

2-needle, Unison-feed, Lockstitch Machine with Vertical-axis Large Hooks
[Gauge for standard]

LU-1560N (with automatic lubricating mechanism)

LU-1560N-7 (with automatic lubricating mechanism
and automatic thread trimmer)

LU-1565N (with organized split needle bar)

[Gauge for LU-2200]

LU-1561N

LU-1561N-7 (with automatic lubricating mechanism
and automatic thread trimmer)

- The new mechanism with a rectangular feeding motion promises consistent feed of materials of all thickness without the risk of stitch gathering.

The reduced lift of the feed dog helps prevent the material from flopping and reduces operating noise and vibration.

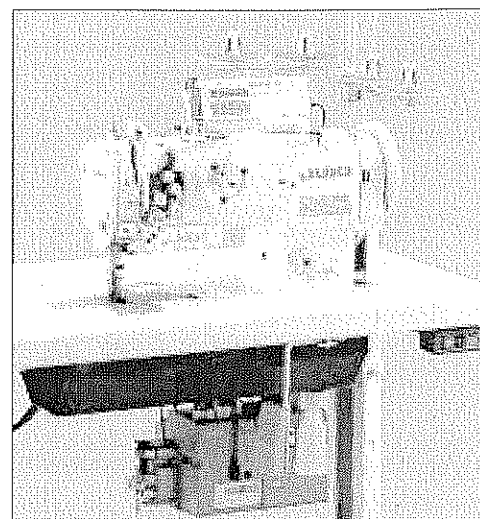
• **Rectangular feed** •

Compared with the elliptical feed, the rectangular feed helps reduce gathered stitches.

- With the adoption of a new rectangular feed mechanism, an alternating vertical movement mechanism, and a unison feed mechanism, the machine can feed heavy materials powerfully and smoothly. Well tensed seams are consistently produced without pitch errors.

● **LU-1560N, LU-1561N, LU-1560N-7, LU-1561N-7**

- Automatic lubricating mechanism improves maintainability. The sub oil pan and double filter prevent dust from entering the oil.



LU-1560N-7-0BBAA/XC-E500

● **LU-1560N-7, LU-1561N-7**

- The machine comes with JUKI's proven thread trimming mechanism. With its robust knife and cam configuration, the thread trimmer reliably cuts threads as thick as #5.

● **LU-1565N**

- The organized split needle bar mechanism makes it possible to stop or reset the left or right needle by operating a one-touch utility lever.
- The machine produces neatly finished stitches at corner parts of the material.

SPECIFICATIONS

Model name	LU-1560N	LU-1561N	LU-1560N-7	LU-1561N-7	LU-1565N
	• •		With automatic thread trimmer		With organized split needle bar
Application	For heavy materials				
Max. sewing speed	2,500rpm				2,000rpm
Max. stitch length	9mm (Normal/Reverse feed)				
Needle bar stroke	36mm				33.4mm
Lift of the presser foot	By hand: 9mm, By knee: 16mm (max.)		By hand: 9mm, Auto: 16mm		By hand: 9mm, By knee: 13mm (max.)
Auto-lifter	Option		Provided as standard (Pneumatic auto-lifter: AK123B)		Option
Needle gauge	4.8mm, 6.4mm, 7.9mm, 9.5mm, 12.7mm (3/16, 1/4, 5/16, 3/8, 1/2)	6mm, 8mm, 10mm, 12mm	4.8mm, 6.4mm, 7.9mm, 9.5mm, 12.7mm (3/16, 1/4, 5/16, 3/8, 1/2)	6mm, 8mm, 10mm, 12mm	4.8mm, 6.4mm, 7.9mm (3/16, 1/4, 5/16)
Organized split needle bar	• •				Provided as standard
Alternating vertical movement	2.5• 6.5mm		1• 6.5mm		2.5• 6.5mm
Dial for adjustment of alternating vertical movement	• •		Provided as standard		• •
Thread take-up	Slide type				
Hook	Vertical-axis double-capacity hook				
Needle (at the time of delivery)	135• 17 (Nm160) Nm125• Nm180				
Thread	#30• #5, B46• B138, Nm=60/3• 20/3				
Locus of feed	Rectangular feed				
Needle thread tension box	Single-tension method				
Pitch changing method	By dial				
Bobbin thread winder	Built on the machine head				
Knee-lifter mechanism	Built on the machine head		• •		Built on the machine head
Safety mechanism	Provided as standard (Reset with the push of a button)				
Lubrication	Automatic				By an oiler (hook: automatic)
Lubricating oil	JUKI New Defrix Oil No.2 (equivalent to ISO VG32)				
Distance from needle to machine arm	255mm				
Bed size	517mm• 178mm				
Weight of the machine head	45kg		51kg		45kg
Automatic reverse feed function	Option		Provided as standard		• •
Compressed air and air consumption	• •		0.5MPa (5kg/cm ²) • 0.3Nℓ /min		• •
Power requirement	• •		Single-phase 100• 120V, 220• 240V 3-phase 200• 220V, 220• 240V		• •
Power consumption	• •		550VA		• ••



