The machine produces high-quality soft seams.
LZ-2280A Series

LZ-2280A Series is the latest model of highly-evaluated JUKI's zigzag stitch machines.

The sewing machine produces soft seams with consistency with a low tension applied to the thread.

Problems which are associated with low-tension sewing such as "double-catching" and "irregular stitches", as well as factors which affect seam quality such as "thread path", "thread bending resistance", "feed locus", "needle locus" and "timing" have been thoroughly reviewed, thereby successfully producing soft seams. The machine has adopted JUKI's established genuine hook and thread take-up lever.

Presser adjustment screw add scale line
Presser adjustment screw attached the scale line at standard.

Screw for the attachment is provided as standard
The machine is provided as standard with a screw which is necessary for attaching the guide device. This facilitates response to various processes.

Bobbin thread winder
The bobbin thread winder is built-in at the top surface of the machine head. The bobbin winder incorporates a thread cutting knife for cutting the thread after the completion of bobbin winding.

Micro-lifter
It works to constantly material or other difficult-to-sew ones, thereby helping effectively reduce material slippage as well as damages made by the presser foot on the material.

The compact-size servomotor
The LZ-2284A-7 has installed with the compact servomotor which has directly connected to the main shaft.

Easy-to-operate adjustment mechanism
For the adjustment of the needle position, needle throwing width and stitch base line, an easy-to-operate lever style has been adopted. In addition, the feed amount and the condensation mechanism for fastening stitches can be easily adjusted since an adjustment dial has been adopted.

Automatic reverse feed function
The automatic reverse feed switch can be re-positioned to best match the operator.

The lift of the presser foot has been increased and the LED has been provided as standard
The visible area around the needle entry point has been increased and the LED light has been installed, thereby helping reduce the operator's fatigue when sewing small parts. The illuminance of the LED light can be adjusted near the needle entry point.

LED : Applied only to 00, 0B and models with automatic thread trimmer

Silent and low-vibration operation
The needle rocking cam has been totally reviewed to enable comfortable sewing even during high-speed sewing.

Attachment-mounting seat
Installation of an attachment-mounting seat improves operability when replacing the attachment and increases the durability of the machine bed surface.

Compact AC servomotor (direct-drive system)

The LZ-2284A-7 is an eco-friendly product which complies with JUKI ECO PRODUCTS standards for protecting the environment.

- The sewing machine complies with the "Juki Group Green Procurement Guidelines" on the use of hazardous substances, which is stricter than other restrictions, such as those of the RoHS Directive.
- This sewing machine reduces power consumption by 8.6% as compared with the conventional models.
- The RoHS Directive is an EU Directive limiting the use of 6 hazardous substances (lead, hexavalent chromium, mercury, cadmium, PBB and PBDE) in electrical and electronic equipment.
- The Juki Green Procurement Guidelines is the voluntarily established criteria to eliminate not only the aforementioned 6 substances, but also other ones which adversely affect the environment.
Standard zigzag stitching machine

JUKI's unique thread trimming mechanism

JUKI-specific loop spreading-structure knife sliding system enables thread trimming without fail whether needle throws to the right or the left.

Maintenance

- The adjustable range of the feed mechanisms has been widened, thereby upgrading the machine's responsiveness to materials
- Adjustment for various feed timings
  Marker lines engraved on the face plate and the pictorial indication facilitate adjustment of the needle-to-feed timing and the hook timing.
- Adjustment of oil quantity in the hook
  Oil feeding path of the LZ-2280A Series has been reviewed to enable feeding of consistent quantity of oil.

Standard / Standard wider zigzag

High-speed, 1-needle, Lockstitch, Zigzag Stitching Machine

LZ-2280A

The standard zigzag stitching machine creates softly finished seams. The needle rocking mechanism is provided with a triangular cam which helps produce beautiful seams with consistency.

Two kinds of gauges can be selected in accordance with the application of the machine:
- an A-type gauge with a zigzag width of 5 mm, and a B-type gauge with a zigzag width of 8 mm.

Zigzag width: 5 mm
High-speed, 1-needle, Lockstitch, Zigzag Stitching Machine
LZ-2280AA

Zigzag width: 8 mm
High-speed, 1-needle, Lockstitch, Standard wider zigzag stitching machine
LZ-2280AB
Stitching Pattern Changeover Function

Equipped with two different functions, the machine is available to handle a wider range of application. LZ-2284A (Standard/3-step Zigzag) and LZ-2287A (3-step Zigzag/Scallop) can perform two stitching patterns by one machine, thereby increasing the machine operation rate.

