**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Model name</th>
<th>LBH-780</th>
<th>LBH-780NV</th>
<th>LBH-780NB</th>
</tr>
</thead>
<tbody>
<tr>
<td>Application</td>
<td>Buttonholing for ordinary cloth, knit, etc.</td>
<td>For double-stitching with gimp</td>
<td>For double-stitching with gimp and gimp cutter</td>
</tr>
<tr>
<td>Sewing speed</td>
<td>3,000sti/min*</td>
<td>Max. 3,300sti/min*, Normal 3,000sti/min*</td>
<td></td>
</tr>
<tr>
<td>Needle bar stroke</td>
<td>34.6mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Max. lift of the work clamp</td>
<td>12mm</td>
<td>11.5mm</td>
<td></td>
</tr>
<tr>
<td>Max. thickness of material that can be used</td>
<td>4mm (with the work clamp lowered)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Number of stitches</td>
<td>54~545 (by gear-change method)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Length of buttonholes</td>
<td>6.4~36.8mm</td>
<td>9.5~36.1mm</td>
<td>11.5~38.1mm</td>
</tr>
<tr>
<td>Needle</td>
<td>DP X 5 #12, For JE 134 Hm75</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hook</td>
<td>DP type, automatic lubricating full-rotary hook</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Deceleration method</td>
<td>Belt-shifting method</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lubrication</td>
<td>Automatic</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lubricating oil</td>
<td>JUKI New Defrix Oil No.1 (equivalent to ISO VG7)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Motor</td>
<td>300W general-purpose motor</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Weight of the machine head</td>
<td>40kg</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* "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:

- **LBH78 Series**
  - **LBH78**
    - **Model**
      - **Knife width**
        - 6.4~19.1mm | 1 | Standard |
        - 6.4~24.5mm | 2 | For knits |
        - 6.4~31.8mm | 3 | |
  - **LBH78 NV**
    - **Stitch formation**
      - 9.5~25.4mm | 2 | Square-type bartacking |
      - 9.5~31.8mm | 3 | Round-type bartacking |
  - **LBH78 NB**
    - **Stitch formation**
      - 11.5~25.4mm | 2 | Square-type bartacking |
      - 11.5~31.8mm | 3 | Round-type bartacking |

- **NV Type**
  - **LBH78 NV**
    - **Stitch formation**
      - 9.5~25.4mm | 2 | Square-type bartacking |
      - 9.5~31.8mm | 3 | Round-type bartacking |
  - **NB Type**
    - **Stitch formation**
      - 11.5~25.4mm | 2 | Square-type bartacking |
      - 11.5~31.8mm | 3 | Round-type bartacking |

- **To order, please contact your nearest JUKI distributor:**
  - JUKI CORPORATION
  - 1-1-1, TO-JUJIN, TAMA-SHI,
  - TOKYO 206-8551, JAPAN
  - PHONE: +81-42-397-2254
  - FAX: +81-42-387-2274
  - http://www.juki.com

**Smooth operation contributes to high-quality finished buttonholes and a higher degree of efficiency.**
LIST OF THE SUBCLASS MACHINES ACCORDING TO THEIR APPLICATIONS

<table>
<thead>
<tr>
<th>Subclass models</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>LBH-780 SERIES</td>
<td>Men’s shirts, blouses, working wear, ladies’ wear</td>
</tr>
<tr>
<td>LBH-782 SERIES</td>
<td>Knitting fabric underwear, knit products</td>
</tr>
<tr>
<td>LBH-783 SERIES</td>
<td>Sweaters, polo shirts, ties, and jersey wear made of the materials which need to be sewn with especially durable stitches.</td>
</tr>
<tr>
<td>LBH-781 SERIES</td>
<td>Same with the application of the NV type model. NB type model is equipped with the automatic gimp cutter.</td>
</tr>
</tbody>
</table>

