SPS / E(C/D) - B ■ 1202 - ■ (SBF-20)

SPS — SunStar pattern series

/ E(C/D) — Series

Series
E
D
C

– B ■ — Hook

-	C/D Series (Shuttle hook)
S	Shuttle hook
R	Rotary hook

1202 – ■ — Size of button

01	Small
02	Large
03	Small ~ Large

SBF-20 — Automatic button feeder

Specification

Model		SPS/E-BS1202			SPS/E-BR1202		
		SPS/E-BS1202-01	**SPS/E-BS1202-02**	**SPS/E-BS1202-03**	**SPS/E-BR1202-01**	**SPS/E-BR1202-02**	**SPS/E-BR1202-03**
Application		Small button	Large button	Small & Large button	Small button	Large button	Small & Large button
Max. sewing speed [spm]		2,700	2,700	2,700	2,700	2,700	2,700
Lift of the presser foot [mm]	Auto	13	13	13	13	13	13
Button size		ø8 ~ ø20	ø8 ~ ø32	ø8 ~ ø32	ø8 ~ ø20	ø8 ~ ø32	ø8 ~ ø32
Sewing area [mm]	X	6.5	6.5	6.5	6.5	6.5	6.5
	Y	6.5	6.5	6.5	6.5	6.5	6.5
No. of input patterns		99 (Standard 33)	99 (Standard 33)	99 (Standard 33)	99 (Standard 33)	99 (Standard 33)	99 (Standard 33)
No. of input stitches		10,000	10,000	10,000	10,000	10,000	10,000
Needle		DPx17 #14	DPx17 #14	DPx17 #14	DPx17 #14	DPx17 #14	DPx17 #14
Hook	Drive type	Shuttle	Shuttle	Shuttle	Rotary	Rotary	Rotary
	Position	Vertical	Vertical	Vertical	Vertical	Vertical	Vertical
	Capacity	- (Sub model : x2)	- (Sub model : x2)	- (Sub model : x2)	x2	x2	x2
Auto thread trimming		○	○	○	○	○	○
Feeding system		Pulse motor	Pulse motor	Pulse motor	Pulse motor	Pulse motor	Pulse motor
Motor		Servo motor (Direct)	Servo motor (Direct)	Servo motor (Direct)	Servo motor (Direct)	Servo motor (Direct)	Servo motor (Direct)

Model		SPS/D-B1202			SPS/C-B1202		
		SPS/D-B1202-01	**SPS/D-B1202-02**	**SPS/D-B1202-03**	**SPS/C-B1202-01**	**SPS/C-B1202-02**	**SPS/C-B1202-03**
Application		Small button	Large button	Small & Large button	Small button	Large button	Small & Large button
Max. sewing speed [spm]		2,500	2,500	2,500	2,500	2,500	2,500
Lift of the presser foot [mm]	Auto	13	13	13	13	13	13
Needle bar stroke [mm]		45.7	45.7	45.7	45.7	45.7	45.7
Button size		ø8 ~ ø20	ø8 ~ ø32	ø8 ~ ø32	ø8 ~ ø20	ø8 ~ ø32	ø8 ~ ø32
Sewing area [mm]	X	6.5	6.5	6.5	6.5	6.5	6.5
	Y	6.5	6.5	6.5	6.5	6.5	6.5
No. of input patterns		99 (Standard 33)	99 (Standard 33)	99 (Standard 33)	99 (Standard 33)	99 (Standard 33)	99 (Standard 33)
No. of input stitches		10,000	10,000	10,000	10,000	10,000	10,000
Needle		DPx17 #14	DPx17 #14	DPx17 #14	DPx17 #14	DPx17 #14	DPx17 #14
Hook	Drive type	Shuttle	Shuttle	Shuttle	Shuttle	Shuttle	Shuttle
	Position	Vertical	Vertical	Vertical	Vertical	Vertical	Vertical
	Capacity	- (Sub model : x2)	- (Sub model : x2)	- (Sub model : x2)	- (Sub model : x2)	- (Sub model : x2)	- (Sub model : x2)
Lubrication		Semi-auto	Semi-auto	Semi-auto	Semi-auto	Semi-auto	Semi-auto
Thread roll		○	○	○	○	○	○
Auto thread trimming		○	○	○	○	○	○
Feeding system		Pulse motor	Pulse motor	Pulse motor	Pulse motor	Pulse motor	Pulse motor
Motor		Servo motor (Direct)	Servo motor (Direct)	Servo motor (Direct)	Servo motor	Servo motor	Servo motor

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

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BUTTON SERIES

SPS/E-BS(R)1202 SERIES
SPS/C(D)-B1202 SERIES
SBF-20

Electronically controlled, button sewing machine with automatic button feeder

SunStar

BUTTON SERIES

Electronically controlled, button sewing machine with automatic button feeder

FEATURES

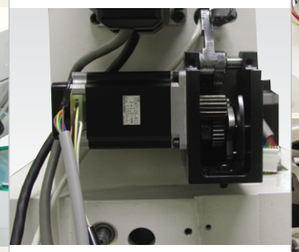
01



Improved lubrication system-semi-dry
(E-Series)

A hermetically sealed oil tanks helps a lubrication to hook.

