

BUTTONHOLING MACHINE

LBHS

-

179 □

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機種別
Model

高速電子平頭鎖眼機
Computer-controlled,
High-speed, Lockstitch
Buttonholing Machine

壓腳規格
Work clamp foot

0	5mm X 35mm 標準 / Standard
2	5mm X 35mm 針織布專用 / For Knit
5	5mm X 120mm 加長型 / Long type

適用布料
Sewing Material

S	標準規格 Extra small, Standard
K	針織布規格 For Knit



優越的性能

循環縫製 · 連續縫製

- 循環縫製
可以登錄20種的程式，每個程式最大可以儲存15個花樣。
- 連續縫製
多個花樣可以在不抬起壓腳的情況下連續進行縫製。能夠登錄20種程式，每個程式可以最大儲存6個花樣。
(必須交換選購件的零件)

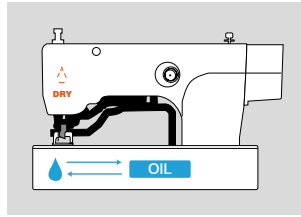
Excellent Performance

Cycle sewing · Continuous sewing

- Cycle Sewing
20 different programs can be registered, and as many as 15 different patterns can be stored in one program.
- Continuous Sewing
The machine is able to continuously sew many different patterns without requiring the work clamp foot to be lifted. As many as 20 programs can be registered, and 6 different patterns can be stored in one program. (Related parts need to be exchanged for optional ones.)

高速，乾淨

- 最快縫製速度4,200sti/min · 一般速度3,600sti/min
- 通過先進的無油技術 · 除旋梭部分以外實現無供油 · 消除因為油對產品產生的污染



High Speed and Clean

- Max. 4,200sti/min, Normal 3,600sti/minsubstantially decreased.
- Advanced dry-head technology, no lubrication is required except for the hook section. This eliminates oil stains on the sewing product.

所有的驅動裝置實現電子控制

- 送布、送針、上切線、下切線、切布刀、壓腳抬升裝置等全部實現電子化控制
- 所有的調整數值數位化 · 通過操作面板可以進行設定儲存

All drive mechanism is electronically

- An electronic control feature has been adopted for the material feed mechanism, needle rocking mechanism, needle thread trimming mechanism, bobbin thread trimming mechanism, cloth cutting knife mechanism and presser bar lifting mechanism.,
- All adjustment values are entered as data. They can be set or stored in the memory on the operation panel.

多種踏板功能

- 標準配置了脈衝馬達式自動抬壓腳裝置 · 減輕操作工的疲勞 · 1次踏板 / 2次踏板的切換 · 方便定位可以中途停止
- 壓腳抬升高度可以任意設定 · 帶有逆回轉針功能 · 壓腳最大可以抬升17mm

Many functions of the pedal

- The machine is provided as standard with auto-lifter driven by a stepping motor. This helps reduce the operator's fatigue. As for the pedal, 1-pedal and 2-pedal modes can both be changed over and the intermediate stop, which facilitates positioning of the sewing product, can be specified.
- The work clamp foot lift can be set as desired. The reverse-rotation needle-up function offers a maximum work clamp foot lift of 17mm.

多種踏板功能

EXPLANATION OF PEDAL MOTION

踏板動作 Pedal motion	踏板樣式 Pedal type		
	2踏板 2-pedal	1踏板(中間位置無) 1-pedal (without intermediate position)	1踏板(中間位置有) 1-pedal (with intermediate position)
初期位置 Initial position	②中間位置 ②Intermediate position	①最高位置 ①Maximum position	①最高位置 ①Maximum position
縫製品設置 Setting of sewing product	根據左踏板踏入量壓腳抬升、左踏板歸位下降 →③縫製位置 Presser goes up as high as pedal toe to down amount of the left side pedal. Presser comes down when the left side pedal is depressed. →③Sewing position	右踏板1段 →③縫製位置 The first step of the right side pedal →③Sewing position	右踏板1段 →②中間位置 ↓ 右踏板2段 →③縫製位置 The first step of the right side pedal →③Intermediate position ↓ The second step of the right side pedal →③Sewing position
縫製開始 Start of sewing	右踏板踏入 The right side pedal is depressed	右踏板2段 The second step of the right side pedal	右踏板3段 The third step of the right side pedal
縫製結束 End of sewing	②到中間位置為止 壓腳抬升 ②Presser automatically goes up to intermediate position	①最高位置為止 壓腳抬升 ①Presser automatically goes up to maximum position	①最高位置為止 壓腳抬升 ①Presser automatically goes up to maximum position
壓腳位置 Work clamp position			



