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MPC100

Container case clamp for office furniture
MPC 100 - profi line

Application:

The LIGMATECH clamp MPC 100 is a carcass clamp for office containers and desk base units, but also for other comparable carcasses with a constant width.

It offers the advantage of a jointing clamp with automatic carcass discharge. The carcass points with its back side towards the operator and there are also other requirements to be met by the carcass structure.

Function:

At an operating desk, various basic sequences of operations can be called that are filed under programme numbers. On doing so, certain clamping elements are prepositioned.

The sides and the lower bottom shelf are manually inserted against the pre-controlled stops and held by vacuum-suction elements in the clamping cheeks.

Via a two-hand control, the horizontal clamping process is actuated. Afterwards, the lid is put on and the rear panel is positioned.

For clamping the upper shelf and the rear panel, the upper-pressure element and the rear-panel clamping device are traversed into the clamping zone on clamping a push-button and the clamping process is started via a two-hand control.

After the ready signal is given by push-button confirmation or after the clamping time (adjustable up to 999 s) has expired, the clamp is opened and the parts are discharged to the side that is turned away from the operator.

Design:

- Sturdy machine frame, welded and machined, to accommodate the two clamping cheeks on recirculating ball guides
- The two clamping cheeks are lined with armour wood and possess recesses for stops, suction elements (4 per side) and possibly projecting lids
- One of the two clamping cheeks is adjustable to a fixed position by means of a screw, while the second clamping cheek is serving as a clamping element and is activated by means of a pneumatic stroke of 40 mm
- Per clamping cheek, 2 pneumatically approachable rows of stop pins - depth

Specification

Date 03/05/2024
Machine number 0-306-09-9053
Product key MPC100

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- approx. 600/800, 3 pins at a distance of approx. 500 and 400
- Per clamping cheek, one upper-pressure element and one horizontal clamping device from behind each that are pneumatically fed
 - The horizontal clamping device is subdivided into individual clamping ranges that can be called via the programme
 - Per side, one discharge unit

Workpiece parameters:

----- Carcass dimensions

- Width: min. 300 mm
max. 500 mm
(firmly adjustable)
- Height: min. 400 mm
max. 900 mm
- Depth: 600/800 mm
2 carcass depths over fixed stop

Carcass structure:

Lower bottom shelf doweled between the sides; lid doweled on the sides, projection up to 3 mm is possible; bottom surface even, in case of preassembled feet and idlers there is a consultation required!; backpanel pegged between the sides; further information in the specification; drawings of the construction of the units ordered!

With regard to intermediately doweled upper shelves or the formation as crossrails, options must be activated.

Technical parameters:

- Working height: 650 mm
- Capacity: approx. 1 carcass/min
- Floor space required: length 2,200 mm
height 2,600 mm
depth 1,200 mm

Forming pressure at 6 bar: side : 2.6 kN
upper-pressure element: 1.1 kN
rear-panel pressure element: 1.6 kN

- Weight: 1.3 t
- Required room height: 2,700 mm

Pneumatic system:

- Operating pressure: 5 .. 8 bar
- Air consumption: approx. 80 NI/carcass

Electrical system:

PLC-control system with alphanumeric input for the simple and convenient operation and programming.

It is possible to produce and store carcass programmes where data such as clamping times, forces, position of vertical clamping cheeks, etc. are filled.

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Electrical data:

- Operating voltage 415 V, 50 Hz
- Control voltage 24 V DC according to VDE
(Please always indicate different voltage!)
- Connected load approx. 2 kW
- Switch cabinet free-standing (detached)
- Installed according to the European standard
EN 60204

Notes:

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- The floor conditions have to meet the stipulations of the foundation plan.

Varnishing:

Painting: Robustik structure varnish grey
RDS 240 80 05

Conformity:

All machines for EU member states certified with the CE trademark according to the EC machinery guideline 98/37/EEC annex IIA.
The safety measures provided meet the requirements of the professional association.

- Documentation in duplicate

- V. 03 Number 0001 1 Piece
ADDITIONAL SIDE DEPTH
- additional row of stop pins within the max. carcass depth
- controlled via programme
- V. 09 Number 0210 1 Piece
SECOND FIRMLY ADJUSTED CARCASS WIDTH
Special installation for 90-degree-edges or angles according to specification
- V. 12 Number 5010 2 x left
PROTECTIVE GRID, HEIGHT 1800 MM
Metres required: 2 m
- Price per running meter.