

Electronic eyelet button holer

RH-9800

- Ideal for a wide range of designs and applications
- Accurate and attractive buttonhole finishes
- Improved productivity through max. sewing speed 2,200rpm.
- Easy maintenance



Easy-to-operate eyelet buttonholer provides excellent cost performance

One machine can be used for a wide range of applications

As this is microprocessor-controlled programming, nine separate programs can be stored at one time, and program selection is as easy as pressing a button. Eyelet buttonholes can be sewn in any shape desired.

<p>Eyelet buttonhole</p>	<p>Straight buttonhole</p>	<p>Eyelet buttonhole with taper bar</p>	<p>Straight buttonhole with taper bar</p>
<p>Standard bar tacking / Eyelet buttonhole with taper bar (-00, -01, -02, -03, -04, -52)</p> <p>Eyelet buttonholes with taper bars are ideal for jeans and work clothes. It can be used for sewing straight buttonholes also, which makes it suitable for knitted wear. Furthermore, the operator can select whether to have tapered bar tacking or not.</p>			

<p>Eyelet buttonhole with straight bar tacking</p>	<p>Straight buttonhole with straight bar tacking</p>
<p>Straight bar tacking (-12)</p> <p>This carries out straight bar tacking which is carried out at a later process, at the same time that eyelet buttonholes are being sewn. Because a lower thread winding function is included, the thread is sewn accurately at the sewing start.</p>	

<p>Eyelet buttonhole with round bar tacking</p>	<p>Straight buttonhole with round bar tacking</p>
<p>Round bar tacking set (Option -00, -01, -03, -04, -12)</p> <p>This carries out round bar tacking at the same time that eyelet buttonholes are being sewn.</p>	

Circular stitching

Circular stitching buttonhole set (Option -00, -01)

This is used for sewing buttonholes with circular stitching in belts and caps. Because it is attached to an eyelet buttonhole machine, the cutting and sewing operations are integrated, which makes working much more efficient. (2-5mm in diameter)

Accurate sewing finishes

- **Different thicknesses is also held firmly**

The left and right work clamps are driven by independent pneumatic cylinders, so that the material is held firmly even when it has different thicknesses.



- **Even seams give attractive sewing finishes**

Controlled motor operation ensures that the sewing finishes at the start and end of sewing are always even. And because an electrical controlled motor is used, the clutch mechanism could be abolished, thus making the machine run more quietly with no more clutch noise when it stops.



- **Simple selection of cutting either before and after sewing**

Cutting before or after can be selected easily by pushing button. Therefore sewing of a wide range of materials is possible regardless of material thickness.



Excellent ease of operation

- **The setting position can be changed to the front position**

This eliminates unnecessary machine operations and reduces cycle time, particularly when cutting after sewing. The workpiece is set closer to the operator, so that it becomes easier for the operator to set.



- **Easy adjustment using the operation panel**

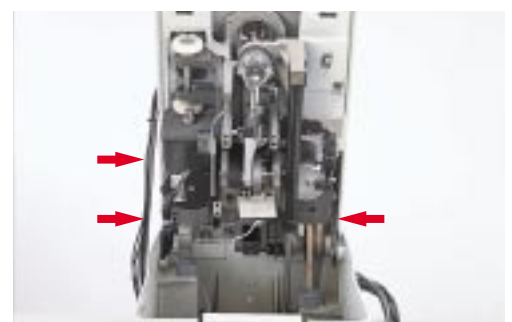
Adjustments such as cutting space and knife position compensation can all be made from the operation panel. Mechanical adjustment are no longer necessary.

Knife position compensation (-0.7 - 0.7 mm)



Easy maintenance

The adoption of a pulse motor means that the feed mechanism and needle bar rocking mechanism operate independently. The knife mechanism also operates independently through the use of a pneumatic cylinder.



Various functions for effective sewing

• Cycle sewing

Up to four cycle program with a maximum of nine steps can be programmed. This is ideal for when using separate buttonhole finishes on a single garment.

• Production counter

The numeric display window can be used as a four-digit production counter. It can be set to either count downward or upward.

• Self-diagnosis function

The status of the sewing machine is checked at all times while it is operating. If a problem occurs, an error message is displayed.

Error message



Devices and options

Fly indexer

This is an indexer which is specially for use when sewing flies. It allows from one to nine buttonholes to be set, and automatically feeds the material. Using this device makes the sewing of buttonholes for flies much quicker. (Standard equipment for -52)



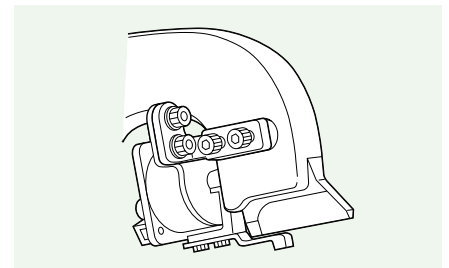
Upper thread nipper

This device prevents the thread from pulling out at the sewing start, thus contributing to a more accurate and higher-quality seam finish. (Standard equipment for -03 and -04)



Special lapel cutting device

The sensor detects lapel part, and eyelet buttonhole and lapel buttonhole can be sewn automatically without replacing hammer and knife. It is effective for men's jacket cycle sewing (eyelet buttonhole ↔ lapel buttonhole).



Hand switch

This switch can be operated by hand to raise and lower the cloth pressers and to start the sewing machine. It is particularly convenient for use during standing operation.



Waist band presser

When sewing eyelet buttonholes into waist belts with which have differences in thickness, this presser provides secure clamping for the different thickness. It prevents any slippage of the material during sewing so that accurate finishes can be obtained.

