

REBAR PROCESSING

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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.

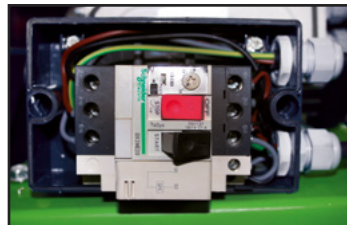


CEL 42 P with elevator bench (optional)

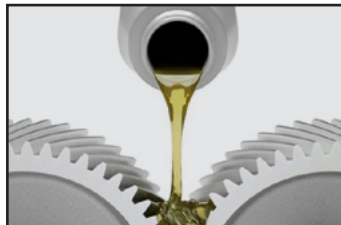
FEATURES AND BENEFITS OF THE CEL RANGE



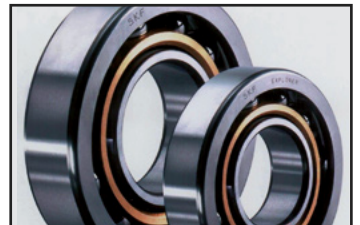
Interchangeable 4 faced long life cutting blades (set of 2 pcs.).



Magneto-thermic ON/OFF switch.



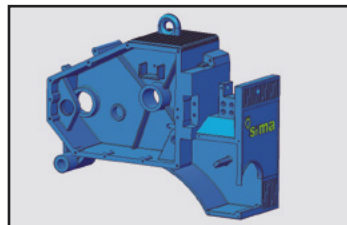
Oil bathed trapezoidal and Helicoidal gears for heavy duty.



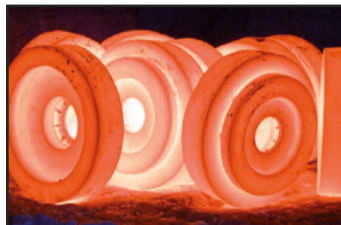
High end quality bearings.



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 continuous 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

Yield strength / Grade	Re=N / mm ² 480 / G-60						Re=N / mm ² 650 / G-75					
	Rm=N / mm ² 650						Rm=N / mm ² 850					
Tensile strength												
No. x	1		2		3		1		2		3	
	mm	in / #	mm	in / #	mm	in / #	mm	in / #	mm	in / #	mm	in / #
CEL 36 P	Ø30	1-1/8" / 9	Ø20	3/4" / 6	Ø16	5/8" / 5	Ø25	1" / 8	Ø20	3/4" / 6	Ø16	5/8" / 5
CEL 42 P	Ø35	1-3/8" / 11	Ø25	1" / 8	Ø16	5/8" / 5	Ø32	1-1/4" / 10	Ø25	1" / 8	Ø16	3/4" / 6
CEL 52 P	Ø40	1-1/2" / 11	Ø25	1" / 8	Ø16	5/8" / 5	Ø40	1-1/2" / 11	Ø25	1" / 8	Ø16	3/4" / 6
CEL 55 P	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 / 4P
Kw (Hp)	4 (5,5)			4 (5,5)		
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.

NEW



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 DEL x2 speeds:

DEL 32 x2 speeds: fast: Ø16 mm (#5) – slow: Ø28 mm (#9)

DEL 36 x2 speeds: fast: Ø20 mm (#6) – slow: Ø32 mm (#10)

DEL 45 x2 speeds: fast: Ø25 mm (#8) – slow: Ø40 mm (#14)

Bending capacity

Yield strength / Grade	Re=N / mm ² 250 / G-40						Re=N / mm ² 480 / G-60						Re=N / mm ² 650 / G-75					
	Rm=N / mm ² 450						Rm=N / mm ² 650						Rm=N / mm ² 850					
Tensile strength	Rm=N / mm ² 450						Rm=N / mm ² 650						Rm=N / mm ² 850					
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 / #
DEL 32	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
DEL 36	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
DEL 45	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
DEL 52	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"												
DEL 32	1	4	4	1	1			1											2
DEL 36	1	4	4	1	1	1													2
DEL 45	1	4	4	1	1	1													2
DEL 52	1	4	4	1	1	1													2



	DEL 32				NEW: 2 speeds DEL 32 2V		DEL 36		NEW: 2 speeds DEL 36 2V	
	1 - 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 st & 2 nd speed		11			11 / 22	10			10 / 20	
Bending capacity 1 st & 2 nd speed					Ø28 / Ø26 mm				Ø32 / Ø20 mm	
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"		

	DEL 45			NEW: 2 speeds DEL 45 2 SP		DEL 52	
	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 st & 2 nd speed	6,5			10 / 20	6		
Bending capacity 1 st & 2 nd speed				Ø40 / Ø25 mm			
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.

