FAMAD
Fabryka Maszyn i Urządzeń Przemysłowych Sp. z o.o.
ul. Wojska Polskiego 28, 48-370 Paczków
(+48) 774390070 / fax. (+48) 774316110
**Marketing (+48) 774390071 [72,73]**
famad@famad.com.pl, www.famad.com.pl

# STAIRCASE ASSEMBLY CLAMP DSMS-5

| v1 | | 2013/01/23 |
|---|---|---|

The staircase assembly clamp DSMS-5 is an appliance that makes the mechanical installation of steps in staircases with side surfaces possible, with a minimal exchange of die time.

The machine's supporting structure is a steel body built from specially shaped sheets. After welding, the body has a worked surface that serves as a base for installation of subassemblies of the clamp. The steps of the installed staircase are pushed in by a set of drawers moved by the pusher rollers. Pusher movement is made possible by a combination of a cylindrical gear and a trapezoidal screw. All pushers are mechanically synchronized; hence all drawers are also synchronized. The appliance is equipped with a slidable base making it possible to install steps in varying distances from the beginning of the side surface. A PLC microprocessor controller operates the clamp's work. The appliance is equipped with a frequency converter making it possible to regulate the rotational speed of the driving motor and along with it, the clamping speed. A pneumatic system, enabling the regulation of clamping power, is equipped with sensors making work impossible should the clamping be incorrect.


**Technical and Operational Data:**

| | | |
|---|---|---|
| Scale | mm | **250** |
| Step inclination | deg. | **20** |
| Maximum amount of installed steps | qt. | **5** |
| Amount of pneumatic actuators:<br>- horizontal clamp<br>- vertical clamp | qt. | <br>**3 + 3**<br>**2** |
| Noise level | dB | **83** |
| Installed power | kW | **1.5** |
| Working voltage | V | **3/N/PE, 400V 50Hz** |
| Control voltage | V | **24** |
| Appliance mass | kg | **400** |