

# MEB-3810 Series

Computer-controlled, Eyelet Buttonholing Machine (for jeans and cotton pants)

The machine is a newly developed highly-durable eyelet buttonholing machine for jeans/cotton pants.

Machine time  
is substantially  
reduced !!

MEB-3810J-01A-A1

The machine achieves a maximum sewing speed as high as 2,500 sti/min and is provided with a cloth cutting knife which operates at an increased speed, thereby promising increased productivity.

# MEB-3810

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The machine achieves not only a maximum sewing speed as high as 2,500 sti/min, but also reduced vibration and noise. The machine is a newly developed highly-durable simple-design eyelet buttonholing machine for jeans/cotton pants.

## Increased productivity

### Machine time is substantially reduced

The MEB-3810 reduces the machine time by approximately 22%\* due to its maximum sewing speed of 2,500 sti/min and its speed-up cloth cutting knife, thereby demonstrating increased productivity.

Then newly adopted direct-driven main shaft by means of a compact AC servomotor not only achieves enhanced responsiveness, but also achieves both reduced noise and reduced vibration. In addition, the machine has adopted an air-driven cloth cutting knife which promises excellent responsiveness and operates faster than the conventional knife.

\*Condition: Number of stitches: 21 for the straight section (one side), 11 for the eyelet section; knife length: 22 mm



MEB-3810J-01A-A1/MC-621ES/JTE01

## Improved workability and operability

### Improved visibility around the needle entry

Projection of the arm frame of the machine head has been reduced. In addition, the cloth cutting knife is located closer to the operator side as compared with the conventional model. Visibility, when placing the material on the sewing machine, is improved, thereby contributing to improved workability. In addition, the thread clamp mechanism of the needle thread clamp (optional) has been improved for better visibility.



Photo: Provided with the needle thread clamp (optional)

### Ease of placement of the material on the machine is increased

The surface onto which the material is placed is flattened (for the machine with an overall thread trimmer). The material can, therefore, be placed on the machine with ease to improve workability.



### The machine is provided as standard with an LED light

An LED light is provided as standard on the underside of the jaw of the machine head. The area around the needle entry is thus brightened to improve workability.



### Achievement of lower vibration and lower noise

Adoption of a direct-driven main shaft and a revamping of the curve sections of the thread take-up cam and looper cam contribute to remarkably reduced vibration and noise. Vibration has been reduced by 7.7dB\* and noise has been reduced by 1.5dB\* as compared with the conventional model to produce this operator-friendly machine.

\*Condition: Measured at the maximum sewing speed (MEB-3810: 2,500 sti/min; conventional MEB-3200: 2,200 sti/min)

### Retractable bottom cover

A retractable bottom cover is adopted. Daily maintenance (threading, adjustment of the looper thread, cleaning, etc.) can be carried out without raising the machine head.



## Quality improvement

### JUKI's unique active tension

For the needle thread tension control, JUKI's unique active tension mechanism is adopted to electronically control the needle thread tension during the stitching cycle. As a result, improved seam quality is achieved. In addition, the sewing capabilities have been improved to prevent stitch skipping, as well as to produce well-tensed seams.



### Two different thread trimmers are prepared, i.e., the overall thread trimmer and the needle thread trimmer

Two different thread trimmers are prepared. One of them can be selected according to the customer's needs.

The overall thread trimmer has been newly designed putting importance on productivity. It promises thread trimming without fail and trims the thread in a short time. The operator is no longer required to carry out fine adjustments of the thread trimmer when changing the sewing length.

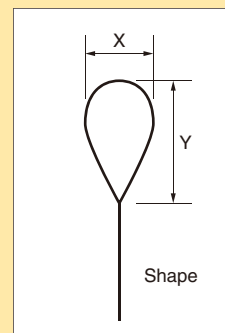
A sewing machine with a needle thread trimmer has been newly added to the MEB Series in response to customer needs.

