



**SEIKO®**

Since 1942

## JAPAN MADE HEAVY DUTY SEWING MACHINE.

With more than 70 years experience in heavy duty market, we supply many models to be used for various different applications.

INDUSTRIAL SEWING MACHINE CATALOG



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\*Speed depends on threads, materials and type of operation.

\*Specification subject to change without notice.

# MODEL CODE INFORMATION

## BEW -28 BLCS-1-BTFL-CD-DS

MODEL	
C□	CYLINDER BED
P□	POST BED
J□	JUMBO BED
□□□H	HIGH ARM
□D	DOUBLE CHAIN STITCH
□□Z	ZIG-ZAG STITCH
L□ L□□	AUTOMATIC LUBRICATION
B□□	SEALED ANTI-FRICTION BEARING
□H	VERTICAL HOOK
□W □□W	HORIZONTAL HOOK

FEED	
2	UPPER AND LOWER FEED
6	LOWER FEED
7	COMPOUND FEED
8	COMPOUND FEED AND WALKING FOOT

NEEDLE	
□	1-NEEDLE
2□	2-NEEDLE
3□	3-NEEDLE
4□	4-NEEDLE

SUB-CLASS	
B	REVERSE
L	LARGE HOOK
K	SPLIT NEEDLE BAR
M	TRIMMER
V	SYNCHRONIZED BINDER
VMF	FRONT KNIFE AND SYNCHRONIZED BINDER
H	HORIZONTAL LOWER FEED
C	THREAD TRIMMER
CB	SMALL SIZE CYLINDER EDGE
1	MODIFICATION ORDER
2	
3	
20	20 INCH ARM
26	26 INCH ARM
30	30 INCH ARM
R	CLOTH PULLER
TA	THICK THREAD
SF	SLIM POST
LP	LEFT POST
BT	AUTO BACK TACK
FL	AUTO FOOT LIFT
CD	CLIMBING DEVICE
DS	DUAL STITCHING

# BBW series

High speed, Single needle, Compound feed and walking foot,  
Lockstitch machine with automatic thread trimmer,  
Reverse stitch, Automatic back tack, Automatic presser foot lift,  
Climbing device and dual stitching device



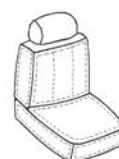
BBW-8BLC-BTFL-CD-DS

## Variety

### **BBW-8BLC-BTFL-CD-DS**

## Applications

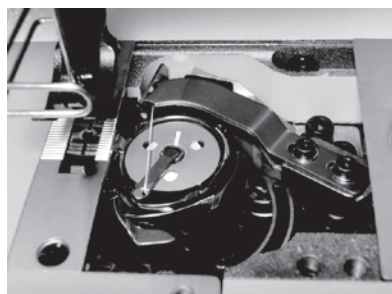
- For sewing medium to heavy weight materials such as leather, vinyl, synthetics and laminated and coated materials
- Suitable for sewing such as automobile upholstery tarpaulins, covers, awnings, tents, umbrellas handbags, luggage, travelware accessories, sports and camping equipment and wearing apparel outdoor clothing.



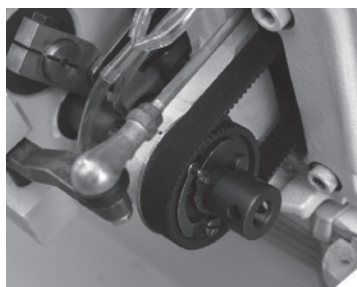


## Features

- Longer stitch length quiet sewing operation
  - \* Max. 9mm for both forward and reverse feed stitching.
  - \* Compound feed and walking foot for positive stitching formation.
  - \* Link-type thread take-up lever mechanism for high speed and quiet sewing operation.
- BBW series are equipped with a large vertical axis hook(1.6 times)
  - \* Large capacity hook minimizes the time to replace the bobbin thread in stitching of thick thread.
  - \* This hook promote highly efficient operation by reducing the frequency of bobbin thread replacement.
- Safety device
  - \* Safety device prevents damage to hook and thread handling parts caused by thread jamming.
- Reliable thread trimming device
  - \* Reliable automatic thread trimming device securely cuts up to #5 thread is equipped.
- One touch switchover for two different stitch lengths (DS device)
  - \* Variety sewing materials such as steps, curves, uneven thickness can be performed by one touch switchover setting two different stitch lengths. The efficient work and beautiful finishes will be obtained.



1.6 times large capacity hook and reliable thread trimming device

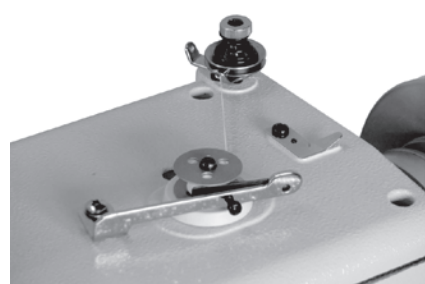


Safety device

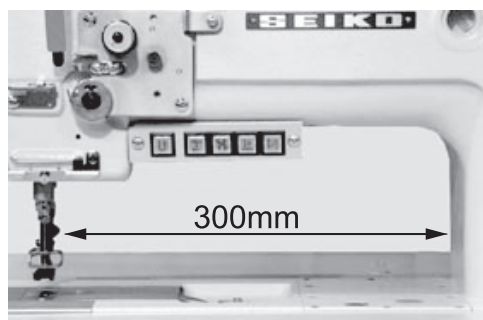


One touch switchover for two different stitch lengths (DS device)

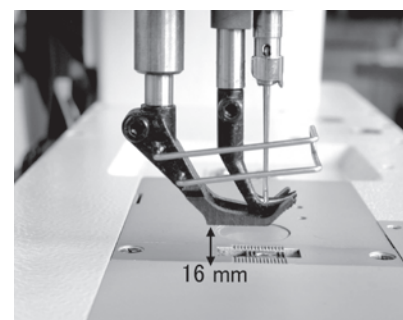
- Built-in bobbin winder
  - \* Built-in bobbin winder makes it possible to wind the bobbin thread during sewing operation.
- Wide working space
  - \* 300 mm working space, from the needle to the sewing machine arm, makes sewing works easy to handle heavy weight and even large materials.
- Large clearance under presser foot
  - \* The clearance under the presser foot (16mm), makes it easy to put heavy weight materials in and out.



Built-in bobbin winder



Wide working space



The clearance under the presser foot (16mm)

- Presser bar lifter
  - \* As the presser bar lifter is located on the right side of the sewing machine, just above the reverse lever, sufficient space is kept behind the presser foot. Due to this, smooth sewing operation even rolled-up materials is guaranteed.



Presser bar lifter

- Simple setting for alternating presser foot movement

- \* Alternating presser foot movement between inner foot and outer foot can be changed simply by the easy-to-handle dial located at the top of the sewing machine.

- \* Once the alternating movements have been set, the sewing speed is automatically controlled to the optimum speed so that stable sewing is maintained.

- Smooth stitching on step section (CD device)

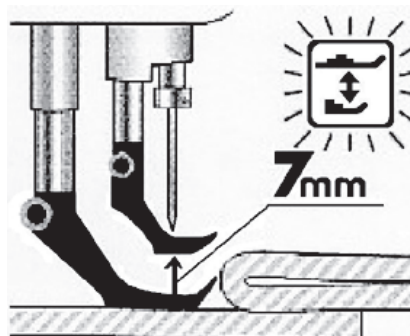
- \* The presser foot movement can be changed to maximum momentum (7mm) by button. Uneven thickness of materials can be smoothly performed changing the movement right before the uneven point.

- 5 operational switches improve working efficiency

- \* 5 switch buttons are panelled on the convenient positions improve the efficient works.



Simple setting for alternating presser foot movement



Smooth stitching on step section (CD device)



5 operational switches



**Quick reverse switch**

- \* During Pressing the switch, sewing machine performs reverse stitching.



**Walking foot movement change switch**

- \* By pressing the switch, the amount of walking foot movement is changed. When the indicating light is on, the movement is set at the maximum (7mm). When the indicating light is off, the movement is set by the walking foot movement dial.



**Auto backtack select switch**

- \* In case of auto backtacking is set beforehand, by pressing the switch, the auto backtacking is released. In case of auto backtacking is not set, by pressing the switch, the auto backtacking performs. (Both are effective only at the first time.)



**Half stitch switch**

- \* When sewing machine stops, the needle position can be changed by pressing the switch at up position or down position as desired.



**Stitch length change switch**

- \* By pressing the switch two different stitch lengths set beforehand can be changed one to the other. When the indicating light is on, the shorter stitch length is available, while the longer stitch is available when the light is off.

## Specifications

Variety	BBW-8BLC-BTFL-CD-DS	
Number of needle	Single needle	
Max. sewing speed	3,500 s.p.m. (Refer to list below)	
Max.stitch length	9 mm	
Clearance under presser foot	by hand	9 mm
	by automatic foot lifter	16 mm
Needle bar stroke	34 mm	
Needle (standard)	135 × 17 #110 - #200 (#160) , DP × 17 #18 - #25 (#23)	
Thread	#30 - #5 (standard #8)	
Hook	Large vertical axis hook (1.6 times)	
Thread length after trimming	27 mm	
Thread take up lever	Link type	
Amount of walking foot movement	1 - 7 mm	
Walking foot movement change switch	Dial type	
Bobbin winder	Built-in type located at the top of the sewing machine	
Auto presser foot lifting device	Pneumatic	
Walking foot movement change device	Pneumatic	
Safety device	standard	
Lubrication	Automatic lubrication type	
Bed size / Working space	567 × 177 mm / 300 × 120 mm	
Net weight (Head only)	51 Kg	
Motor	AC Servo motor	

NOTE: (1) Speed depends on threads, materials and type of operation  
(2) Specifications subject to change without notice

## Sewing speed range

Amount of walking foot movement	Stitch length	
	6 mm and less	6 mm ~ 9 mm
1 mm ~ 2 mm	3500 s.p.m	2000 s.p.m.
3 mm	3000 s.p.m.	
4 mm	2500 s.p.m.	
5 mm ~ 7 mm	2000 s.p.m.	

## BBW-□

	8BLC-BTFL-CD-DS
Thread trimming (C)	○
Quick reverse feed (BT)	○
Auto presser foot lifting (FL)	○
Walking foot movement changeover (CD)	○
Stitch length change (DS)	○



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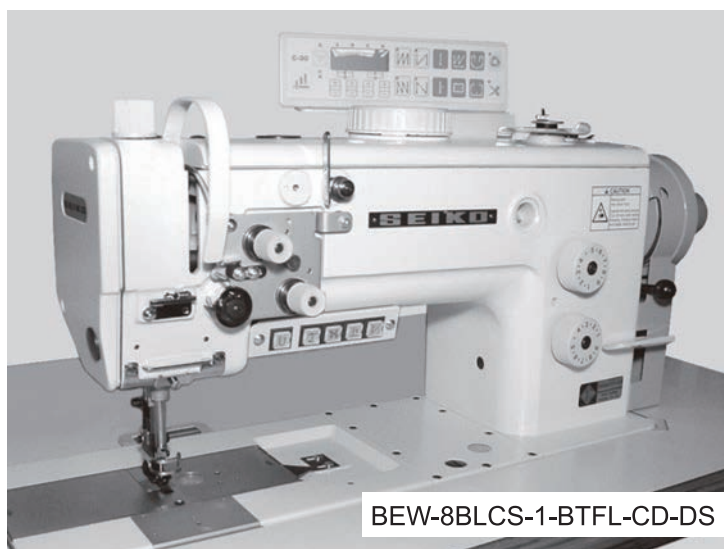
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<http://www.seiko-sewing.co.jp/>

# BEW single needle series

High speed, Large vertical axis hook, Compound feed and walking foot, Reverse stitch, Lockstitch machines



BEW-8BLCs-1-BTFL-CD-DS

## Variety

### BEW-8BLS-1

S type presser foot

### BEW-8BLCs-1-BTFL-CD-DS

Thread trimmer, automatic back tack, automatic presser foot lift, climbing device, dual stitching device, S type presser foot

### BEW-8BLE-1

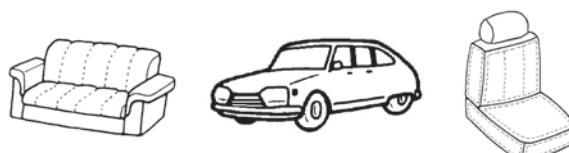
E type presser foot

### BEW-8BLCE-1-BTFL-CD-DS

Thread trimmer, automatic back tack, automatic presser foot lift, climbing device, dual stitching device, E type presser foot

## Applications

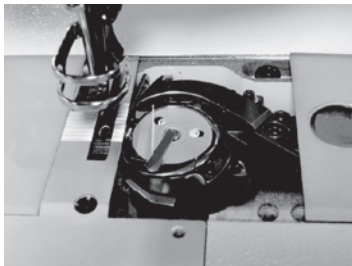
- For sewing medium to heavy weight materials such as leather, vinyl, synthetics and laminated and coated materials
- Suitable for sewing such as automobile upholstery, tarpaulins, covers, awnings, tents, umbrellas handbags, luggage, travelware accessories, sports and camping equipment and wearing apparel outdoor clothing.



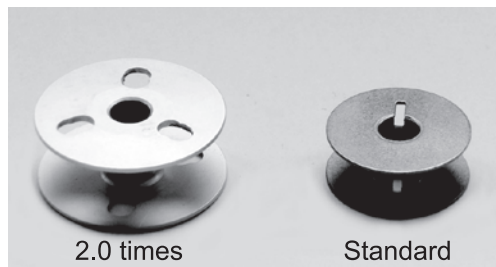


## Features

- Longer stitch length quiet sewing operation
  - \* Max. 9mm for both forward and reverse feed stitching.
  - \* Compound feed and walking foot for positive stitching formation.
- BEW series are equipped with a large vertical axis hook(2.0 times)
  - \* Large capacity hook minimizes the time to replace the bobbin thread in stitching of thick thread.
  - \* This hook promote highly efficient operation by reducing the frequency of bobbin thread replacement.
- Reliable thread trimming device
  - \* Reliable automatic thread trimming device securely cuts up to #1 thread is equipped.
- One touch switchover for two different stitch lengths (DS device)
  - \* Variety sewing materials such as steps, curves, uneven thickness can be performed by one touch switchover setting two different stitch lengths. The efficient work and beautiful finishes will be obtained. (-DS type)



2.0 times large capacity hook, reliable thread trimming device

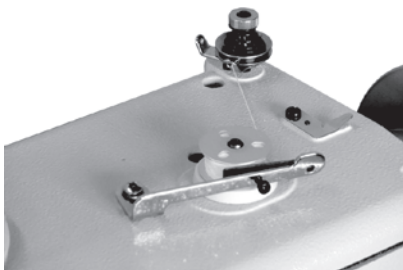


Comparison of the bobbin size

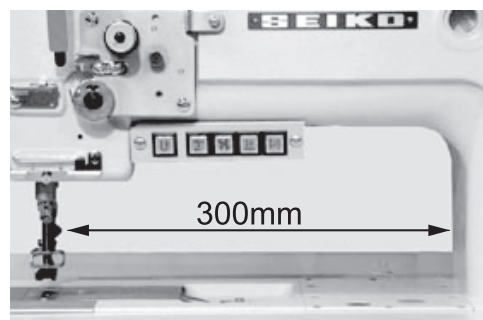


One touch switchover for two different stitch lengths (DS device)

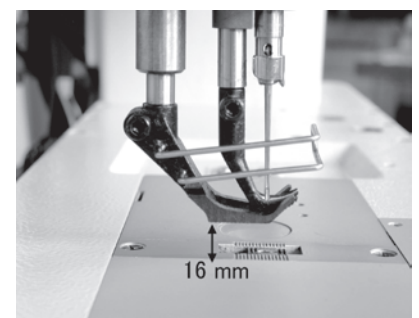
- Built-in bobbin winder
  - \* Built-in bobbin winder makes it possible to wind the bobbin thread during sewing operation.
- Wide working space
  - \* 300 mm working space, from the needle to the sewing machine arm, makes sewing works easy to handle heavy weight and even large materials.
- Large clearance under presser foot
  - \* The clearance under the presser foot (16mm), makes it easy to put heavy weight materials in and out.



Built-in bobbin winder



Wide working space



The clearance under the presser foot (16mm)

- Simple setting for walking foot movement
  - \* Walking foot movement between inner foot and outer foot can be changed simply by the easy-to-handle dial located at the top of the sewing machine.
  - \* Once the walking movements have been set, the sewing speed is automatically controlled to the optimum speed so that stable sewing is maintained.
- Smooth stitching on step section (CD device)
  - \* The presser foot movement can be changed to maximum momentum (7mm) by button. Uneven thickness of materials can be smoothly performed changing the movement right before the uneven point.

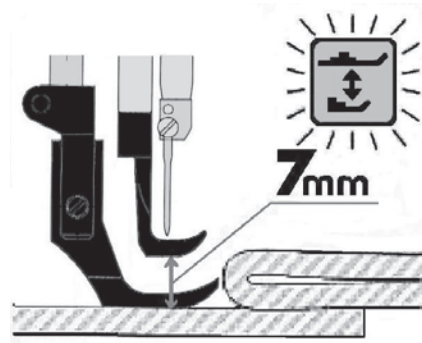
## BEW single needle series

### ● 5 operational switches improve working efficiency

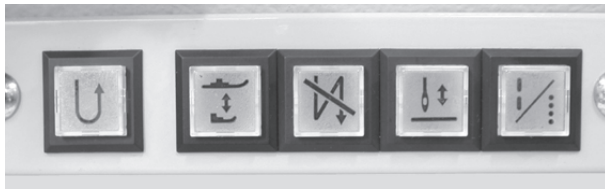
\* 5 switch buttons panelled on the convenient positions improve the efficient works.