### Standard/3-step Zigzag Stitching Pattern Changeover Function

**High-speed, 1-needle, Lockstitch, Zigzag Stitching Machine**

**LZ-2284A-7**

Switch between the standard zigzag stitching pattern and 3-step zigzag stitching pattern with simple one-touch control.

The operator can easily switch the needle-throwing pattern between the standard and 3-step zigzag stitching patterns using the lever located in the free space under the arm. When changing the sewing product or design, there’s no need to adjust the sewing machine head or machine layout.

**LZ-2284A**

### Switch between the 3-step zigzag stitching pattern and scallop stitching pattern with simple one-touch control

**High-speed, 1-needle, Lockstitch, Zigzag Stitching Machine**

**LZ-2287A**

3-step zigzag stitching and scallop stitching can be changed over through fingertip control.

The mechanism for changing over the type of stitching between standard zigzag stitching and 3-step zigzag stitching has been well-received in the market. Now, the sewing machine which is able to change over the type of stitching between 3-step zigzag stitching and scallop stitching which are frequently used for sewing girdles has been added to the LZ Series.
### Features

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
<th>Feature</th>
</tr>
</thead>
<tbody>
<tr>
<td>40135177</td>
<td>Automatic reverse feed Kit</td>
<td>This device allows a machine without thread trimmer to perform automatic reverse feed function.</td>
</tr>
<tr>
<td>225-26578</td>
<td>Hook with a hard blade point</td>
<td>Prevents the blade point of the hook from wearing out</td>
</tr>
<tr>
<td>229-07406</td>
<td>Presser spring</td>
<td>This is the spring which strongly holds down the material when sewing a heavy weight material.</td>
</tr>
<tr>
<td>B3129012A00</td>
<td>Tension spring</td>
<td>Tightly tensed seams can be produced by increasing the tension applied to the needle thread.</td>
</tr>
<tr>
<td>40135178</td>
<td>Auxiliary Thread take-up Kit</td>
<td>Thread breakage and stitch skipping can be prevented by stabilizing the needle thread loops.</td>
</tr>
</tbody>
</table>

### Hook with non-rotational bobbin
The hook with non-rotational bobbin eliminates sewing troubles resulting from bobbin idling. It provides a uniform bobbin thread tension at all times, thereby guaranteeing a consistent stitch formation.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>235-23152</td>
<td>Hook</td>
<td>Mainly for the standard zigzag stitch: Effectively prevents the material swelling at the sewn part, as well as irregular stitches when sewing lace to slips, camisoles and shorts.</td>
</tr>
<tr>
<td>235-22550</td>
<td>Bobbin case (asm.)</td>
<td>The quantity of thread to be wound around this bobbin is approximately 60% of that wound around the conventional bobbin. Therefore, this bobbin is not recommended for pattern stitching such as three-point zigzag stitching and scallop stitching, or intape-attaching processes, even if the stitch system is the standard zigzag stitch.</td>
</tr>
<tr>
<td>235-23004</td>
<td>Bobbin</td>
<td>Thread specifically developed for sewing foundation garments and lingerie such as Resilon, Poelen, Satin, and Berlon (#50, #60).</td>
</tr>
</tbody>
</table>

### Oilless bobbin case / Hook (special race surface plastic hook)
The oilless bobbin case and hook effectively prevent oil stains.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>235-5759</td>
<td>Hook compl. D</td>
<td>Thread which has naps, decorative yarn of multi-fiber thread such as woolly thread, Berlon D420 and D300, and spun thread.</td>
</tr>
<tr>
<td>400-03609</td>
<td>Bobbin case D3 (compl.)</td>
<td>Soft seams can be produced by lowering the bobbin thread tension.</td>
</tr>
<tr>
<td>400-03610</td>
<td>Bobbin case D3 (asm.)</td>
<td>Soft seams can be produced by lowering the bobbin thread tension.</td>
</tr>
</tbody>
</table>

### Pedal-operated reverse feed stitching device (RF-1)
The device enables the operator to perform reverse feed stitching using the pedal without using the right hand.

### Oilless bobbin case / Hook (special race surface plastic hook)
The oilless bobbin case and hook effectively prevent oil stains.