## LIST OF THE REPLACEMENT GAUGES

◎ : Provided as standard No symbol : Optional △ : Accessory - : Installation is invalid

Throat plate							
Part name	Part No.	Application				Overedging width	Needle size
		J00	J01	C00	C01		
A00 (for narrow stitch bite)	40115403	-	-	-	-	2.0~3.2mm	Nm90~Nm110
B00 (for wide stitch bite)	40115405	◎	-	◎	-	2.0~4.0mm	Nm90~Nm110
A01 (for narrow stitch bite)	40115404	-	-	-	-	2.0~3.2mm	Nm90~Nm110
B01 (for wide stitch bite)	40115406	-	◎	-	◎	2.0~4.0mm	Nm90~Nm110

Work clamp (for eyelet buttonhole)						
Part name	Part No.	Application	Application			
			J00	J01	C00	C01
Work clamp (left)	22mm 14059802					
Work clamp (right)	22mm 14059703					
Work clamp (left)	32mm 14059604					
Work clamp (right)	32mm 14059605					
Edging work clamp (left)	22mm 40039844					
Edging work clamp (right)	22mm 40039843					
Edging work clamp (left)	32mm 40035239					
Edging work clamp (right)	32mm 40035238					
Edging work clamp (left)	34mm 40115241		◎			
Edging work clamp (right)	34mm 40115240		◎			
Edging work clamp (left)	38mm 40115239	◎	-			
Edging work clamp (right)	38mm 40115238	◎	-			
Compensating work clamp (left)	34mm 40115325				◎	
Compensating work clamp (right)	34mm 40115324				◎	
Compensating work clamp (left)	38mm 40115309			◎		
Compensating work clamp (right)	38mm 40115316			◎		



Cloth cutting knife (for eyelet buttonhole)							
Part No.	Pattern (mm)		Max. cutting length (mm)	Application			
	X	Y		J00	J01	C00	C01
40115664	2.8	4.3	28	◎	◎	◎	◎
40115665	2.8	4.3	38				
32063604 *1	2.9	4.4	24				
32063703 *1	2.9	4.4	32				
32063802 *1	2.1	3.2	38				
32063901 *1	2.1	3.2	24				
32064008 *1	2.1	3.2	32				
32064107 *1	3.2	5.4	38				
32064206 *1	3.2	5.4	24				
32064305 *1	3.2	5.4	32				
32066904 *1	2.7	5.1	38				

Cloth cutting knife (for straight buttonhole)							
Part No.	Pattern (mm)		Max. cutting length (mm)	Application			
	X	Y		J00	J01	C00	C01
14041404 *1	0	0	38				
32065302 *1	0	0	24				
32065401 *1	0	0	32				

Knife guard (for eyelet buttonhole)					
Size (mm)	Part No.	Application			
		J00	J01	C00	C01
38	40115670				
26	40115669	△	△		
22	40115668			△	△
20	40115667	◎	◎		
16	40115666			◎	◎
38	32067209 *2				
36	32067308 *2				
34	32067407 *2				
32	32067506 *2				
30	32067605 *2				
28	32067704 *2				
26	32067803 *2				
24	32067902 *2				
22	32068009 *2				
20	32068108 *2				
18	32068207 *2				
16	32068306 *2				
14	32068405 *2				
12	32068504 *2				
10	32068603 *2				

Knife guard (for straight buttonhole)					
Size (mm)	Part No.	Application			
		J00	J01	C00	C01
38	14042501 *2				
36	32064404 *2				
34	32064503 *2				
32	14042600 *2				
30	32064602 *2				
28	32064701 *2				
26	14042808 *2				
24	32064800 *2				
22	14042907 *2				
20	32064909 *2				
18	32065005 *2				
16	14043109 *2				
14	32065104 *2				
12	32065203 *2				
10	14043301 *2				

\*1 The cloth cutting knife for the conventional MEB-3200 can be installed on the MEB-3810 by using a spacer (optional). The part number of the spacer is 40115728.  
\*2 The knife guard for the conventional MEB-3200 can be installed on the MEB-3810 by using a spacer (optional). The part number of the spacer is 40115639.

