

DLM-5400NDD-7

Direct-drive, 1-needle, Bottom-feed, Lockstitch Machine with Vertical Edge Trimmer and Automatic Thread Trimmer

DMN-5420NDD-7

Direct-drive, 1-needle, Needle-feed, Lockstitch Machine with Vertical Edge Trimmer and Automatic Thread Trimmer

JUKI



Energy-saving servomotor is installed in the direct-drive style.



DLM-5400NDD-7



DMN-5420NDD-7



- The direct drive system has been adopted.
- Both the control box and the operation panel are integrated with the machine head.
- Dramatically advanced availability for material.
- Maintainability is improved.

SPECIFICATIONS

| Model name | DLM-5400NDD-7 | DMN-5420NDD-7 |
|--|--|---|
| Max. sewing speed | 4,500 sti/min* | 5,000 sti/min* (MAX.4,000rpm with the stitch length set to 4mm or more) |
| Feed system | Bottom-feed | Needle-feed |
| Max. stitch length | 4mm (normal / reverse feed) | 5mm (normal / reverse feed) |
| Needle bar stroke | 30.7mm | |
| Lift of the presser foot | By hand: 5.5mm, By knee: 13mm | |
| Needle | DB x 1 (#14) #9~#18 | |
| Hook | Automatic-lubricating full-rotary hook | |
| Max. thickness of the material to be cut | 4mm | |
| Lubrication | Automatic | |
| Lubricating oil | JUKI Machine Oil 7 (equivalent to ISO VG7) | |
| Automatic reverse feed function | Provided as standard | |
| Power requirement | Single-phase 220~240V | |
| Power consumption | 320VA | 390VA |
| Weight of machine head | 36kg (include motor, control box, cover) | 38kg (include motor, control box, cover) |

*sti/min is the abbreviation for "stitches per minute"

WHEN YOU PLACE ORDERS

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

DLM5400NDD□7□□□□□□□K

| Sub-gauge type | Code | Wiper and automatic reverse feed function | Code | Auto-lifter (optional) | Code |
|---|------|---|---------------------------------|------------------------|-------|
| Distance between the needle and the knife | | Wiper | Automatic reverse feed function | Not provided | |
| 3.2mm (1/8") standard | D | Provided | Provided | Provided (AK85B) | AK85B |
| 4.8mm (3/16") | F | | | | |
| 6.4mm (1/4") | H | | | | |

DMN5420NDD□□7□□□□□□□K

| Sub-gauge type | Code | Feed dog | Code | Wiper and automatic reverse feed function | Code | Auto-lifter (optional) | Code |
|---|------|----------|------|---|---------------------------------|------------------------|-------|
| Distance between the needle and the knife | | Standard | A | Wiper | Automatic reverse feed function | Not provided | |
| 3.2mm (1/8") standard | D | | | Provided | Provided | Provided (AK85B) | AK85B |
| 4.8mm (3/16") | F | | | | | | |
| 6.4mm (1/4") | H | | | | | | |

JUKI ECO PRODUCTS The DLM-5400NDD-7 and DMN-5420NDD-7 are eco-friendly products 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.

For details of JUKI ECO PRODUCTS, refer to: <https://www.juki.co.jp/en/company/eco>

*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 Guideline is the voluntarily established criteria to eliminate not only the aforementioned six substances, but also other ones which also adversely affect the environment.



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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.
 * Paper from responsible sources FSC™ C001712

Registered Organization : JUKI CORPORATION Head Office
 The Scope of the Registration : The activities of research, development, design, sales, distribution, and maintenance services of industrial sewing machines, household sewing machines and industrial robots, etc., including sales and maintenance services of data entry systems.

With its highly operable knife mechanism, the machine helps promote the production of upgraded-quality products while increasing efficiency.

Energy-saving servomotor is installed in the direct-drive style.

Highly-functional control panel

The control panel which belongs equivalently to the highly-functional CP-180 family is built into the control box. With this panel, various sewing data ranging from the sewing speed to the production support functions can be adjusted. In addition, the control panel has been newly provided with a password lock function to restrict panel operation. The machine may be used simply by entering any given passcode number.

Compact and small energy-saving direct-drive motor

Compared with conventional V-belt driven sewing machines, sewing machines driven by direct drive motors save more than 13% of power consumption.



Provided with a password lock function

The stitch quality is consistent even during high-speed operation.

Capable of high-speed sewing, it can also flexibly respond to various applications, thus leading to higher productivity.



The knife is sharp enough to cut any type of material.

The knife is capable of cutting any kind of material regardless of its thickness or toughness, including heavy-weight material, elastic material and brushing material.



