MEB-3200 Series

Computer-controlled, Eyelot Buttonholing Machine with Stimmer for Needle and Lower Thread with Gimp

Specifications

<table>
<thead>
<tr>
<th>Application</th>
<th>Right hand</th>
<th>Left hand</th>
<th>Application</th>
<th>Right hand</th>
<th>Left hand</th>
</tr>
</thead>
<tbody>
<tr>
<td>Buttonholing</td>
<td>Single-thread</td>
<td>Double-thread</td>
<td>Buttonholing</td>
<td>Single-thread</td>
<td>Double-thread</td>
</tr>
<tr>
<td>Throat plate</td>
<td>A (standard)</td>
<td>C (for wide stitch bite)</td>
<td>Throat plate</td>
<td>A (standard)</td>
<td>C (for wide stitch bite)</td>
</tr>
<tr>
<td>Part No.</td>
<td>320-42715</td>
<td>320-43010</td>
<td>Part No.</td>
<td>320-42715</td>
<td>320-43010</td>
</tr>
<tr>
<td>Sewing length</td>
<td>500 (600) stitches/bend</td>
<td>500 (600) stitches/bend</td>
<td>Sewing length</td>
<td>500 (600) stitches/bend</td>
<td>500 (600) stitches/bend</td>
</tr>
<tr>
<td>Max. sewing speed</td>
<td>2,200 sti/min</td>
<td>2,200 sti/min</td>
<td>Max. sewing speed</td>
<td>2,200 sti/min</td>
<td>2,200 sti/min</td>
</tr>
</tbody>
</table>

OPTION

<table>
<thead>
<tr>
<th>Model</th>
<th>1-needle, double chainstitch (with gimp)</th>
<th>1-needle, double chainstitch (with gimp)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Part No.</td>
<td>320-62101</td>
<td>320-62200</td>
</tr>
<tr>
<td>Shape (mm)</td>
<td>36</td>
<td>34</td>
</tr>
</tbody>
</table>

Others

- JUKI New Defrix Oil No.2 (equivalent to ISO VG32)
- 0.5MPa, 6d (computer-controlled thread tension mechanism)
- Power requirement and consumption: Single-/3-phase, 550VA (at the time of delivery)

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 soy ink on recycle paper. OCTOBER, 2015 Printed in Japan

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Presser support plate

M39200

Pedal switch, ASM.

Pedal switch, ASM.

Pedal switch, ASM.

Pedal switch, ASM.
By dropping the knife two or more times per cycle, the machine provides higher productivity. An active tension mechanism (computer-controlled thread tension mechanism) that electronically controls the needle and looper thread tensions for small-lot production of ladies’ wear subject to frequent design changes. By performing two different kinds of buttonholing, the MEB-3200 halves the time required for the setup. The machine has adopted a direct-drive method (combines a compact AC servomotor directly to the hook-driving shaft. The quick startup and motion mechanism, the machine produces no stop-motion noise.

EXCELLENT CAPABILITIES TO HELP IMPROVE SEAM QUALITY

- Needle and looper thread tensions can be digitally established on the operation panel according to sewing conditions. Data can be registered on a pattern by pattern basis or can be reprogrammed for any changes in conditions.
- Using conventional machines it’s quite difficult to reproduce the same sewing conditions. This machine does it with ease. With the capability of the MEB-3200, rearward or forward changes, significantly reducing the time required for setup changes or adjustments. The machine also maintains the consistent production of high-quality seams.

EASY-TO-OPERATE MULTI-FUNCTIONAL OPERATION PANEL

- The machine head has a wider space under the work clamps to permit easy placement of a sewing product, thereby improving workability.
- Separately driven right and left work clamps.
- The right and left work clamps are separately driven by independent air cylinders. With the selection of the work clamp, the clamping points of different thicknesses is possible from flat to bulky.

HIGHLY ELASTICITY

Thanks to the computer control, many different stitch types and buttonhole shapes can be selected or established on the operation panel.