Simple setting for walking foot movement



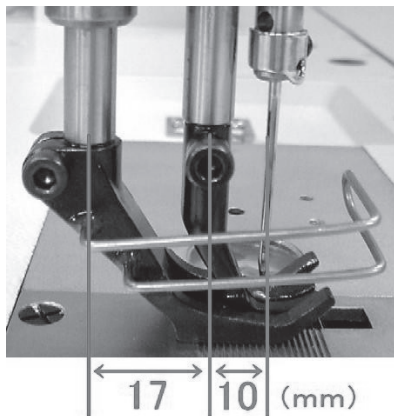
Smooth stitching on step section (CD device)



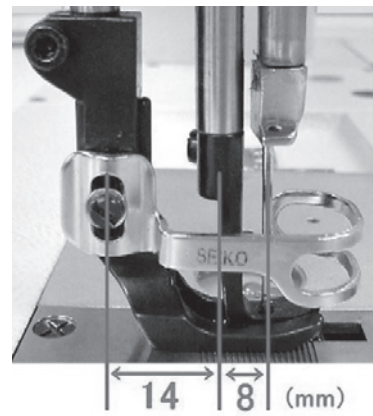
### 5 operational switches

- \* Quick reverse switch
- \* Walking foot movement change switch
- \* Auto backtack select switch
- \* Half stitch switch
- \* Stitch length change switch

### ● Selectable two different type of presser foot for your preference.



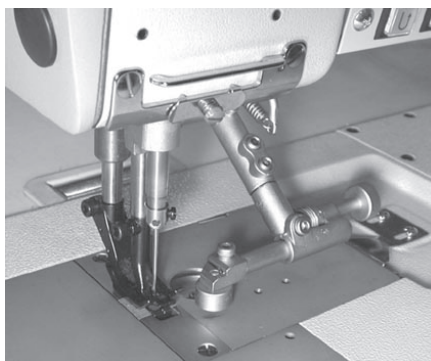
**E type**



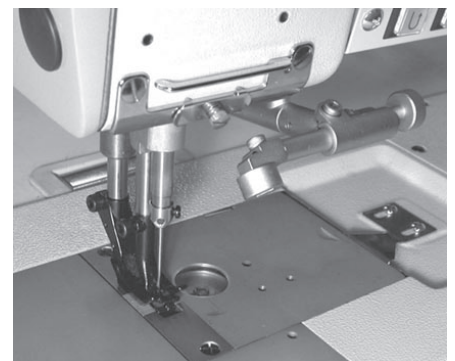
**S type**

\* E type presser foot is available as an option.

### ● Guide (optional parts)



On duty



Off duty

# BEW single needle series

## Specifications (BEW-□)

Variety		8BLS-1	8BLCS-1-BTFL-CD-DS
Number of needle		Single needle	
Max. sewing speed		2,500 s.p.m. (Refer to list below)	
Max. stitch length		9 mm	
Clearance under presser foot	by hand	9 mm	
	by knee	16 mm	-
	by automatic foot lifter	-	16 mm
Needle bar stroke		37 mm	
Needle (standard)		135×17 #110 - #200 (#160), DP×17 #18 - #25 (#23)	
Thread		#30 - #1 (standard #5)	
Hook		Large vertical axis hook (2.0 times)	
Thread length after trimming		-	Approx. 13 mm
Thread take up lever		Slide type	
Amount of walking foot movement		1 - 6.5 mm	1 - 7 mm
Walking foot movement change switch		Dial type	
Bobbin winder		Built-in type located at the top of the sewing machine	
Auto presser foot lifting device		-	Pneumatic
Walking foot movement change device		-	Pneumatic
Safety device		standard	
Lubrication		Automatic lubrication type	
Bed size / Working space		567 × 177 mm / 300 × 120 mm	
Net weight (Head only)		49 Kg	51 Kg
Motor		Clutch motor	AC Servo motor

NOTE : (1) Thick thread application is available by order.  
 (2) Speed depends on threads, materials and type of operation.  
 (3) Specifications subject to change without notice

## Sewing speed range

Amount of walking foot movement	Stitch length	
	6 mm and less	6 mm ~ 9 mm
1 mm ~ 2 mm	2500 s.p.m.	2000 s.p.m.
3 mm	2400 s.p.m.	
4 mm	2300 s.p.m.	
5 mm ~ 7 mm	2000 s.p.m.	

## BEW-□

	8BLCS-1-BTFL-CD-DS
Thread trimming (C)	○
Quick reverse feed (BT)	○
Auto presser foot lifting (FL)	○
Walking foot movement changeover (CD)	○
Stitch length change (DS)	○



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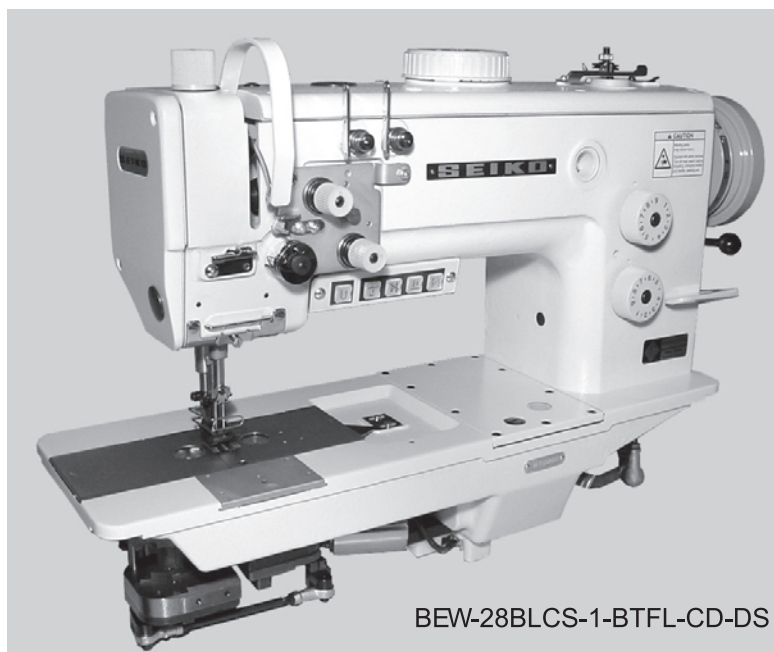
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# BEW two needle series

High speed, Large vertical axis hook, Compound feed and walking foot, Reverse stitch, Lockstich machines



BEW-28BLS-1-BTFL-CD-DS

## Variety

### BEW-28BLS-1

### BEW-28BLS-1-BTFL-CD-DS

Thread trimmer, automatic back tack, automatic presser foot lift, climbing device, dual stitching device

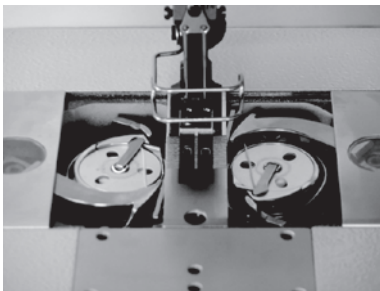
## Applications

- For sewing medium to heavy weight materials such as leather, vinyl, synthetics and laminated and coated materials
- Suitable for sewing such as automobile upholstery, tarpaulins, covers, awnings, tents, umbrellas handbags, luggage, travelware accessories, sports and camping equipment and wearing apparel outdoor clothing.

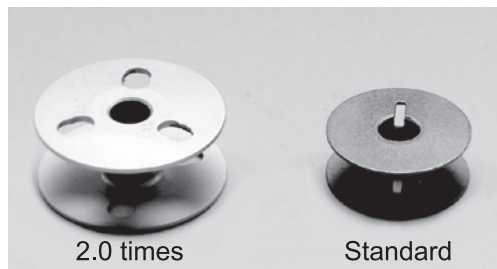


## Features

- Longer stitch length quiet sewing operation
  - \* Max. 9mm for both forward and reverse feed stitching.
  - \* Compound feed and walking foot for positive stitching formation.
- BEW series are equipped with a large vertical axis hook (2.0 times)
  - \* Large capacity hook minimizes the time to replace the bobbin thread in stitching of thick thread.
  - \* This hook promote highly efficient operation by reducing the frequency of bobbin thread replacement.
- Reliable thread trimming device
  - \* Reliable automatic thread trimming device securely cuts up to #1 thread is equipped.
- One touch switchover for two different stitch lengths (DS device)
  - \* Variety sewing materials such as steps, curves, uneven thickness can be performed by one touch switchover setting two different stitch lengths. The efficient work and beautiful finishes will be obtained. (-DS type)



2.0 times large capacity hook, reliable thread trimming device

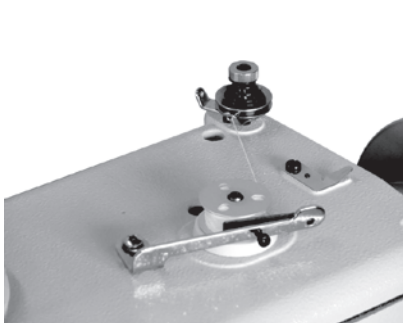


2.0 times Standard

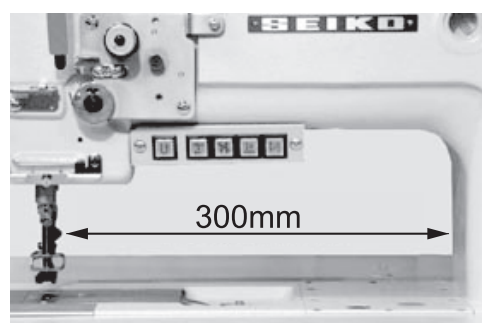


One touch switchover for two different stitch lengths (DS device)

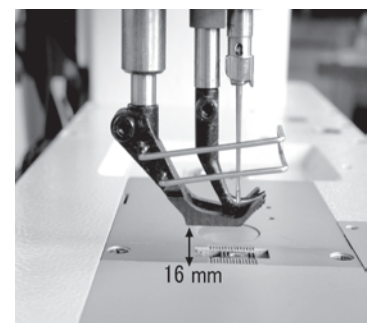
- Built-in bobbin winder
  - \* Built-in bobbin winder makes it possible to wind the bobbin thread during sewing operation.
- Wide working space
  - \* 300 mm working space, from the needle to the sewing machine arm, makes sewing works easy to handle heavy weight and even large materials.
- Large clearance under presser foot
  - \* The clearance under the presser foot (16mm), makes it easy to put heavy weight materials in and out.



Built-in bobbin winder



Wide working space



The clearance under the presser foot (16mm)

- Simple setting for walking foot movement
  - \* Walking foot movement between inner foot and outer foot can be changed simply by the easy-to-handle dial located at the top of the sewing machine.
  - \* Once the walking movements have been set, the sewing speed is automatically controlled to the optimum speed so that stable sewing is maintained.
- Smooth stitching on step section (CD device)
  - \* The presser foot movement can be changed to maximum momentum (7mm) by button. Uneven thickness of materials can be smoothly performed changing the movement right before the uneven point.

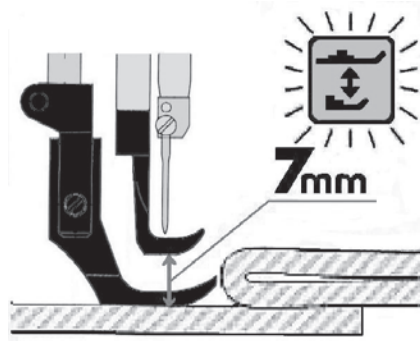
## BEW two needle series

### ● 5 operational switches improve working efficiency

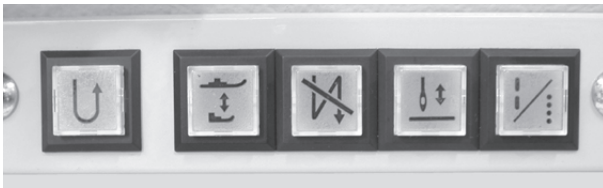
\* 5 switch buttons are panelled on the convenient positions improve the efficient works.



Simple setting for walking foot movement



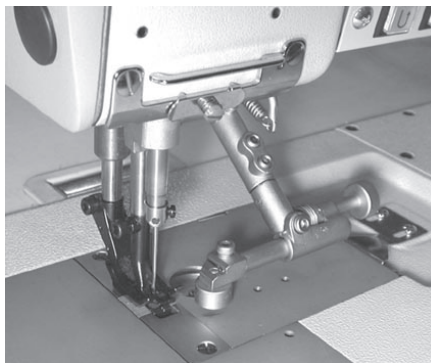
Smooth stitching on step section (CD device)



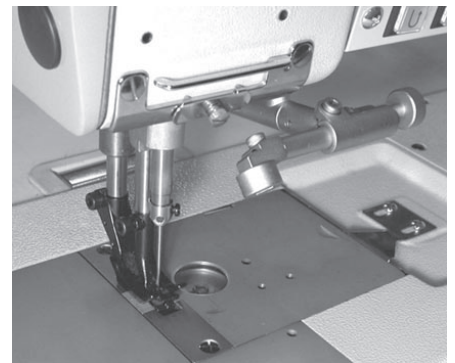
### 5 operational switches

- \* Quick reverse switch
- \* Walking foot movement change switch
- \* Auto backtack select switch
- \* Half stitch switch
- \* Stitch length change switch

### ● Guide (optional parts)



On duty



Off duty

# BEW two needle series

## Specifications (BEW-□)

Variety		28BLS-1	28BLCS-1-BTFL-CD-DS
Number of needle		Two needle	
Max. sewing speed		2,500 s.p.m. (Refer to list below)	
Max. stitch length		9 mm	
Clearance under presser foot	by hand	9 mm	
	by knee	16 mm	-
	by automatic foot lifter	-	16 mm
Needle bar stroke		37 mm	
Needle (standard)		135 × 17 #110 - #200 (#160) , DP × 17 #18 - #25 (#23)	
Thread		#30 - #1 (standard #5)	
Hook		Large vertical axis hook (2.0 times)	
Thread length after trimming		-	Approx. 13 mm
Thread take up lever		Slide type	
Amount of walking foot movement		1 - 6.5 mm	1 - 7 mm
Walking foot movement change switch		Dial type	
Bobbin winder		Built-in type located at the top of the sewing machine	
Auto presser foot lifting device		-	Pneumatic
Walking foot movement change device		-	Pneumatic
Safety device		standard	
Lubrication		Automatic lubrication type	
Bed size/Working space		567 × 177 mm / 300 × 120 mm	
Net weight (Head only)		49 Kg	51 Kg
Motor		Clutch motor	AC Servo motor

NOTE : (1)Thick thread application is available by order.  
 (2)Speed depends on threads, materials and type of operation.  
 (3)Specifications subject to change without notice.

## Sewing speed range

Amount of walking foot movement	Stitch length	
	6 mm and less	6 mm ~ 9 mm
1 mm ~ 2 mm	2500 s.p.m.	2000 s.p.m.
3 mm	2400 s.p.m.	
4 mm	2300 s.p.m.	
5 mm ~ 7 mm	2000 s.p.m.	

## BEW-□

	28BLCS-1-BTFL-CD-DS
Thread trimming (C)	○
Quick reverse feed (BT)	○
Auto presser foot lifting (FL)	○
Walking foot movement changeover (CD)	○
Stitch length change (DS)	○

## Needle gauge list (BEW-□)

Variety	Needle gauge size
28BLS-1 28BLCS-1-BTFL-CD-DS	standard : 1/4"(6.4 mm), 5/16"(7.9 mm), 3/8"(9.5 mm), 1/2"(12.7 mm) special : 1/8"(3.2 mm), 3/16"(4.8 mm)



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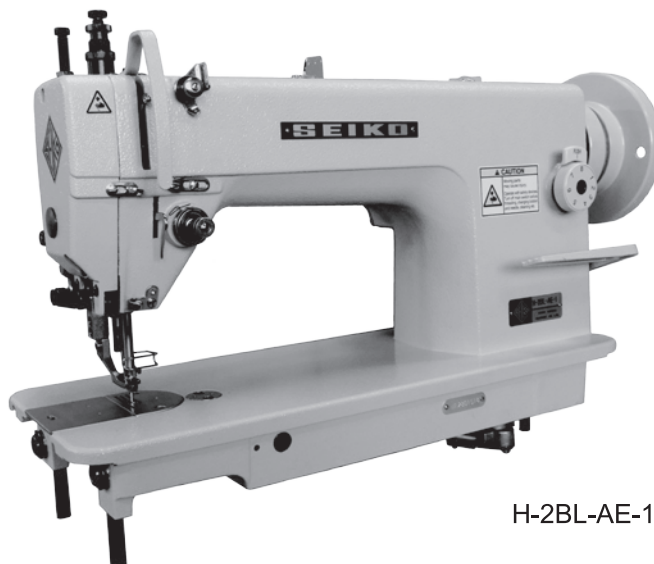
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# H-2BL-AE-1

Single needle, Large horizontal axis hook, Upper and lower feed, Lockstitch machines



H-2BL-AE-1

Variety

## H-2BL-AE-1

### Applications

- For sewing medium to heavy weight materials such as fabrics, leather, vinyl, synthetics and laminated and coated products.
- Suitable for sewing such products as bags, automobile work, awnings, vinyl and leather goods etc.



**Features**

- Full automatic lubrication system by pump.
- Large horizontal axis hook (2.0 times).
- Automatic lubricated hook.
- Feed regulating dial stopper assures uniform stitching.
- High presser foot lift.
- Easy adjustment of forward and reverse stitch length.