簡單切換縫製的設定

Sewing settings can be easily changed



(三角縫與平縫的切換，必須要變更梭殼的穿線及底線的張力。)

(For a changeover between purl stitch and whip stitch, threading of bobbin, as well as the bobbin thread tension need to be changed.)



二重縫在套結部分是交叉的，因為在平行部分也能進行二重縫，所以套結部分的線跡會變得柔軟。

循環一周和循環兩周的縫製幅度可以進行調整
(need to be changed.)

•For double stitching, the bartacking section is skipped and only the parallel

sections are sewn twice. This prevents any excessively tight finishes in the bartacking section of the buttonhole.

•First- and second-round stitches can be sewn using different stitch widths.

選配

OPTIONS

切刀寬幅 Knife size	切布切刀 Cloth cutting knife		切布刀·壓腳 Cloth cutting knife, Work clamp				壓腳 Work clamp foot				
	擺幅5mm用 For stitch width 5mm		擺幅6mm用 For stitch width 6mm								
LBHS-1790S (標準) (standard)		LBHS-1792K (針織用) (for knits)		LBHS-1795A (標準) (standard)		LBHS-1790S (標準) (standard)					
型號 Part No.	Mark	型號 (切刀長度) (類型) (A×B) Part No. (Length of cloth cutting knife) <Type>(A×B)				編號 (類型) Part No. <Type>	1790 S	1792 K	編號 Part No.	1790 S	
6.4mm (1/4")	BL724AJK	A	P570CJK (6.4~19.1mm) <1> (4×25mm)	P576JK (6.4~19.1mm) <1> (4×25mm)	P575AJK (5×120mm)	P573JK (6.4~31.8mm) <3> (6×41mm)	P570CJK-A <1>	◎	P574JK	◎	
9.5mm (3/8")	BL724BJK	△									B
11.1mm (7/16")	BL724CJK										C
12.7mm (1/2")	BL724DJK	◎									D
14.3mm (9/16")	BL724EJK										E
15.9mm (5/8")	BL724FJK	△									F
17.5mm (11/16")	BL724GJK										G
19.1mm (3/4")	BL724HJK										H
22.2mm (7/8")	BL724IJK		I	◎	P572JK (6.4~25.4mm) <2> (5×35mm)	P572JK-A <2>	◎				
25.4mm (1")	BL724JJK	△	J								
31.8mm (1-1/4")	BL724KJK		K	P574CJK (6.4~31.8mm) <3> (5×41mm)	P577JK (6.4~31.8mm) <3> (5×41mm)						

針板

THROAT PLATE

擺幅 For needle throwing width				
	標準 (S) Standard (S)		針織用 (選購) For Knits (K)	
5mm	E201AJK (S5: 1.4×6.2mm)	◎	E201BJK (1.2×6.2mm)	
6mm	E202AJK (S6: 1.4×7.4mm)		E202BJK (1.2×7.4mm)	◎

名稱 Designation	型號 Part No.	品名 Description
長壓腳 (最大 120mm 車縫長度) Work clamp (For sewing length of 70 mm, 120mm)	P574JK	Work clamp foot 120 (asm.)
	P575AJK	Work clamp 120
	BF750JK	Work clamp arm 120
	BF749JK	Cloth feeding plate 120
	BF747JK	Close cam 120
	BF748	Lifting plate 120
	SM539 (2 pcs.)	Screws
	P567JK-2 (2 pcs.)	Screws