- The machine is provided with 16 different stitching shape patterns. As many as 32 different patterns can be stored in memory and selected.
- The machine provides high-quality seams by automatically adjusting to changes in stitch formation and allowing the operator to set a separate thread tension for both sides of buttonholing.

HIGH PERFORMANCE

Reliable overall thread-trimming mechanism.

- The MEB-3200/RSL provides for needle and looper cut, needle threader, and gimpers to leave longer threads on the material. The thread trimmer cuts the thread in the desired lengths on the material to be used, and the automatic thread trimmer cuts the thread to leave longer threads on the material. This facilitates the subsequent bartacking process.

Thread tensions can be separately established for various sections of a buttonhole, including eyelet, buttonhole, and bartacking sections. The machine is provided as standard with 10 different stitching shape patterns.

- The machine head has a wider space under the work clamps to permit easy placement of a sewing product, thereby improving workability.
- Separately driven right and left work clamps.
- The amount of material opened can be easily adjusted using the adjusting screw mounted outside the machine head.
- The semi-sunken machine head promises easy placement and smooth handling of sewing products.

Sub-class: MEB-3200SS
- Provided with multi-cutting device.
- The machine has a built-in motion mechanism to cut materials in a single-stroke motion.
- This machine is equipped as standard with a needle thread clamp device.

REPLACEMENT GADES

Material opening amount

<table>
<thead>
<tr>
<th>Eyelet name</th>
<th>Shape</th>
<th>Material opening amount (mm)</th>
<th>Part No.</th>
<th>Assembled/Tested</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eyelet buttonhole</td>
<td>Eyelet buttonhole with a taper bar</td>
<td>2.7 5.1</td>
<td>6A 320-87306</td>
<td>2.7 5.1</td>
<td>A</td>
</tr>
<tr>
<td>Eyelet buttonhole</td>
<td>Eyelet buttonhole with a straight bartack</td>
<td>3.2 5.8</td>
<td>7A 320-87407</td>
<td>3.2 5.8</td>
<td>A</td>
</tr>
<tr>
<td>Straight buttonhole</td>
<td>Straight buttonhole with a taper bar</td>
<td>3.2 5.8</td>
<td>8A 320-87507</td>
<td>3.2 5.8</td>
<td>A</td>
</tr>
<tr>
<td>Straight buttonhole</td>
<td>Straight buttonhole with a straight bartack</td>
<td>3.2 5.8</td>
<td>9A 320-87607</td>
<td>3.2 5.8</td>
<td>A</td>
</tr>
<tr>
<td>Side buttonhole</td>
<td>Side buttonhole with a taper bar</td>
<td>3.2 5.8</td>
<td>10A 320-87707</td>
<td>3.2 5.8</td>
<td>A</td>
</tr>
<tr>
<td>Side buttonhole</td>
<td>Side buttonhole with a straight bartack</td>
<td>3.2 5.8</td>
<td>11A 320-87807</td>
<td>3.2 5.8</td>
<td>A</td>
</tr>
<tr>
<td>Flower hole</td>
<td>Flower hole with a taper bar</td>
<td>3.2 4.0</td>
<td>12A 320-87907</td>
<td>3.2 4.0</td>
<td>A</td>
</tr>
<tr>
<td>Flower hole</td>
<td>Flower hole with a straight bartack</td>
<td>3.2 4.0</td>
<td>13A 320-88007</td>
<td>3.2 4.0</td>
<td>A</td>
</tr>
<tr>
<td>Eyelet buttonhole</td>
<td>Eyelet buttonhole with a taper bar</td>
<td>3.2 5.8</td>
<td>14A 320-88107</td>
<td>3.2 5.8</td>
<td>A</td>
</tr>
<tr>
<td>Eyelet buttonhole</td>
<td>Eyelet buttonhole with a straight bartack</td>
<td>3.2 5.8</td>
<td>15A 320-88207</td>
<td>3.2 5.8</td>
<td>A</td>
</tr>
<tr>
<td>Side buttonhole</td>
<td>Side buttonhole with a taper bar</td>
<td>3.2 5.8</td>
<td>16A 320-88307</td>
<td>3.2 5.8</td>
<td>A</td>
</tr>
<tr>
<td>Side buttonhole</td>
<td>Side buttonhole with a straight bartack</td>
<td>3.2 5.8</td>
<td>17A 320-88407</td>
<td>3.2 5.8</td>
<td>A</td>
</tr>
</tbody>
</table>

