

Empress™ Series

SEWING HEADS

FISCHBEIN®

**LOW VIBRATION.
VALUE.
RELIABILITY.**

Fischbein's new Empress Series is designed to deliver long-range, smooth performance with low vibration. Featuring variable speed and a compact design, Model 100 Standard Sew and Model 101 Tape Sewing Heads are the latest innovations in trouble-free bag-sewing technology. With an easily adjustable sewing speed from 25 to 80 feet, the Empress Series is perfect for sewing every type of open-mouth bag including paper, woven polypropylene and jute.

Built with Fischbein® craftsmanship, the Model 100 and Model 101 Sewing Heads are constructed with heavy-duty metal components for unmatched durability you can rely on for years to come. Even in the most demanding working environments, Fischbein's patented, pressurized, self-lubricating system protects moving parts and ensures maximum productivity with low maintenance.

Both the Model 100 and 101 Sewing Heads are easily adaptable to your existing equipment. They can be used with either standard two-thread stitch or single-thread stitch, and stitch width is adjustable from 2 to 4 stitches per inch. A wide variety of accessories are available including various mounting pedestals, power infeed systems, a full range of conveyors, bag-top folders, thread and tape break detectors, bag coders and photoelectric controls for system integration.

For more information, visit our web site at
www.grainman.com



Models 100, 101

PRODUCT FEATURES

Compact design.
Variable operating speed.
Low noise.
Minimal vibration resulting from precision balanced components.
Patented self-lubricating system.
Quick thread and tape cutting system.

MODEL 100 STANDARD SEW SPECIFICATIONS

Maximum speed of 80 feet per minute.*
Closure type is standard sew.
Material thickness maximum 8.0 mm.
Stitch width is adjustable from 2-4 per inch (6.5-12.5 mm), standard setting 2 1/2 SPI.
Stitch type is single needle, double thread chain stitch, Federal Type 401.
Start/Stop by micro-switch or photoelectric switch (not included).
Thread cutter is guillotine style.
Air pressure requirement maximum of 50 PSI.
Air consumption is 2-3 SCFM.
Pressurized self-lubricating (recommend Fischbein Brand Lubricant).
Net weight is 57 pounds (26 kg), Shipping weight is 63 pounds (29 kg).
Thread synthetic (12/4) or cotton (recommend Fischbein Brand Polyester Sewing Thread).

**Max. speed calculated at 2 stitches per inch and depends upon product and bag material.*

MODEL 101 TAPE SEW SPECIFICATIONS

Maximum speed of 80 feet per minute.*
Closure type is tape sew.
Crepe tape width for Model 101 ranges from 1 1/4 to 2 1/2 ".
Material thickness maximum 8.0 mm.
Stitch width is adjustable from 2-4 per inch (6.5-12.5 mm), standard setting 2 1/2 SPI.
Stitch type is single needle, double thread, Federal Type 401 or single thread for "easy opening" Federal Type 101.
Start/Stop by micro-switch or photoelectric switch (not included).
Thread/Tape cutter is scissors style.
Air pressure requirement minimum of 90 PSI.
Air consumption is 10-12 SCFM.
Pressurized self-lubricating (recommend Fischbein Brand Lubricant).
Net weight is 62 pounds (28 kg), Shipping weight is 65 pounds (30 kg).
Thread synthetic or cotton (recommend Fischbein Brand Polyester Sewing Thread).

**Max. speed calculated at 2 stitches per inch and depends upon product and bag material.*

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