

>>Convenient to Use Operation Panel



• The operation information such as machine setup, button hole shape and program data is displayed on the LCD screen. Besides, sewing data status and errors such as thread breaks can be checked from the panel, making the sewing work much more convenient.

Various types of buttonholes can be created with easy and simple key operation. Up to 99 patterns can be put in the memory. Selection of doing-button hole before sewing or after sewing is much easier.

The operation panel is not fixed to one position. It fits into the size of the palm so that you can hold the device on your hand during sewing.

Frequently used command keys such as cutter operation and presser foot up/down could be turned into graphic icons for easier operation.

Optional

Option	- 01	- 02
Upper Thread Nipper	○	○
Lapel Cutter	○	-
Fly Indexer	-	○
Foot Switch	○	○

>>Patterns

	Eyelet Button Hole				Straight Button Hole			
With Gimp	01 02		01 02		01 02		01 02	
	Standard		Taper Bar		Standard		Taper Bar	
Without Gimp	01 02		01 02		01 02		01 02	
	Standard		Taper Bar		Standard		Taper Bar	
Circular Hole Stitch								
Without Gimp	☆		01 02		01 02		01 02	
	Standard		Taper Bar		Standard		Taper Bar	

Note ) ☆ Registered in Option Patterns  
01 ⇒ Long Thread Trimmer  
02 ⇒ Short Thread Trimmer

SPS/B-BH6000

SPS / B - BH6000

Sunstar Pattern System

Series

Model Name

B

Direct Drive Type

Type

Thread Trimmer Type

01

Long

02

Short

Model		SPS/B-BH6000-01		SPS/B-BH6000-02	
Stitch	1-needle double chain stitch				
Application	Men's & Lady's wear		Jeans, Working Wear		
Sewing Speed	1,000 ~ 2,200 spm				
Burton Hole Sewing Area	Length	10~38 mm	14~40 mm		
			A	14~18 mm	
			B	18~22 mm	
			C (Standard)	22~26 mm	
			D	26~30 mm	
			E	28~32 mm	
	F	32~36 mm			
Width			G	36~40 mm	
Sewing Pitch	1.5~3.2 mm				
	0.5~2.0 mm				
Taper Bar Length	0~20 mm				
Needle	Schmetz 558(Do×558) Nm90(Nm80~Nm120)		Schmetz 558(Do×558) Nm110(Nm80~Nm120)		
Height of Presser Plate	12 mm		16 mm		
No. of Patterns	Max. 99 patterns				
Motor	Direct Drive Type AC Servo Motor : 1				
	Pulse Motor : 3				
Safety Device	Emergency stop function				
Pneumatic	0.5Mpa (5kgf/cm <sup>2</sup> )				
Power	1-phase 100V~240V, 3-phases 200V~440V, 50/60 Hz				

• The specifications and appearance of the product are subject to change without prior notice for performance improvement.  
Please read thoroughly the user's manual before using the product for safe and proper use.

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AGENT:

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Direct Drive, Electronically Controlled  
Chain Stitch Eyelet Button Hole Sewing Machine

SPS/B-BH 6000 Series





# SPS/B-BH6000 Series

SunStar Most Reliable Button Hole Mechanism

1. More powerful electronic control algorithm
2. Various patterns & simple to operate
3. Improved working environment
4. Maintenance Free

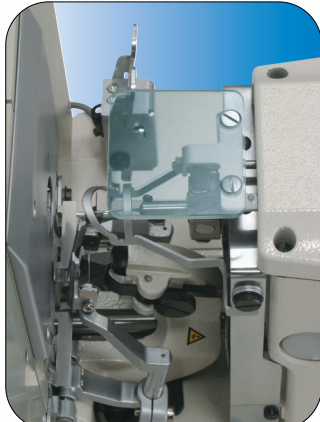
## >> Outstanding Productivity and High Product Quality

- With the max. sewing speed at 2,200 spm, this sewing machine delivers high productivity. All types of working motions were thoroughly analyzed and reflected for optimized machine operation. As a result, it could produce best quality sewing products, responding to all possible working conditions for eyelet button holes.
- Eyelet buttonholes can be made on different types of fabrics in a speedy and stable manner. Stable stitch types can be made.
- Having adopted the electronic control mechanism, which makes clutch devices and cam replacement unnecessary, it creates a variety of eyelet button holes. It stands out in making various types of button holes in small volume with elevated productivity.