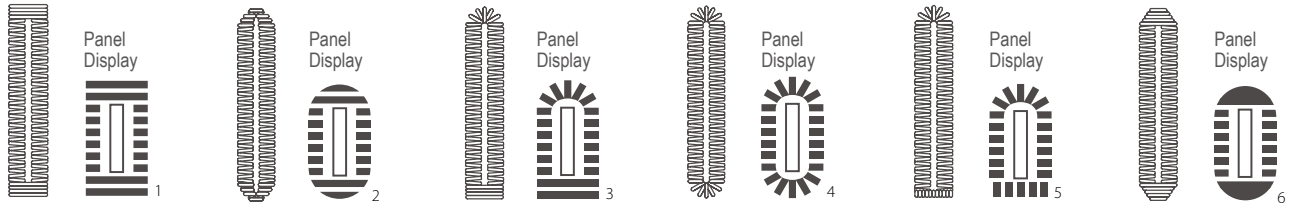
規格

SPECIFICATIONS

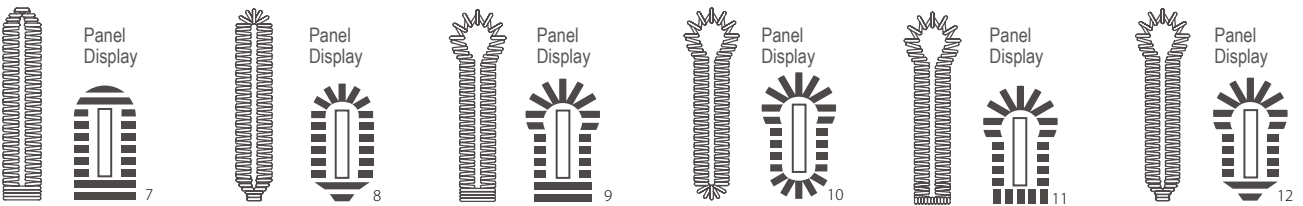
縫製速度 Sewing speed	Max. 4,200sti/min, Normal 3,600sti/min
針杆行程 Needle bar stroke	34.6mm
切布刀尺寸 Size of cloth cutting knife	6.4 ~ 31.8mm (1/4" ~ 1-1/4")
套結寬幅 Bartacking width	Max. 5.0mm
鎖眼長度 Buttonhole length	最大41mm (選購件: 120mm) Max. 41mm (optional: 120mm) LBHS-1795: 120mm
針振動分解能 Precision of needle throwing mechanism	0.05mm
面線張力 Needle thread tension	電子夾線器 (電子線張力調整器) Active tension (electronic thread tension control system)
針數 Number of stitches	鎖眼尺寸 · 根據縫製自動計算 Automatically computed from the size of the buttonhole and stitch pitch
使用機針 Needle	DP×5 (#11J) #11J ~ #14J
使用旋梭 Hook	DP類型全回轉旋梭 DP type, full-rotary hook
壓腳抬升量 Lift of the work clamp	14mm (逆轉針上升時17mm) (17mm by the reverse-rotation needle-up function)
自動抬壓腳 Auto-lifter	標準裝備 (脈衝馬達式) Provided as standard (stepping motor type)
針擺動驅動方式 Needle throwing system	脈衝馬達驅動 Stepping motor
送布驅動方式 Cloth feeding system	脈衝馬達間隔送布 Intermittent feed by stepping motor
切布刀驅動方式 Cloth cutting knife system	雙向電磁鐵 By double-acting solenoid
標準花樣數 Number of standard patterns	30 patterns
可儲存花樣數 Number of patterns that can be input	Max. 99 patterns
底線捲線裝置 Bobbin thread winder	機頭內建式 Built-in the machine head
頭部驅動裝置 Machine head drive system	小型AC伺服馬達 (直接驅動方式) Compact AC servomotor (direct-drive system)
電源/耗電量 Power requirement/ Power consumption	單相220V, 230V, 240V, 三相200 ~ 240V/ 600VA Single-phase 220V, 230V, 240V · 3-phase 200 ~ 240V/600VA
供油方式 Lubrication	僅旋梭部微量供油 Only the hook section needs a minute-quantity lubrication.
使用油 Lubricating oil	旋梭部: New Defrix Oil No.1 (ISO VG7相當) Hook: New Defrix Oil No.1 (equivalent to ISO VG7)
重量 Total weight	112kg