- 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



Bending capacity **COMBI** x2 speeds:

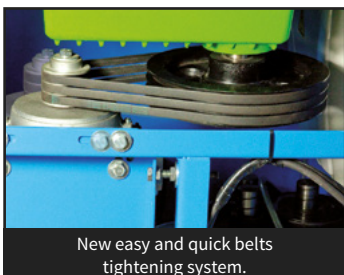
COMBI 25-32 doble velocidad:

Bending fast speed: Ø 16 mm (#5) - Bending slow speed: Ø 28 mm (#9)

COMBI 30-36 doble velocidad:

Bending fast speed: Ø 20 mm (#6) - Bending slow speed: Ø 32 mm (#10)

FEATURES AND BENEFITS OF THE DEL AND COMBI RANGE



New easy and quick belts tightening system.



Protection shield for control panel.



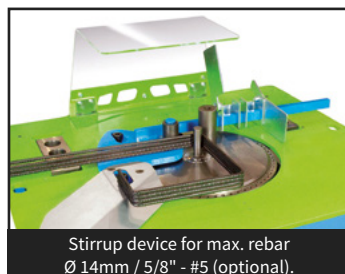
Inverter equipped (Single-phase).
Reduced noise operation.



Safety foot pedal control.



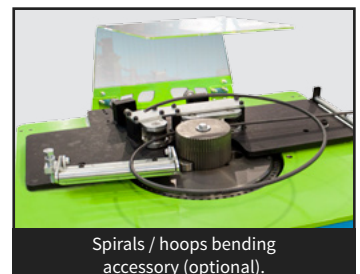
Pins with new anti stick lubrication system. Bolt for extracting pins (optional).



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



COMBI 25 - 32

COMBI 36 - 52

Cutting / Bending capacity

Yield strength / Grade	Re=N / mm ² 250 / G-40						Re=N / mm ² 480 / G-60						Re=N / mm ² 650 / G-75					
Tensile strength	Rm=N / mm ² 450						Rm=N / mm ² 650						Rm=N / mm ² 850					
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"	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		
COMBI 30 - 36	1	4	4	1	1	1	
COMBI 36 - 52	1	4	4	1	1	1	1



NEW: 2 speeds

NEW: 2 speeds

Item code	COMBI 25 - 32				COMBI 30 - 36			COMBI 36 - 52			
	1 - PHASE	3 - PHASE	2 SP.	3 - PHASE	3 - PHASE	2 SP.	3 - PHASE	3 - PHASE	3 - PHASE		
20351504	20351500	20351502	20351505	20351501	20352000	20352002	20352005	20352001	20352500	20352502	20352501
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 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.



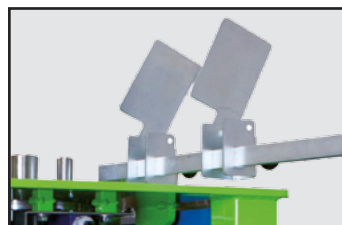
FEATURES AND BENEFITS OF THE STAR RANGE



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 ² 480 / G-60						Re=N / mm ² 650 / G-75					
Tensile strength	Rm=N / mm ² 650						Rm=N / mm ² 850					
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 3/8"	Ø18 / 1 3/4"	Ø25 / 1"	Ø36 / 1 3/8"	Ø48 / 1 7/8"				
STAR 16	1	1	1	2	1	1	1	1	2	
STAR 20	1	1	1	2	1	1	1	1	2	



Item code	STAR 16			STAR 20			
	1 - PHASE	3 - PHASE		1 - PHASE	3 - PHASE		
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).

