

2-needle, Lockstitch Machine

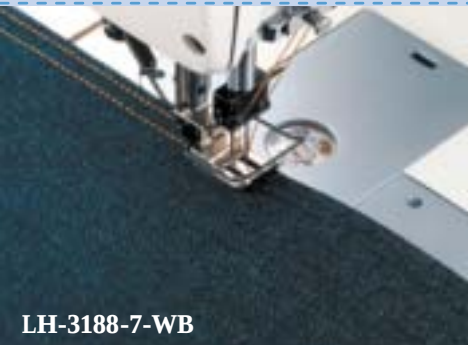
LH-3100 SERIES



LH-3128



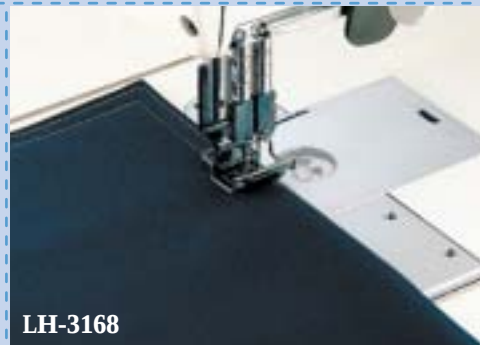
LH-3128-7-WB/CP-160B



LH-3188-7-WB



LH-3128



LH-3168



LH-3188-7-WB/CP-160B



LH-3168

The newly introduced LH-3100 series ensures both beautifully and consistently finished seams and a higher degree of ease of operation.

2-needle, Needle-feed, Lockstitch Machine

LH-3128

LH-3128-7 (with automatic thread trimmer)

- The tension applied to the bobbin thread has been reduced and the needle thread path has been thoroughly renovated to achieve highly consistent feed of the needle thread. Puckering, stitch skipping, thread breakage and isolated idling loops can be therefore prevented, enabling the machine to produce beautifully finished seams with consistency.
- After the gauge has been replaced, the machine can be adapted to the newly installed gauge only by adjusting the clearance provided between the blade point of the hook and the needle. In this case, it is not necessary to change the hook timing in accordance with the gauge. As a result, the length of time required to replace the gauge is dramatically reduced.



LH-3128-7-WB/CP-160B

2-needle, Needle-feed, Lockstitch Machine with Organized Split Needle Bar

LH-3168

LH-3168-7

(with automatic thread trimmer)

- The organized split needle bars which enable either the left or right needle to stop independently of the other can be changed over by simply operating the lever, thereby saving labor in corner stitching.



2-needle, Needle-feed, Lockstitch Machine with Large Hooks

LH-3178

LH-3178-7

(with automatic thread trimmer)

- Our investigation of the thread take-up stroke and other mechanisms results in the reduction of irregular stitches. Even at high speed, the machine performs sewing as consistently as the standard hook machine. The machine can make the most out of the advantageous features of the large hook, upgrading the finished quality of heavy-weight materials and improving efficiency.

2-needle, Needle-feed, Lockstitch Machine with Organized Split Needle Bar and Large Hooks

LH-3188

LH-3188-7 (with automatic thread trimmer)

- 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.
- Improved thread tension and presser foot dramatically upgrades the seam adjusting ability.
The range of thread counts that can be used is widened.