STANDARD SEWING PATTERN LIST

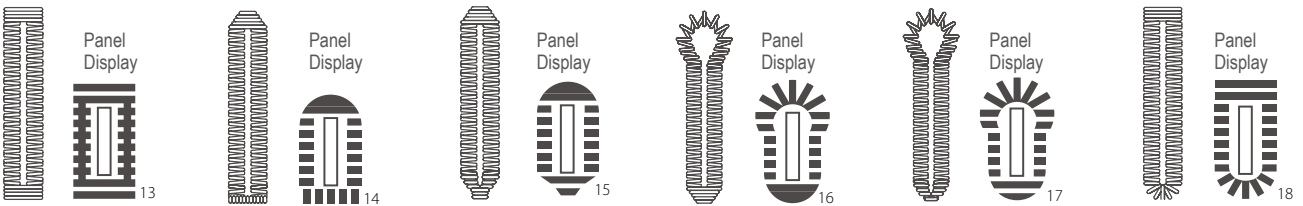
- 1** 角型
Square Type
- 2** 圓型
Round Type
- 3** 輻射角型
Radial Square Type
- 4** 輻射型
Radial Type
- 5** 輻射直線加固型
Radial Straight Bar-tacking Type
- 6** 半月型
Semilunar Type



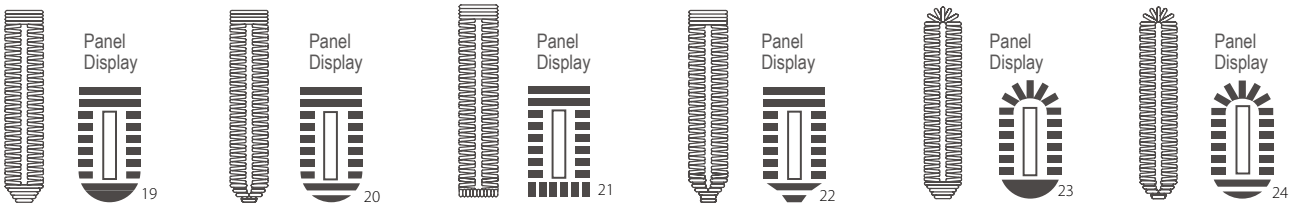
- 7** 圓角型
Round Square Type
- 8** 輻射流動加固型
Radial Taper Bar-tacking Type
- 9** 圓頭釘眼角型
Eyelet Square Type
- 10** 圓頭釘眼輻射型
Eyelet Radial Type
- 11** 圓頭釘眼直線加固型
Eyelet Straight Bar-tacking Type
- 12** 圓頭釘眼流動加固型
Eyelet Taper Bar-tacking Type



- 13** 直線角型
Square Straight Type
- 14** 半月直線加固型
Semilunar Straight Bar-tacking Type
- 15** 半月流動加固型
Semilunar Taper Bar-tacking Type
- 16** 圓頭釘眼半月型
Eyelet Semilunar Type
- 17** 圓頭釘眼圓型
Eyelet Round Type
- 18** 角輻射型
Square Radial Type



- 19** 角半月型
Square Semilunar Type
- 20** 角圓型
Square Round Type
- 21** 角直線加固型
Square Straight Bar-tacking Type
- 22** 角流動加固型
Square Taper Bar-tacking Type
- 23** 輻射半月型
Radial Semilunar Type
- 24** 輻射圓型
Radial Round Type



- 25** 半月輻射型
Semilunar Radial Type
- 26** 半月圓型
Semilunar Round Type
- 27** 加固縫
Bar-tacking
- 28** 加固右切斷
Bar-tacking, Right Cut
- 29** 加固左切斷
Bar-tacking, Left Cut
- 30** 加固中央切斷
Bar-tacking, Center Cut

