

Electronic eyelet button holer

RH-981A

- Accurate and attractive buttonhole finishes
- Improved productivity through Max. Sewing speed 2,200rpm.
- Easy maintenance
- PD-9810 Programmer uses easy-to-use icon display (Optional product)



PD-9810



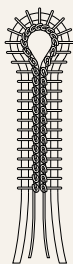
RH-981A

Easy-to-operate eyelet buttonholer provides excellent cost performance

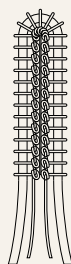
One machine can be used for a wide range of applications

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.

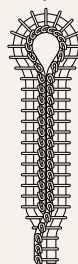
Eyelet buttonhole



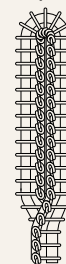
Straight buttonhole



Eyelet buttonhole with taper bar



Straight buttonhole with taper bar



Accurate sewing finishes

• 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.

Cutting before sewing

Cutting after sewing



Accurate sewing finishes

- **Different thickness is also held firmly**

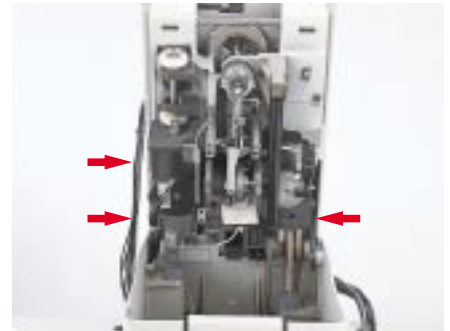
The left and right work clamps are driven by independent pneumatic cylinders, so that the material is held firmly even when it has different thickness.



Excellent ease of operation

- **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.



- **Easy changing of sewing patterns**

Sewing patterns and operating modes can be changed easily with little trouble using the operation panel, thus increasing efficiency. And a needle zigzag correction function is added, so that the needle zigzag width can be set at a touch using the operation panel.

In addition, the PD-9810 programmer that is sold separately can be used for even easier data entry using icon displays.

Stitch width compensation (-1.0 - 1.0 mm)



PD-9810 programmer



- **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.

In addition, the PD-9810 programmer that is sold separately can be used for even easier data entry using icon displays.

Cutting space (-0.3 - 0.5 mm)



PD-9810 programmer



Knife X position compensation (-0.5 - 0.5 mm)



PD-9810 programmer



Excellent ease of operation

• 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.

• 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.

• Cycle sewing

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

Cycle program



Options and devices

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)



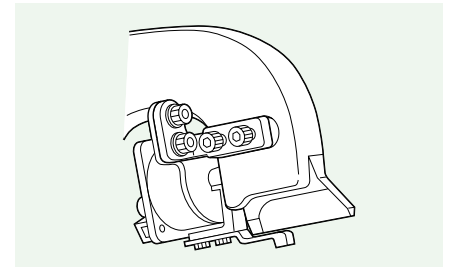
Upper thread nipper

This device prevents the thread from pulling out at the sewing start, thus contributing to a more accurate and higher-quality seam finish.



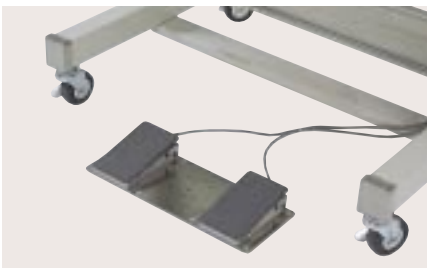
Special lapel cutting device

Eyelet buttonhole and straight buttonhole can be sewn automatically without replacing hammer and knife. It is effective for men's jacket cycle sewing (eyelet buttonhole-flower hole).



Treadle switch

This allows the cloth presser to raised and lowered and the sewing machine to be started by pedal operation.

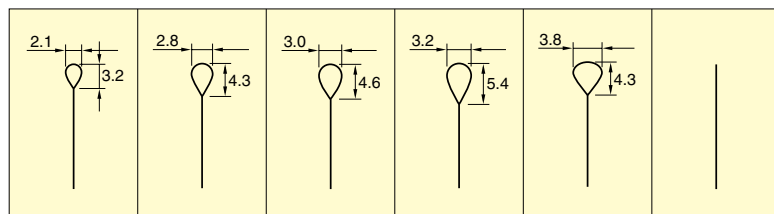


Waist band presser

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.

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)

Lower thread trimmer <short type>

This device 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 and -52)

Specifications

RH-981A-

		Upper thread trimmer	Lower thread trimmer		Fly indexer*2	Upper gimp guide	Special lapel cutting device
			Long type	Short type			
00	Standard bar tacking	○	—	—	—	Option	Option
01	/ eyelet buttonhole with taper bar	○	○	—	—	Option	Option
02		○	—	○*1	Option (L1-L4)	Option	—
52	Eyelet buttonhole with taper bar (with fly indexer)	○	—	○*1	○ (L1-L4)	Option	—

model	Double chain stitch	Button sewing	1-needle	Height of presser foot	Thread trimmer	Max. sewing speed	Air consumption
981A	★	★	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	Weight	163.5 kg (Machine head 87kg / Power table 55kg / Control box 21.5kg)
Stitch width	1.5-3.2 mm (When using stitch width compensation : 0.5-4.2 mm)	Table	Standing or sitting operation possible Adjustable between 670-835mm
Sewing length	5-50 mm (-00)	Feed system	3 axis (X, Y, θ) pulse motor drive system
	5-38 mm (-01)	Motor	Inverter-type induction motor
	14-40 mm (-02, -05)	Power source / Voltage	1-phase 110V, 220V, 230V, 240V 3-phase 220V, 380V, 400V, 415V
Taper bar length	0-20 mm	Max. electric power consumption	1kVA
Sewing pattern	Program selection	Starting method	Dual-pedal switch (presser foot switch and start switch) or single-pedal switch
Cutting timing selection	Switch selection	Start switch (standard)	Hand switch
Machine dimensions	1,200Wx590Dx1,120H mm	Air pressure	0.5 Mpa

*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	Work clamp No.	Needle plate No.
L1	14-18 mm	A	4
L2	18-22 mm	B	5
L3	22-26 mm	C	6
L4	26-30 mm	D	7
L5	28-32 mm	E	8
L6	32-36 mm	F	9
L7	36-40 mm	G	A

*2 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*3	3-4	3-6
Max. horizontal feed amount	152.4 mm (2 inchx3)	285.75 mm (2 1/4 inchx5)

*3 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.

Optional product

PD-9810 Programmer

The programmer shows all parameters as icons, so that sewing patterns can be created easily. A single programmer can be used to create programs for multiple sewing machines. It can be disconnected from one sewing machine and connected to another one, so that program data can be copied between machines.



The contents of a program can be checked at a glance.



The contents of setting of a cycle program are also displayed in detail.



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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BROTHER INDUSTRIES, LTD.

15-1, Naeshiro-cho, Mizuho-ku, Nagoya 467-8561, Japan.
Phone: 81-52-824-2177 Fax: 81-52-811-7789 <http://www.brother.com/>

ARCH SEWING
215.627.1768
www.archsewing.com