**Specifications**

Variety		H-2BL-AE-1
Number of needle		Single needle
Max. sewing speed		2000 s.p.m.
Max.stitch length		5/16" (8 mm)
Clearance under presser foot	by knee	5/8" (16 mm)
	by hand	5/16" (8 mm)
Needle bar stroke		1-29/64" (37 mm)
Needle		DP x 17 (#23) , 135 x 17 (#160)
Thread		#20 - #5 (standard #8)
Hook		Large horizontal axis hook (2.0 times)
Amount of lift of walking foot		5/64"-3/16" standard 9/64" (2 - 5 mm) (standard 3.5 mm)
Thread take up lever		Link type
Lubrication		Automatic lubrication type (there is some exception)
Bed size		18-45/64" x 7" (475 x 178 mm)
Working space		10-15/64" x 4-23/32" (260 x 120 mm)
Net weight(Head only)		29Kg
Motor		Clutch motor

NOTE: (1) Speed depends on threads, materials and type of operation  
 (2) Specifications subject to change without notice

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# LSW single needle series (edge trimming)

High speed, Large vertical axis hook, Compound feed and walking foot, Reverse stitch, Lockstitch machines



LSW-8BLVMF

## Variety

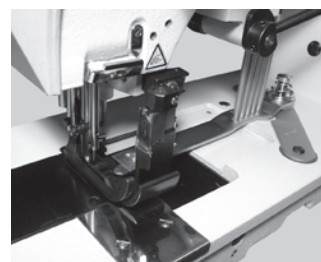
### LSW-8BLVMF

Vertical edge trimming (front), synchronized binder(\*)

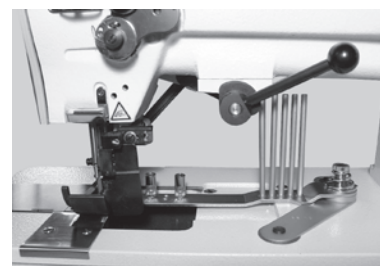
### LSW-8BLM

Vertical edge trimming(right)

(\*)Available various special binder at extra charge



LSW-8BLVMF

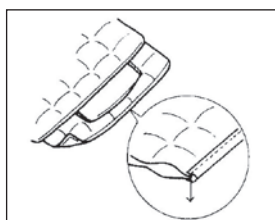


## Applications

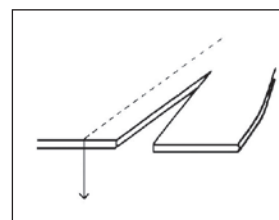
- For sewing medium to heavy weight fabrics, leather, vinyl, synthetics and laminated and coated materials
- Designed for operation such as tape binding, edge trimming for quilt, cushion, cover and automobile-interior.

\* 8BLVMF Bedding, cover, carpet.

\* 8BLM Heavy weight materials, automobile-interior and exterior decorations with trimming works.



LSW-8BLVMF



LSW-8BLM



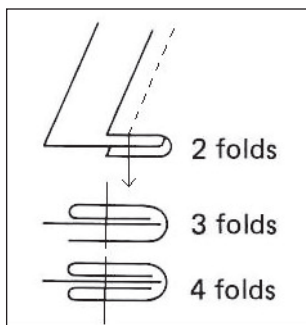
# LSW single needle series (edge trimming)

## Features

- Seaming, tape binding and trimming can be performed by one operation.
- Large vertical axis hook. (Automatic hook lubrication)
- Safety clutch prevents the hook from being damaged.

### •LSW-8BLVMF

Special binder can be supplied upon your request.



### •LSW-8BLM

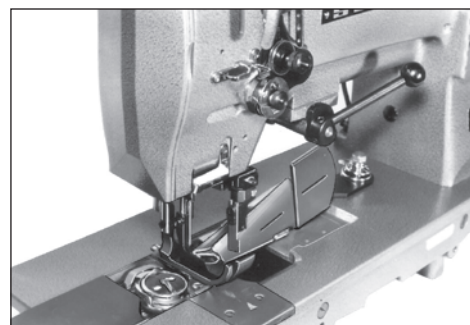
Sewing and Trimming can be performed by one operation



Suit for sewing and trimming simultaneous for leather, vinyl, heavy materials, automobile-interior, exterior decorations.

### •LSW-8BLVMF

Trimming(front) and Taping can be performed by one operation.



Suit for trimming and taping simultaneous for bedding, cover, cushion and carpet, etc. Trimming can be made in front of needle.

## Specifications (LSW-□)

Variety	8BLVMF	8BLM
Number of needle	Single needle	
Max. sewing speed	2,500 s.p.m.	
Max. stitch length	1/4" (6.2 mm)	
Clearance under presser foot	by knee	15/32" (12 mm)
	by hand	21/64" (8.5 mm)
Needle bar stroke	1-5/16" (33.2 mm)	
Needle(standard)	MTx190 (#19) , 190R (#120)	DPx17 (#22) , 135x17 (#140)
Thread	#30 (standard)	#8 (standard)
Hook	Large vertical axis hook (2.0 times)	
Amount of lift of walking foot	1/8"-15/64" standard 5/32" (3 - 6 mm) (standard 4 mm)	
Standard binder spec (extra charge)	4-Fold Tape width 2-3/8"(60 mm)	-
Distance between seam and cutting edge	6 - 18 mm (standard 14 mm) 15/64"- 45/64" (standard 35/64")	4 , 5 , 6.5 , 8 , 10 mm (standard 8 mm) 5/16" - 25/64" (standard 5/16")
Thread take up lever	Slide type	
Lubrication	Semi-automatic lubrication type	
Bed size	20-25/64"x 7" (518 x 177 mm)	
Working space	10-5/32"x 3-35/64" (258 x 90 mm)	
Motor	Clutch motor	
Net weight(Head only)	34Kg	

NOTE: (1) Speed depends on threads, materials and type of operation (2) Specifications subject to change without notice



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# LSW two needle series (angular stitch)

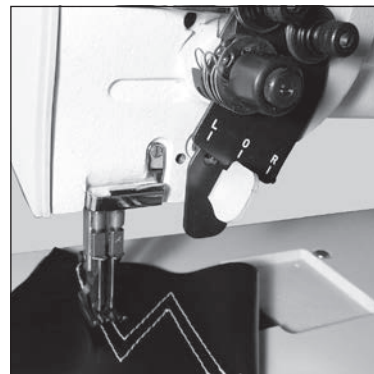
High speed, Large vertical axis hook, Compound feed and walking foot, Reverse stitch and split needle bar, Lockstitch machine



LSW-28BLK

## Variety

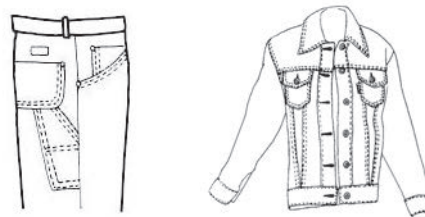
### LSW-28BLK



Angular stitching and/or straight stitching can be made by simplified operation

## Applications

- For sewing medium to heavy materials such as leather, coats, jackets and jeans which require decorative or functional angular stitching.



# LSW two needle series (angular stitch)

## Features

- Semi-automatic lubrication system.
- Large vertical axis hook (2.0 times).
- Automatic hook lubrication.
- Safety clutch prevents the hook from being damaged.
- Easy to operation of disengageable right and left needle bars by use of finger touch lever.

## Specifications

Variety	LSW-28BLK	
Number of needle	Two needle	
Max. sewing speed	2,400 s.p.m.	
Max. stitch length	1/4" (6.5 mm)	
Clearance under presser foot	by knee	33/64" (13 mm)
	by hand	21/64" (8.5 mm)
Needle bar stroke	1-9/32" (32.6 mm)	
Needle(standard)	DPx17 (#22) , 135x17 (#140)	
Thread	#8 (standard)	
Hook	Large vertical axis hook (2.0 times)	
Amount of lift of walking foot	1/8"-15/64" standard 5/32" (3 - 6 mm) (standard 4 mm)	
Thread take up lever	Slide type	
Lubrication	Semi-automatic lubrication type	
Bed size	20-25/64"x 7" (518 x 177 mm)	
Working space	10-5/32"x 4-21/64" (258 x 110 mm)	
Motor	Clutch motor	
Net weight(Head only)	35Kg	

NOTE: (1) Speed depends on threads, materials and type of operation  
(2) Specifications subject to change without notice

## Needle gauge list

Variety	Needle gauge size
LSW-28BLK	standard : 1/4"(6.4 mm), 5/16"(7.9mm), 3/8"(9.5mm)
	special : 1/8"(3.2 mm), 3/16"(4.8mm)



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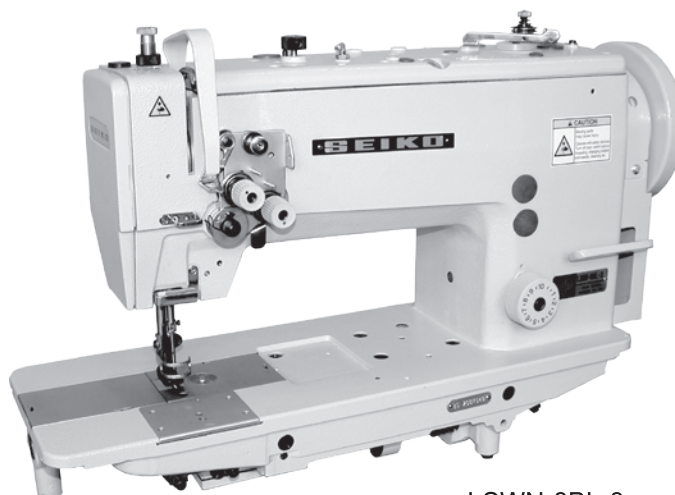
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# LSWN single needle series

High speed, Large vertical axis hook, Reverse stitch, Compound feed and walking foot, Lockstitch machines



LSWN-8BL-3

## Variety

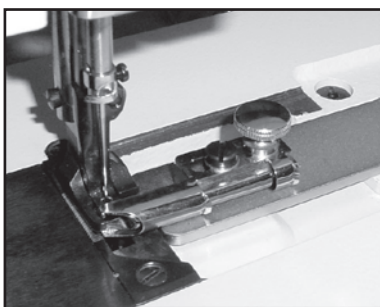
### LSWN-8BL-3

### LSWN-8BL-3-TA

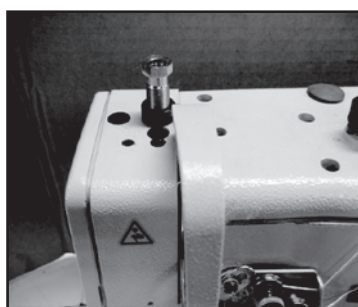
For thick thread

### LSWN-8BLV-3

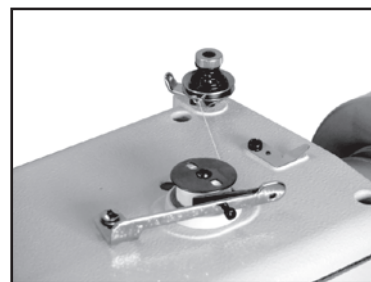
Synchronized binder



LSWN-8BLV-3



Pressure force can be adjusted simply and certainly with thumb screw at top.



Built-in bobbin winder that enables simple and fine adjustment of winding volume of threads

## Applications

- For sewing medium to heavy weight fabrics, leather, vinyl, synthetics and laminated and coated materials.
- Suitable for sewing such as boat and furniture upholstery, tarpaulins, covers, awnings, tents, umbrellas, handbags, luggage, travelware accessories, sports and camping equipment, wearing apparel, outdoor clothing, footwear, foundation garments and orthopedic appliances.



## Features

- Improved exposure of arm-feeding mechanism components which provides safety environment.(mechanical part of alternating presser foot, foot lifter mechanism(knee lifter) and presser foot spring relevant parts)  
Plain needle drop area/adoption of open/close simplified face plate which provides wide-ranged movement of sewn material.
- Adoption of feed-adjusting dial which eases determination process of stitch length.
- Advanced penetration required for sewing of thick material/adoption of large pulley(O.D. 150mm) which enables the needle bar to be positioned properly.
- Built-in bobbin winder makes it possible to wind the bobbin thread during sewing operation.
- Elongated work space/adoption of built-in bobbin winder which no longer require mounting process.
- Adoption of die-casting oil pan of which by-knee-lifter is built-in, aiming at efficient installment
- Standard equipment of long stitch (max.10mm) suitable for thick material and amount of alternative presser lift (max. 6mm)  
( LSWN-8BL-3, LSWN-8BL-3-TA)
- Large vertical axis hook (Automatic hook lubrication).
- Safety clutch prevents the hook from being damaged.



Single needle

## Specifications (LSWN-□)

Variety		8BL-3	8BL-3-TA	8BLV-3
Number of needle		Single needle		
Max. sewing speed		2,800 s.p.m.		2,500 s.p.m.
Max. stitch length		25/64" (10 mm)		1/4" (6.2 mm)
Clearance under presser foot	by knee	5/8" (16 mm)		15/32" (12 mm)
	by hand	21/64" (8.5 mm)		
Needle bar stroke		1-5/16" (33.2 mm)		
Needle(standard)		DPx17(#22), 135x17(#140)	DPx17(#24), 135x17(#180)	DPx17(#18), 135x17(#110)
Thread		#8 (standard)	#5 (standard)	#8 (standard)
Hook		Large vertical axis hook (2.0 times)		
Amount of lift of walking foot		1/8"-15/64" standard 5/32" (3 - 6 mm) (standard 4 mm)		
Thread take up lever		Slide type		
Lubrication		Semi-automatic lubrication type		
Bed size		20-25/64"x 7" (518 x 177 mm)		
Working space		10-5/32"x 4-21/64" (258 x 110 mm)		
Motor		Clutch motor		
Net weight(Head only)		42.5 Kg		44.5 Kg

NOTE: (1) Speed depends on threads, materials and type of operation  
(2) Specifications subject to change without notice



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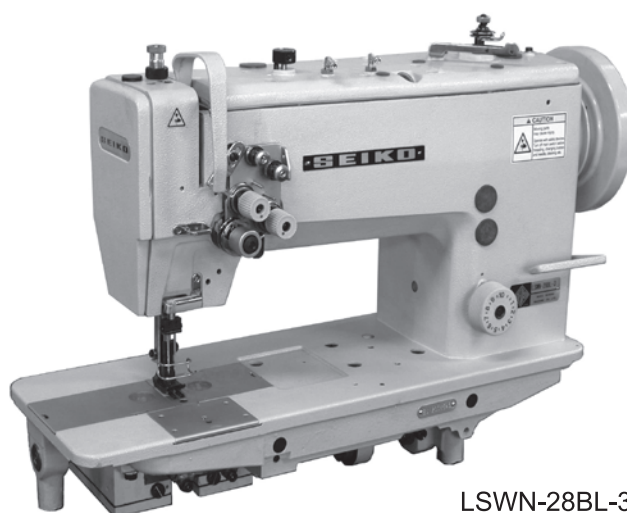
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# LSWN two needle series

High speed, Large vertical axis hook, Reverse stitch, Compound feed and walking foot, Lockstitch machines



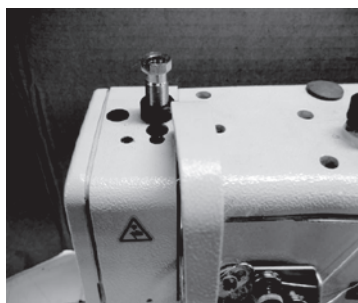
LSWN-28BL-3

## Variety

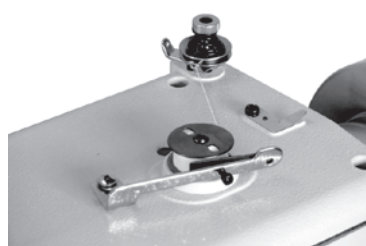
### LSWN-28BL-3

### LSWN-28BL-3-TA

For thick thread



Pressure force can be adjusted simply and certainly with thumb screw at top.



Built-in bobbin winder that enables simple and fine adjustment of winding volume of threads

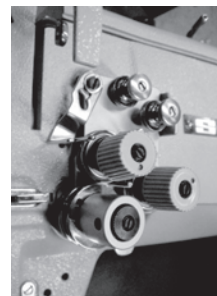
## Applications

- For sewing medium to heavy weight fabrics, leather, vinyl, synthetics and laminated and coated materials.
- Suitable for sewing such as boat and furniture upholstery, tarpaulins, covers, awnings, tents, umbrellas, handbags, luggage, travelware accessories, sports and camping equipment, wearing apparel, outdoor clothing, footwear, foundation garments and orthopedic appliances.



## Features

- Improved exposure of arm-feeding mechanism components which provides safety environment.(mechanical part of alternating presser foot, foot lifter mechanism(knee lifter) and presser foot spring relevant parts)  
Plain needle drop area/adoption of open/close simplified face plate which provides wide-ranged movement of sewn material.
- Adoption of feed-adjusting dial which eases determination process of stitch length.
- Advanced penetration required for sewing of thick material/adoption of large pulley(O.D. 150mm) which enables the needle bar to be positioned properly.
- Built-in bobbin winder makes it possible to wind the bobbin thread during sewing operation.
- Elongated work space/adoption of built-in bobbin winder which no longer require mounting process.
- Adoption of die-casting oil pan of which by-knee-lifter is built-in, aiming at efficient installment.
- Standard equipment of long stitch (max.10mm) suitable for thick material and amount of alternative presser lift (max. 6mm)
- Large vertical axis hook (Automatic hook lubrication).
- Safety clutch prevents the hook from being damaged.



