



SPS/D-BH3000

SPS

/D-

BH3000

Sunstar Pattern System

Series

D Direct Drive Type

Code

G

Usage

General Materials

K

Knitted Materials

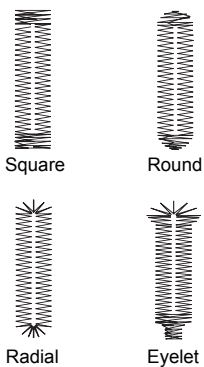
Model Name

Specification

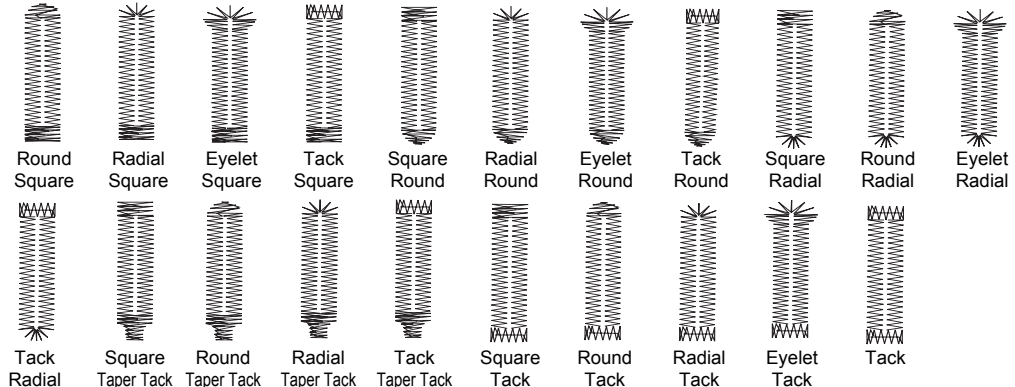
Model	SPS/D-BH3000G	SPS/D-BH3000K
Application	General materials (blouses, Y-shirts, work clothes and ladies)	Knitted materials (sweaters, cardigans, jerseys and underwear)
Sewing Speed	Max. 4,000spm	
Button Hole	Max. 6mm	
Sewing Area	Max. 40mm	
Cutter Length	6.4~31.8mm	
Needle	DPx5#14	DPx5#11
Hook	DP Hook(Full-Rotary Hook)	
Height of Presser Foot	Max. 13mm	
Safety Device	Emergency Stop Function	
Memory	EP -ROM	
No. of Patterns	Max. 99 Patterns (Standard 4 Patterns)	
No. of Stitches	768 Stitches / Pattern	
Main Motor	500W Direct Drive AC Servo Motor	
Feeding System	Feeding by Stepping Pulse Motor	
Power	1-Phase 100V~240V, 3-Phases 200V~440V, 50/60Hz	
Lubrication	Automatic Lubrication	

Pattern

Standard Pattern



Combination Pattern



* Specifications and appearance are subject to change for the improvement of products without prior notice.



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AGENT:

Direct Drive, Electronically Controlled
Lock Stitch Button Hole Sewing Machine

SPS/D-BH 3000 Series



SunStar®

SPS/D-BH3000 Series

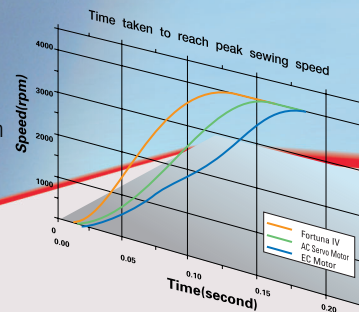
- The maximum sewing speed of 4,000 spm increases the productivity. And high quality can be achieved at the same time by the efficient motions developed by comprehensive and thorough researches/analysis to handle various shapes of button holes.
- Well-balanced seams can be achieved by using the standard machine capable of making button holes on knit materials with stability and speed.
- The speedy and precise operation of cutters employing a smart solenoid helps make up perfect button holes and increase productivity.
- Since the machines form a variety of button holes using an electronically controlled mechanism that does not need the replacement of clutches or cams, they are excellent at small-quantity production of multiple products and thus ensure high productivity.

Direct Drive



Equipped with 500W AC Servo Motor, the sewing machine can powerfully handle heavy materials.

Compared with competitors, more stable motor capability is offered (patent filing under way) Based on 3-D CAD & CAE interpretation, it produces less noises and low vibration. The sewing machine can make accurate stop, and its prompt and smooth responsiveness leads to productivity enhancement.

