

RH-9820

Electronic eyelet button hole machine

- Fine stitches with high-precision stitch point
- Large arm space allows smooth material handling
- Easy-to-use operation panel
- Sewing speed 2,500 sti/min



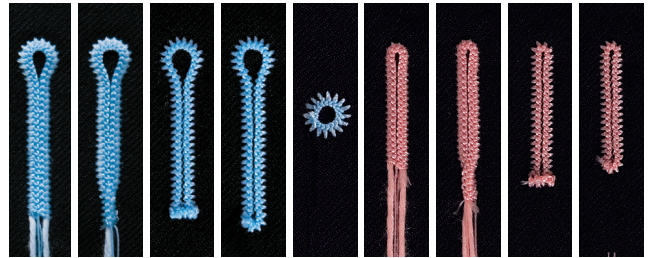
Fine stitches are available

Precision of stitch point has been improved

The highly-rigid feed mechanism with servo control, stitch point is very precise and feed drifting, which is specific to electronic sewing machines, does not occur even in high-speed sewing of weighty materials. The servo control also makes home position detection unnecessary.

Skipped stitches are reduced

The shape of the looper, the thread take-up amount and some other parts have been reviewed. Skipped stitches and insufficient thread tightening due to a change of thread tension are reduced, regardless of types of threads. The range of sewing capability has been enlarged.



Large arm space provides ease of operation

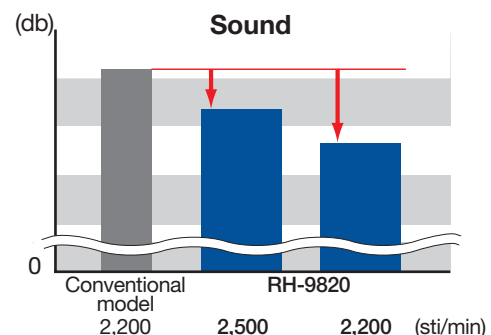
The arm space of 120 mm depth gives a sufficient space, to allow a smooth material setting. It is the most suitable for sewing of vertical buttonholes and hip packet parts. The arm shape provides a good view of the needle area, allowing operators to observe the sewing operation.



Sewing with less noise

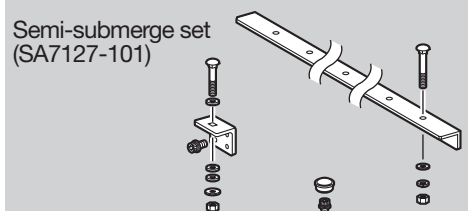
Quieter sewing even at higher sewing speed than the conventional model has been realized. The machine is made with a sound design gentle to ears, eliminating impact noise.

The vibration of the feed base which is transmitted to an operator is also reduced. The working environment with less operator fatigue can be materialized.



Semi-submerged installation is available

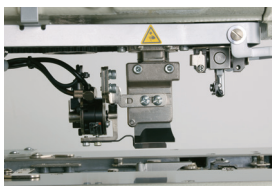
By using the optional parts for semi-submerged installation, favorable operation style can be selected.



Cut length changeover device

(SA9313-001)

The device can switch between two different culling lengths. (It is suitable for cycle sewing of eyelet buttonholes and a lapel buttonhole for men's jackets.)



Fly indexer (For -02 spec.)

(Standard size SA8079-201)

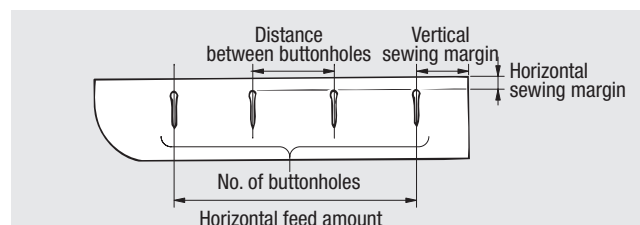
(Large size SA8080-201)

The number of buttonholes can be set and the fly can be fed automatically. This device provides speedy sewing of fly buttonholes.



	Standard size	Large size
Buttonhole spacing	38.1 mm, 50.8 mm, 44.45 mm	38.1 mm, 50.8 mm, 44.45 mm, 57.15 mm
No. of buttonholes	2-4	2-6
Vertical sewing margin	L1422, L1826, L2230: 8-23mm L2634, L3442: 0-11mm	
Horizontal sewing margin	31.5-41.5 mm	
Max. overall feed amount	152.4 mm	285.75 mm

When sewing with buttonhole spacing out of the given values, please modify the cloth feed bar F assembly (option) for use. The number of buttonholes 2 to 9 is possible.



Gauge parts set (For -02 spec.)^{*1}

	Sewing length	Part code
L1422	14-22 mm	SA7750-201
L1826	18-26 mm	SA7771-201
L2230	22-30 mm	SA7752-201
L2634	26-34 mm	SA7756-201
L3442	24-42 mm	SA7764-201

Replacement parts set (For -01, 02 spec)^{*1}

	Part code
-01 → -02	SA7773-001
-02 → -01	SA7784-101

Thread nipper device set

(SA7931-001)

It holds the upper thread end to prevent thread cast-off at sewing start and makes the thread end sewn into the stitches, providing a quality finish.



Thread breakage detector

(SA8077-001)

It detects upper thread breakage and then stops the sewing.



Waist belt presser

(For L26 spec. SA7777-001)

(For L30 spec. SA7781-001)

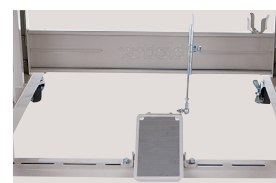
When sewing a waist-belt part having different thicknesses, these work clamps securely holds the article according to its thicknesses. Flopping of the cloth can be prevented.