LH-3188-7-WB/CP-160B

2-needle, Bottom-feed, Lockstitch Machine

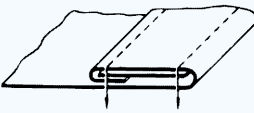
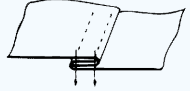
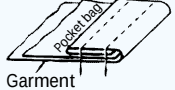
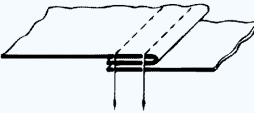
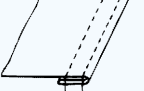
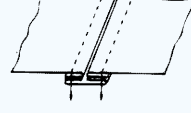
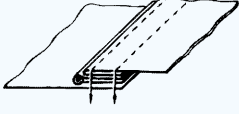
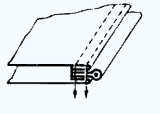
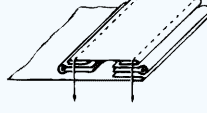
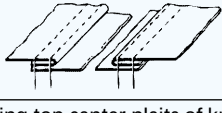
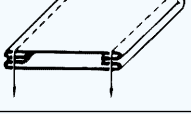
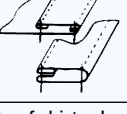
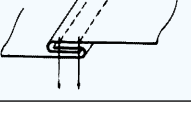
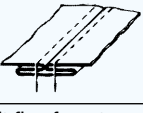
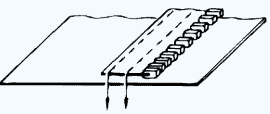
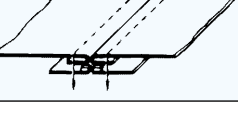
LH-3120

- The machine has adopted a bottom-feed mechanism. This enables the machine to perform sewing with a low tension applied to the material while preventing puckering and stitch skipping, thereby improving consistency of seam quality.
- The machine is capable of adapting to the sewing of light-weight materials and newly-developed materials. This means that the machine is exceedingly effective to the process to sew top center plaits of shirts and the sewing of foundation.



LH-3120

ATTACHMENTS

Name (Code No.)	Application and seam specifications	Applicable machines	Name (Code No.)	Application and seam specifications	Applicable machines
Top center plait hemmer (mousetrap latch type) (L030)	For making top center plait on men's shirts and hemming seats bed covers, etc. 	A type S type	Lapping seam folder (reverse) (M171)	For lapping seam in the various joining process including seaming sides of jeans, work uniforms, pantaloons etc. 	S type G type
Pocket hemmer sewing type (L032)	For hemming side pocket mouth of jeans, work uniforms etc. and hemming bottom of pants 	S type G type	Left feed top stitch folder (M024)	For seaming sides 	S type G type
Downturn hemmer (L045)	For sewing outside pocket mouth of jeans, work uniforms, etc. 	S type G type	Right feed top stitch folder (M025)	For seaming sides 	S type G type
Pocket binder (clean finish top and bottom) (N054)	To tape attaching process to bind edges of pocket bags of slacks, pants, skirts, etc. 	S type	Tape attaching foot with center guide (B006)	For opening seam of brassieres, body suits etc. 	LH-3128F A type S type
Top center plait (folder) (M315)	For attaching formal top center plait on men's shirts, etc. 	A type S type	Sewing edge guide (H010)	For opening seam of brassieres, body suits etc. 	LH-3128F A type S type
Center plait folder (from neck down) (M037)	For making front facing from the neck side. 	A type S type	Sewing roller guide (H011)	Edge guide applicable to runstitching process and decorative stitching process 	S type G type
Right feed piping folder (M137)	To the process for sewing decorative pipings on sports wear, work uniforms, etc. 	S type G type	Sewing roller guide (H011)	Edge guide for runstitch process using vinylcoated cloth or man-made leather. 	S type G type
Pajama piping folder (M163)	For sewing pipings on the edges of pockets, top-center plaits, bottoms, sleeves, etc. of pajamas. 	A type S type	Presser foot with guide (B009)	Lapping seam process and counterstitching process for denim, drill, wool, gabardine, etc. 	S type G type
Belt folder (turnable mousetrap latch type) (N012)	For making belts including shoulder straps of children's rompers, belts of ladies' overcoats etc. 	S type G type	Compensating presser foot (B020)	For making top center plaits of knit shirts, blouses, etc. and for making belts of ladies' wear 	S type G type
Lapping seam folder (M170)	For lapping seam in the various joining process including joining sides of jeans, work uniforms, pantaloons etc. 	S type G type	Box pleats folder (small type) (M009)	For sewing box pleats of skirts, box pleats at the back center of ladies' overcoats, sewing box pleats of office uniforms, work uniforms, etc. 	LH-3128
			Zipper guide (Q090)	For runstitching left fly of pants and zippers 	S type
			Zipper folder (S004B)	Attaching zippers on skirts, jumpers, matcovers, etc. 	LH-3128S

*The part numbers are designated according to needle gauge and specification.

