

FULLY AUTOMATIC MACHINE FOR THE PRODUCTION OF PILE CAGES
type MONDEA 180/360 - TECHNICAL SPECIFICATIONS

Fully automatic machine designed for the production of circular or rectangular pile cages.



Integrated units:

- Two perforated plates, one fix and one mobile, are available, in order a huge variety of pile cages can be produced.
- Radial plates for the longitudinal bars.
- Electric/electronic unit including PC, in order the machine production is programmed and its function is controlled too.
- Fixed pay-off.

General characteristics:

- Welded spiral (welding points according to the structural project)
- Programmable pitch
- Both servomotor and inverter are available in order the production speed is controlled
- Arc welding
- Fixed pay-off of controlled feeding

MONDEA 180 / 360		
SPECIFICATIONS	180	360
Pile Cage length (max.) (mm)	12 (14/16/18/20/24) *1	
Pile Cage diameter (min) (mm)	200	360
Pile Cage diameter (máx.) (mm)	1500	2000
Spiral (mm) Fixed pay-off	Ø6-Ø16	
Spiral pitch (mm)	50-500	
Longitudinal bars diameter (min) (mm)	Ø12	
Longitudinal bars diameter (máx.) (mm)	Ø32 (40)	
Installed power (kW)	25	
Productivity	1 pile cage/55min* *Ø500 – pitch 100mm	
Operators	1 operator + 1 assistant	

*1: as specified by the customer

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Procedure:

- The longitudinal bars are mounted on both plates (fixed and mobile) with the help of fastening bolts. They are also supported by radial plates.
- Longitudinal bars spacing according to the structural project.
- The spiral rod is welded to any longitudinal bar. Following the spiral rod gets an entire turn around the longitudinal bars.
- Following the machine is put into operation in order an entire spiral, around the longitudinal bars, is made (spiral pitch according to the structural project).
- Spiral forming speed and spiral pitch are adjusted by PC.
- Diameter change extremely easy.
- Spiral welding points according to the structural project

Additional data:

- Machine designed to produce circular or/and rectangular pile cages.

Installation:

The machine must be installed on a concrete platform