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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 confortable 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.

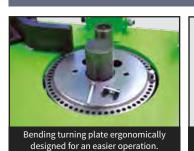
It is also quite suitable for builder's merchants or hardware stores with rebar supplying services.

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.



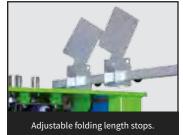




FEATURES AND BENEFITS OF THE STAR RANGE









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





Rebar Processing

Speed and versatility.

- STAR 16 and STAR-20 are not only able to produce standard stirrups but virtually any rebar shape tipically used in rebar structuresconstruction, 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 / mm² 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////////	7	7 6 5 3 1 1 7 6						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	ØG	Ø8	Ø10	Ø12	016		Ø6	08	Ø10	Ø12	016		
STAR 20	Ø6	08	ØIO	ØIZ	Ø16	Ø20		08	010	ØIZ	Ø16	Ø20	
	In / #												
STAR 16	Ø1/4"	Ø5/16"	Ø3/8" / #3	Ø1/2" / #4	Ø5/8" / #5		Ø1/4"	Ø5/16"	Ø3/8" / #3	Ø1/2" / #4	Ø5/8" / #5		
STAR 20	014	01/0	W3/8 / #3	012/#4	05/8/#5	Ø7/8" / #7	01/4	01/0	03/8 / #3	ØVZ / #4	03/8 / #3	Ø7/8" / #7	

Accessories ir	ncluded									
	Canal States			IJ			S	1	1	ſ
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

			INVERTER technolog					
STAR 16 STAR					R 20			
1 - PHASE	3 - PH	HASE	1-PHASE	3 - Pł	3 - PHASE			
0835	0830	0833	20202004	20202000	20202002	20202001		
230	230/	400	230	230 / 400				
50/3P	50 - 60 / 4P	50 - 60 / 5P	50 - 60 / 3P	50/4P	50/5P	60/4P		
2,2 (3)	1,5 (2)	1,5 (2)	1,5					
	19		17					
	140 / 308,64		214 / 471,79					
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"					
	0835 230 50 / 3P 2,2 (3)	1-PHASE 3-PH 0835 0830 230 230 / 50/3P 50-60/4P 2,2 (3) 1,5 (2) 19 140/308,64	1 - PHASE 3 - PHASE 0835 0830 0833 230 230 / 400 230 / 400 50 / 3P 50 - 60 / 4P 50 - 60 / 5P 2,2 (3) 1,5 (2) 1,5 (2) 19 19 100	STAR 16 1-PHASE 1-PHASE 0835 0830 0833 20202004 230 230 / 400 230 50 / 3P 50 - 60 / 4P 50 - 60 / 5P 50 - 60 / 3P 2,2 (3) 1,5 (2) 1,5 (2) 1,5 (2) 19 140 / 308,64	STAR 16 STAR 16 1 - PHASE 3 - PHASE 1 - PHASE 3 - PHASE 0835 0830 0833 20202004 20202000 230 230 / 400 230 230 200 50 / 3P 50 - 60 / 4P 50 - 60 / 5P 50 - 60 / 3P 50 / 4P 50 / 4P 2,2 (3) 1,5 (2) 1,5 (2)	STAR 16 STAR 16 STAR 16 STAR 20 1 - PHASE 3 - PHASE 1 - PHASE 3 - PHASE 0835 0830 0833 20202004 20202000 20202002 230 230 / 400 230 230 / 400 230 / 400 230 / 400 50 / 3P 50 - 60 / 4P 50 - 60 / 5P 50 - 60 / 3P 50 / 4P 50 / 5P 2,2 (3) 1,5 (2) 1,5 (2) 1,5 (2) 1,5 (2) 1,5 (2) 19 140 / 308,64 4 214 / 471,79 214 / 471,79		