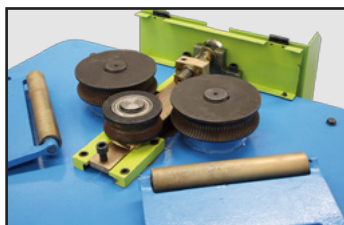
Spiral Hoop bender.

- 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.

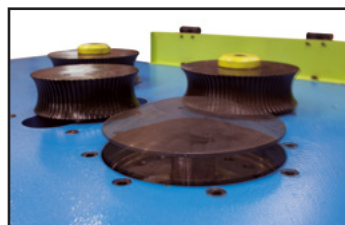


SPIRAL 26

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.

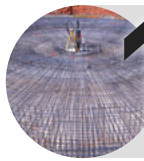


Motor reducer.



Control panel box.

APPLICATIONS:



1

Applications in foundations and pipelines.



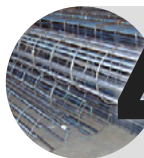
2

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 ² 480 / G-60	Re=N / mm ² 650 / G-75
Tensile strength	Rm=N / mm ² 650	Rm=N / mm ² 850
Minimum Ø spiral with rebar	Ø6 mm / 1/4"	
Minimum spiral Bending Ø mm (in.)	Ø 270 (11")	
	Millimeters - In (#)	
SPIRAL 26	Ø26 - 1" (#8)	Ø20 - 7/8" (#7)
SPIRAL 36	Ø32 - 1 1/4" (#10)	Ø26 - 1" (#8)

Accessories included

SPIRAL 26	1	1	1
SPIRAL 36	1	1	1

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

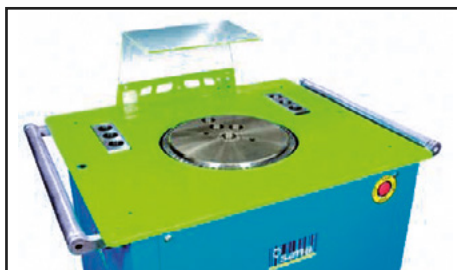
Optional



R807600000. 4 rollers feeding bench for DEL.



R807500000. 4 rollers feeding bench for CEL.



R202515009902 / R202525009902.
Side entry rollers for DEL & COMBI

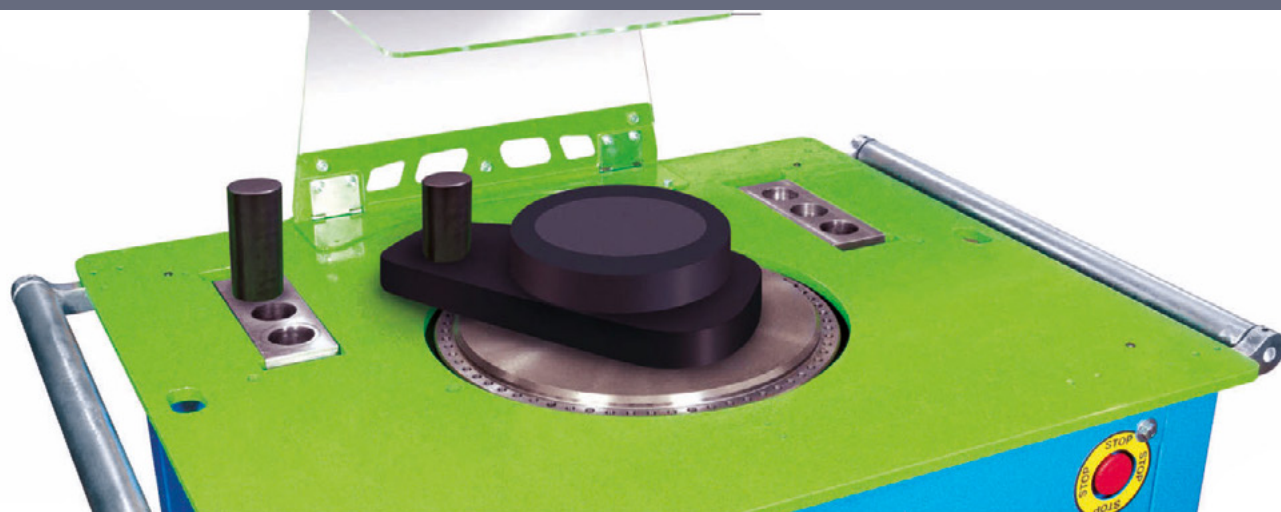


R805440000. Elevator bench for CEL range.