Be sure to confirm the part number of the attachment you need when placing your order with us.

SPECIFICATIONS

● Without automatic thread trimmer

Model name	LH-3120A	LH-3128A	LH-3128S	LH-3128G
Feed system	Bottom-feed	Needle-feed		
Application	For light-weight materials	For light-weight materials	For medium-weight materials	For jeans and heavy-weight materials
Max. sewing speed	3,000rpm			
Max. stitch length	4mm (normal/reverse feed)	5mm (normal/reverse feed)		
Thread take-up	Slide type			
Needle bar stroke	33.4mm			
Lift of the presser foot	By hand: 5.5mm, By knee: 12mm			
Hook	Vertical-axis regular hook			
Needle (at the time of delivery)	DP×5 (#9) #9～#14	DP×5 (#9) #9～#14	DP×5 (#14) #11～#18	DP×5 (#21) #18～#22
Organized split needle bar mechanism	Not provided			
Lubrication	Fully automatic lubrication system by means of plunger pump			
Lubricating oil	JUKI New Defrix Oil No.2 (equivalent to ISO VG32)			
Distance from needle to machine arm	245mm			
Bed size	517mm×178mm			
Weight of the machine head	38kg			

Model name	LH-3168A	LH-3168S	LH-3168G	LH-3178S	LH-3178G	LH-3188G
Feed system	Needle-feed					
Application	For light-weight materials	For medium-weight materials	For jeans and heavy-weight materials	For medium-weight materials	For jeans and heavy-weight materials	
Max. sewing speed	3,000rpm					
Max. stitch length	5mm (normal/reverse feed)					
Thread take-up	Slide type					
Needle bar stroke	33.4mm					
Lift of the presser foot	By hand: 5.5mm, By knee: 12mm					
Hook	Vertical-axis regular hook			Vertical-axis double-capacity hook		
Needle (at the time of delivery)	DP×5 (#9) #9~#14	DP×5 (#14) #11~#18	DP×5 (#21) #18~#22	DP×5 (#14) #11~#18	DP×5 (#21) #18~#22	
Organized split needle bar mechanism	Provided as standard			Not provided		Provided as standard
Lubrication	Fully automatic lubrication system by means of plunger pump					
Lubricating oil	JUKI New Defrix Oil No.2 (equivalent to ISO VG32)					
Distance from needle to machine arm	245mm					
Bed size	517mm×178mm					
Weight of the machine head	38kg					

● With automatic thread trimmer

Model name	LH-3128A-7	LH-3128S-7	LH-3128G-7
Feed system	Needle-feed		
Application	For light-weight materials	For medium-weight materials	For jeans and heavy-weight materials
Max. sewing speed	3,000rpm		
Max. stitch length	5mm (normal/reverse feed)		
Thread take-up	Slide type		
Needle bar stroke	33.4mm		
Lift of the presser foot	By hand: 5.5mm, By knee: 12mm, By knee lifter with wiper: 9mm		
Hook	Vertical-axis regular hook		
Needle (at the time of delivery)	DP X 5 (#11) #11~#14	DP X 5 (#14) #11~#18	DP X 5 (#21) #18~#22
Organized split needle bar mechanism	Not provided		
Lubrication	Fully automatic lubrication system by means of plunger pump		
Lubricating oil	JUKI New Defrix Oil No.2 (equivalent to ISO VG32)		
Distance from needle to machine arm	245mm		
Bed size	517mm X 178mm		
Weight of the machine head	43kg		
Power requirement Power consumption	Single-phase 100~120V, 200~240V, 3-phase 200~240V/650VA		