Two needle

## Specifications (LSWN-□)

Variety		28BL-3	28BL-3-TA
Number of needle		Two needle	
Max. sewing speed		2,600 s.p.m.	
Max. stitch length		25/64" (10 mm)	
Clearance under presser foot	by knee	33/64" (13 mm)	
	by hand	21/64" (8.5 mm)	
Needle bar stroke		1-5/16" (33.2 mm)	
Needle(standard)		DPx17 (#22) , 135x17 (#140)	DPx17 (#24) , 135x17 (#180)
Thread		#8 (standard)	#5 (standard)
Hook		Large vertical axis hook (2.0 times)	
Amount of lift of walking foot		1/8"-15/64" (3 - 6 mm)	standard 5/32" (standard 4 mm)
Thread take up lever		Slide type	
Lubrication		Semi-automatic lubrication type	
Bed size		20-25/64"x 7" (518 x 177 mm)	
Working space		10-5/32"x 4-21/64" (258 x 110 mm)	
Motor		Clutch motor	
Net weight(Head only)		45 Kg	

NOTE: (1) Speed depends on threads, materials and type of operation  
(2) Specifications subject to change without notice

## Needle gauge list (LSWN-□)

Variety	Needle gauge size
<b>28BL-3</b>	standard : 1/4"(6.4 mm), 5/16"(7.9 mm), 3/8"(9.5 mm), 1/2"(12.7 mm), 3/4"(19 mm) special : 1/8"(3.2 mm), 3/16"(4.8 mm), 5/8"(15.9 mm), 1"(25.4 mm), 1-1/4"(31.8 mm), 1-1/2"(38.1 mm)
<b>28BL-3-TA</b>	standard : 3/8"(9.5 mm) special : 1/4"(6.4 mm), 5/16"(7.9 mm), 1/2"(12.7 mm), 3/4"(19 mm)



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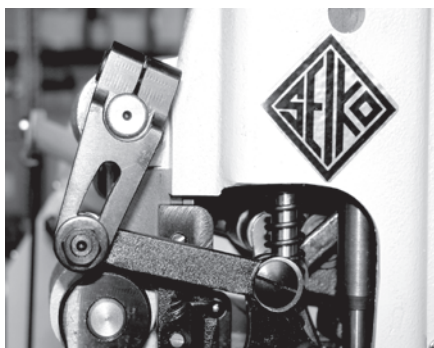
# SK series

Single needle, Extra heavy duty, Large horizontal axis hook, Upper and lower feed, Reverse stitch, Lockstitch machines



## Variety

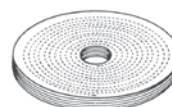
### SK-2B-1



Alternating presser foot lift relative parts

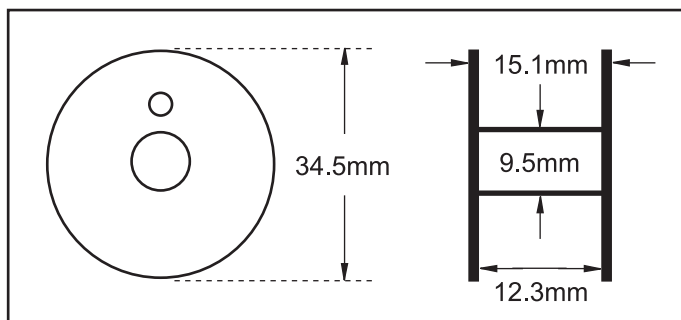
## Applications

- For sewing heavy weight leather, canvas, vinyl, and various coated and laminated fabrics
- Suitable for sewing such products as harnesses, covers, safety belts, tents, sheets, gloves, buffs, and heavy duty travel bags.



## Features

- Horizontal axis rotary hook with extra large capacity bobbin
- Reverse stitching
- Extra large needle
- 20 inch long arm version available (Add "20" when ordering)



Large bobbin

## Specifications

Variety	SK-2B-1	
Number of needle	Single needle	
Max. sewing speed	1,200 s.p.m.	
Max. stitch length	1/2" (13 mm)	
Clearance under presser foot	by pedal	35/64" (14 mm)
	by hand	1/2" (13 mm)
Needle bar stroke	2" (50.8 mm)	
Needle(standard)	DDx1 (#24) , 328 (#180)	
Thread	#0 - #5 (standard #5)	
Hook	Large horizontal axis hook	
Amount of lift of presser foot	1/8"-15/64" (3 - 6 mm)	standard 5/32" (standard 4mm)
Thread take up lever	Link type	
Lubrication	Hand type	
Bed size	20-15/32" x 9-27/32" (520 x 250 mm)	
Working space	10"x 7-31/64" (253 x 190 mm)	
Motor	Clutch motor	
Net weight(Head only)	44Kg	

NOTE: (1) Speed depends on threads, materials and type of operation  
(2) Specifications subject to change without notice



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# SLH series

Single needle, Long arm, Extra heavy duty, Large oscillating shuttle hook, Upper and lower feed, Reverse stitch, Lockstitch machines



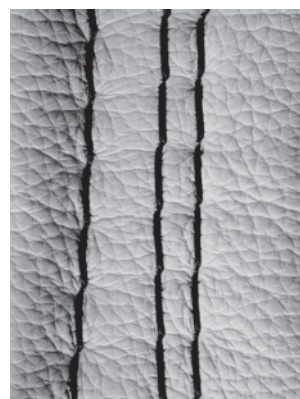
SLH-2B

## Variety

### SLH-2B

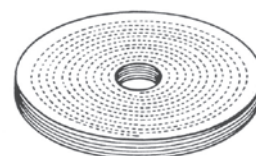
### SLH-2B-FH-1

Long needle bar stroke, high presser foot lift 32 mm



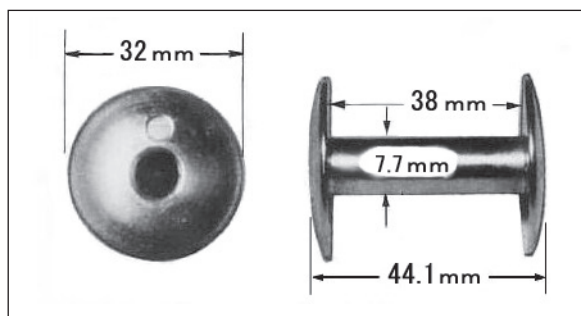
## Applications

- For sewing extra heavy weight materials
- Suitable for sewing products such as safety and logging belts, cargo slings, buffing wheels, harnesses, construction barriers, parachutes, balloons and book binding.

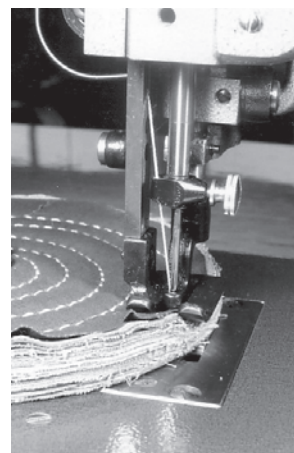


## Features

- Suitable for extra thick thread (#0 - #00)
- Cam take-up type makes good tension.
- Synchronized walking foot and drop feeding mechanism assures uniform stitching.
- Extra high presser foot lift (32mm by pedal) enable sewing extra heavy materials (SLH-2B-FH-1).
- Extra large capacity hook minimizes the time to replace the bobbin thread.
- 413mm working space (Extra long arm), from the needle to the sewing machine arm, makes sewing works easy to handle heavy weight and even large materials.
- Long stitch length (15mm max.).
- Reverse stitching by stitch adjusting lever.
- Automatic back tack (BT) and automatic presser foot lift (FL) are available as option.



Large bobbin



Buffing wheels

## Specifications (SLH-□)

Variety		2B	2B-FH-1
Number of needle		Single needle	
Max. sewing speed		700 s.p.m.	
Max. stitch length		19/32" (15 mm)	
Clearance under presser foot	by pedal	1-7/64" (28 mm)	1-17/64" (32 mm)
	by hand	29/32" (23 mm)	1-9/64" (29 mm)
Needle bar stroke		2-15/64" (56.7 mm)	2-19/32" (66 mm)
Needle(standard)		Schmetz 1000 (#250)	
Thread		#0 (standard) - #00	
Hook		Large shuttle hook	
Amount of lift of alternating presser foot		3/16"-9/32" standard 15/64" (5 - 7 mm) (standard 6 mm)	
Thread take up lever		Cam type	
Lubrication		Hand type	
Bed size		25-3/4" x 10-5/32" (654 x 258 mm)	
Working space		16-1/4"x 8-37/64" (413 x 218 mm)	
Motor		Clutch motor	
Net weight(Head only)		105kg	

NOTE: (1) Speed depends on threads, materials and type of operation  
(2) Specifications subject to change without notice



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# SLH-2B-FH-1H

Single needle, Long arm, Super heavy duty, High foot lift,  
Large oscillating shuttle hook, Upper and lower feed,  
Reverse stitch, Lockstitch machine

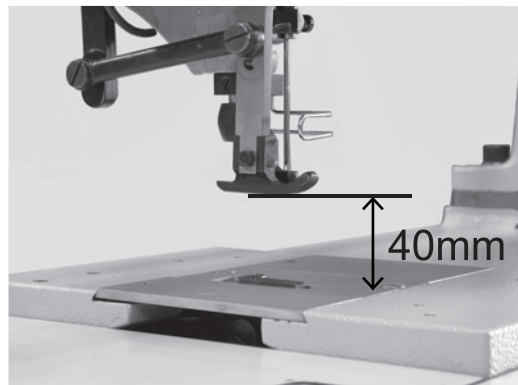


SLH-2B-FH-1H

## Variety

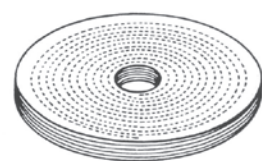
### SLH-2B-FH-1H

High presser foot lift 40mm,  
long needle bar stroke



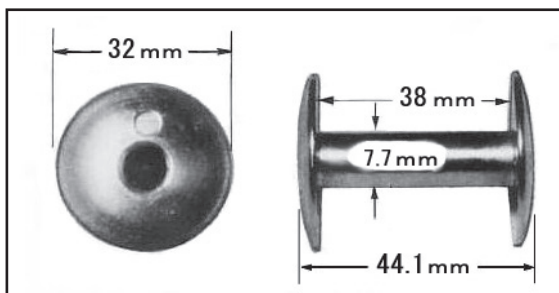
## Applications

- For sewing super heavy weight materials.
- Suitable for sewing products such as safety and logging belts, cargo slings, buffing wheels, harnesses, construction barriers, parachutes, balloons and book binding.

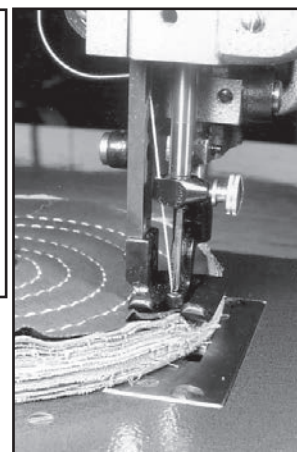


## Features

- Suitable for extra thick thread (#00)
- Cam take-up type makes good tension.
- Synchronized walking foot and drop feeding mechanism assures uniform stitching.
- Extra high presser foot lift (40mm) enable sewing extra heavy materials. Due to functional specification, there is 13mm clearance between the presser foot and the throat plate when the presser foot comes to lowest position.
- Extra large capacity hook minimizes the time to replace the bobbin thread.
- 413mm working space (Extra long arm), from the needle to the sewing machine arm, makes sewing works easy to handle heavy weight and even large materials.
- Long stitch length (15mm max.).
- Reverse stitching by stitch adjusting lever.
- Automatic back tack (BT) and automatic presser foot lift (FL) are available as option.
- Needle with long blade (1001H #28) is suitable for sewing extra heavy weight materials.
- Optional gauge parts are available at extra cost to accommodate needle type 1000.



Large bobbin



Buffing wheels

## Specifications

Variety		SLH-2B-FH-1H
Number of needle		Single needle
Max. sewing speed		600 s.p.m.
Max. stitch length		19/32" (15 mm)
Clearance under presser foot	by hand	1-37/64" (40 mm)
	by pedal	1-37/64" (42 mm)
Needle bar stroke		2-7/8" (73 mm)
Needle(standard)		ORGAN 1001H (#28) / Schmetz 1000 (#250)
Thread		#0 (standard) - #00
Hook		Large shuttle hook
Amount of lift of alternating presser foot		3/16"-9/32" standard 15/64" (5 - 7 mm) (standard 6 mm)
Thread take up lever		Cam type
Lubrication		Hand type
Bed size		25-3/4" x 10-5/32" (654 x 258 mm)
Working space		16-1/4"x 9-3/32" (413 x 231 mm)
Motor / Motor Belt		AC Servo motor (750w) / A type
Net weight(Head only)		113 kg

NOTE: (1) Speed depends on threads, materials and type of operation (2) Specifications subject to change without notice



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# STH-8BLD-3

Single needle, Large horizontal axis hook, Compound feed and walking foot, Reverse stitch, Lockstitch machine



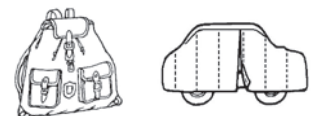
STH-8BLD-3

## Variety

### STH-8BLD-3

## Applications

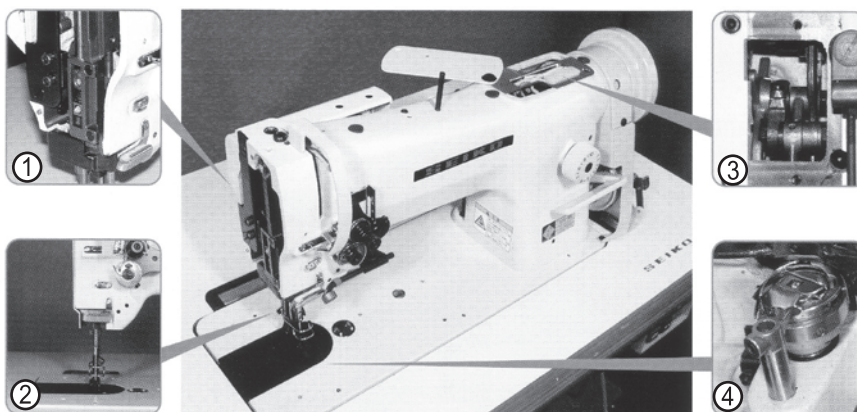
- For sewing medium to heavy weight materials such as fabrics, leather, vinyl, synthetics and laminated and coated products.
- Suitable for sewing such products as automobile upholstery, covers, sails, tents, camping trailer covers, awnings, bags, luggage, handbags, etc.





## Features

- Perfect prevention of presser foot's play ( pic ① )  
A guide was installed to protect play at presser bar bracket. Effective to the works where side force is generated such as piping edge sewing.
- Improved the efficiency of sewing work ( pic ② )  
For easy sewing of curved materials, the position of thread retainer was moved upward. Also face plate is cut to narrow by 6mm than STH-8BLD-2 for efficient sewing work.
- Beautiful forward & reverse stitch ( pic ③ )  
More beautiful stitch is realized by the same stitch length adjustment of forward & reverse feed.
- Special hook(2 times) & bobbin case opener ideal for heavy weight materials ( pic ④ )  
In case the thread jams in the hook, SEIKO SPECIAL HOOK & SAFETY CLUTCH SYSTEM protect the hook from being damaged. Also perfect stitch is realized by BOBBIN CASE OPENER.  
  - \* Easy picking out bobbin case at any needle position if it is above needle plate.
  - \* The hook is lubricated by its own oil reservoir.



## Specifications

Variety		STH-8BLD-3
Number of needle		Single needle
Max. sewing speed		2,000 s.p.m. / 2,400 s.p.m.: 8mm or less
Max. stitch length		25/64" (10 mm)
Clearance under presser foot	by knee	33/64" (13 mm)
	by hand	21/64" (8.5 mm)
Needle bar stroke		1-5/16" (33.2 mm)
Needle(standard)		DPx17 (standard #22), 135x17 (standard #140)
Thread		#8 (standard)
Hook		Large horizontal axis hook (2.0 times)
Amount of lift of walking foot		7/64"-7/32" ( standard 1/8")
		2.7 - 5.5 mm (standard 3.2 mm)
Thread take up lever		Slide type
Lubrication		Semi-automatic lubrication type
Bed size		18-25/32"x 7" (477 x 177 mm)
Working space		10-5/32"x 4-21/64" (258 x 110 mm)
Motor		Clutch motor
Net weight(Head only)		29 Kg

NOTE: (1) Speed depends on threads, materials and type of operation  
(2) Specifications subject to change without notice



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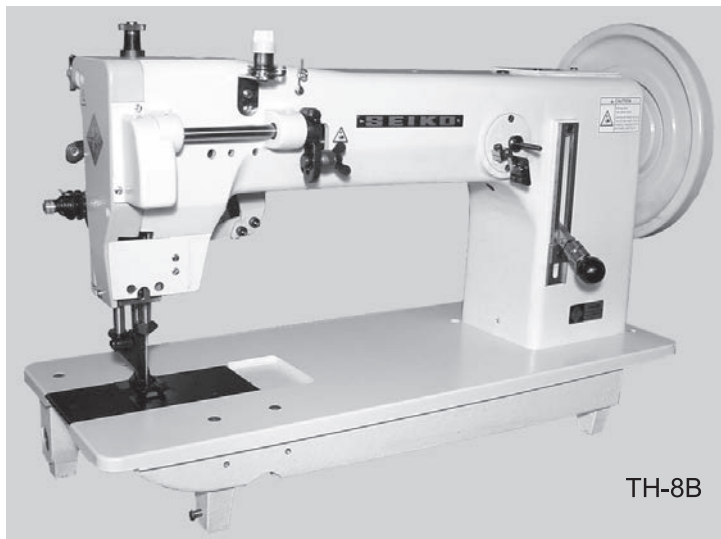
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# TH series

Single needle, Extra heavy duty, Large oscillating shuttle hook, Compound feed and walking foot, Reverse stitch, Long arm, Lockstitch machines



Variety

**TH-8B**

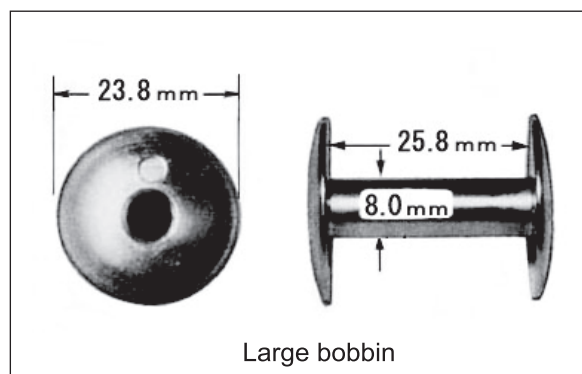
## Applications

- For sewing heavy weight materials such as canvas, vinyl, leather, synthetics and various coated, laminated and rubberized fabrics.
- Suitable for sewing tents, sails, harnesses, safety belts, parachutes, balloons, industrial bags, book bindings, suitcases and other extra heavy weight materials.