WHEN YOU PLACE ORDERS

Series for Standard

[Without automatic thread trimmer]

Needle gauge	Code
4.8mm (3/16")	D
6.4mm (1/4")	F
7.9mm (5/16")	H
9.5mm (3/8")	K
12.7mm (1/2")	L

LU1560N

Presser foot	Code
Standard	S
Center guide	A*

* For the gauge groups H, K and L only, the presser foot group A (equipped with center guide) can be selected.

[With automatic thread trimmer]

Needle gauge	Code
4.8mm (3/16")	D
6.4mm (1/4")	F
7.9mm (5/16")	H

LU1565N

Needle gauge	Code
4.8mm (3/16")	D
6.4mm (1/4")	F
7.9mm (5/16")	H
9.5mm (3/8")	K
12.7mm (1/2")	L

LU1560N 70BB

DL device	Code
Not provided	Z
Provided	A

Pneumatic auto-lifter	Code
Pedal switch type (AK123B)	B

Option	Code
Not provided	Z
AE-10 (Bobbin thread remaining amount detecting device)	A

— Needle gauge correspondence table —

(1) The needle gauges marked with a circle (•) in the table below are prepared as optional parts (separately available).

(2) The needle gauges marked with a circle (•) are selectable at the time the order is placed.

● LU-1560N Series

Model name	Needle gauge	3.2mm (1/8")	4.8mm (3/16")	6.4mm (1/4")	7.9mm (5/16")	9.5mm (3/8")	12.7mm (1/2")	15.9mm (5/8")	19.1mm (3/4")	22.2mm (7/8")	25.4mm (1")	28.6mm (1-1/8")	31.8mm (1-1/4")
	Code	•	D	F	H	K	L	•	•	•	•	•	•
LU-1560N		•	•	•	•	•	•	•	•	•	•	•	•
LU-1560N-7		•	•	•	•	•	•	•	•	•	•	•	•
LU-1565N		•	•	•	•	•	•	•	•	•	•	•	•

Series for LU-2200

[Without automatic thread trimmer]

LU1561N

Needle gauge	Code
6mm	B
8mm	C
10mm	D
12mm	E

[With automatic thread trimmer]

Pneumatic auto-lifter	Code
Pedal switch type (AK123B)	B

LU1561N 70BB

Needle gauge	Code
6mm	B
8mm	C
10mm	D
12mm	E

DL device	Code
Not provided	Z
Provided	A

Option	Code
Not provided	Z
AE-10 (Bobbin thread remaining amount detecting device)	A

— Needle gauge correspondence table —

(1) The needle gauges marked with a circle (•) in the table below are prepared as optional parts (separately available).

(2) The needle gauges marked with a circle (•) are selectable at the time the order is placed.