Model name	LH-3168A-7	LH-3168S-7	LH-3168G-7	LH-3178S-7	LH-3178G-7	LH-3188G-7
Feed system	Needle-feed					
Application	For light-weight materials	For medium-weight materials	For jeans and heavy-weight materials	For medium-weight materials	For jeans and heavy-weight materials	
Max. sewing speed	3,000rpm					
Max. stitch length	5mm (normal/reverse feed)					
Thread take-up	Slide type					
Needle bar stroke	33.4mm					
Lift of the presser foot	By hand: 5.5mm, By knee: 12mm, By knee lifter with wiper: 9mm					
Hook	Vertical-axis regular hook			Vertical-axis double-capacity hook		
Needle (at the time of delivery)	DP×5 (#11) #11～#14	DP×5 (#14) #11～#18	DP×5 (#21) #18～#22	DP×5 (#14) #11～#18	DP×5 (#21) #18～#22	DP×5 (#21) #18～#22
Organized split needle bar mechanism	Provided as standard			Not provided		Provided as standard
Lubrication	Fully automatic lubrication system by means of plunger pump					
Lubricating oil	JUKI New Defrix Oil No.2 (equivalent to ISO VG32)					
Automatic reverse feed function	Provided as standard					
Distance from needle to machine arm	245mm					
Bed size	517mm×178mm					
Weight of the machine head	43kg					
Power requirement Power consumption	Single-phase 100～120V, 200～240V, 3-phase 200～240V/650VA					

WHEN YOU PLACE ORDERS

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

With automatic thread trimmer

Type	Code	Application	Code	Wiper and automatic reverse feed function	Auto-lifter	Code
Needle-feed	28	For light-weight materials	A	Wiper	Not provided	
Needle-feed with organized split needle bar	68	For medium-weight materials	S	Automatic reverse feed function	Pedal switch type (AK89)	89
Needle-feed with large hooks	78	For jeans and heavy-weight materials	G	Not provided	Not provided	00
Needle-feed with organized split needle bar and large hooks	88			Provided	Provided	0B
				Not provided	Not provided	W0
				Provided	Provided	WB

LH31 7

Code		A	B	C	D	E	F	G	H	K	W	L	M	N	P	Q	R	S	
Model name	Needle gauge	mm	2.4	3.2	4	4.8	5.6	6.4	7.1	7.9	9.5	11.1	12.7	15.9	19.1	22.2	25.4	28.6	31.8
	Spec.	inch	3/32	1/8	5/32	3/16	7/32	1/4	9/32	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1	1-1/8	1-1/4
LH-3128-7	A	○	○	○	○	○	◎	○	○	○	○	○	○	○	○	○	○	○	○
	S			○	○	○	◎	○	○	○	○	○	○	○	○	○	○	○	○
	G				○	○	◎	○	○	○	○	○	○	○	○	○	○	○	○
LH-3168-7	A		○	○	○	○	◎	○	○	○		○	○	○		○			
	S			○	○	○	◎	○	○	○		○	○	○		○			
	G				○	○	◎	○	○	○			○	○		○			
LH-3178-7	S		○	○	○	○	◎	○	○	○		○	○	○		○			
	G				○	○	◎	○	○	○		○							
LH-3188-7	G				○	○	◎	○	○	○		○							

*Gauges marked (○) are standard type. Please contact us for any gauge which is not included in the above table.

PSC box

SC910 S

Control box	Code
Standard	S

PSC box	Code
For JUS (LA)*	Single-phase 100~120V PFL S
For JUS*, General Export	3-phase 200~240V PFL D
For General Export	Single-phase 200~240V PFL K
For EU (CE)	Single-phase 200~240V PFL N
For China	Single-phase 200~240V PFL U

*JUS: North America and Central and South America.