## Features

- Large oscillating shuttle hook with extra large capacity bobbin.
- Extra long arm. [working space 15-3/4"(400 mm)]
- Reverse stitching by stitch adjusting lever.
- Built-in bobbin winder.
- Extra high presser lift for sewing extra heavy materials.
- Cylinder bed version available. (CH series)



## Specifications

Variety		TH-8B
Number of needle		Single needle
Max. sewing speed		800 s.p.m.
Max. stitch length		15/32" (12 mm)
Clearance under presser foot	by knee	63/64" (25 mm)
	by hand	25/64" (10 mm)
Needle bar stroke		2-13/64" (56 mm)
Needle(standard)		DYx3 (#25) , 794 (#200)
Thread		#5 (standard)
Hook		Large oscillating shuttle hook
Amount of lift of walking foot		1/8"-15/64" standard 5/32" (3 - 6 mm) (standard 4 mm)
Thread take up lever		Cam type
Lubrication		Hand type
Bed size		25-63/64"x 9-61/64" (660 x 253 mm)
Working space		15-3/4"x 7" (400 x 180 mm)
Motor		Clutch motor
Net weight(Head only)		75 Kg

NOTE: (1) Speed depends on threads, materials and type of operation  
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# THM-26B-1-FL

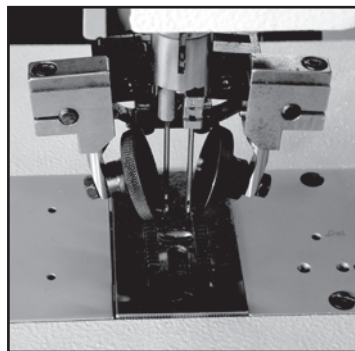
Two needle, Extra heavy duty, Multi different ornamental stitching, Lower feed, Roller presser foot, Reverse stitch, Large oscillating shuttle hook, Semi-Long arm, Lockstitch machine.



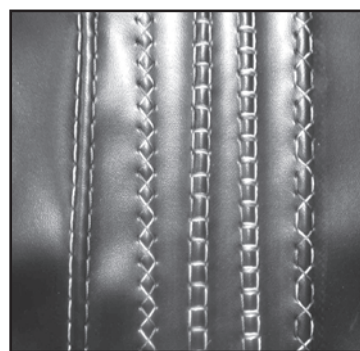
THM-26B-1-FL

## Variety

### THM-26B-1-FL



Needle & Roller Presser



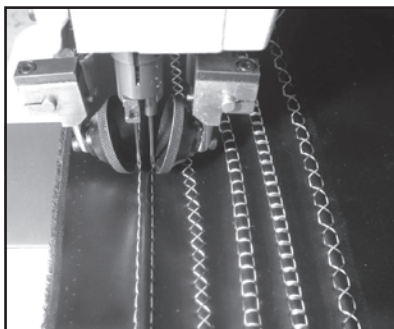
5 Stitches

## Applications

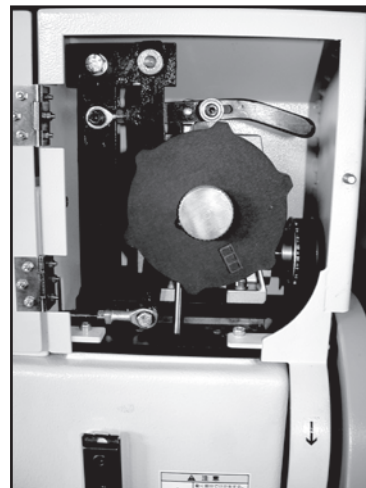
- For sewing heavy weight materials such as canvas, vinyl, leather, synthetics, synthetics and rubberized fabrics, various coated, laminated fabrics, etc.
- Suitable for sewing sofas, tents, shoe uppers, suitcases, bags, jeans, sunshade, etc.

## Features

- Produce five(5) different ornamental stitches.
- Suitable for heavy materials.
- Automatic presser foot lift.
- Semi-Long arm (working space 320 mm).
- Cord insert available.
- Reverse stitching by stitch adjusting lever.
- Easy to change the cam.
- Available to adjust the height of roller presser foot at 4.0mm MAX.



SEWING CONDITION



CAM SECTION

## Specifications

Variety	THM-26B-1-FL
Number of needle	Two needle
Max. sewing speed	550 s.p.m.
Max. stitch length	5/16" (8 mm)
Clearance under presser foot	25/64" (9 mm)
Needle bar stroke	2-13/64" (50 mm)
Needle(standard)	DDx1 (#24)
Thread	#2 - #00 (standard #2)
Needle Gauge	6.0mm (standard) , 8.0mm
Hook	Large oscillating shuttle hook
Presser foot lifting	Pneumatic
Thread take up lever	Cam type
Lubrication	Hand type
Bed size	572 x 253 mm
Working space	320 x 182 mm
Motor	AC Servo Motor
Net weight(Head only)	73 Kg

NOTE: (1) Speed depends on threads, materials and type of operation (2) Specifications subject to change without notice



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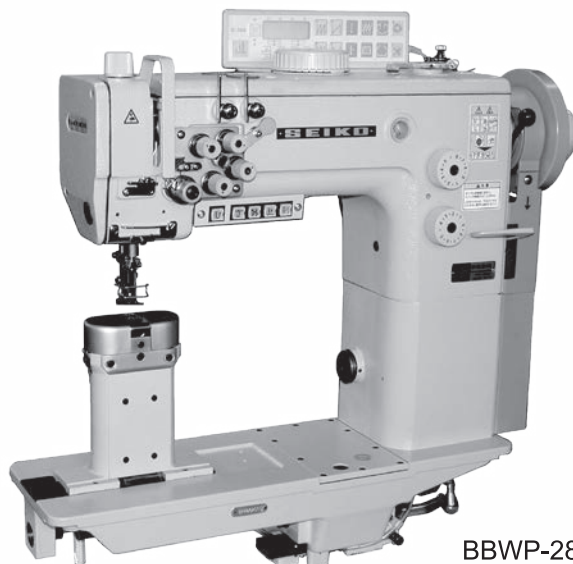
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# BBWP series

High speed, Post bed, Compound feed and walking foot,  
Large vertical axis hook, Reverse stitch, Lockstitch machines



BBWP-28BL-BTFL-CD-DS

## Variety



### **BBWP-8BL**

Single needle.



### **BBWP-8BL-BTFL**

Single needle, automatic back tack, automatic presser foot lift.



### **BBWP-8BL-BTFL-CD-DS**

Single needle, automatic back tack, automatic presser foot lift, climbing device, dual stitching device.



### **BBWP-28BL**

Two needle.



### **BBWP-28BL-BTFL**

Two needle, automatic back tack, automatic presser foot lift.

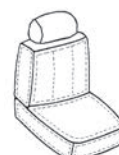


### **BBWP-28BL-BTFL-CD-DS**

Two needle, automatic back tack, automatic presser foot lift, climbing device, dual stitching device.

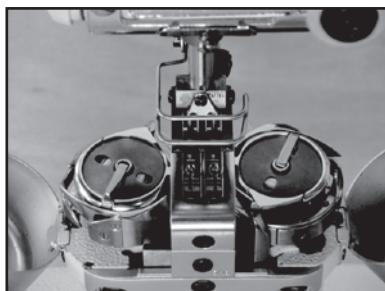
## Applications

- For sewing medium to heavy weight materials such as leather, vinyl, synthetics and laminated and coated materials
- Suitable for sewing such as automobile upholstery tarpaulins, covers, awnings, tents, umbrellas, handbags, luggage, travelware accessories, sports and camping equipment and wearing apparel outdoor clothing.

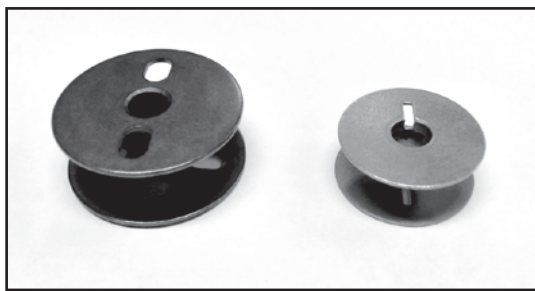


## Features

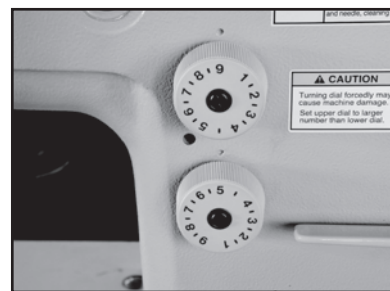
- Longer stitch length quiet sewing operation
  - \* Max. 9mm for both forward and reverse feed stitching.
  - \* Compound feed and walking foot for positive stitching formation.
- BBWP series are equipped with a large vertical axis hook(2.0 times)
  - \* Large capacity hook minimizes the time to replace the bobbin thread in stitching of thick thread.
  - \* This hook promote highly efficient operation by reducing the frequency of bobbin thread replacement.
- Safety device
  - \* Safety device prevents damage to hook and thread handling parts caused by thread jamming.
- One touch switchover for two different stitch lengths (DS device)
  - \* Variety sewing materials such as steps, curves, uneven thickness can be performed by one touch switchover setting two different stitch lengths. The efficient work and beautiful finishes will be obtained.



2.0 times large capacity hook

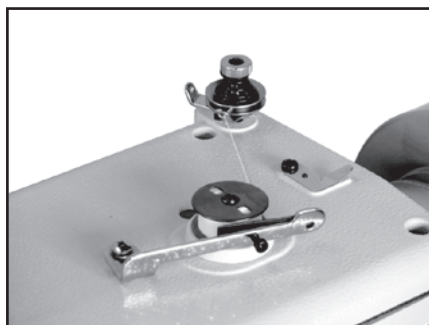


Comparison of the bobbin size

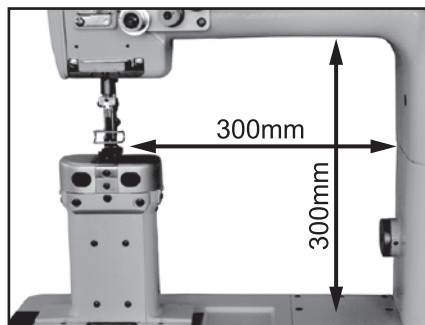


One touch switchover for two different stitch lengths (DS device)

- Built-in bobbin winder
  - \* Built-in bobbin winder makes it possible to wind the bobbin thread during sewing operation.
- Wide working space
  - \* 300 mm working space, from the needle to the sewing machine arm, makes sewing works easy to handle heavy weight and even large materials.
- Large clearance under presser foot
  - \* The clearance under the presser foot (16mm), makes it easy to put heavy weight materials in and out.



Built-in bobbin winder



Wide working space



The clearance under the presser foot (16mm)

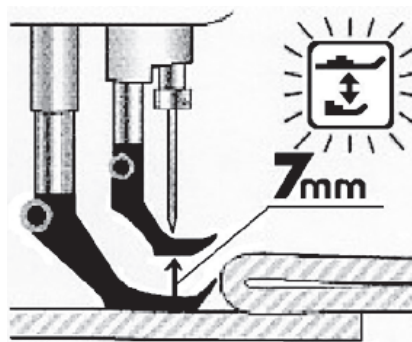
- Simple setting for alternating presser foot movement
  - \* Alternating presser foot movement between inner foot and outer foot can be changed simply by the easy-to-handle dial located at the top of the sewing machine.
  - \* Once the alternating movements have been set, the sewing speed is automatically controlled to the optimum speed so that stable sewing is maintained.
- Smooth stitching on step section (CD device)
  - \* The presser foot movement can be changed to maximum momentum (7mm) by button. Uneven thickness of materials can be smoothly performed changing the movement right before the uneven point.

- 5 operational switches improve working efficiency

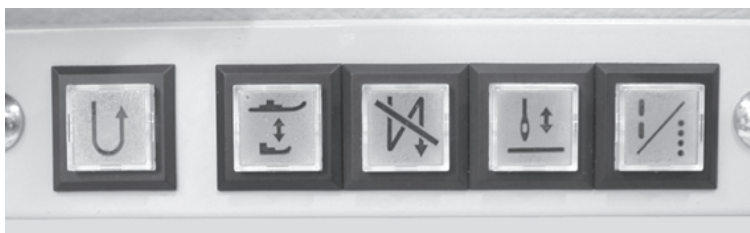
- \* 5 switch buttons are panelled on the convenient positions improve the efficient works.



Simple setting for alternating presser foot movement



Smooth stitching on step section (CD device)



## 5 operational switches

- \* Quick reverse switch
- \* Walking foot movement change switch
- \* Auto backtack select switch
- \* Half stitch switch
- \* Stitch length change switch

- Center guide (optional parts)

- \* Lifting presser foot with a central guide (optional parts)

- Guide (optional parts)

- \* The edge roller guide (Part no.60546C) which is being used by BBW series machine can be used in its as is status.



On duty



Off duty

## Specifications (BBWP-□)

Variety		8BL	8BL-BTFL	8BL-BTFL-CD-DS	28BL	28BL-BTFL	28BL-BTFL-CD-DS
Number of needle		Single needle			Two needle		
Max. sewing speed		2,500s.p.m. (Refer to list below)					
Max. stitch length		9 mm					
Clearance under presser foot	by hand	9 mm					
	by knee	16 mm	-		16 mm	-	
	by automatic foot lifter	-	16 mm		-	16 mm	
Needle bar stroke		34 mm					
Needle (standard)		135 x 17 #110 - #200 (#180) , DP x 17 #18 - #25 (#24)					
Thread		#20 - #1 (standard #5)					
Hook		Large vertical axis hook (2.0 times)					
Post height		178 mm					
Thread take up lever		Link type					
Amount of walking foot movement		1-6.5mm	1-7 mm		1-6.5mm	1-7 mm	
Walking foot movement change switch		Dial type					
Bobbin winder		Built-in type located at the top of the sewing machine					
Auto presser foot lifting device		-	Pneumatic		-	Pneumatic	
Walking foot movement change device		-	Pneumatic		-	Pneumatic	
Safety device		standard					
Lubrication		Semi-automatic lubrication type					
Bed size / Working space		567 x 177 mm / 300 x 300 mm					
Net weight (Head only)		61Kg	63Kg	64Kg	61Kg	63Kg	64Kg
Motor		Clutch motor	AC Servo motor		Clutch motor	AC Servo motor	

NOTE : (1)Speed depends on threads, materials and type of operation. (2)Specifications subject to change without notice

## Sewing speed range

Amount of walking foot movement	Stitch length	
	6 mm and less	6 mm ~ 9 mm
1 mm ~ 2 mm	2500 s.p.m	2000 s.p.m.
3 mm	2400 s.p.m.	
4 mm	2300 s.p.m.	
5 mm ~ 7 mm	2000 s.p.m.	

## BBWP-□

	8BL-BTFL	8BL-BTFL-CD-DS
Quick reverse feed (BT)	○	○
Auto presser foot lifting (FL)	○	○
Walking foot movement changeover (CD)	-	○
Stitch length change (DS)	-	○

## Needle gauge list

Variety	Needle gauge size
<b>BBWP-28BL</b>	standard : 1/4"(6.4 mm), 5/16"(7.9 mm), 3/8"(9.5 mm) special : 1/8"(3.2 mm), 3/16"(4.8 mm)



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# LHPWN series

Single needle, High speed, Extra high post bed, Compound feed and walking foot, Reverse stitch, Left post, Lockstitch machines



LHPWN-8B-3-SF-LP

## Variety



### LHPWN-8B-3-SF-LP

Slim post, standard vertical axis hook



### LHPWN-8B-3-TA-SF-LP

Slim post, standard vertical axis hook, for thick thread

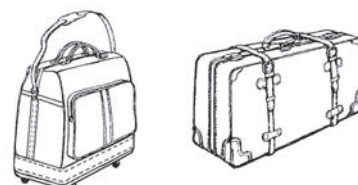


### LHPWN-8BL-3-LP

Large vertical axis hook

## Applications

- For sewing medium to heavy weight materials such as leather, vinyl, synthetics and laminated and coated materials.
- Suitable for sewing such products as bags, boots, travel cases and automobile upholstery.