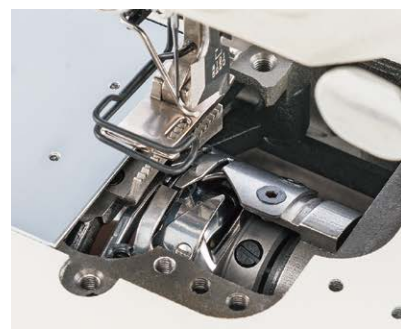
The one-touch utility knife lever enhances the comfort of operation.

Since the knife lever has been plated so as to prevent rust, there is no need to worry about the material becoming soiled with rust.



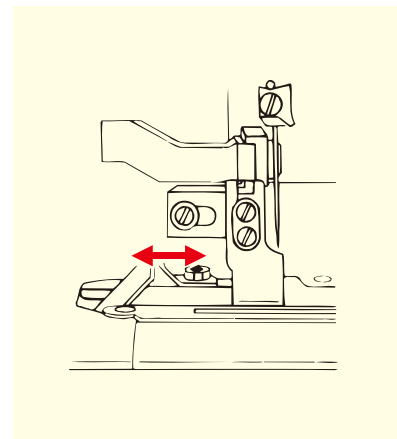
Sure thread trimming mechanism.

The thread trimmer is designed to cut various threads of different thicknesses, so the range of the applicable thread thickness number has been widened. The thread trimmer can therefore cut even a thick thread with ease.



Adjustment of the position of the cloth trimming knife.

The cloth trimming knife has been designed so that it can move as much as 5.5mm toward you from the center of the needle.



DLM-5400NDD-7

SUB-GAUGE SET LIST

| Specifications of the sub-gauge | Gauge width | Throat plate | Throat plate cover (asm.) | Gauge | Throat plate chip guard | Chip guide | Hinging presser (asm.) | Feed dog | Knife |
|---|-----------------|--------------|---------------------------|----------------|-------------------------|------------|------------------------|----------------|---------------|
| D | 3.2mm (1/8") | 113-46004 | B1115-531-0AD | B1190-522-S00 | 113-46905 | 113-46400 | B1524-530-DB0 | B1613-522-N00A | B4121-522-000 |
| F | 4.8mm (3/16") | 113-46004 | B1115-530-0AF | B1190-522-T00 | 113-46905 | 113-46400 | B1524-530-EB0 | B1613-522-N00A | B4121-522-000 |
| H | 6.4mm (1/4") | 113-46004 | B1115-530-0AF | B1190-522-U00 | 113-47101 | 113-46509 | B1524-530-GB0 | B1613-522-W00A | B4121-522-000 |
| ■ This is made to order as an auxiliary part only. | | | | | | | | | |
| **C | 2.4mm (3/32") | 113-46004 | B1115-531-0AD | B1190-522-X00 | 113-46905 | 113-46400 | B1524-530-DB0 | B1613-522-N00A | B4121-522-000 |
| **CA | 2.0mm (5/64") | 113-46004 | B1115-531-0AD | B1190-522-Y0A | 113-46905 | 113-46400 | B1524-530-CB0 | B1613-522-N00A | B4145-530-C00 |
| CB | 2.4mm (3/32") | 113-46004 | B1115-531-0AD | B1190-522-X0B | 113-46905 | 113-46400 | B1524-530-DB0 | B1613-522-N0C | B4121-522-000 |
| E | 4.0mm (5/32") | 113-46004 | B1115-531-0AD | B1190-522-Y00 | 113-46905 | 113-46400 | B1524-530-EB0 | B1613-522-N00A | B4121-522-000 |
| EA | 4.0mm (5/32") | 113-46004 | B1115-531-0AD | 113-62753 | 113-46905 | 113-46400 | B1524-530-EB0 | B1613-522-N00A | B4121-522-000 |
| FA | 4.8mm (3/16") | 113-46004 | B1115-530-0AF | B1190-522-T0A | 113-46905 | 113-46400 | B1524-530-EB0 | B1613-522-N00A | B4121-522-000 |
| FB | 4.8mm (3/16") | 113-46004 | B1115-530-0AF | B1190-522-Y0C | 113-46905 | 113-46400 | B1524-530-EB0 | B1613-522-N00A | B4121-522-000 |
| G | 5.3mm (27/128") | 113-46004 | B1115-530-0AF | B1190-522-Y0F | 113-47101 | 113-46400 | B1524-530-GB0 | B1613-522-N00A | B4121-522-000 |
| HA | 6.4mm (1/4") | 113-46301 | B1115-530-0AF | B1190-522-U0AA | 113-47101 | 113-46509 | B1524-530-GB0 | B1613-522-A0AA | B4121-522-000 |
| K | 7.9mm (5/16") | 113-46004 | B1115-530-0AF | B1190-522-Y0B | 113-47101 | 113-46509 | B1524-530-GB0 | B1613-522-W00A | B4121-522-000 |
| M | 9.5mm (3/8") | 113-46004 | B1115-530-0AM | B1190-522-V00 | 113-47309 | 113-46509 | B1524-530-GB0 | B1613-522-W00A | B4121-522-000 |
| MA | 9.5mm (3/8") | 113-46004 | B1115-530-0AM | B1190-522-V0A | 113-47309 | 113-46509 | B1524-530-GB0 | B1613-522-B00 | B4121-522-000 |
| *P | 11.1mm (7/16") | 113-46004 | B1115-530-0AM | B1190-522-Y0M | 113-47309 | 113-46608 | B1524-530-GB0 | B1613-522-W00A | B4121-522-000 |