● LU-1561N Series

Model name	Needle gauge	4mm	6mm	8mm	10mm	12mm	14mm	16mm	18mm	20mm	22mm	24mm	26mm	30mm
	Code	•	B	C	D	E	•	•	•	•	•	•	•	•
LU-1561N		•	•	•	•	•	•	•	•	•	•	•	•	•
LU-1561N-7		•	•	•	•	•	•	•	•	•	•	•	•	•

● PSC box/operation panel for SC

SC380

	PSC box	Code
For General	Single-phase	220• 240V
Export	3-phase	200• 220V
For JUS(LA)*	Single-phase	110• 120V
	3-phase	220• 240V
For CE	Single-phase	220• 240V

	Operation panel	Code
Not provided		00000
Operation panel display language: English.		E500B
Instruction manual comes in three different languages.		E500C
Operation panel display language: English.		E500C
Instruction manual comes in five different languages.		E500C

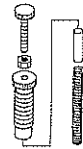
● Motor for SC

M

	Motor	Code
For General	Single-phase	200• 240V
Export	3-phase	200• 240V
For JUS(LA)*	Single-phase	100• 120V
	3-phase	200• 240V
For CE	Single-phase	200• 240V

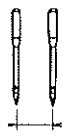
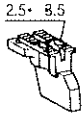
* JUS: North America and Central and South America.

OPTIONS

Model	Part No.	Description		Feature
DL21 (G kit)	GDL-21000GA0	For installed after the setup of the machine		Applicable model: LU-1560N-7, LU-1561N-7 For sewing processes that handle heavy materials or multi-layered parts of material, the alternating vertical movements of the walking foot and presser foot can be quickly set to maximum by pressing the DL switch. The result is beautiful seams free from gathered stitches. The machine is provided with both hand switch and knee switch.
AE-10 (Kit B)	GAE-10000BA0	For installed after the setup of the machine		The bobbin thread remaining-amount detecting device warns the operator with a buzzing sound and lamp indication of the time for bobbin thread replacement. This allows the operator to concentrate on sewing work without concern for the remaining amount of bobbin thread. Since the device directly detects the bobbin thread amount remaining, cumbersome setting is no longer required regardless of the material, thread and process.
AK119A	GAK-A19010A0	Knee switch type	Pneumatic auto-lifter	Applicable model: LU-1560N, LU-1561N, LU-1565N
AK119B	GAK-A19010B0	Pedal switch type		
AK120A	GAK-A20010A0	Knee switch type	Pneumatic auto-lifter (provided with air regulator)	
AK120B	GAK-A20010B0	Pedal switch type		
• • •	213-48552	Pneumatic one-touch type reverse feed stitching device (provided with air regulator)		Applicable model: LU-1560N, LU-1561N, LU-1565N • To use auto-lifter and reverse feed stitching device in combination, select AK119A or AK119B
H152	MAH-152010A0	Suspended ruler		
	SS-7151610-SP• 2			
	WP-0621016-SD• 2			
	WP-0610002-KN• 2			
PK75	• • •	3-pedal unit		Applicable model: LU-1560N-7, LU-1561N-7 Highly operable 3-pedal unit for standing work.
• •	210-06507	Additional spring for presser bar		
	NS-6110530-SP			
	210-06408			
	210-16101			
	210-06002• 8			

EXCHANGEABLE GAUGE PARTS

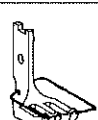
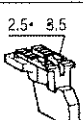
LU-1560N

Code	Needle gauge size	Throat plate	Needle clamp asm.	Presser foot asm.	Walking foot asm. Needle hole • 2.5 with groove	Feed dog Needle hole • 2.5 • 3.5	Slide plate, left	Slide plate, right
								