OPTIONS

<table>
<thead>
<tr>
<th>Model</th>
<th>Part No.</th>
<th>Description</th>
<th>Feature</th>
</tr>
</thead>
<tbody>
<tr>
<td>Q060</td>
<td>MAQ-060000A0</td>
<td>Men’s shirts</td>
<td>Spacer for first buttonholes</td>
</tr>
<tr>
<td>Q061</td>
<td>MAQ-061000A0</td>
<td>Ladies’ blouses</td>
<td>This is a ruler to be used to set the first buttonhole at a predetermined position in accordance with the shape of the collar. Adjustable regardless of the dimensions and shape of collars.</td>
</tr>
<tr>
<td>Q065</td>
<td>MAQ-065000A0</td>
<td>Space for buttonholes on top-center plates</td>
<td>This is a ruler to be used for sewing lateral buttonholes in the process of buttonholing top-center plates. Each of the pointers can be shifted with a single motion.</td>
</tr>
<tr>
<td>Q066</td>
<td>SK-1</td>
<td>Pneumatic knife driving unit</td>
<td>The SK-1 pneumatic knife driving unit cuts the material by tapping a flat knife and nylon plate on the material. This prevents the tearing-up of texture yarns that so often occurs when sewing glossy synthetic materials.</td>
</tr>
</tbody>
</table>

**LBH-780 SERIES**

At the very least, a good buttonholing machine should finish seams of consistent quality and be widely adaptable to many different kinds of materials and seam specifications. The LBH-780 series buttonholing machines respond to these needs and help reduce operator fatigue, thereby finishing high-quality buttonholes with a higher degree of efficiency.

- The buttonholing position can be easily adjusted. This further enhances ease of operation. A newly introduced mechanism in the needle thread trimmer prevents interference with the positioning of buttonholes. The shape of the face plate is designed to provide sufficient clearance around the needle entry point. As a result, ease of operation is further improved.
- The work clamp can be lifted as high as 12mm. The machine is capable of sewing heavy-weight materials such as bulky knits. The maximum lift of the work clamp is 12mm, enabling the machine to make high-quality buttonholes in heavy-weight materials.
- Work clamp can be easily lifted. This helps to substantially reduce operator fatigue. The pressure required to depress the start pedal and lifter pedal has been reduced. This helps to dramatically reduce operator fatigue.
- The knife mechanism and stop-motion mechanism produce less noise when they actuate, thus contributing to a more comfortable working environment. Thanks to the simple design of the stop-motion mechanism and unique knife mechanism, the machine operates with low noise. The machine starts, decelerates and stops smoothly.

**LBH-780NV**  
*for double-stitching with gimp*

**LBH-780NB**  
*for double-stitching with gimp and gimp cutter*

The machine neatly tucks in teton gimps with consistency. Thanks to the improved locus of the gimp guide, the machine is flexibly adaptable to changes in the types of gimps to be used, easily switching operation to accommodate one to three pieces of teton thread, or one sewing thread and one span thread. In addition, the gimp guide is designed so that it shifts vertically. This means that the relation between the needle and the gimp guide is uniform even if the material thickness varies, thus allowing the machine to tuck in gimps with consistency.

- A machine is designed for sewing soft-to-the-touch circular bartacks. It has been developed to sew circular bartacks on ladies’ wear, a process that requires a very delicate finish.
- The machine enables stitch formation performance on multi-layered portion of the material. The improved work clamp and its fullnumerously hold multi-layered portions of a heavy-weight material, thereby preventing sewing troubles such as uneven material feed, slip-off of gimp and needle breakage. This allows the machine to perform buttonholing with consistency.
- The gimp cutter dramatically promotes labor-saving. (NB type) The length of remaining gimp after its trimming is only about 2mm. This eliminates the thread cropping procedure in the after-process, thereby increasing productivity. The distance between the gimp-cutting scissors and the needle scarcely changes when sewing multi-layered portions of the material, thus ensuring consistent gimp-cutting at any occasion.