## Features (LHPWN-□)

- Improved exposure of arm-feeding mechanism components which provides safety environment. (mechanical part of alternating presser foot, foot lifter mechanism(knee lifter) and presser foot spring)
- Extra high post 17" bed and wide working space makes it easy for sewing of large materials.
- The reduced distance between the needle and the edge of throat plate (2.0mm) for sewing goods with narrow margin beautifully.(8B-3-SF-LP, 8B-3-TA-SF-LP only as an option)
- Available to sew the smaller materials by new designed throat plate and hook cover. (8B-3-SF-LP, 8B-3-TA-SF-LP only as an option)
- Easy to adjust the stitch length by adjusting Dial.
- Safety clutch prevents the hook from being damaged.
- Right post type is available.



LHPWN-8B-3-SF-LP



LHPWN-8BL-3-LP

## Specifications (LHPWN-□)

Variety		8B-3-SF-LP	8B-3-TA-SF-LP	8BL-3-LP
Number of needle		Single needle		
Max. sewing speed		1,600 s.p.m.	1,200 s.p.m.	2,200 s.p.m.
Max. stitch length		13/64" (5 mm)	9/32" (7 mm)	7/32" (5.5 mm)
Clearance under presser foot	by pedal	5/8" (16 mm)		
	by hand	21/64" (8.5 mm)		
Needle bar stroke		1-25/64" (35.4 mm)		
Needle(standard)		DPx17(#22), 135x17(#140)	DPx17(#25), 135x17(#200)	DPx17(#22) , 135x17(#140)
Thread		#8 (standard)	lower #8, upper #0	#8 (standard)
Hook		Vertical axis hook		Large vertical axis hook (2.0times)
Amount of lift of walking foot		7/64"-7/32" (2.7 - 5.5 mm)		
Thread take up lever		Slide type		
Lubrication		Semi-automatic lubrication type		
Bed size		20-25/64"x 7" (518 x 177 mm)		
Working space		10-5/32"x 21-25/32" (258 x 553 mm)		
Post height		17-33/64" (445 mm)		17-7/16" (443 mm)
Motor		Clutch motor		
Net weight(Head only)		64 Kg		67.5 Kg

NOTE: (1) Speed depends on threads, materials and type of operation  
(2) Specifications subject to change without notice



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# LPW-28BLK (angular stitch)

Two needle, High speed, Post bed, Large vertical axis hook, Compound feed and walking foot, Reverse stitch, Disengageable needle bars, Lockstitch machine



LPW-28BLK

## Variety

### LPW-28BLK



Angular stitching and/or straight stitching can be made by simplified operation

## Applications

- For sewing medium to heavy weight fabrics, leather, vinyl, synthetics and laminated and coated materials.
- Suitable for sewing operations which require decorative or functional angular stitching such as collars, pockets, shoe uppers, automobile upholstery, etc.



# LPW-28BLK (angular stitch)

## Features

- Post bed and wide working space makes it easy for sewing of large materials.
- Easy operation of disengageable right and left needle bars by use of finger touch lever.
- Compound feed and alternating pressers mechanism assures even feeding of materials.
- Semi-automatic lubrication system.
- Large vertical axis hook.
- Safety clutch prevents the hook from being damaged.

## Specifications

Variety	LPW-28BLK	
Number of needle	Two needle	
Max. sewing speed	2,200 s.p.m.	
Max. stitch length	7/32" (5.5 mm)	
Clearance under presser foot	by knee	35/64" (14 mm)
	by hand	21/64" (8.5 mm)
Needle bar stroke	1-9/32" (32.6 mm)	
Needle(standard)	DPx17 (#24) , 135x17 (#180)	
Thread	#5 (standard)	
Hook	Large vertical axis hook (2.0 times)	
Amount of lift of walking foot	3/32"-3/16" standard 1/8" (2.5 - 5 mm) (standard 3.2 mm)	
Thread take up lever	Slide type	
Lubrication	Semi-automatic lubrication type	
Bed size	20-25/64" x 7" (518 x 177 mm)	
Post height	7" (178 mm)	
Working space	10-5/32"x11-11/32" (258 x 288 mm)	
Motor	Clutch motor	
Net weight(Head only)	44 Kg	

NOTE: (1) Speed depends on threads, materials and type of operation  
(2) Specifications subject to change without notice

## Needle gauge list

Variety	Needle gauge size
<b>LPW-28BLK</b>	standard : 1/4"(6.4 mm), 5/16"(7.9 mm), 3/8"(9.5 mm) special : 1/8"(3.2 mm), 3/16"(4.8 mm)



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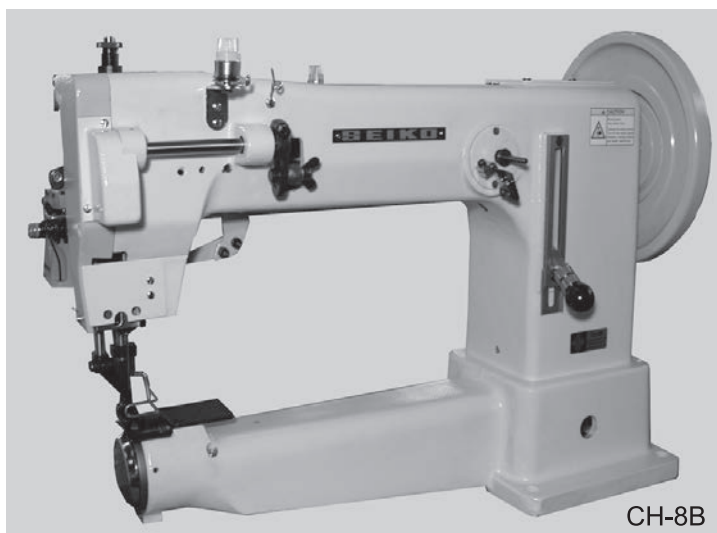
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# CH series

Single needle, Extra heavy duty, Large oscillating shuttle hook, Reverse stitch, Long arm, Cylinder bed, Lockstitch machines



## Variety



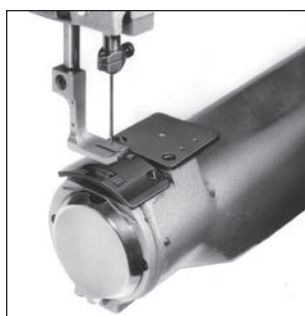
### CH-7B

Compound feed

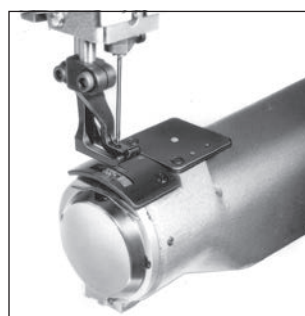


### CH-8B

Compound feed and walking foot



CH-7B



CH-8B

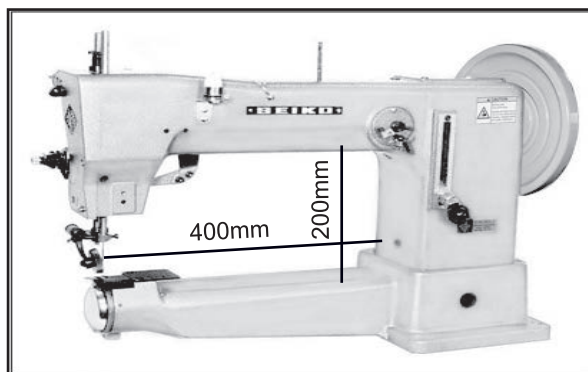
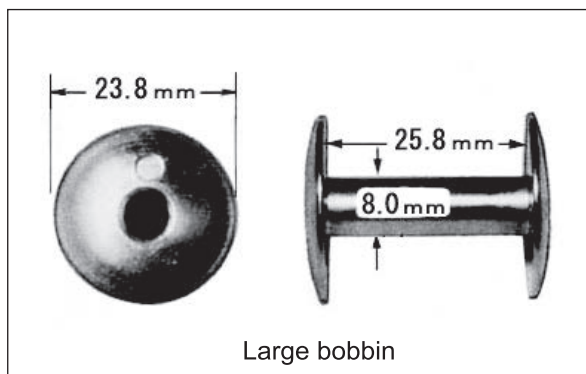
## Applications

- For sewing heavy weight materials such as canvas, vinyl, leather, synthetics and various coated, laminated and rubberized fabrics.
- Suitable for sewing tubular and curved work, etc.



## Features

- Large oscillating shuttle hook with extra large capacity bobbin.
- Extra long arm. [working space 15-3/4"(400 mm)]
- Extra high presser lift for sewing extra heavy materials.
- Reverse stitch by stitch adjusting lever.
- Built-in bobbin winder.
- Automatic back tack(BT) and automatic presser foot lift(FL) are available.



The practical use of wide working space(200 × 400), high presser lift amount (20mm by knee lifter) and large hook make it possible wide application for heavy weight materials.

## Specifications (CH-□)

Variety		7B	8B
Number of needle		Single needle	
Max. sewing speed		800 s.p.m.	
Max. stitch length		25/64" (10 mm)	
Clearance under presser foot	by knee	25/32" (20 mm)	63/64" (25 mm)
	by hand	25/64"(10 mm)	25/64" (10 mm)
Needle bar stroke		2" (51 mm)	2-13/64"(56 mm)
Needle(standard)		DDx1(#24), 328(#180)	DYx3 (#24), 794(#180)
Hook		Large oscillating shuttle hook	
Thread		#8 - #0 (standard #5)	
Amount of lift of walking foot		-	1/8"-15/64" standard 5/32" (3 - 6 mm) (standard 4 mm)
Thread take up lever		Cam type	
Lubrication		Hand type	
Bed size		23-5/8"x 3-15/64" (600 x 82 mm)	
Cylinder size		3-15/64" (82 mm) dia.	
Working space		15-3/4"x 7-7/8" (400 x 200 mm)	
Motor		Clutch motor	

NOTE: (1) Speed depends on threads, materials and type of operation (2) Specifications subject to change without notice



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# CW series

Single needle, High speed, Cylinder bed, Vertical axis hook, Compound feed and walking foot, Reverse stitch, Lockstitch machines



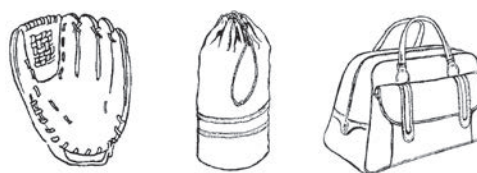
CW-8B-2

Variety

**CW-8B-2**

## Applications

- Designed for stitching tubular and curved work.
- Suitable for sewing such products as caps, cushions, boots, shoes, bags, luggage, handbags, travelware accessories, etc.



## Features

- Vertical axis hook.
- Safety clutch prevents the hook from being damaged.
- Reverse stitching by stitch adjusting lever.
- Compound feed and walking foot mechanism assures even feeding of materials.
- Semi-automatic lubrication system and large hook machines are available. (LCW series)

## Specifications

Variety	CW-8B-2	
Number of needle	Single needle	
Max. sewing speed	2,500 s.p.m.	
Max.stitch length	13/64" (5 mm)	
Clearance under presser foot	by pedal	35/64" (14 mm)
	by hand	21/64" (8.5 mm)
Needle bar stroke	1-5/16" (33.2mm)	
Needle(standard)	DPx17 (#22) , 135x17 (#140)	
Thread	#8 (standard)	
Hook	Vertical axis hook	
Amount of lift of walking foot	7/64"-7/32" standard 1/8" (2.7 - 5.5 mm) (standard 3.2 mm)	
Thread take up lever	Slide type	
Lubrication	Hand type	
Cylinder size	2-9/16"(65 mm) dia.	
Working space	10-5/32"x 4-21/64" (258 x 110 mm)	
Motor	Clutch motor	
Net weight(Head only)	32Kg	

NOTE: (1) Speed depends on threads, materials and type of operation  
(2) Specifications subject to change without notice



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# LCWN single needle series

High speed, Cylinder bed, Large vertical axis hook,  
Compound feed and walking foot, Reverse stitch, Lockstitch machines



## Variety

### LCWN-8BL

### LCWN-8BL-TA

For thick thread

### LCWN-8BL-CB

Small sized cylinder edge

### LCWN-8BL-CB-TA

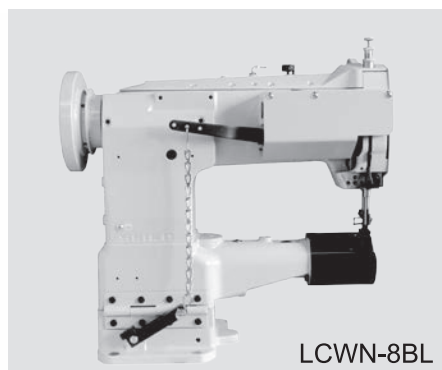
Small sized cylinder edge, for thick thread

### LCWN-8BLV

Synchronized binding

### LCWN-8BLV-CB

Synchronized binding, small sized cylinder edge



## Applications

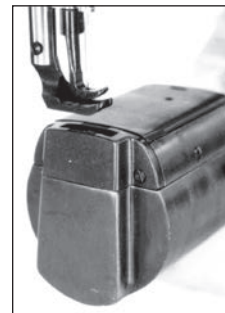
- For sewing medium to heavy weight fabrics, leather, synthetics, canvas and various coated and laminated materials.
- Suitable for sewing tubular and curved work such as shoes, boots, bags and handbags.



# LCWN single needle series

## Features (LCWN-□)

- Improved exposure of arm-feeding mechanism components which provides safety environment. (mechanical part of alternating presser foot, foot lifter mechanism(knee lifter) and presser foot spring)
- Semi-automatic lubrication system.
- Large vertical axis hook.
- Safety clutch prevents the hook from being damaged.
- Reverse stitching by stitch adjusting lever.
- Special designed cylinder edge for the special stitching on uneven materials. (8BL-CB, 8BL-CB-TA, 8BLV-CB)
- Synchronized binder available.(8BLV, 8BLV-CB)
- Automatic presser foot lift (FL) available as option.



LCWN-8BL-CB

## Specifications (LCWN-□)

Variety		8BL	8BL-CB	8BLV	8BLV-CB	8BL-TA	8BL-CB-TA
Number of needle		Single needle					
Max. sewing speed		2,000 s.p.m.				1,800 s.p.m.	
Max. stitch length		1/4" (6.2 mm)					
Clearance under presser foot	by knee	5/8" (16 mm)					
	by hand	21/64" (8.5 mm)					
Needle bar stroke		1-25/64" (35.4 mm)					
Needle(standard)		DPx17 (#22) , 135x17 (#140)				DPx17 (#25) , 135x17 (#200)	
Thread		#8 (standard)				#0 (Upper & Lower thread)	
Hook		Large vertical axis hook (2.0 times)					
Amount of lift of walking foot		1/8"-15/64" (3.2 - 6 mm) standard 1/8" (standard 3.2 mm)					
Thread take up lever		Slide type					
Lubrication		Semi-automatic lubrication type					
Cylinder size		3-1/32"(77 mm) dia.					
Working space		10-5/32"x 4-21/64" (258 x 110 mm)					
Motor		Clutch motor					
Net weight(Head only)		33 Kg				34 Kg	

NOTE: (1) Speed depends on threads, materials and type of operation

(2) Specifications subject to change without notice



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# LSC series

Single needle, High speed, Narrow cylinder bed, Horizontal axis hook, Compound feed and walking foot, Reverse stitch, Lockstitch machines



LSC-8B-2

## Variety



### LSC-8B-2

Standard hook



### LSC-8BV-2

Standard hook, synchronized binder



### LSC-8BLV-1

Large hook, synchronized binder



### LSC-8BLH-1

Large hook, horizontal feed

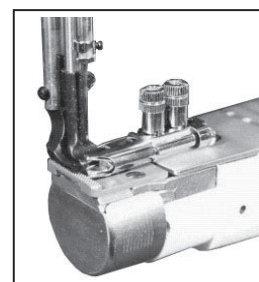


### LSC-8BHC

Standard hook, thread trimmer, horizontal feed



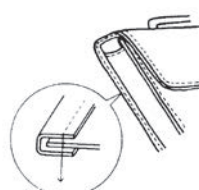
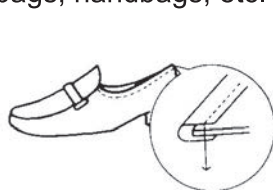
LSC-8BLV-1



Synchronized binder

## Applications

- For sewing medium to heavy weight fabrics, leather, vinyl, synthetics and laminated and coated materials.
- Suitable for tubular and curved products with narrow openings such as hats, caps, shoes, bags, handbags, etc.



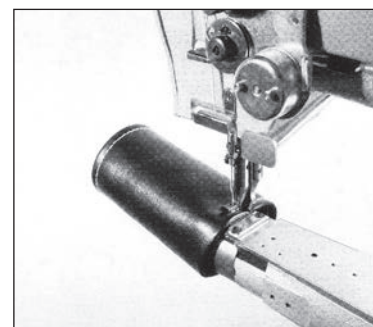


## Features (LSC-□)

- Narrow cylinder bed 1-13/16"(46 mm) dia.  
\* Large hook machines : 1-31/32"(50 mm) dia.
- Semi-automatic lubrication system.
- Horizontal axis hook (standard or large capacity hook).
- Reverse stitching by stitch adjusting lever.
- Thread trimmer. (8BHC)
- Compound feed and walking foot mechanism assures even feeding of several piles or of slippery materials.
- Synchronzied binder. (8BLV-1, 8BV-2)
- Automatic back tack (BT) and foot lift (FL) available.