Upper gimp guide

This allows both a lower gimp and upper gimp to be sewing simultaneously, in order to give additional seam strength when sewing knitted wear.

Round bar tacking set

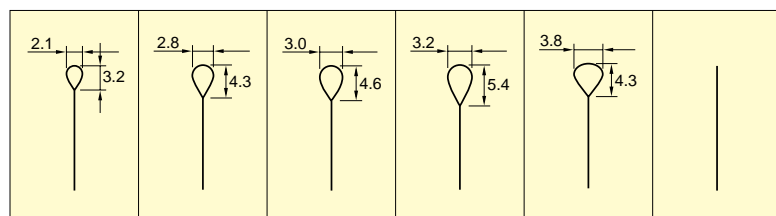
This carries out round bar tacking at the same time that eyelet buttonholes are being sewn.

Circular stitching buttonhole set

This is used for sewing buttonholes with circular stitching in belts and caps. Because it is attached to an eyelet buttonhole machine, the cutting and sewing operations are integrated, which makes working much more efficient. (2-5mm in diameter)

Knife

The knife length can be either 38 mm or 50 mm.



Upper thread trimmer

This device cuts the upper thread to a short length, so that thread picking is not necessary. (Standard equipment for all specifications)

Lower thread trimmer <Long type>

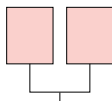
This device cuts the lower thread and gimp to long trailing lengths. Because it allows the thread ends to be held, it makes later processes (such as bar tacking) easier. (Standard equipment for -01 and -04)

Lower thread trimmer <Short type>

This devices cuts the lower thread and gimp to short trailing lengths. Because it eliminates the need for thread picking, it greatly improves work efficiency and increases productivity. (Standard equipment for -02, -12 and -52)

Specifications

RH-9800-



		Upper thread trimmer	Lower thread trimmer		Upper thread nipper	Fly indexer*4	Upper gimp guide	Circular stitching buttonhole set	Round bar tacking set	Special label cutting device
			Long type	Short type						
00		○	—	—	Option*2	—	Option*2	Option*3	Option	Option
01	Standard bar tacking / eyelet buttonhole with taper bar	○	○	—	Option*2	—	Option*2	Option*3	Option	Option
02		○	—	○*1	Option	Option (L1-L4)	—	—	—	—
03		○	—	—	○	—	—	—	Option	Option
04		○	○	—	○	—	—	—	Option	Option
12	Straight bar tacking	○	—	○*1	Option	—	—	—	Option	—
52	Eyelet buttonhole with taper bar (with fly indexer)	○	—	○*1	Option	○(L1-L4)	—	—	—	—

model	Double chain stitch	Button sewing	1-needle	Height of presser foot	Thread trimmer	Max. sewing speed	Air consumption
9800	★	★	DOx558 Nm80-120 (SHCMETZ 558)	16 mm (-00, -01 : 12mm)	★	2,200 rpm	43.2 l/min (8 cycle / min)

Stitch pitch	0.5-2.0 mm	Feed system	Pulse motor
Stitch width	1.5-3.2 mm	Motor	Electromagnetic clutch-type EC motor
Sewing length	10-50 mm (-00, -03)	Power source / voltage	1- Phase 110V, 200V, 220V, 230V, 240V
	10-38 mm (-01, -04)		3-phase 220V, 380V, 415V
	14-40 mm (-02, -12, -52)	Max. electric power consumption	1kVA
Taper bar length	3-43 mm or none	Starting method	Dual-pedal switch (presser foot switch and start switch) or single-pedal switch
Sewing pattern	Program selection		
Cutting timing selection	Switch selection	Start switch (standard)	Treadle switch
Machine dimensions	1,200Wx590Dx1,120H mm	Air pressure	0.5Mpa
Weight	175 kgf (Machine head 87kgf / Power table 55kgf / Control box 33kgf)		

*1 If using the lower thread trimmer (short type), please specify the sewing length when ordering.
There is 10 mm of difference in the knife installation positions between L1-L4 and L5-L7

	Sewing length	<When using with the round bar tacking set> Sewing length	Work clamp No.	Needle plate No.
L1	14-18 mm	16-19 mm	A	4
L2	18-22 mm	20-23 mm	B	5
L3	22-26 mm	24-27 mm	C	6
L4	26-30 mm	28-31 mm	D	7
L5	28-32 mm	30-33 mm	E	8
L6	32-36 mm	34-37 mm	F	9
L7	36-40 mm	38-41 mm	G	A

*2 The upper thread nipper cannot be used in conjunction with the upper gimp guide.

*3 Please specify the knife and the cloth presser when ordering.
Knife 2 mm, 3 mm, 4 mm, 5 mm, (diameter)
Cloth presser . . -11 mm, -13 mm, (circular stitching outer diameter)

*4 Fly indexer specifications

	Standard	Large size
Distance between buttonholes	38.1 mm (1 1/2 inch)	38.1mm (1 1/2 inch)
	44.45 mm (1 3/4 inch)	44.45mm (1 3/4 inch)
	50.8 mm (2 inch)	50.8mm (2 inch)
		57.15mm (2 1/4inch)
No. of buttonholes*5	3-4	3-6
Max. horizontal feed amount	152.4 mm	285.75 mm
	(2 inchx3)	(2 1/4 inchx5)

*5 If sewing a buttonhole using a non standard distance between buttonholes, you need to process additional holes in the cloth feed bar F assy (option). The number of buttonholes can be programmed up to 9 in that case.

Product specifications are subject to change for improvement without notice. Please read instruction manual before using the machine for safety operation.

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