Treadle unit^{*1} (SA6567-101)

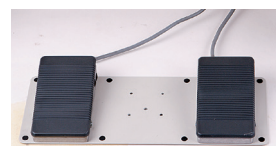
The operations of work clamp lowering and machine start can be made with a treadle. The speedy operation is suitable for buttonhole sewing of waist belt requiring high productivity.

Please use a treadle and a connecting rod on the market.



Two-pedal foot switch^{*2} (SA42838-301)

The operations of work clamp lowering and machine start can separately be made by foot-operated switching. It is suitable for buttonhole sewing of hip pockets requiring accurate material positioning.



Hand start switch^{*2} (SA7121-001)

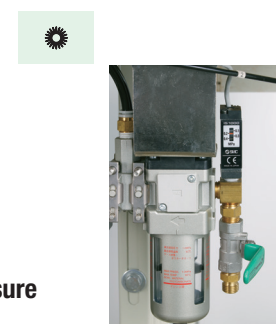
The operations of work clamp lowering and machine start can separately be made by hand-operated switching. It is useful for standing operation.



Exchange parts set (For circular stitching buttonhole)

(For -00 spec. SA7804-101)

(For -01 spec. SA7808-101)

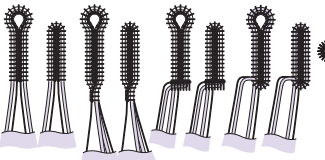
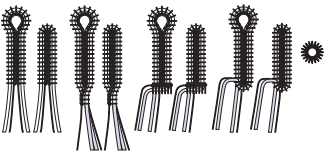
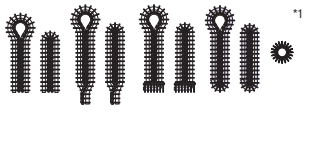


Air pressure detector (SA9527-001)

It detects a reduction of air pressure and then displays an error code.

^{*1} For details, please consult your place of purchase.

^{*2} The standard switch is different according to the destination.

Specifications		-00	-01	-02
				L2230
Thread trimmer	Upper thread trimmer	Long thread cut	Long thread cut	Short thread cut
	Lower thread trimmer	None	Long thread cut	Short thread cut
Main applications		Ladies' wear	Men's wear, casual wear	Jeans
Other applications		Men's wear, casual wear, jeans, trousers	Ladies' wear, jeans, trousers	
Features		Only the upper thread is cut by the thread trimmer. Buttonholes up to 50 mm long can be sewn.	All the threads are cut long by the thread trimmers. The long thread ends can be securely held in the subsequent process. It is suitable for cases that require accurate short end or manual trimming.	All the threads are cut short by the thread trimmers. This saves the trouble of manual trimming and reduces consumption of the thread.
Sewing shape				
Sewing length		Eyelet buttonhole : 8- 50 mm Straight buttonhole : 5- 50 mm	Eyelet buttonhole : 8- 42 mm Straight buttonhole : 5- 42 mm	22-30 mm L 1422 (14-22 mm) ^{*2} L 1826 (18-26 mm) ^{*2} L2634 (26-34 mm) ^{*2} L3442 (34-42 mm) ^{*2}
Length of work clamp (Standard)		30 mm		30 mm
Length of hammer (Standard)		22 mm		24 mm
Length of hammer (Accessory)		30 mm		28 mm
Sewing speed		1,000 - 2,500 sti/min		
Stitch pitch		0.5 - 2.0 mm		
Zigzag width		1.5 - 5.0 mm (Up to 4.0 mm in mechanical, up to 5.0 mm with zigzag width compensation)		
Zigzag width (Factory setting)		2.5 mm		3 mm
Taper bartack length		0 - 20 mm		
Height of work clamp		12 mm as standard (Available up to 16 mm)		16 mm
Starting method		Foot switch (Treadle type, Two-pedal type), Hand switch (Two-lever type)		
Feed mechanism		Intermittent feed by 3 pulse motors (X, Y, O)		
Needle		D0x558 Nm 80 - Nm120 (SCHMETZ)		
Needle (Factory setting)		D0x558 Nm100	D0x558 Nm90	D0x558 Nm110
Languages supported for operation panel		Japanese, English, Chinese, German, French, Spanish, Italian, Portuguese, Turkish, Indonesian, Vietnamese and Russian		
Safety equipment		Emergency stop function and built-in automatic stopping device activated by safety circuit in case of trouble		
Upper shaft motor		AC servo motor 550W		
Air pressure		Main regulator: 0.5 Mpa, Hammer pressure regulator: 0.4 MPa		
Air consumption		43.2 l/min . (8 cycles/min.)		
Weight		Machine head: Approx. 120 kg., Operation panel : Approx. 0.6 kg., Control box: 14.2-16.2 kg . (depending on the destination)		
Power supply		Single phase 100V/200V, 3-phase 200V/220V/ 380V/400V, 400V A		

*1 When sewing the circular stitch by -02 specifications, lower threads won't be cut.

*2 Change of the ranges L 1422-L3442 is available by replacing gauge parts. (For details, please consult your place of purchase.)

**RoHS
Compliant**

RH-9820 is compliant with the RoHS Directive (the restriction of the use of certain hazardous substances in electrical and electronic equipment) which came into effect in the EU in July 2006.



Brother has established voluntary environmental standards for products and created the "Brother Green Label". RH-9820 is certified as an environment-conscious sewing machine according to the "Brother Green Label" standard.

Please read instruction manual before using the machine for safety operation. -Product specifications are subject to change for improvement without notice. -Photographs are for illustration purpose. They may not represent actual operating conditions and may display optional parts.



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