

# CLASS

# 80800



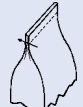


# SEWING HEADS





high speed, heavy duty bag closing machines  
for closing filled bags made from burlap, jute,  
woven poly, cotton, plastic, and paper

from

 **Union Special**  
Finest Quality The trusted name in bag machines since 1881



STANDARD HEADS — can be used with US100 & US300 columns			SPECIFICATIONS			
STYLE	FEATURES	APPLICATION	SEAM and STITCH TYPE	SEWING CAPACITY	STITCHES PER INCH	MAXIMUM SPEED*
80800C	Single needle, plain drop feed, vertically mounted sewing head. Fitted with mechanically operated chain cutter.	For closing small and large filled bags made of burlap, jute, cotton, paper, plastic or woven polypropylene materials. Filter cord to seal needle punctures may be used.	  401SSa-1    401SSn-1	Medium to heavy (up to 32 plies of paper)	2 to 4 (3 standard)	1800SPM
80800H	Single needle, plain drop feed, vertically mounted sewing head. Fitted with feeler activated mechanically operated tape cutter. Optional tape folders are adjustable for tape widths of 2" to 2½".	For closing small and large filled paper or plastic bags with a crepe of plastic tape bound seam. The leading and trailing edge of the tape extends approximately ¾" beyond edge of bag. Filter cord to seal needle punctures may be used.	 401BSa-1	Medium to heavy (up to 24 plies of paper)	2 to 4 (3 standard)	1800SPM

AUTOMATIC HEADS — for use with automatic bagging systems			SPECIFICATIONS			
STYLE	FEATURES	APPLICATION	SEAM and STITCH TYPE	SEWING CAPACITY	STITCHES PER INCH	MAXIMUM SPEED*
80800R	Similar to basic style 80800C except includes feeler activated automatic start/stop sewing controls. Function of solenoid operated chain cutter is automatic. Feed-in device GBR29905X1 can be used.	For closing small and large filled bags made of burlap, jute, cotton, paper, plastic or woven polypropylene materials. Filter cord to seal needle punctures may be used.	  401SSa-1    401SSn-1	Medium to heavy (up to 32 plies of paper)	2 to 4	1800SPM
80800RL	Same as style 80800R except automatic chain cutter is air operated.	Same as style 80800R.	Same as style 80800R.	Medium to heavy (up to 32 plies of paper)	2 to 4	1800SPM
80800RL-Z26	Same as style 80800R except photocell activated automatic start/stop sewing controls, and air operated chain cutter.	Same as style 80800R.	Same as style 80800R.	Medium to heavy (up to 32 plies of paper)	2 to 4	1800SPM
80800TL	Similar to style 80800UAL except prepared for tape over seam closure.	For closing small and large filled paper or plastic bags with stitching and a self-adhesive crepe tape.	 401BSa-1 (mod.)	Medium to heavy (up to 24 plies of paper)	2½ to 4	1500SPM
80800U	Similar to style 80800H except tape folder furnished is adjustable for tape widths of 2" to 2¾". Feeler activated start/stop sewing controls are automatic.	For closing small and large filled paper or plastic bags with a crepe of plastic tape bound seam. The leading and trailing edge of the tape extends approximately 1½" beyond edge of bag.	 401BSa-1	Medium to heavy (up to 24 plies of paper)	2½ to 4	1800SPM
80800UL	Same as style 80800R except automatic tape cutter is air operated.	Same as style 80800U.	Same as style 80800U.	Medium to heavy (up to 24 plies of paper)	2½ to 4	1800SPM
80800UA	Similar to style 80800U except prepared for use with automatic feed-in device GBR29910X1. Without tape folder.	Same as style 80800U.	Same as style 80800U.	Medium to heavy (up to 24 plies of paper)	2½ to 4	1800SPM
80800UAL	Similar to style 80800U except prepared for use with automatic feed-in device GBR29910X1 and automatic tape cutter is air operated. Recommended when compressed air source is available. Without tape folder.	Same as style 80800U.	Same as style 80800U.	Medium to heavy (up to 24 plies of paper)	2½ to 4	1800SPM
80800UAL-Z29		Same as style 80800U.	Same as style 80800U.	Medium to heavy (up to 24 plies of paper)	2½ to 4	1800SPM

\* Maximum speed will depend upon sewing application

# line of high production Bag Closing equipment

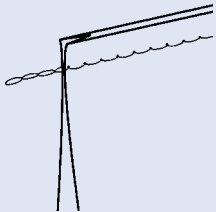
Use this chart to select the right bag closing equipment to fit your needs.

1 Pick the Closure		2 Standard or Automatic Sewing Head		3 Bag Material			4 Column Selection		5 Bag Feed-in Device
CLOSURE TYPE		SEWING HEADS		BAG MATERIAL			COLUMN ONLY NO CONVEYOR		BAG FEED-IN DEVICE
TAPE	PLAIN	STANDARD	AUTOMATIC	PAPER	SYNTHETIC	NATURAL FIBER	SINGLE HEAD SYSTEM	DOUBLE HEAD SYSTEM	
	•	80800C		•	•	•	US100	US200	none
•		80800H		•	•	•			
	•		80800R	•	•	•	US300	US600	GBR29905X1 (plain) GBR29905X1 with 93051FA (fold-over)
	•		80800RL	•	•	•			
•			80800TL	•	•	•			
•			80800U	•	•	•			
•			80800UL	•	•	•			
•			80800UA	•	•	•			
•			80800UAL	•	•	•			

## Choice of closure to suit your needs

### PLAIN CLOSURE

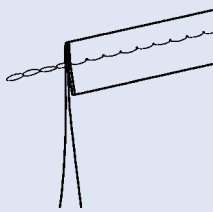
Stitch/Seam Type 401SSa-1



The simplest and most popular closure for textile, paper-lined textile and paper bags of all sizes.