• •	3.2mm (1/8")	213-68709	213-71554	213-70853	213-72255	213-69400	213-65606	213-65002
D	4.8mm (3/16")	213-66109	213-68154	213-67651	213-72354	213-66604		
F	6.4mm (1/4")	213-66208	213-68253	213-67750	213-72453	213-66703		
H	7.9mm (5/16")	213-66307	213-68352	213-67859	213-72552	213-66802		
K	9.5mm (3/8")	213-66406	213-68451	213-67958	213-72651	213-66901		
L	12.7mm (1/2")	213-66505	213-68550	213-68055	213-72750	213-67008	213-65705	213-65101
• • •	15.9mm (5/8")	213-68808	213-71653	213-70952	213-72859	213-69509		
• • •	19.1mm (3/4")	213-68907	213-71752	213-71059	213-72958	213-69608		
• • •	22.2mm (7/8")	213-69004	213-71851	213-71158	213-73055	213-69707	213-65804	213-65200
• • •	25.4mm (1")	213-69103	213-71950	213-71257	213-73154	213-69806		
• • •	28.6mm (1-1/8")	213-69202	213-72057	213-71356	213-73253	213-69905		
• • •	31.8mm (1-1/4")	213-69301	213-72156	213-71455	213-73352	213-70002		

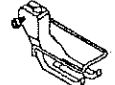
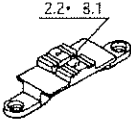
LU-1560N

Code	Needle gauge size	Walking foot asm. Needle hole • 2.6 • 7 slit
		 (option)
• •	3.2mm (1/8")	213-73451
D	4.8mm (3/16")	213-73550
F	6.4mm (1/4")	213-73659
H	7.9mm (5/16")	213-73758
K	9.5mm (3/8")	213-73857
L	12.7mm (1/2")	213-73956
• •	15.9mm (5/8")	213-74053
• • •	19.1mm (3/4")	213-74152
• • •	22.2mm (7/8")	213-74251
• • •	25.4mm (1")	213-74350
• • •	28.6mm (1-1/8")	213-74459
• • •	31.8mm (1-1/4")	213-74558

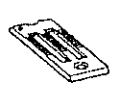
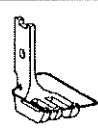
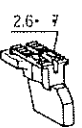
LU-1560N-7

Code	Needle gauge size	Throat plate	Needle clamp asm.	Presser foot asm.	Walking foot asm. Needle hole • 2.5	Feed dog Needle hole • 2.5 • 3.5	Slide plate, left	Slide plate, right
								
• •	3.2mm (1/8")	213-68709	213-71554	213-70853	213-70150	213-69400	213-65606	213-65002
D	4.8mm (3/16")	213-66109	213-68154	213-67651	213-67156	213-66604		
F	6.4mm (1/4")	213-66208	213-68253	213-67750	213-67255	213-66703		
H	7.9mm (5/16")	213-66307	213-68352	213-67859	213-67354	213-66802		
K	9.5mm (3/8")	213-66406	213-68451	213-67958	213-67453	213-66901		
L	12.7mm (1/2")	213-66505	213-68550	213-68055	213-67552	213-67008	213-65705	213-65101
• •	15.9mm (5/8")	213-68808	213-71653	213-70952	213-70259	213-69509		
• •	19.1mm (3/4")	213-68907	213-71752	213-71059	213-70358	213-69608		
• •	22.2mm (7/8")	213-69004	213-71851	213-71158	213-70457	213-69707	213-65804	213-65200
• •	25.4mm (1")	213-69103	213-71950	213-71257	213-70556	213-69806		
• • •	28.6mm (1-1/8")	213-69202	213-72057	213-71356	213-70655	213-69905		

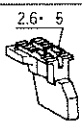
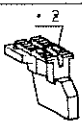
LU-1561N, LU-1561N-7

Code	Needle gauge size	Throat plate	Needle clamp asm.	Presser foot asm.	Walking foot asm.	Feed dog Needle hole • 2.2• 8.1	Slide plate, left	Slide plate, right
								