A new LBH series model has been designed for a round-type of bartacking for ladies’ wear with a soft, feminine touch. With this new model, finished products provide a soft feeling. 

- This needle entry point can visually checked. This permits easy positioning of buttonholes.
- The lift of the work clamp is as high as 12mm.
At the very least, a good buttonholing machine should finish seams of consistent quality and be widely adaptable to many different kinds of materials and seam specifications. The LBH-780 series buttonholing machines respond to these needs and help reduce operator fatigue, thereby finishing high-quality buttonholes with a higher degree of efficiency.

The buttonholing position can be easily adjusted. This further enhances ease of operation. A newly introduced mechanism in the needle thread trimmer prevents interference with the positioning of buttonholes. The shape of the face plate is designed to provide sufficient clearance around the needle entry position. As a result, ease of operation is improved further.

The work clamp can be lifted as high as 12mm. The machine is capable of sewing heavy-weight materials such as bulky knits. The maximum lift of the work clamp is 12mm, enabling the machine to make high-quality buttonholes in heavy-weight materials.

Work clamp can be easily lifted. This helps to substantially reduce operator fatigue. The pressure required to depress the start pedal and lifter pedal has been reduced. This helps to dramatically reduce operator fatigue.

The knife mechanism and stop-motion mechanism produce less noise when they actuate, thus contributing to a more comfortable working environment. Thanks to the simple design of the stop-motion mechanism and unique knife mechanism, the machine operates with low noise. The machine starts, decelerates and stops smoothly.

This needle entry point can visually checked. This permits easy positioning of buttonholes.

This is a ruler to be used to set the first buttonhole at a predetermined position in accordance with the shape of the collar. Adjustable regardless of the dimensions and shape of collars.

The lift of the work clamp is as high as 12mm.

The SK-1 pneumatic knife driving unit cuts the material by tapping a flat knife and nylon plate on the material. This prevents the tensing-up of texture yarns that so often occurs when sewing glossy synthetic materials.

Thanks to the improved locus of the gimp guide, the machine is flexibly adaptable to changes in the types of gimp to be used, easily switching operation to accommodate one to three pieces of tetron thread, or one sewing thread and one seam thread. In addition, the gimp guide is designed so that it shifts vertically. This means that the relation between the needle and the gimp guide is uniform even if the material thickness varies, thus allowing the machine to tuck in gimps with consistency.

A machine is designed for sewing soft-to-the-touch circular bartacks. It has been developed to sew circular bartacks on ladies' wear, a process that requires a very delicate finish.

A machine is designed for sewing soft-to-the-touch circular bartacks. Thanks to the improved locus of the gimp guide, the machine is flexibly adaptable to changes in the types of gimp to be used, easily switching operation to accommodate one to three pieces of tetron thread, or one sewing thread and one seam thread. Thanks to the simple design of the stop-motion mechanism and unique knife mechanism, the machine operates with low noise. The machine starts, decelerates and stops smoothly.

The length of remaining gimp after its trimming is only about 2mm. This eliminates the thread cropping procedure in the after-process, thereby increasing productivity.

The gimp cutter dramatically promotes labor-saving. (NB type)

The SK-1 pneumatic knife driving unit cuts the material by tapping a flat knife and nylon plate on the material. This prevents the tensing-up of texture yarns that so often occurs when sewing glossy synthetic materials.

A new LBH series model has been designed for a round-type of bartacking for ladies' wear with a soft, feminine touch. This new model, finished products provide a soft feeling.
LBH-780 Series
1-needle, Lockstitch Buttonholing Machine

Smooth operation contributes to high-quality finished buttonholes and a higher degree of efficiency.