Dust bag
The machine is equipped as standard with a needle thread clamp device.


ewhole buttonhole

Front buttonhole

Straight buttonhole

Eyelet buttonhole

Buttonhole with taper bar

Buttonhole with round bartack

Buttonhole with a straight bartack

Eyelet shape

Front buttonhole

Straight buttonhole

Eyelet buttonhole

Newly developed machine head that efficiently sews longitudinal buttonholes.

Narrowly spaced buttonholes can be easily established. Needle thread clamp device eliminates the thread ends. This facilitates the subsequent bartacking process.

The machine can be threaded more quickly and easily than conventional buttonholing machines.

The machine has adopted a direct-drive method that connects a compact AC servomotor directly to the hook-driving shaft. The quick startup and no sound environment.

Selection between the cut-before knife and cut-after knife can be separately established on the operation panel. The end result is increased productivity.

Designing and adjusting screw

The machine has a needle thread clamp device. The machine has a needle thread clamp device.

Improvements of working environment.

Designed without a clutch mechanism or stop-motion mechanism, the machine produces no stop-motion noise.

The needle thread clamp device eliminates the thread ends. This facilitates the subsequent bartacking process.

The machine can be threaded more quickly and easily than conventional buttonholing machines.

The machine can be easily threaded using the needle thread clamp device.

The machine has adopted a direct-drive method that connects a compact AC servomotor directly to the hook-driving shaft. The quick startup and no sound environment.

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Improvements of working environment.

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Improvements of working environment.

Designed without a clutch mechanism or stop-motion mechanism, the machine produces no stop-motion noise.
By dropping the knife two or more times per cycle, the machine ensures higher productivity. An active tension mechanism (computer-controlled thread tension mechanism) that electronically controls the needle and looper thread tensions can sew buttonholes of various sizes without changing the knife guard (18mm to 38mm for eyelet buttonholes and 10mm to 38mm for straight buttonholes). The machine is best suited for small-lot production of ladies’ wear subject to frequent process changes.

The computer controlled design eliminates much of the complicated mechanisms, significantly improving maintainability. The machine head has a wide space for easy access, providing a convenient sewing environment.

Excellent maintainability.
- The computer controlled design eliminates much of the complicated mechanisms, significantly improving maintainability.
- The machine head has a wide space for easy access, providing a convenient sewing environment.

HIGHER PRODUCTIVITY

The machine is provided with standard 10 different stitching shape patterns. As many as 89 different patterns can be stored in memory and selected. The machine promises high-quality seams by smoothly responding to changes in stitch formation and allowing the operator to set a separate thread tension for the bartacking sections of buttonholes.

Thread tensions for the beginning and end of sewing can also be separately established. This helps prevent loose stitches or slip-off or raveling of thread at the beginning of sewing.

All pieces of data on sewing specifications can be established/selected on the operation panel.

Thread tensions can be separately established for various sections of a buttonhole such as cyclet shape sections and parallel sections.

EASILY-TO-OPERATE MULTI-FUNCTIONAL OPERATION PANEL

Separately driven right and left work clamps.
- The right and left work clamps are separately driven by independent cylinders. With the exception of the work clamp on the material side, all other mechanisms are presented in detail from the top view.

The machine head has a wide space for easy access, providing a convenient sewing environment.

Excellent maintainability.
- The computer controlled design eliminates much of the complicated mechanisms, significantly improving maintainability.
- The machine head has a wide space for easy access, providing a convenient sewing environment.

HIGHER OPERABILITY

Nobly developed machine head that efficiently new longitudinal buttonholes.
- The machine head has a wide space for easy access, providing a convenient sewing environment.
- The machine produces a straight bartack after cloth cutting to keep the working environment cleaner.
- The machine head has a wide space for easy access, providing a convenient sewing environment.