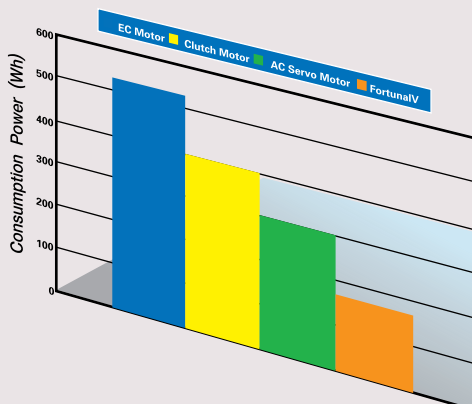


>> Advantages of Direct Motor System

- The noises from V-belt and the output power reduction are resolved, and the productivity is maximized by transferring the servo motor power to sewing machine.
- It is optimized for the high-quality sewing work, since the direct connection of the motor to the upper shaft enhances the responsiveness and accuracy in stop position of the sewing machine.

>> Energy Efficiency

SunStar's Direct Drive AC Servo Motor directly sends power to the upper shaft. This optimal design minimizes energy loss. Compared with existing AC Servo motors, it consumes much less energy.



>> User Interface

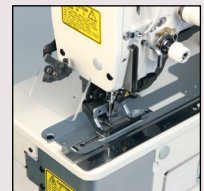
- Emergency Stop Switch

The emergency stop switch attached to the head enables immediate stop of the machine operation, when an accident occurs.



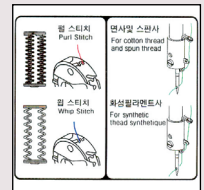
- Safety Plate

A transparent safety plate is installed on the head to enhance safety of sewing work while causing no convenience.



- Simple to Change Switch

Depending on the methods of placing the thread on the bobbin, it is easy to choose between purl stitch sewing and whip stitch sewing.



- Oil Window

The oil window on the sewing machine makes it easy to find out the oil resupply timing.

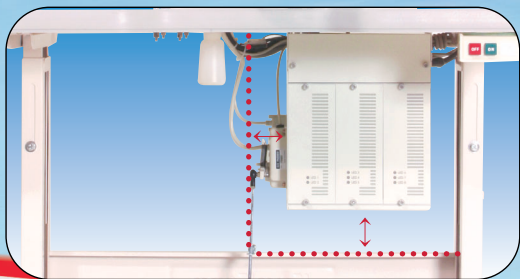




>> Control Box

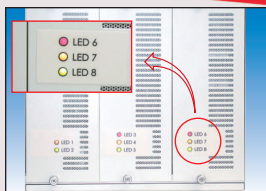
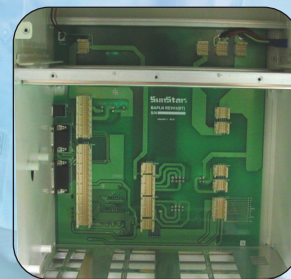
• Smaller and Lighter Control Box

It is 30% smaller and 50% lighter than the previous control box, so that the space under the sewing table is dramatically expanded.



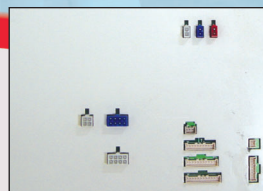
• Rack Type Design

With wireless rack-type structure, it is highly durable, reduces heat generation, and supports easy A/S service.



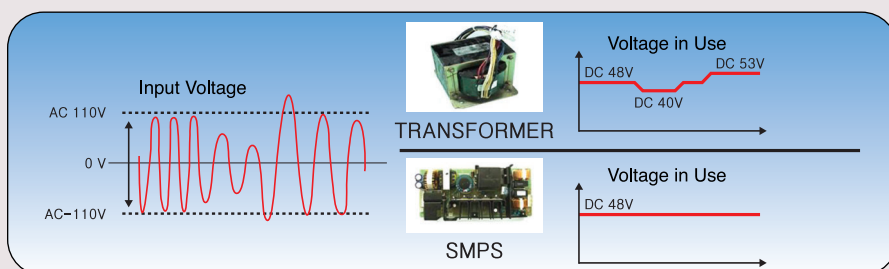
• Easy Breakdown Recognition

When machine errors occur, the LED lamp blinks to help users easily pinpoint and check problematic areas.



• Rack Type Design

With wireless rack-type structure, it is highly durable, reduces heat generation, and supports easy A/S service.



• Choice of Dedicated SMPS

SPMS is customized and optimized for the sewing machine. This has reduced heat generation in relation to voltage change and resolved the stop-motor mal-operation issue.

>> Operation Box



• Compact Design

It is designed in the user-friendly way, so even the first-time user of the machine can easily use the OP Box.

• Adjustment of Thread Tension

Thread tension for bartack and zigzag sewing can be easily changed with the simple panel operation.

• Maximized Stability

The stand of the most optimized size is applied so during sewing work, OP Box does not move.

• Double Sewing

Double sewing is possible with the simple operation, and produces more durable button hole shape.



• Adjustment of Clearness

Users can choose their desired clearness by adjusting the dial.