



Ø500 mm blade included in **BALI 500** Mekano.



Powerful single phase motor 3Kw (4Hp) version available in **BALI 700** Mekano.



Set of 2 handles for an easy handling (standard).



Folding legs and wheels.