Motor for SC

M91S

Pulley belt	Code
Standard	S

Operation panel

Operation panel	Code
IP-100B	IP100B
CP-160B	CP160B

Newly developed control box/Compact motor unit

SC-910/M91

- SC-910 model control box is resistant to voltage fluctuations. It comes with a compact and energy-saving type switching power supply system that does not use a transformer. This contributes to improved reliability.
- The M-91 model compact motor unit featuring low vibration and low noise capabilities is installed on the control box.
- The number of revolutions can be selected from among three different types (standard, slow and fast) according to the preference of the operator. In addition to this feature, the control box incorporates many different functions for upgraded workability.



The operation panel can be selected according to the process.

IP-100B

- The operation panel has been provided with a large user-friendly LCD. A pictograph and set values are shown on the same screen, which promises improved operability of the panel.
- The operation panel has been provided with a variety of communication and maintenance control features and is able to store data on a SmartMedia or personal computer.
- The features of the operation panel can be updated without the need for changing the PWB/ROM.



CP-160B

- Pattern sewing can be performed by the number of stitch control feature.
- Four different kinds of pattern sewing are possible: automatic reverse stitching, constant-dimension sewing, rectangle-shape sewing, and multi-layer stitching. The maximum number of stitches that can be set for automatic reverse stitching (single or double) is 19.



WHEN YOU PLACE ORDERS

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

● Without automatic thread trimmer

Type	Code
Bottom-feed	20
Needle-feed	28
Needle-feed with organized split needle bar	68
Needle-feed with large hooks	78
Needle-feed with organized split needle bar and large hooks	88

Application	Code
For light-weight materials	A
For medium-weight materials	S
For jeans and heavy-weight materials	G

LH31

Code		A	B	C	D	E	F	G	H	K	W	L	M	N	P	Q	R	S	T	U	
Model name	Needle gauge	mm	2.4	3.2	4	4.8	5.6	6.4	7.1	7.9	9.5	11.1	12.7	15.9	19.1	22.2	25.4	28.6	31.8	34.9	38.1
	Spec.	inch	3/32	1/8	5/32	3/16	7/32	1/4	9/32	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1	1-1/8	1-1/4	1-3/8	1-1/2
LH-3120	A		○		○		◎					○		○	○						
LH-3128	A	○	○	○	○	○	◎	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	S			○	○	○	◎	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	G				○	○	◎	○	○	○	○	○	○	○	○	○	○	○	○	○	○
LH-3168	A		○	○	○	○	◎	○	○	○		○	○	○		○					
	S			○	○	○	◎	○	○	○		○	○	○		○					
	G				○	○	◎	○	○	○		○	○	○		○					
LH-3178	S			○	○	○	◎	○	○	○		○	○	○		○	○	○	○	○	○
	G				○	○	◎	○	○	○		○				○	○	○	○	○	○
LH-3188	G				○	○	◎	○	○	○		○									

*Gauges marked (◎) are standard type. Please contact us for any gauge which is not included in the above table.

● To order, please contact your nearest JUKI distributor.

OPTIONS

Model	Part No.	Description	Feature
AK89	—	Auto-lifter	—
V059	MAV-059000AA	Tension-free feeder (tape feeder)	The amount of tape to be fed can be adjusted in accordance with the sewing speed of the machine. It is adaptable to processes for attaching reinforcement tape, attaching elastic tape or lace to foundation.
AT-36	—	Tape cutter	The tape cutter is able to cut the tape just behind the presser foot (20mm away from the needle entry point). The cutter pressure is adjustable according to the material thickness.
—	226-56854	Automatic reverse feed kit	The automatic reverse feed function device can be mounted on the machine after the setup. (*Synchronizer not included.)
—	232-09059	Micro-lifter	This device can be installed on the back of the face plate. It is very convenient for frequent use.

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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 catalog is printed on recycle paper.



JUKI CORPORATION HEAD OFFICE
The environmental management system to promote and conduct
①the technological and technical research, the development and design of the products in which the environmental impact is considered.
②the conservation of the energy and resources, and the recycling, in the research, development, design, distribution, sale and maintenance service of the industrial sewing machines, household sewing machines and industrial-use robots, etc. and in the purchase, distribution and sale of the household commodities including the healthcare products.