HIGHER THROUGHPUT

Thanks to the computer control, many different cyclet shapes and straight buttonhole shapes can be selected or established on the operation panel.

The machine is provided with standard 10 different stitching shape patterns. As many as 89 different patterns can be stored in memory and selected.

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### MEB-3200 Series

**Computer-controlled, Eyelit Buttonholing Machine with Stimmer for Needle and Lower Thread with Clamp**

The world's first machine that incorporating an active tension mechanism (computer-controlled thread tension mechanism)

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#### SPECIFICATIONS

<table>
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<tr>
<th>Feature</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Application</strong></td>
<td>Micro and large size&lt;br&gt;Compensating for the natural and&lt;br&gt;troubleshooting of straight buttonholes.</td>
</tr>
<tr>
<td><strong>Thread trimming style</strong></td>
<td>Longer trimming thread&lt;br&gt;Shorter consuming thread.&lt;br&gt;Stitching the buttonhole using double (piping) thread.</td>
</tr>
<tr>
<td><strong>Sewing length</strong></td>
<td>500 (600) to 1000 (1200) stitches&lt;br&gt;800 (850) to 1000 (1200) stitches (with gimp)</td>
</tr>
<tr>
<td><strong>Needle threading style</strong></td>
<td>THRU &amp; THROUGH&lt;br&gt;THRU &amp; LOOPER&lt;br&gt;THRU &amp; LOOPER (with gimp)</td>
</tr>
<tr>
<td><strong>Max. sewing speed</strong></td>
<td>1400 to 14000 stitches per minute</td>
</tr>
<tr>
<td><strong>Stitch system</strong></td>
<td>1 needle, double chainstitch (with gimp)</td>
</tr>
<tr>
<td><strong>Power requirement and power consumption</strong></td>
<td>Single-phase 220V, 0.5MPa 6d 0.2MPa 6d</td>
</tr>
</tbody>
</table>
**MEB-3200 Series**

Computer-controlled, Eyelet Buttonholing Machine with Tinner for Needle and Looper Thread with Gimp

**Specifications**

<table>
<thead>
<tr>
<th>Application</th>
<th>Thread trimming method</th>
<th>Stitches</th>
<th>Feed system</th>
<th>Cloth cutting knife drive system</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single needle</td>
<td>Aschol needle and single chainstitch (without gimp)</td>
<td>38</td>
<td>Intermittent feed by stepping motor</td>
<td>By cut-before knife or cut-after or without buttonhole cutting</td>
</tr>
<tr>
<td>Single needle</td>
<td>Single needle and single chainstitch (with gimp)</td>
<td>32</td>
<td>Vertically driven by stepping motor</td>
<td>For eyelet buttonholes 140-58903</td>
</tr>
<tr>
<td>Single needle</td>
<td>Double chainstitch (without gimp)</td>
<td>38</td>
<td></td>
<td>For eyelet buttonholes 40mm 140-10102</td>
</tr>
<tr>
<td>Single needle</td>
<td>Double chainstitch (with gimp)</td>
<td>32</td>
<td></td>
<td>For eyelet buttonholes 40mm 140-13908</td>
</tr>
</tbody>
</table>

**Installation is invalid.**

**Additional Information**

- JUKI New Defrix Oil No.2 (equivalent to ISO VG32)
- Pedal switch, asm.
- Work clamp type S
- Work clamp type L

**Options**

- Pedal switch, asm.
- Pedal switch, cable
- Work clamp, 24mm
- Work clamp, 32mm

**Table Stand Code**

- Standard: S
- On the table: Z
- When the sewing length of 38 is selected, the range of stitch bite can be changed to 2.6 (2.3mm)

**Dimensions**

- 790mm (D)
- 1,230mm (H)

**Power Requirements**

- Single-phase 220
- Three-phase 380

**Additional Notes**

- Please read the instruction manual before putting the machine into service to ensure safety.
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