

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

Features

- 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 (Main motor output 400W)	390VA (Main motor output 400W)
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		Wiper and automatic reverse feed function		Auto-lifter (optional)	
Distance between the needle and the knife	Code	Wiper	Automatic reverse feed function	Code	Code
3.2mm (1/8") standard	D	Provided	Provided	WB	Not provided
4.8mm (3/16")	F				Provided (AK85B)
6.4mm (1/4")	H				AK85B

DMN5420NDD 7 K

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

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.



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.

JUKI

JUKI CORPORATION
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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

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.



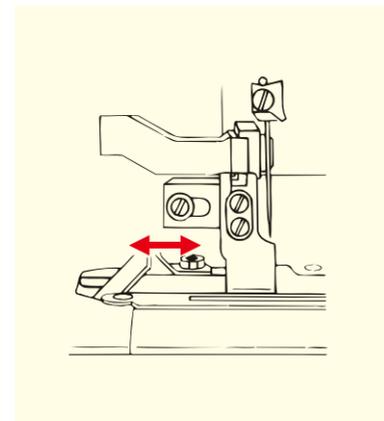
Sure thread trimming mechanism.

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.



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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.

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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.