



Art. 2146

Boring machine the one-sided version, i. with top and bottom heads with automatic feed or without.



Technical data

		"SYSTEM 32"	
Boring capacity	18-20		pcs/minute
Max. standard length of workpiece	2.800		mm.
Min. standard length of workpiece	180		mm.
Max. standard width of workpiece	800		mm.
Min. standard width of workpiece	120		mm.
Max. standard distance between the outer spindles	2.528		mm.
Number of standard holes that can be made in each row	80		
Standard center distance between spindles	32		mm.
Number of spindles for each single head	20		
Power of motor of each single head	2,5 HP at 280 rpm		
Min. standard distance between rows	180		mm.
Max. standard distance between rows	608		mm.
Overall measurements, double version with automatic feed	3700 x 3900 x 1700		mm.
Overall measurements, double version without automatic feed	1350 x 3900 x 1700		mm.

Our boring machine "SYSTEM 32" has been designed to effect two or more parallel rows of continuous holes at 32 mm. center distance on panels up to a standard length of 2800 mm.

The basic frame of this machine consists of two heavy section longitudinal steel members densely ribbed inside and parallel to each other.

These two longitudinal members are linked by two steel cross members equipped with slideways carrying the boring heads making up the continuous rows. The rows of continuous holes are effected crosswise in respect to the feed direction.

The boring heads are standard for all the boring machines we manufacture. The first row of boring heads in the pack of the machine is locked on the slideways, while the second one on the front of the machine slides freely; each boring head can be used independently of the others to obtain staggered rows. Displacement of the boring heads is obtained by a lead nut having a 4 mm. pitch. A graduated disk fitted directly on the lead nut shank ensures accurate reading of displacements.

Each single head can be locked and released by means of Jaccard levers without use of wrenches.

The machine is available in four different types:

- the one-sided version (i.e. with bottom heads) with or without automatic feed;
- the two sided version (i.e. with top and bottom heads) with or without automatic feed.

These machines can be used either independently or in line with other automatic machines.

For an accurate execution of through holes without chipping the edge of the holes, we recommend the two-sided type. The continuous cycle version features an automatic feed with two V-belts on each side running on spaced pulleys coupled for passage between the spindles, with a bar driven by a self-braking geared motor in such a way that the boring operation can be made as far as the very edge of the panel.

End ledges, front and side squares ensure perfect positioning of the workpiece after it has been placed into the operating range of the machine.

A number of pneumatic clamps on bearing surfaces (sliding on the upper beam of the machine) lock the panel before the boring operation.

The electric, pneumatic and electronic systems are installed separately in a special cabinet incorporated in the left hand side of the machine.

The logical sequence of subsequent stages of the work cycle is ensured by an electronic system on a printed circuit and fitted on the machine via a multiple connector.