### FOLD-OVER CLOSURE

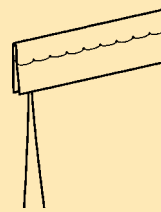
Stitch/Seam Type 401SSn-1



An excellent plain sewn closure for bags. Bag top is folded over and stitched through, forming a strong, neat closure.

### TAPE-BOUND CLOSURE

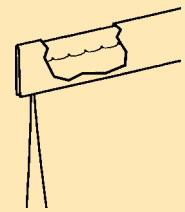
Stitch/Seam Type 401BSa-1



Bags closed with tape bound closures add to package sales appeal and provide a bag that can be handled without fear of closure breaks.

### TAPE-OVER SEAM CLOSURE

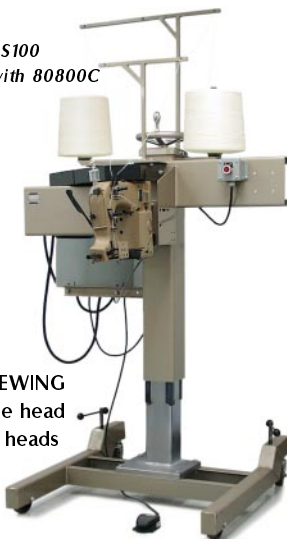
(401BSa-1 modified)



Infestation proof, moisture barrier, and sift proof closure for all types of bags. Adds to seam strength and integrity.

## Columns for every sewing operation

US100  
with 80800C



FOR MANUAL SEWING  
• US100 for single head  
• US200 for two heads

US300 with  
80800UALZ29,  
GBR2990X1 and  
V8 conveyor



FOR AUTOMATIC SEWING  
• US300 for single head  
• US600 for two heads

## Bag feed-in devices

For plain closure styles 80800R and RL, use bag feed-in device **GBR29905X1**. The device guides the bag to the machine where it sews the plain closure. A fold-over closure may be sewn when the device is fitted with optional fold-over device **93051FA** (see back of this brochure).

Use **GBR29910X1** bag feed-in and trimming device in connection with tape closure styles 80800TL, U, UL, UA, and UAL. The upper edge of the bag is trimmed and folded over before taping and closing. Both feed-in devices run completely beneath the sewing head, for the best possible bag control. This is especially beneficial when a tag must be sewn into the closure, to avoid dropped tags.

On all Union Special feed-in devices the conveyor chains are coated to minimize marking of the bag material.

## Bag Closing Options

### Bag Fold-over Device



For all kinds of self-supporting bags, fold-over kit 93051FA folds the bag-top to the rear. It mounts easily on plain closure feed-in device GBR29905X1.

### Automatic Start/Stop & Chain Pusher Kit for 80800C

Kit 29480WD retro-fits on style 80800C to convert a mechanical system into an automatic start/stop unit.

The device includes a thread chain pusher.

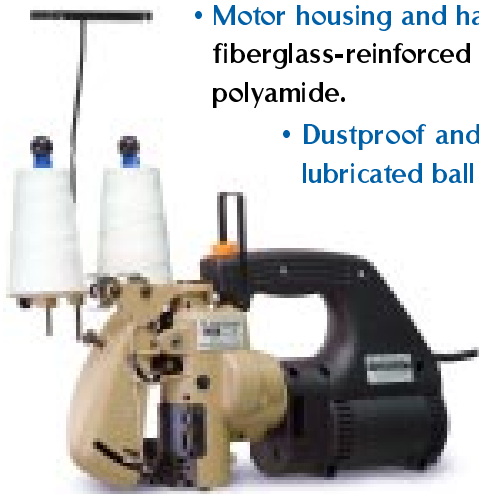
- Consistent, reliable closures
- Increased production
- Simplifies and deskills the bag closing operation
- Works with the GBR29905X1 feed-in device
- Thread chain is automatically cut



## Versatile and Dependable — Portable Bag Closing Machines

### Class 2200

- Lightweight, weighs only 11 pounds.
- Direct drive with fan cooled, advanced design motor. Electrical specs: 1ph/60Hz/110V.



- Motor housing and handle made of fiberglass-reinforced break-resistant polyamide.
- Dustproof and permanently lubricated ball bearings.
- Built-in thread chain cutter.
- Power cable: 16 ft. long (5m).
- Speed: 1200-1700 SPM (depending on material).

- Stitch length: adjustable, from 3-8½ stitches per inch.
- Sewing capacity of up to 3/8" (9 mm) or 24 plies of paper.
- Stitch Type: Produces two thread double locked stitch (Stitch Type 401), but can be converted to produce single thread chainstitch (Stitch Type 101).

### Class 3000

- Lightweight, weighs only 8.4 pounds.
- Direct drive with fan cooled, advanced design motor. Electrical specs: 1ph/60Hz/110V.
- Motor housing made of fiberglass-reinforced break-resistant polyamide.
- Dustproof and permanently lubricated ball bearings.
- Power cable: 16 ft. long (5 m). Built-in thread chain cutter.
- Fixed stitch length of 3 stitches per inch.
- Speed: 1500 to 1900 SPM (depending on material).
- Sewing capacity of up to 3/8" (9 mm) or 24 plies of paper.
- Stitch Type: Produces single thread chainstitch, Stitch Type 101.



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