# SPECIFICATIONS

Model name	MEB-3810J	MEB-3810C
Application	Jeans	Cotton pants and working wear
Stitching shape patterns	<p>The machine is provided as standard with 10 different stitching shape patterns of eyelet buttonhole. As many as 89 different patterns can be stored in memory and selected.</p>	
Stitch system	1-needle, double chainstitch (with gimp)	
Sewing speed	400~2,500sti/min	
Stitch length	10~38mm (Needle thread trimming type) 10~34mm (Overall thread trimming type)	
Needle throwing width	Mechanical adjustment of the needle throwing width : 2.0~4.0mm Compensation of the needle throwing width (by the lower feed dog) : 1.5~5.0mm	
Taper bar length	3~15mm	
Work clamp height	13mm	
Method for changing stitch shape	By selecting a program	
Buttonhole cutting method	By cut-before knife or cut-after or without buttonhole cutting	
Cloth cutting knife drive system	Pneumatic	
Needle (at the time of delivery)	D0x558 Nm90~Nm120 (Nm110)	
Lubricating oil	JUKI MACHINE OIL No.18 (equivalent to ISO VG18)	
Compressed air	Main regulator : 0.5 MPa Hammer pressure regulator : 0.35 MPa (standard), 0.4 MPa (Max)	
Air consumption	49.5 l/min (11.6 cycle/min)	
Power requirement and power consumption	Single-/3-phase 200-240V, 250VA	
Weight	Machine head: 110Kg, Operation panel: 0.3Kg, Control Box: 5Kg	
Dimensions	Machine head : 382mm (W) x 656mm (D) x 584mm (H) Completed-product : 1,050mm (W) x 700mm (D) x 1,248mm (H) (thread stand is not included)	

\*"sti/min" stands for "Stitches per Minute."

## WHEN YOU PLACE ORDERS

Please note when placing orders, that the model name should be written as follows:

Application	Code	Table stand	Code
Jeans	J	On the table	A
Cotton pants and working wear	C		

Thread trimming style	Code	Options	Code
Needle thread trimming type	00	Not provided	ZZ
Overall thread trimming type	01	Needle thread clamp device	A1

Machine head

**M E B 3 8 1 0** [ ] [ ] [ ] [ ] **A** [ ] [ ]

Control box

**M C 6 2 1** [ ] **S**

Power supply		Code
3-phase	200~240V (for General Export)	E
Single-phase	200~240V (for General Export)	K
	200~240V (for CE) (not provided with power switch)	N

● To order, please contact your nearest JUKI distributor.

## OPTIONS

- **2-pedal switch**  
[ Part No.40033831 (Pedal switch, asm.) ]  
The work clamp can be lifted/lowered and the machine can be started using the pedal switch.  
※ To use the 2-pedal unit, pedal switch cable asm. (Part No.40114433) is required.
- **Sub table asm. (for sunken head setup)**  
[ Part No.40115994 ]

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\* Specifications and appearance are subject to change without prior notice for improvement.  
\* Read the instruction manual before putting the machine into service to ensure safety.  
\* This catalogue prints with environment-friendly soyink on recycle paper.



JUKI CORPORATION HEAD OFFICE  
Juki Corporation operates an environmental management system to promote and conduct the following as the company engages in the research, development, design, sales, distribution, and maintenance of industrial sewing machines, household sewing machines, industrial robots, etc., and in the provision of sales and maintenance services for data entry systems:  
(1) The development of products and engineering processes that are safe to the environment  
(2) Green procurement and green purchasing  
(3) Energy conservation (reduction in carbon-dioxide emissions)  
(4) Resource saving (reduction of papers purchased, etc.)  
(5) Reduction and recycling of waste  
(6) Improvement of logistics efficiency (modal shift and improvement of packaging, packing, etc.)