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		Del 45 - R868069000
	Ø250 / 9,84"	R868071000		Del 52 - COMBI 36/52 n.a
	Ø300 / 11,81"	R - 1207011		
	Ø381 / 15"	R868073000		
	Ø481 / 18,93"	n.a		R868074000

SPIRAL / HOOP BENDING ATTACHMENT



∅C

Min ∅6mm / 1/4" / #2

∅275 / 11"

Max. ∅20mm / 7/8" / #7

∅950 / 38"

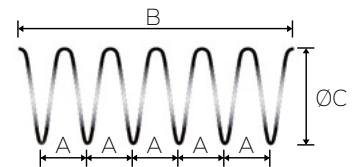
DEL 32 - 36

DEL 45 - 52

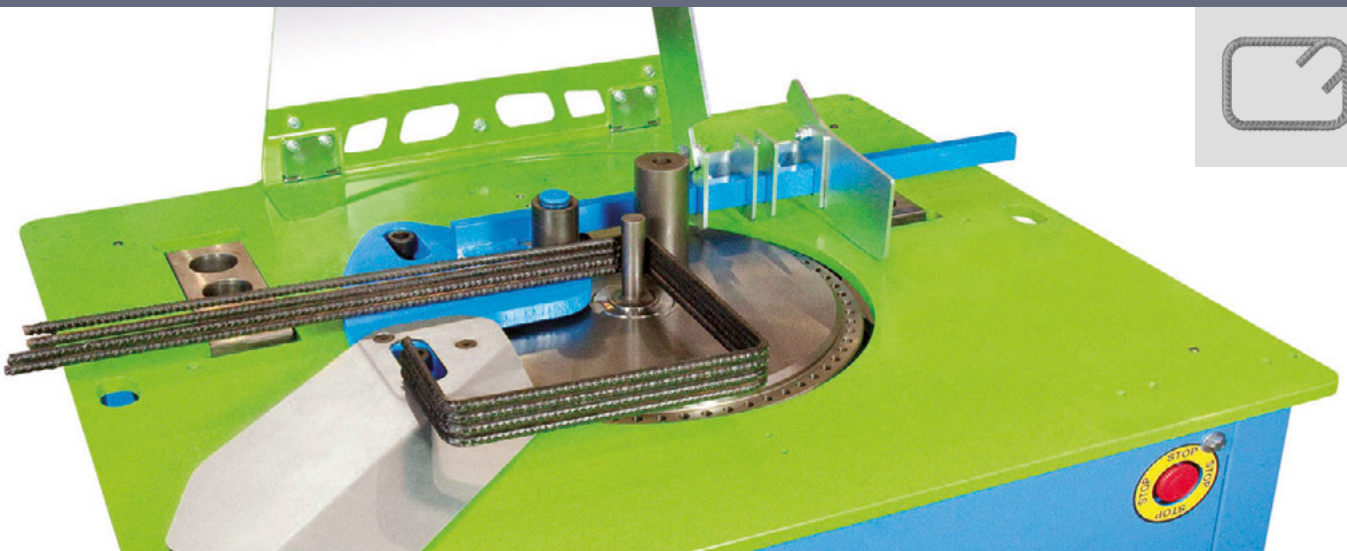
COMBI 25 - 32 / 30 - 36

COMBI 36 - 52

Item code: R888800000

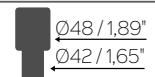
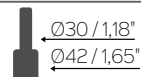
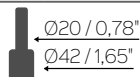