**SPECIFICATIONS**

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<tr>
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<th>LBH-780</th>
<th>LBH-780NV</th>
<th>LBH-780NB</th>
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<td>3,600sti/min*</td>
<td>Max. 3,300sti/min*, Normal 3,000sti/min*</td>
<td></td>
</tr>
<tr>
<td>Needle bar stroke</td>
<td>34.4mm</td>
<td>34.4mm</td>
<td>34.4mm</td>
</tr>
<tr>
<td>Max. lift of the work clamp</td>
<td>12mm</td>
<td>11.5mm</td>
<td>11.5mm</td>
</tr>
<tr>
<td>Max. thickness of material that can be used</td>
<td>4mm (with the work clamp lowered)</td>
<td>4mm (with the work clamp lowered)</td>
<td>4mm (with the work clamp lowered)</td>
</tr>
<tr>
<td>Number of stitches</td>
<td>54～545 (by gear-change method)</td>
<td>54～545 (by gear-change method)</td>
<td>54～545 (by gear-change method)</td>
</tr>
<tr>
<td>Length of buttonholes</td>
<td>6.4～38.1mm</td>
<td>9.5～38.1mm</td>
<td>9.5～38.1mm</td>
</tr>
<tr>
<td>Needle</td>
<td>DP X S #11.2, For JE 134N/mm²</td>
<td>DP X S #11.2, For JE 134N/mm²</td>
<td>DP X S #11.2, For JE 134N/mm²</td>
</tr>
<tr>
<td>Hook</td>
<td>DP type, automatic lubricating full-rotary hook</td>
<td>DP type, automatic lubricating full-rotary hook</td>
<td>DP type, automatic lubricating full-rotary hook</td>
</tr>
<tr>
<td>Deceleration method</td>
<td>Belt-shifting method</td>
<td>Belt-shifting method</td>
<td>Belt-shifting method</td>
</tr>
<tr>
<td>Lubrication oil</td>
<td>JUKI New Defrix Oil No.1 (equivalent to ISO VG7)</td>
<td>JUKI New Defrix Oil No.1 (equivalent to ISO VG7)</td>
<td>JUKI New Defrix Oil No.1 (equivalent to ISO VG7)</td>
</tr>
<tr>
<td>Motor</td>
<td>300W general-purpose motor (A 250W general-purpose motor can be used when the machine is used at a sewing speed of 3,100rpm or less.)</td>
<td>300W general-purpose motor (A 250W general-purpose motor can be used when the machine is used at a sewing speed of 3,100rpm or less.)</td>
<td>300W general-purpose motor (A 250W general-purpose motor can be used when the machine is used at a sewing speed of 3,100rpm or less.)</td>
</tr>
<tr>
<td>Weight of the machine head</td>
<td>40kg</td>
<td>40kg</td>
<td>40kg</td>
</tr>
</tbody>
</table>

* "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:

- **LBH Series**
  - LBH78 U
  - Model: Code
    - Knife width: Code
      - 6.4～19.1mm: 1
      - 6.4～24.5mm: 2
      - 6.4～31.8mm: 3
  - Subclass machines: Code
    - Standard: 1
    - For knit: K

- **NV Type**
  - LBH78 NV
  - Model: Code
    - Knife width: Code
      - 9.5～25.4mm: 2
      - 9.5～31.8mm: 3
  - Stitch formation: Code
    - Square-type bartacking: 1
    - Round-type bartacking: 2

- **NB Type**
  - LBH78 NB
  - Model: Code
    - Knife width: Code
      - 11.5～25.4mm: 2
      - 11.5～31.8mm: 3
  - Stitch formation: Code
    - Square-type bartacking: 1
    - Round-type bartacking: 2

- To order, please contact your nearest JUKI distributor.

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1-11-1, TO-UN, TAMANISHI, TOKYO 206-8551, JAPAN
PHONE: (81) 42-397-2254
FAX: (81) 42-397-2274
http://www.juki.com

JUKI CORPORATION
Sewing Machinery Business Unit

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Printed in Japan

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