• •	4mm	214-52800	107-77555	107-81557	107-83058	107-80005	107-86309	107-01803
B	6mm	214-52909	107-77654	107-81656	107-83157	107-80104		
C	8mm	214-53006	107-77753	107-81755	107-83256	107-80203		107-86002
D	10mm	214-53105	107-77852	107-81854	107-83355	107-80302		
E	12mm	214-53204	107-77951	107-81953	107-83454	107-80401	107-86408	107-86002
• •	14mm	214-53303	107-78058	107-82050	107-83553	107-80500		
• •	16mm	241-53402	107-78157	107-82159	107-83652	107-80609		
• •	18mm	214-53501	107-78256	107-82258	107-83751	107-80708		
• •	20mm	241-53600	107-78355	107-82357	107-83850	107-80807	107-86507	107-86101
• •	22mm	241-53709	107-78454	107-82456	107-83959	107-80906		
• •	24mm	241-53808	107-78553	107-82555	107-84056	107-81003		
• •	26mm	214-53907	107-78900	107-82951	107-84452	107-81409		
• ...	30mm	214-54004	107-78603	107-82654	107-84155	107-81102		

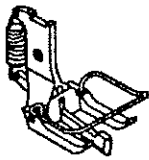
LU-1565N

Code	Needle gauge size	Throat plate	Needle clamp asm., left	Needle clamp asm., right	Presser foot asm.	Walking foot asm. Needle hole • 2.6• 7 with groove & teeth	Feed dog Needle hole • 2.6• 7
							
D	4.8mm (3/16")	B1109-521-D00	B1402-526-DALA	B1402-526-DARA	213-67651	B1470-521-D00	B1613-521-D00
F	6.4mm (1/4")	B1109-521-F00	B1402-526-FALA	B1402-526-FARA	213-67750	B1470-521-F00	B1613-521-F00
H	7.9mm (5/16")	B1109-521-H00	B1402-526-HALA	B1402-526-HARA	213-67859	B1470-521-H00	B1613-521-H00
• •	9.5mm (3/8")	B1109-521-K00	B1402-526-KALA	B1402-526-KARA	213-67958	B1470-521-K00	B1613-521-K00
• ...	12.7mm (1/2")	B1109-521-L00	B1402-526-LALA	B1402-526-LARA	213-68055	B1470-521-L00	B1613-521-L00

LU-1565N

Code	Needle gauge size	Slide plate, left	Slide plate, right	Walking foot asm. Needle hole • 2.6• 7 slit	Feed dog Needle hole • 2.6• 5	Feed dog Needle hole • 2
				 (option)	 (option)	 (option)
D	4.8mm (3/16")	B1112-521-E00	213-77304	213-73550	B1613-521-D0A	B1613-521-D0B
F	6.4mm (1/4")			213-73659	B1613-521-F0A	B1613-521-F0B
H	7.9mm (5/16")			213-73758	B1613-521-H0A	B1613-521-H0B
• •	9.5mm (3/8")			213-73857	B1613-521-K0A	B1613-521-K0B
• ...	12.7mm (1/2")	B1112-521-J00		213-73956	B1613-521-L0A	B1613-521-L0B

LU-1560N, LU-1560N-7, LU-1565N (option)

Description	Presser foot asm.	Walking foot asm.	Notes
Upper fittings for french-seam (with center guide)		(a) 213-72552 (needle hole: • 2.5) (with groove) (b) 213-72651 (needle hole: • 2.5) (with groove) (c) 213-72750 (needle hole: • 2.5) (with groove)	For LU-1560N and LU-1565N. Needle distance: (a) 7.9mm (5/16") (b) 9.5mm (3/8") (c) ... 12.7mm (1/2")
		(a) 213-67354 (needle hole: • 2.5) (b) 213-67453 (needle hole: • 2.5) (c) 213-67552 (needle hole: • 2.5)	For LU-1560N-7. Needle distance: (a) 7.9mm (5/16") (b) 9.5mm (3/8") (c) ... 12.7mm (1/2")