STIRRUP DEVICE



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

Bending Mandrels



No. x

7

4

2

2

1

∅mm / in / #

∅6 / 1/4" / #1

∅8 / 5/16" / #2

∅10 / 3/8" / #3

∅12 / 1/2" / #4

∅14 / 5/8" / #5

DEL 32 - 36

Item code: R202520009900

DEL 45 - 52

Item code: R202525009900

COMBI 25 - 32 / 30 - 36

Item code: R202520009900

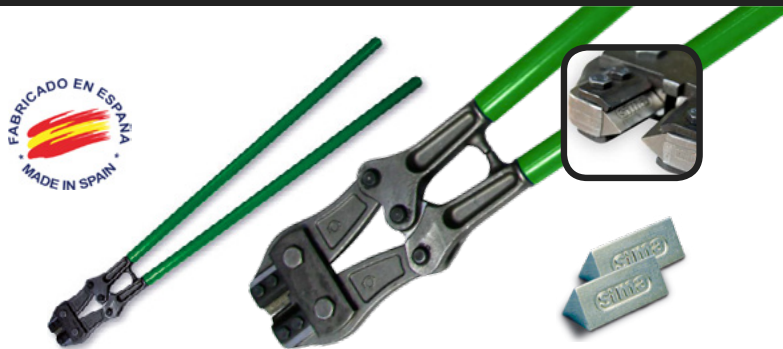
COMBI 36 - 52

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.



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

*Set of 2

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.

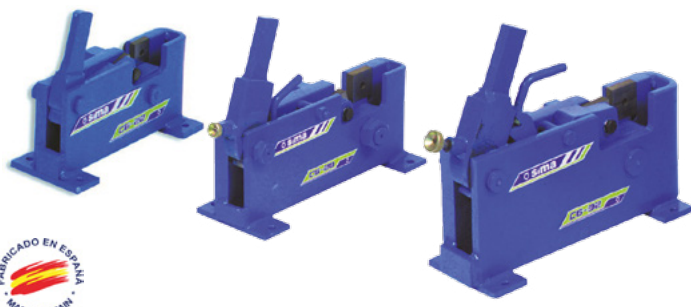


DM 12	
Item code	0912
Max. bending Ø (mm / in / #)	12 - 1/2" / #4
Net weight (Kg. / Lbs.)	8,2 / 18,07
Packaging dimensions LxWxH (mm / in)	935 x 265 x 195 / 36,8" x 10,4" x 7,6"
Packaging	2 pieces

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 length 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 and reinforced frame and body.
- 4 faced long life blades and adjustable bar stop bolt/nut.
- Double insulation and a pressure relief valve to retract the piston.

	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 255 x 160 / 21,4" x 10" x 6,2"		585 x 150 x 260 / 23" x 6" x 10,2"	

CX 16/20 Li-ion

BATTERY POWERED ELECTROHYDRAULIC REBAR CUTTERS

- Cordless and light weight, it runs on a 18V Lithium - ion battery.



	CX 16 LI-ION		CX 20 LI-ION	
	Item code	8162		8167
Motor voltage (V) / Amperage (Amp.)	18 / 2,2		18 / 2,6	
Min-Max. cutting (mm / in / #)	4 - 16 / 1/8" - 5/8" / #1 - #5		4 - 20 / 1/8" - 3/4" / #1 - #6	
Cutting speed (secs.- cut)	4 - 5 secs.		5 - 6 secs.	
Cuts per battery charge	50 - 60		50 - 60	
Net weight (Kg. / Lbs.)	13 / 28,6		15 / 33	
Packaging dimensions L x W x H (mm / in)	545 x 405 x 185 / 21,4" x 15,9" x 7,2"		545 x 405 x 185 / 21,4" x 15,9" x 7,2"	

ATA 450 Li Rebar tier

FAST AND STRONG TIE

- Tying selector for 2 or 3 wraps and 5 different levels of tying strength
- 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.
- 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).
- Suitable for most of wire coils available in the market, can use SIMA and most brands' coils.
- Featured with trigger lock for safety.



ATA 450 LI	
Item code	8534
Max. tying speed	0,8 seg. / tie
Ties per coil (3 / 2 wraps)	120 / 160 ties
Battery life	20 coils approx.
Voltage (V)	DC 14,4V - 3A / h
Battery type	LI-ION
Battery charging time	Approx. 70 min.
Wire coils packaging	Carton of 50 coils
Wire diameter (mm - in)	0,8 / 0,03"
Max. tying diameter (mm - in)	45 / 1,77.
Net weight (Kg. / Lbs.)	7,6 / 16,7
Packaging size L x W x H (mm / in)	485 x 135 x 385 / 18. x 5,3. x 15,15.