LSC-8B-2



## Specifications (LSC-□)

Variety		8B-2	8BV-2	8BLV-1	8BLH-1	8BHC
Number of needle		Single needle				
Max. sewing speed		2,300 s.p.m.	2,500 s.p.m.	2,200 s.p.m.		2,500 s.p.m.
Max. stitch length		15/64" (6 mm)		9/32" (7 mm)	15/64" (6 mm)	
Clearance under presser foot	by pedal	33/64" (13 mm)				33/64" (13 mm)
	by hand	5/16" (8 mm)				9/32" (7 mm)
Needle bar stroke		1-5/16" (33.2 mm)				
Needle(standard)		DPx17 (#18) 135x17 (#110)	DPx17 (#16) 135x17 (#100)	DPx17 (#16) 135x17 (#100)		DPx17 (#18) 135x17 (#10)
Thread		#20(standard)	#30(standard)	#30(standard)		#20(standard)
Hook		Horizontal axis hook		Large horizontal axis hook(2.0times)		Horizontal axis hook
Amount of lift of walking foot		1/8"-15/64" standard 5/32" (3 - 6 mm) (standard 4 mm)				
Thread take up lever		Slide type				
Lubrication		Semi-automatic lubrication type				
Cylinder size		1-13/16" (46 mm) dia.		1-31/32" (50 mm) dia.		1-13/16" (46 mm) dia.
Working space		10-5/32"x 4-21/64" (258 x 110 mm)				
Motor		Clutch motor				AC servo motor
Net weight(Head only)		29 Kg				30 Kg
Feeding system		elliptical	horizontal			

NOTE: (1) Speed depends on threads, materials and type of operation  
(2) Specifications subject to change without notice



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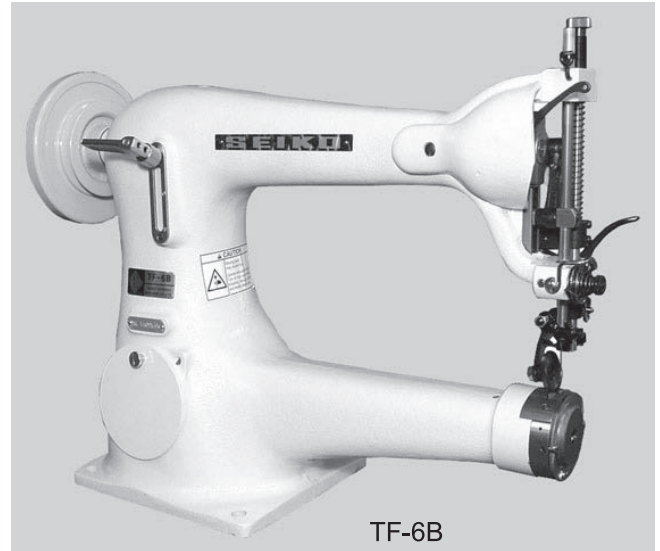
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# TE/TF series

Single needle, Cylinder bed, Oscillating shuttle hook, Lower feed, Lockstitch machines



## Variety



**TE series**

**TE-6**

**TE-6B**

Reverse stitch



**TF series** (Left side pulley)

**TF-6**

**TF-6B**

Reverse stitch

## Applications

- For sewing light to medium heavy weight materials such as leather, vinyl, bags, pouches, various sports equipments and other curved work.

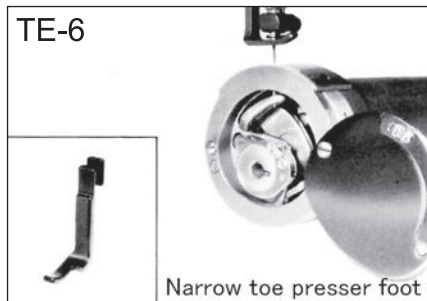


## Features

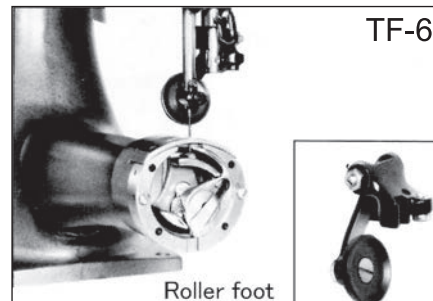
- Standard is narrow toe presser foot and roller foot is supplied as accessories. (TE series)
- This is a convenient type machine that the left hand of the operator is usable in sewing operation, due to the feature of lefthand cylinder bed. (TF series)
- Standard foot is roller foot and narrow toe presser foot is supplied as accessories.
- Suitable for sewing of high-class products, due to the feature of the oscillating hook, which ensures perfect seam tightness.



Long beak oscillating shuttle hook



Narrow toe presser foot



Roller foot

- Long beak oscillating shuttle hook
- Cam take-up
- Reverse stitching by stitch adjusting lever. (TE-6B & TF-6B)
- Cloth plate for flat work available at extra charge (Part no. 8136C)



TE-6



TF-6

## Specifications (TE-□/TF-□)

Variety		TE-6	TE-6B	TF-6	TF-6B
Number of needle		Single needle			
Max. sewing speed		1,400 s.p.m.			
Max. stitch length		15/64" (6 mm)	13/64" (4.5 mm)	13/64" (5 mm)	5/32" (3.5 mm)
Clearance under presser foot	by knee	25/64" (10 mm)			
	by hand	9/32" (7 mm)			
Needle bar stroke		1-27/64" (36 mm)			
Needle(standard)		DB x 1 (#19), 16 x 231 (#120)		TF x 2 (#11), 34LL (#75)	
Thread		#20 (standard)		#40 (standard)	
Hook		Long beak oscillating shuttle hook			
Presser foot	standard	Narrow toe		Roller	
	accessories	Roller		Narrow toe	
Thread take up lever		Cam type			
Lubrication		Hand type			
Cylinder size		2-27/64" (61.5 mm) dia.		2-1/2" (63.5 mm) dia.	
Working space		11-1/32" x 5-5/16" (280 x 135 mm)		11-1/32"x 5-33/64" (280 x 140 mm)	
Motor		Clutch motor			
Net weight(Head only)		18 Kg		21 Kg	

NOTE: (1) Speed depends on threads, materials and type of operation  
(2) Specifications subject to change without notice



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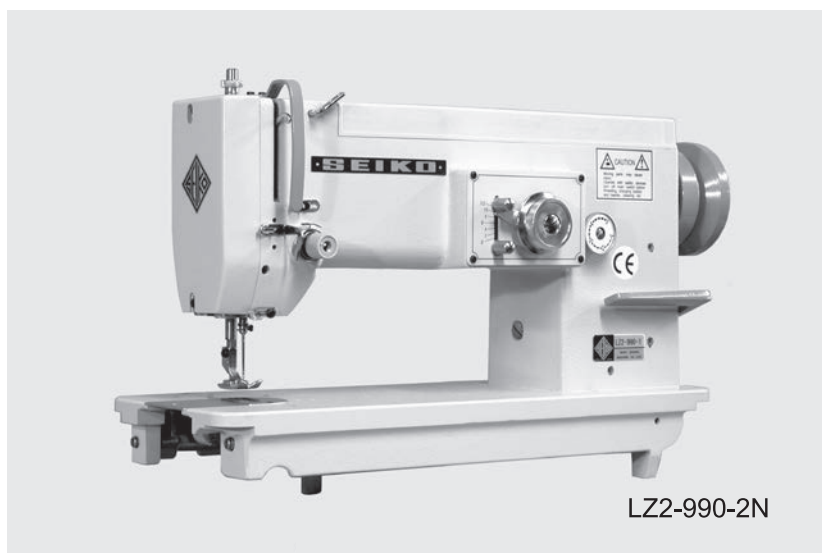
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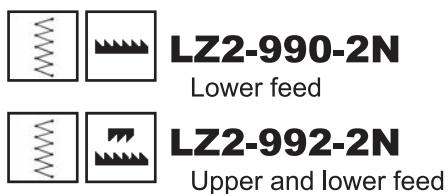
# LZ2 series

Single needle, Light to medium duty, Large horizontal axis hook, Reverse stitch, Zig-zag stitch(Lockstitch) machines

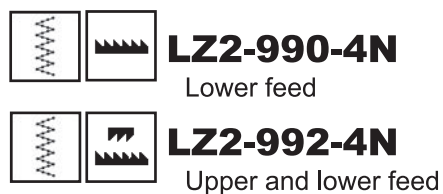


## Variety

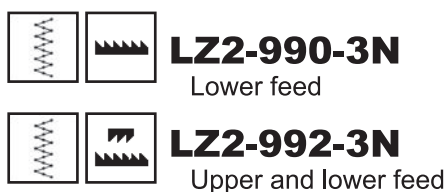
### 2-point(1-step) zig-zag



### 4-point(3-step) zig-zag



### 3-point(2-step) zig-zag



## Applications

- For sewing light to medium weight materials such as fabrics, leather, canvas, and vinyl.
- Suitable for sewing such as leather garment, shoe upper, leather glove.

## Features

- Suitable for light to medium materials
- Large horizontal axis rotary hook
- Extra wide zig-zag
- 20 inches long arm model is available

## Specifications

Variety		LZ2-990 series	LZ2-992 series
Number of needle		Single needle	
Max. sewing speed		2,800 s.p.m.	2,500 s.p.m.
Max. stitch length		4.5 mm	
Zig-Zag width		0- 9.5 mm	
Clearance under presser foot	by knee	9.0 mm	
	by hand	8.0 mm	
Needle Bar Stroke		34.6mm	
Needle(standard)		DP x 17 (#19)	
Thread		#30 (standard)	
Hook		Large horizontal axis hook (2.0 times)	
Lubrication		Semi-automatic lubrication type	
Bed size		477 x 177 mm	
Working space		258 x 110 mm	
Net weight (Head only)		28 Kg	
Motor		Clutch motor	

NOTE: (1) Speed depends on threads, materials and type of operation  
 (2) Specifications subject to change without notice



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# SKZ series







Single needle, Extra heavy duty, Extra large horizontal axis hook, Reverse stitch, Zig-zag stitch(lockstitch)machines









SKZ-6B

## Variety

### 2-point(1-step) zig-zag

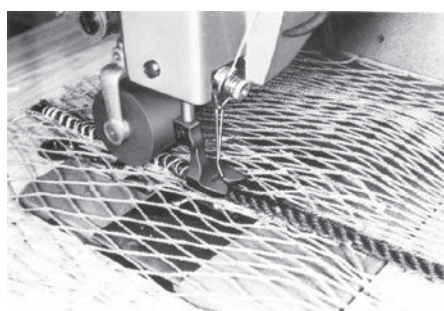
		<b>SKZ-2B</b> Upper and lower feed
		<b>SKZ-6B</b> Lower feed
		<b>SKZ-6BR</b> Lower feed, cloth puller

### 3-point(2-step) zig-zag

		<b>SKZ-2B-3</b> Upper and lower feed
		<b>SKZ-6B-3</b> Lower feed
		<b>SKZ-6BR-3</b> Lower feed, cloth puller

## Applications

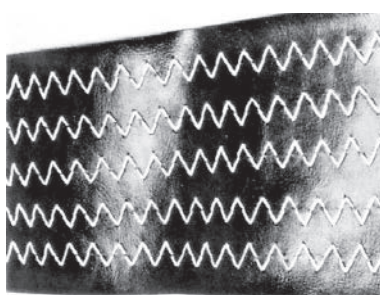
- For sewing medium to extra heavy weight materials such as fabrics, leather, canvas, and vinyl.
- Suitable for sewing such as luggage, rope, blankets, nets(fishing net), carpets.



SKZ-6BR

\*Suit for repairing fishing net

Puller performs exact stitching, by fixing flexible materials, thus suitable for sewing and repairing vinyl made fishing net, etc.



SKZ-6B-3

\*Suit for sewing elastic and stretching materials

Three steps zig zag stitching suitable for sewing elastic and stretching materials on foundation. (Sewing type 308)



## Features (SKZ-□)

- Suitable for ultra heavy materials
- Puller performs accurate feed for ultra heavy materials (6BR, 6BR-3)
- Large horizontal axis rotary hook
- Extra wide zig-zag
- Cording foot available
- From wider zig-zag stitch to straight stitch

\*Various zig zag stitch can easily be made, from 12.7mm to 0mm straight stitch, suit to wide application.



SKZ-6B



SKZ-6B

## Specifications (SKZ-□)

Variety		2B	2B-3	6B	6BR	6B-3	6BR-3
Number of needle		Single needle					
Max. sewing speed		1,000 s.p.m.					
Max. stitch length		19/64" (7.5 mm)	5/32" (4 mm)	19/64" (7.5 mm)			
Zig-Zag width		0 -1/2" (0 -12.7 mm)					
Clearance under presser foot	by knee	7/16" (11 mm)					
	by hand	25/64" (10 mm)					
Needle bar stroke		2" (50.8 mm)					
Needle (standard)		DD x H14 (#25)					
Thread		#5 (standard)					
Hook		Extra large horizontal axis hook					
Thread take up lever		Link type					
Lubrication		Hand type					
Bed size		20-33/64"x 9-59/64" (521 x 252 mm)					
Working space		10"x 7- 43/64" (254 x 195 mm)					
Motor		Clutch motor					

NOTE: (1) Speed depends on threads, materials and type of operation  
(2) Specifications subject to change without notice



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# BEW Long arm series

30 inch long arm, Large vertical axis hook, Compound feed and walking foot, Reverse stitch, Lockstitch machines.



BEW-8BLCS-30-BTFL-CD-DS

## Variety



### **BEW-8BLCS-30-BTFL-CD-DS**

Single needle, thread trimmer, automatic back tack, automatic presser foot lift, climbing device, dual stitching device



### **BEW-28BLCS-30-BTFL-CD-DS**

Two needle, thread trimmer, automatic back tack, automatic presser foot lift, climbing device, dual stitching device

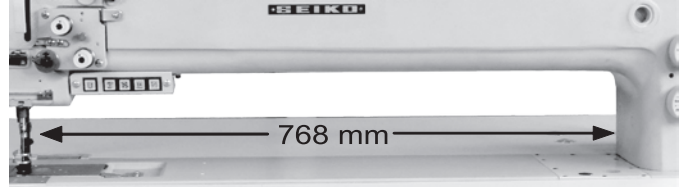
## Applications

- For sewing medium to heavy weight materials such as leather, vinyl, synthetics and laminated and coated materials
- Suitable for sewing such as automobile upholstery, tarpaulins, covers, awnings, tents, umbrellas handbags, luggage, travelware accessories, sports and camping equipment and wearing apparel outdoor clothing.



## Features

- 30 inch long arm, Longer stitch length quiet sewing operation. Max. 9 mm for both forward and reverse feed stitching.
- BEW series are equipped with a large vertical axis hook (2.0 times).
- Safety device & Reliable thread trimming device & One touch switchover for two different stitch lengths. (DS device)
- Built-in bobbin winder & Wide working space (768 mm).
- Large clearance under presser foot. Presser bar lifter.
- 5 operational switches improve working efficiency.
- E type presser foot is available as an option. (BEW-8BLCS-30-BTFL-CD-DS only)
- Simple setting for alternating presser foot movement. Smooth stitching on step section (CD device).



## Specifications (BEW-□)

Variety		8BLCS-30-BTFL-CD-DS	28BLCS-30-BTFL-CD-DS
Number of needle		Single needle	Two needle
Max. sewing speed		2,000 s.p.m.	
Max. stitch length		9 mm	
Clearance under presser foot	by hand	9 mm	
	by automatic foot lifter	16 mm	
Needle bar stroke		37 mm	
Needle (standard)		135 x 17 #110 - #200 (#160), DP x 17 #18 - #25 (#23)	
Thread		#30 - #1 (standard #5)	
Hook		Large vertical axis hook (2.0 times)	
Thread length after trimming		27 mm	
Thread take up lever		Slide type	
Amount of walking foot movement		1 - 7 mm	
Walking foot movement change switch		Dial type	
Bobbin winder		Built-in type located at the top of the sewing machine	
Auto presser foot lifting device		Pneumatic	
Walking foot movement change device		Pneumatic	
Safety device		standard	
Lubrication		Automatic lubrication type	
Bed size / Working space		1033 x 177 mm / 768 x 120 mm	
Net weight (Head only)		74 Kg	75 Kg
Motor		AC Servo motor	

NOTE: (1) Speed depends on threads, materials and type of operation  
(2) Specifications subject to change without notice



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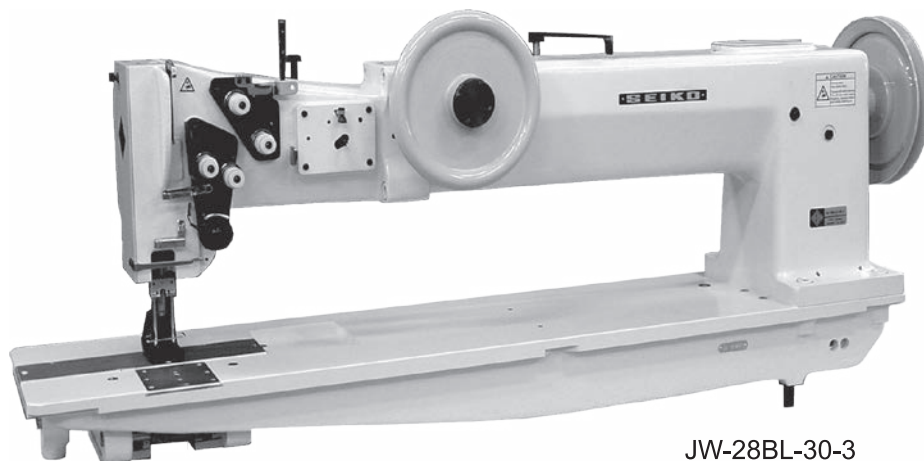


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# JW series

Extra heavy duty, 30 inch long arm, Extra large vertical axis hook, Compound feed and walking foot, Reverse stitch, Lockstitch machines



JW-28BL-30-3

## Variety



### **JW-8BL-30-3**

Single needle



### **JW-8BLA-30-3**

Single needle, for thick thread



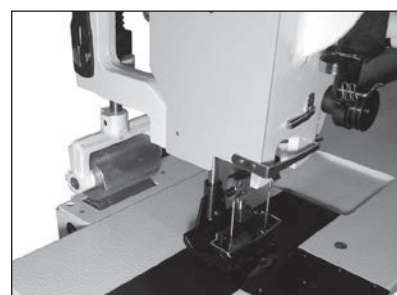
### **JW-28BL-30-3**

Two needle



### **JW-28BLA-30-3**

Two needle, for thick thread



Clutch driven puller feed

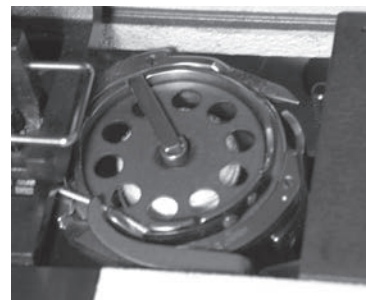
## Applications

- For sewing extra heavy weight materials such as canvas, vinyl, leather, synthetics, and various coated, laminated and rubberized fabrics.
- Suitable for sewing such as tents, tarps, awnings, truck covers, auto marine and furniture upholstery, field covers, fabric structures and heavy bulky products.



