

EP 48 PRO Bookbinding Slot Applicators

Efficient hot melt polyurethane (PUR) adhesive applicator optimizes material use and maximizes production efficiency



EP 48 PRO applicators offer:

- Real-time volumetric adjustment to maintain pressure during viscosity or adhesive changes
- Volume compensation for high-quality, saleable first book produced (book on demand)
- Automated width adjustment
- Snuffback technology for excellent adhesive cutoff
- Positive adhesive application pressure directly on the spine for good adhesion
- A closed system for clean adhesive application and reduced maintenance

The EP 48 PRO applicator delivers accurate, consistent hot melt adhesive application to book spines. Precise control of adhesive application allows use of only the amount of adhesive necessary for the optimum bond without the need for over application.

EP 48 PRO applicators provide on-demand adhesive application so even the first book produced after a spine width change is saleable. Changes in adhesive viscosity and/or spine thickness are automatically adjusted for with volume compensation technology. Continuous automatic adjustment for accurate, real-time volumetric PUR application provides consistent, reliable spine gluing: adhesive thickness, width, and length end-to-end of the book.

EP 48 PRO applicators integrate into parent machines including integration into parent machine controls. Volumetric measurement calculates the amount of adhesive needed and the automatically adjusted pump applies the correct adhesive volume.

Intuitive, graphical on-screen programming simplifies production changeovers to accommodate different book specifications and requirements.

The EP 48 PRO applicator is part of a complete Nordson solution, the PURePro™ system. The combination of Nordson's applicator, hose and slug melter protect adhesive from exposure to the moisture in air that can cause premature curing of the PUR adhesive.

Features and Benefits

- No need to purge between spine width changes as volume is equalized inside the applicator to avoid squeeze-out or introduction of air into the nozzle.
- Increased productivity with shorter changeover time and less maintenance.
- Higher-quality bond and appearance with little or no squeeze-out or inconsistent book spines.
- Reduced adhesive use, so cost, due to precise, consistent adhesive application.
- Efficient, effective PUR adhesive use due to the closed dispensing system.



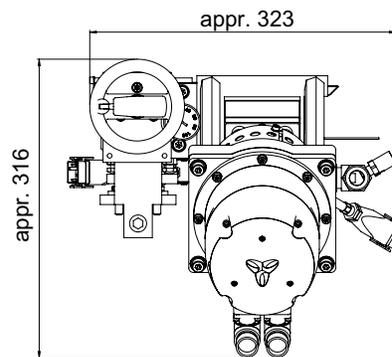
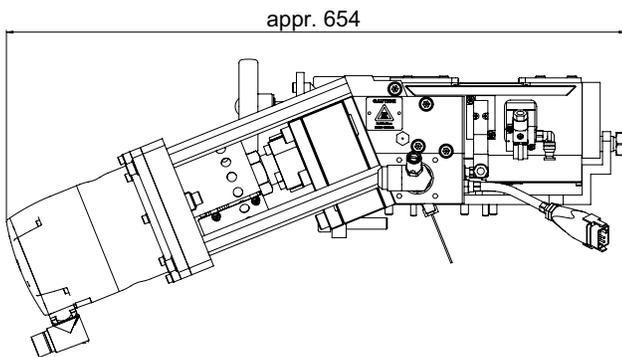
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Specifications

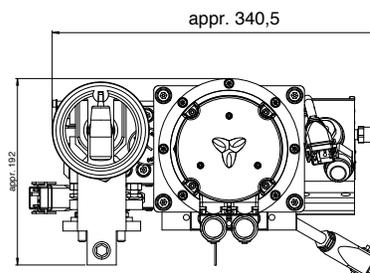
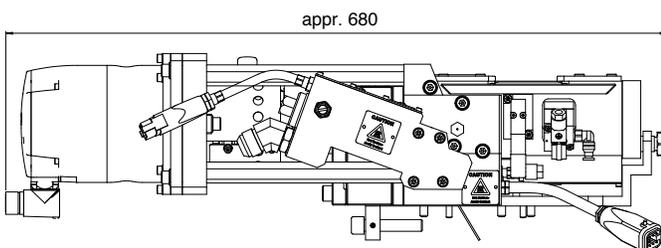
Application Width	1.5-60 mm (0.06-2.4 in.)
Maximum Operating Temperature	180°C (356°F)
Operating Adhesive Pressure	40 bar/4 MPa (580 psi)
Maximum Operating Air Pressure	6 bar/0.6 MPa (87 psi)
Maximum Adhesive Viscosity¹	8,000 cps/MPas (8 Ms/m ²)
Operating Voltage	230 VAC, 50/60 Hz, single phase
Temperature Sensor	Ni 120
Weight (approx.)	53 kg (117 lb)
Degree of Protection	IP 54

¹ Additional adhesives are being and will be evaluated.

Dimensions (in mm)



Automated Adjust EP 48 PRO Applicator with Angled Motor Adapter
(shown without filter)



Manual Adjust EP 48 PRO Applicator with Straight Motor Adapter
(shown with filter)



For more information, speak with your Nordson representative or contact your Nordson regional office.

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