### Presser foot connecting components
The aforementioned parts are used when a lockstitching type presser foot is installed on the machine. Select a parts set of either the presser-bar changing type or the presser bar joining type, according to the type of presser foot of your machine.
# List of the major gauges

<table>
<thead>
<tr>
<th>Max. zigzag width</th>
<th>Throat plate</th>
<th>Feed dog</th>
<th>Presser foot (with finger guard)</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. feed pitch</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>10041010</td>
<td>10047017</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>10041101</td>
<td>22580104</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>22580005</td>
<td>22580500</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>22582100</td>
<td>22582209</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>22582704</td>
<td>22582803</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>22582407</td>
<td>22581508</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>22582506</td>
<td>22548804</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>22545008</td>
<td>22545107</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>22545511</td>
<td>22545610</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- 22580369: With a recess on the reverse side of the presser foot

- 22580104: Light-in-weight type

- 22580260: Light-in-weight type

- 22580765: Light-in-weight type

- 23503154: Light-in-weight type

- 23503162: Light-in-weight type

- 23503253: Front fulcrum type

- 22580864: Light-in-weight type

- 10055051: Light-in-weight type

- 22584965: Light-in-weight type

- 22545362: Light-in-weight type

- 22545867: Light-in-weight type

* Slighted to sewing tasks that require frequent changes in the needle throw position.

* Light-in-weight presser foot prevents jumping at the time of high-speed sewing.

With a recess on the reverse side of the presser foot

Presser foot with tape guide
In addition to the above-listed ones, many different gauges and attachments for zigzag stitching are available. Please contact us for details.

<table>
<thead>
<tr>
<th>Max. zigzag width</th>
<th>Throat plate</th>
<th>Feed dog</th>
<th>Presser foot (with finger guard)</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. feed pitch</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- For standard zigzag stitching
- The 5mm-feed is suited to tape-attaching process where the elastic tape is sewn with stretched.
- For attaching tape to brassieres, etc.
## SPECIFICATIONS

<table>
<thead>
<tr>
<th>Model name</th>
<th>Without automatic thread trimmer</th>
<th>LZ-2280A (A)</th>
<th>LZ-2280A (B)</th>
<th>LZ-2284A</th>
<th>LZ-2287A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stitch system</td>
<td>Standard zigzag</td>
<td>Standard wider zigzag</td>
<td>Standard / 3-step zigzag</td>
<td>3-step zigzag / scallop</td>
<td></td>
</tr>
<tr>
<td>Stitch pattern</td>
<td><img src="image1" alt="Stitch pattern" /></td>
<td><img src="image2" alt="Stitch pattern" /></td>
<td><img src="image3" alt="Stitch pattern" /></td>
<td><img src="image4" alt="Stitch pattern" /></td>
<td></td>
</tr>
<tr>
<td>Max. sewing speed</td>
<td></td>
<td>5,000 sti/min</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Max. zigzag width</td>
<td>5 mm</td>
<td>8 mm</td>
<td>5 mm (standard)</td>
<td>10 mm (3-step)</td>
<td>10 mm</td>
</tr>
<tr>
<td>Max. feeding amount</td>
<td>2.5 mm</td>
<td>5 mm</td>
<td>2.5 mm</td>
<td>5 mm</td>
<td></td>
</tr>
<tr>
<td>Lift of the presser foot</td>
<td>By hand: 5.5 mm, By knee: 10 mm</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hook</td>
<td>DP hook (with titanium-treated inner hook)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Thread take-up</td>
<td>Rotary type</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lubrication</td>
<td>Fully automatic</td>
<td></td>
<td></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>
<td></td>
<td></td>
</tr>
<tr>
<td>Needle (at the time of delivery)</td>
<td>134SUK (Nm70)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Needle position changing mechanism</td>
<td>Provided as standard</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Reverse feed stitching mechanism</td>
<td>Provided as standard</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Needle throw pattern cam</td>
<td>Triangular cam</td>
<td>Grooved cam</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### WHEN YOU PLACE ORDERS

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

- **LZ-2280A series (without automatic thread trimmer)**

  ![LZ2280A series](image5)

  - **Type Code**: Provided
  - **Auto-lifter Code**: Not provided
  - **Wiper and automatic reverse feed function Code**: WB

- **LZ-2280A-7 series (with automatic thread trimmer)**

  ![LZ2280A-7 series](image6)

  - **Type Code**: Provided
  - **Auto-lifter Code**: Provided (AK85)

To order, please contact your nearest JUKI distributor.

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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.