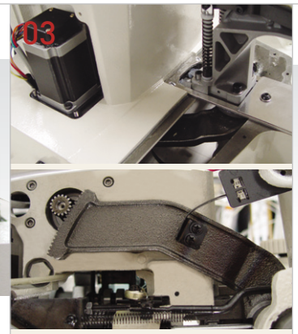
02



Upgraded presser foot system
(E-Series)

The motor adopts step control movement.

03



Accurate sewing
(E-Series)

Controlling stitch movement by a micro unit(0.05mm), you get a accurate sewing results and the best quality.

04



Operation box

- Various functions can be used by pressing icons, and the setting can be done with one-touch operation. As such, even the first-time users can easily operate the machine.
- Up to 26 patterns can be registered in the memory. There are two function keys, which can combine up to 30 registered patterns. This function enables fast operation.

05



Control box

- By lightening the control box, the working space under the table has been expanded.
- As a seamless rack type, fewer breakdowns occur, and maintenance becomes easier.

06

SBF-20 (Automatic button feeder)

S B F - 20
Advanced sewing type

Specification

Supply & Sorting of buttons	By vibrator
Button feed mode	Automatic / Semi-automatic / Manual
Button size control	By a sample button
Button supply mode	Horizontal feeding system
Compressed air	0.49MPa (5.0kgf/㎠)



Fast embroidering

The button's length and height can be adjusted simultaneously depending on button shapes. It has the most optimized structure in the world for the sewing work requiring frequent button change. The conveyer belt-type button feed device has been adopted to enhance convenience in button changes and completely eliminate restrictions of button size for using different sizes of buttons.

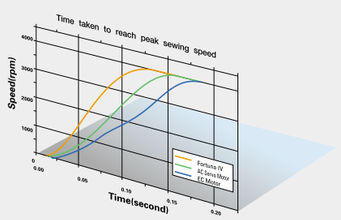
Button sorting device

The 3-layer button sorting device is installed on the button container. In any circumstances, buttons can be sorted out.

DIRECT DRIVE

Equipped with 550W 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.





SSP 5.0

Input sewing pattern design using of PC



Download method
1. RS-232C serial download
2. USB

User PC

It is convenient for creating pattern design using of PC



Features

- Convenient data management
- Support of dedicated pattern creation tool
- Created data check
- Convenient data creation and editing
- Simple embroidery design punching
- 3D view for actual sewing result
- Support of various external data formats (DST, DSB, DXF, BMP, JPG)

- **Applicable Machine**

Pattern / Bartack / Zigzag / Pocket Setter / Belt Looper / Cap Visor

PATTERN LIST

Pattern No.	Pattern	No. of threads	Sewing area X (mm)	Sewing area Y (mm)
1		6-6	3.4	3.4
2		8-8	3.4	3.4
3		10-10	3.4	3.4
4		12-12	3.4	3.4
5*		6-6	3.4	3.4
6*		8-8	3.4	3.4
7*		10-10	3.4	3.4
8*		12-12	3.4	3.4
9		6-6	3.4	3.4
10		8-8	3.4	3.4
11		10-10	3.4	3.4
12		6-6	3.4	3.4
13		8-8	3.4	3.4
14		10-10	3.4	3.4
15*		6-6	3.4	3.4
16*		8-8	3.4	3.4
17*		10-10	3.4	3.4
18		6-6	3.4	3.4
19		8-8	3.4	3.4
20		10-10	3.4	3.4
21		12-12	3.4	3.4
22		6-6	3.4	3.4
23		8-8	3.4	3.4
24		10-10	3.4	3.4
25		12-12	3.4	3.4
26		6-6	3.4	3.4
27		8-8	3.4	3.4
28		10-10	3.4	3.4
29		6-6	3.4	3.4
30		8-8	3.4	3.4
31		10-10	3.4	3.4
32		6-6	3.4	3.4
33		8-8	3.4	3.4
		10-10	3.4	3.4

NOTE

1. Standard sewing lengths (X and Y) given above are given assuming that scale is 100%
2. In case of the pattern of "★" mark of sewing pattern No., a thread is trimmed after finish of first sewing to remove a line through sewing patterns.
   In case of SPS/B(A)-B1202-01 and 02, press the pedal once more after finish of first sewing, or continuously press and release the pedal until second sewing begins.
   In case of SPS/B(A)-1202-03, just one time pressing of the pedal will do.