## >> Stable Sewing with Beauty

- The needle bar rocking and the X-Y moving control system which are reflected of all of the SunStar control technologies can be accurately and smoothly controlled. They contribute to making stable and beautiful eyelet button holes.
- Right and left press plates are individually controlled by separate air cylinder, so that the sewing materials with uneven thickness could be tightly fixed, guaranteeing sewing stability and high quality.

## >> Safety and Convenience

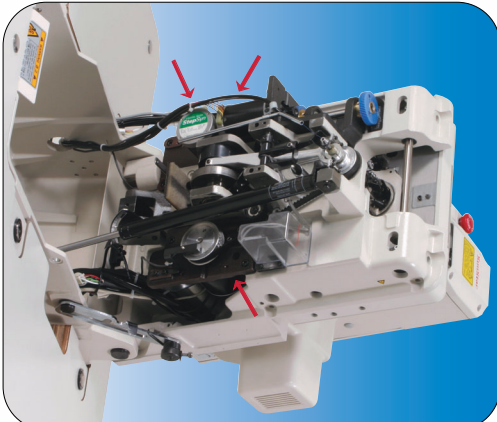


- The safety guard plate is configured to be turned on only in the middle of sewing. The function provides safety and convenience at the same time.

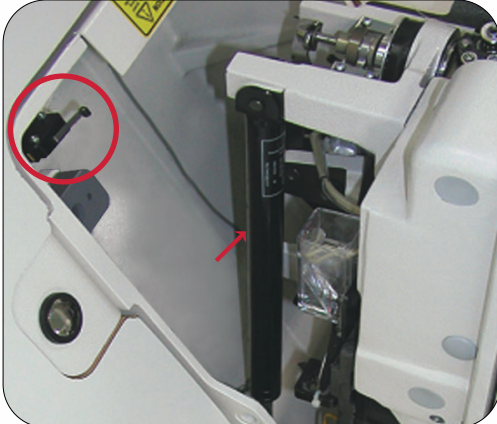


- The bed level is close to the sewing table top, boosting job safety. Maintenance is also simple with this machine. Due to the small distance between the table and the machine, it is easier to feed the sewing materials to the machine, and therefore work efficiency can be boosted.

## >> Silent Operation and Easy to Maintain



- Since mechanical clutches and cam replacement are unnecessary, noises caused by mechanical parts could be minimized. The X-Y transfer and thread bar structures are applied with electronic control methods. Consequently, it minimizes noises. The simplified mechanical structure ensures easier maintenance.



- The sewing machine is supported by gas spring, so that lifting it up or pulling it down takes no physical strength. When the machine is lifted, the sensor is automatically activated preventing accidental operation.



The application of direct drive system makes sure tremendous responsiveness and comfortable working environment.



- ① Having been applied with the SunStar direct drive system, the main body of the sewing machine is directly attached to the motor. Couplings are used to link the AC motor to the upper shaft, improving the machine's responsiveness and the ability to stop accurately. It provides optimal conditions to produce high-quality sewing products.
- ② With no need to use the V-belt, the direct drive method can dramatically reduce noises and vibration. It makes the working environment more pleasant and the workers feel less fatigue. In the end, this could lead to boosting productivity.
- ③ The machine is free from compressed load which is generated by V-belt. It lengthens the life span of the machine. Compared with the V-belt, less electricity is consumed since no electric power will be lost from V-belt spinning.
- ④ Since the sewing machine motor and the main body of the sewing machine are directly connected, there is no need to install and adjust motor and V-belt.