*Knife support replacement B4118-530-00A knife attaching block replacement B4119-530-00A are also available.
**Wiper cannot be attached to the C and CA type of sub-gauges.

DMN-5420NDD-7

SUB-GAUGE SET LIST

| Specifications of the sub-gauge | Gauge width | Throat plate | Throat plate cover (asm.) | Gauge | Throat plate chip guard | Chip guide | Hinging presser (asm.) | Feed dog | Knife |
|---|----------------|--------------|---------------------------|---------------|-------------------------|------------|------------------------|--------------------------------|---------------|
| **D | 3.2mm (1/8") | 113-46004 | B1115-531-0AD | B1190-530-D00 | 113-46905 | 113-46400 | B1524-530-DB0 | B1609-530-D00 B1609-530-E00 | B4121-522-000 |
| F | 4.8mm (3/16") | 113-46004 | B1115-530-0AF | B1190-530-F00 | 113-46905 | 113-46400 | B1524-530-EB0 | B1609-530-D00 B1609-530-E00 | B4121-522-000 |
| H | 6.4mm (1/4") | 113-46103 | B1115-530-0AF | B1190-530-H00 | 113-47101 | 113-46509 | B1524-530-GB0 | B1609-530-G00 B1609-530-H00 | B4121-522-000 |
| ■ This is made to order as an auxiliary part only. | | | | | | | | | |
| *CA* | 2.0mm (5/64") | 113-46004 | B1115-531-0AD | B1190-530-C0A | 113-46905 | 113-46400 | B1524-530-CB0 | B1609-530-C0A | B4121-530-C00 |
| DA* | 2.8mm (7/64") | 113-46004 | B1115-531-0AD | B1190-530-D0A | 113-46905 | 113-46400 | B1524-530-DB0 | B1609-530-D00 B1609-530-E00 | B4121-522-000 |
| **DC | 3.2mm (1/8") | 113-46004 | B1115-531-0AD | B1190-530-D0C | 113-46905 | 113-46400 | B1524-530-DB0 | B1609-530-D0E | B4121-522-000 |
| DD | 3.2mm (1/8") | 113-46004 | B1115-530-0AD | B1190-530-D0B | 113-46905 | 113-46400 | B1524-530-DBA | B1609-530-J00 | B4121-522-000 |
| E | 4.0mm (5/32") | 113-46004 | B1115-530-0AF | B1190-530-E00 | 113-46905 | 113-46400 | B1524-530-EB0 | B1609-530-D00 B1609-530-E00 | B4121-522-000 |
| G | 5.6mm (7/32") | 113-46004 | B1115-530-0AF | B1190-530-G00 | 113-47101 | 113-46400 | B1524-530-GB0 | B1609-530-G00 B1609-530-H00 | B4121-522-000 |
| J | 7.1mm (9/32") | 113-46103 | B1115-530-0AF | B1190-530-J00 | 113-47101 | 113-46509 | B1524-530-GB0 | B1609-530-G00 B1609-530-H00 | B4121-522-000 |
| JA | 7.5mm (19/64") | 113-46103 | B1115-530-0AF | B1190-530-J0A | 113-47101 | 113-46509 | B1524-530-GB0 | B1609-530-G00 B1609-530-H00 | B4121-522-000 |
| K | 7.9mm (5/16") | 113-46103 | B1115-530-0AM | B1190-530-K00 | 113-47309 | 113-46509 | B1524-530-GB0 | B1609-530-G00 B1609-530-H00 | B4121-522-000 |
| M | 9.5mm (3/8") | 113-46103 | B1115-530-0AM | B1190-530-M00 | 113-47309 | 113-46509 | B1524-530-GB0 | B1609-530-G00 B1609-530-H00 | B4121-522-000 |

* Be sure to use this gauge with the stitch length set to 2mm or less.
** Be sure to use this gauge with the stitch length set to 2.5mm or less.
* Wiper cannot be attached to the CA and DA type of sub-gauges.