## Features

- Long and wide working space is suitable for sizable materials such as tent and sail cloth.
- Extra large vertical axis hook with automatic lubrication.
- Compound feed and walking foot mechanism assures even feeding of materials.
- Double thread tension.
- Safety clutch prevents the hook from being damaged.
- Reverse feed operated by foot pedal.
- Push button stitch regulator.
- Built-in bobbin winder.
- Front handwheel allows for easy positioning of the needle.
- Cloth puller available as option. Add suffix "R" when ordering.
- Automatic back tack (BT) and foot lift (FL) available as option. Add suffix "BT" and "FL" when ordering.



Extra large vertical axis hook

## Specifications (JW-□)

Variety		8BL-30-3	28BL-30-3	8BLA-30-3	28BLA-30-3
Number of needle		Single needle	Two needle	Single needle	Two needle
Max. sewing speed		1,200 s.p.m.		1,000 s.p.m.	
Max. stitch length		25/64" (10 mm)			
Clearance under presser foot	by pedal	29/32" (23 mm)			
	by hand	25/32" (20 mm)			
Needle bar stroke		1-27/32" (46.8 mm)			
Needle(standard)		DY x 3 (#24)		DY x 3 (#29)	
Thread		upper #8 - #0 (standard #5) lower #8		upper #5 - 1.4 mm lower #5	
Hook		Special extra large vertical axis hook			
Amount of lift of walking foot		15/64" - 11/32"    standard 15/64" (6 mm - 9 mm)    (standard 6 mm)			
Thread take up lever		Slide type			
Lubrication		Semi-automatic lubrication type			
Bed size		43 - 5/16" x 9 - 1/16" (1,100 x 230 mm)			
Working space		30" x 6 - 1/32" (762 x 153 mm)			
Motor		Clutch motor		Clutch motor AC Servo motor	

NOTE: (1) Speed depends on threads, materials and type of operation (2) Specifications subject to change without notice

## Needle gauge list

Variety	Needle gauge size
<b>JW-28BL-30-3</b>	standard : 1/4"(6.4 mm), 5/16"(7.9 mm), 3/8"(9.5 mm), 1/2"(12.7 mm), 3/4"(19 mm)
<b>JW-28BLA-30-3</b>	standard : 3/4"(19 mm)

Note: Other needle gauges are available within 5/8" to 1-1/2" at extra cost.



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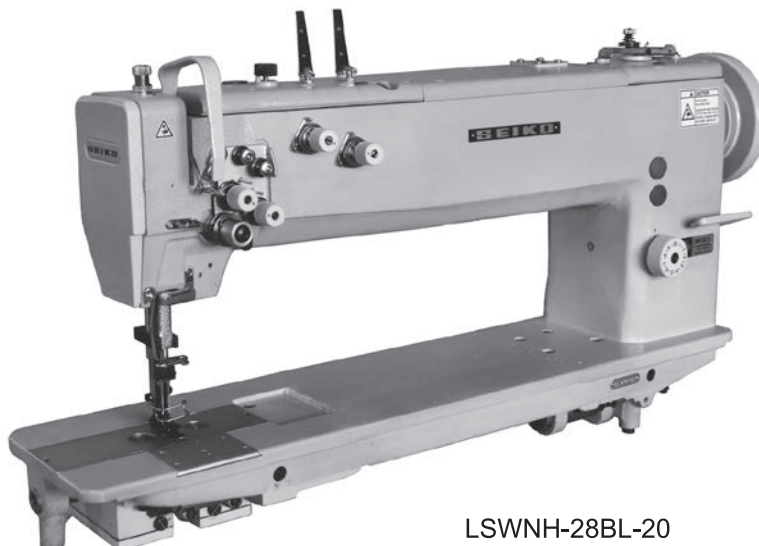


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# LSWNH series

High speed, 20 inch long arm and high arm, Large vertical axis hook, Compound feed and walking foot, Reverse stitch, lockstitch machines.



LSWNH-28BL-20

## Variety



### LSWNH-8BL-20

Single needle



### LSWNH-8BL-20-BTFL

Single needle, automatic back tack, automatic presser foot lift



### LSWNH-8BL-20-TA-BTFL

Single needle, automatic back tack, automatic presser foot lift, for thick thread



### LSWNH-28BL-20

Two needle



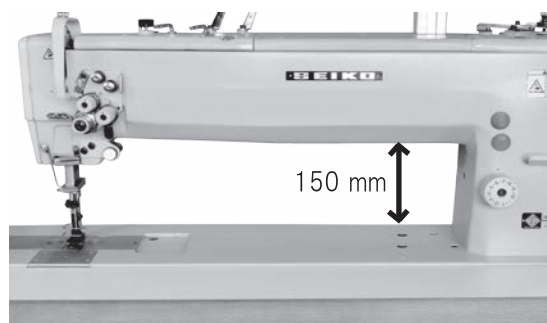
### LSWNH-28BL-20-BTFL

Two needle, automatic back tack, automatic presser foot lift



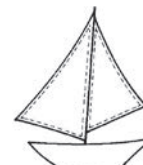
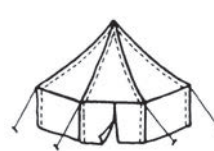
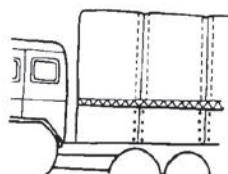
### LSWNH-28BL-20-TA-BTFL

Two needle, automatic back tack, automatic presser foot lift, for thick thread



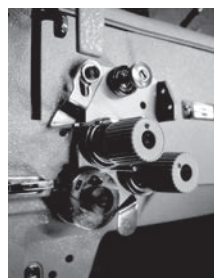
## Applications

- For sewing medium to heavy weight materials such as leather, vinyl, synthetics and laminated and coated materials.
- Suitable for sewing such as tents, covers, sails, awnings, tarpaulins, automobile upholstery.



## Features (LSWNH-□)

- Standard equipment of long stitch (max.10mm) suitable for thick material and amount of alternative presser lift (max.6mm).
- Adoption of feed-adjusting dial which eases determination process of stitch length.
- Plain needle drop area/adoption of open/close simplified face plate which provides wide-ranged movement of sewn material.
- Advanced penetration required for sewing of thick material/adoption of large pulley (O.D. 150mm) which enables the needle bar to be positioned properly.
- Built-in bobbin winder makes it possible to wind the bobbin thread during sewing operation.
- Large capacity hook (2.0 times/Automatic hook lubrication) minimized the time to replace the bobbin thread.
- Safety clutch prevents the hook from being damaged.



Single needle



Two needle

## Specifications (LSWNH-□)

Variety	8BL-20	8BL-20-BTFL	8BL-20-TA-BTFL	28BL-20	28BL-20-BTFL	28BL-20-TA-BTFL
Number of needle	Single needle			Two needle		
Max. sewing speed	1,500 s.p.m.		1,300 s.p.m.	1,500 s.p.m.		1,300 s.p.m.
Max. stitch length	25/64" (10 mm)					
Clearance under presser foot	by pedal	5/8" (16 mm)				
	by hand	9/64" (8.5 mm)				
Needle bar stroke	1-25/64" (35.4 mm)					
Needle(standard)	DP x 17(#22) 135 x 17(#140)		DP x 17(#24) 135 x 17(#180)	DP x 17(#22) 135 x 17(#140)		DP x 17(#24) 135 x 17(#180)
Thread	#8 (standard)					
Hook	Large vertical axis hook (2.0 times)					
Amount of lift of walking foot	1/8"-15/64" standard 5/32" (3 - 6 mm) (standard 4 mm)					
Thread take up lever	Slide type					
Lubrication	Semi-automatic lubrication type					
Bed size	30-45/64" x 7-1/64" (780 x 178 mm)					
Working space	20-5/16" x 5-29/32" (516 x 150 mm)					
Motor	Clutch motor					
Net weight(Head only)	65Kg	66Kg		67Kg	68Kg	

NOTE: (1)Speed depends on thread, materials and type of operations.

(2)Specifications subject to change without notice.



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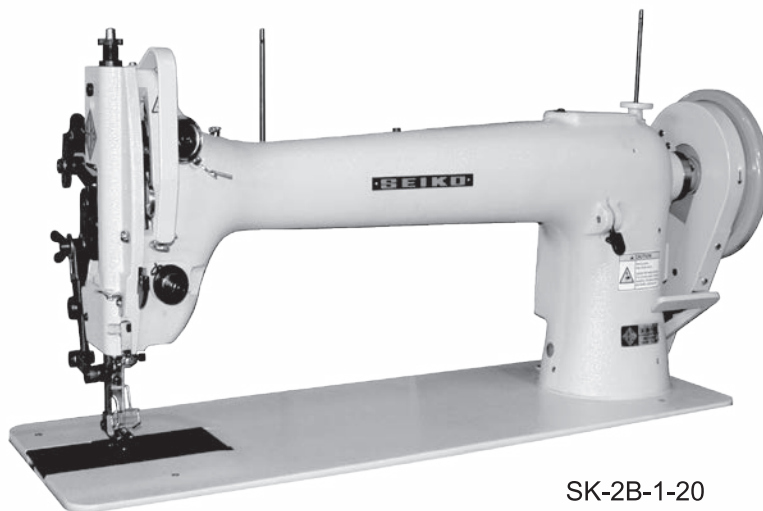
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# SK-2B-1-20

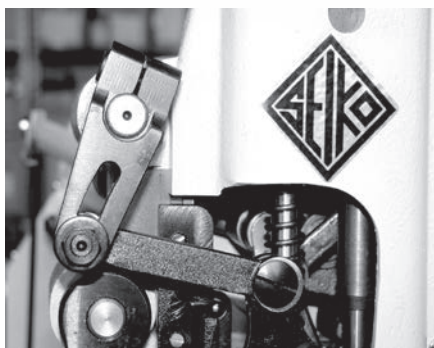
Single needle, Extra heavy duty, 20 inch long arm,  
Large horizontal axis hook, Upper and lower feed,  
Reverse stitch, Lockstitch machines



SK-2B-1-20

## Variety

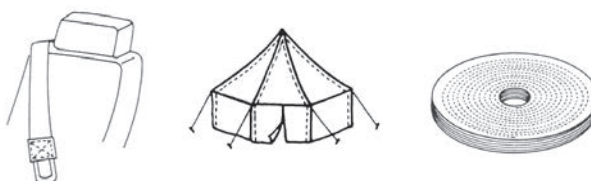
### SK-2B-1-20



Alternating presser foot lift relative parts

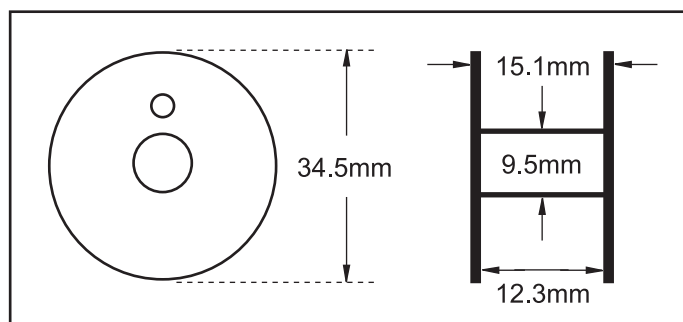
## Applications

- For sewing heavy weight leather, canvas, vinyl, and various coated and laminated fabrics
- Suitable for sewing such products as harnesses, covers, safety belts, tents, sheets, gloves, buffs, and heavy duty travel bags.



## Features

- Horizontal axis rotary hook with extra large capacity bobbin minimizes the time to replace the bobbin thread.
- SK series is the powerful sewing machine in the SEIKO specially designed for ultra heavy duty materials.



Large bobbin

## Specifications

Variety		SK-2B-1-20
Number of needle		Single needle
Max. sewing speed		900 s.p.m.
Max. stitch length		1/2" (13 mm)
Clearance under presser foot	by pedal	35/64" (14 mm)
	by hand	1/2" (13 mm)
Needle bar stroke		2" (50.8 mm)
Needle(standard)		DDx1 (#24) , 328 (#180)
Thread		#0 - #5 (standard #5)
Hook		Large horizontal axis hook
Amount of lift of presser foot		1/8"-15/64" (3 - 6 mm) (standard 4mm)
Thread take up lever		Link type
Lubrication		Hand type
Bed size		30-35/64" x 9-61/64" (776 x 253 mm)
Working space		20-5/64"x 7-31/64" (510 x 190 mm)
Motor		Clutch motor
Net weight(Head only)		71 Kg

NOTE: (1) Speed depends on threads, materials and type of operation  
(2) Specifications subject to change without notice



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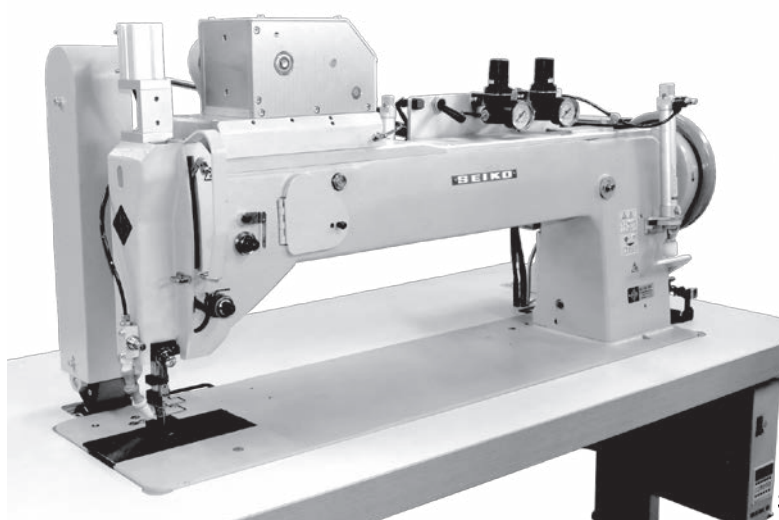
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# SKZ-6B-26R

Single needle, Heavy duty, Extra large horizontal axis hook, Lower feed, Automatic back tack, Automatic presser foot lift, Cloth puller, Reverse stitch, Zig-zag stitch(lockstitch)machines.



SKZ-6B-26R

## Variety

### SKZ-2B-26R



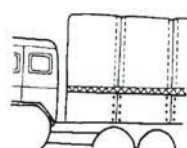
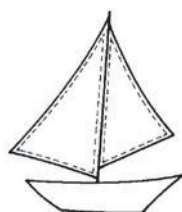
2-point(1-step)zig-zag



4-point(3-step)zig-zag

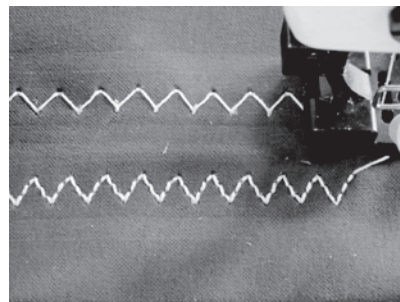
## Applications

- For sewing medium to extra heavy weight materials such as fabrics, leather, canvas, and vinyl.
- Suitable for sewing such as luggage, rope, blankets, nets(fishing net), carpets.



## Features

- Suitable for ultra heavy materials.
- Puller performs accurate feed for ultra heavy materials.
- Large horizontal axis rotary hook.
- Extra wide zig-zag.
- From wider zig-zag stitch to straight stitch.
- \*Various zig zag stitch can easily be made, from 12.7mm to 0mm straight stitch, suit to wide application.
- Automatic backtack and foot lift.
- Pneumatic pressure control.
- Needle cooler.
- 2point and 4point can easily changing by lever.
- 26 inch long arm.



## Specifications

Variety		SKZ-6B-26R
Number of needle		Single needle
Max. sewing speed		700 s.p.m.
Max. stitch length		19/64" (7.5 mm)
Zig-Zag width		0 -1/2" (0 -12.7 mm)
Clearance under presser foot	by pedal	7/16" (11 mm)
	by automatic foot lifter	25/64" (10 mm)
Needle bar stroke		2" (50.8 mm)
Needle (standard)		DD x H14 (#23)
Thread		#5 (standard)
Hook		Extra large horizontal axis hook
Thread take up lever		Link type
Lubrication		Hand type
Bed size		36-19/64"x 9-59/64" (922 x 252 mm)
Working space		26-3/16"x 7- 43/64" (665 x 190 mm)
Motor		AC servo motor

NOTE: (1) Speed depends on threads, materials and type of operation  
(2) Specifications subject to change without notice



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# LDA series

High speed, Feed-off-the-arm, Lower feed,  
Double chain stitch machines



LDA-T26-1

## Variety



### LDA-L26-1

Two needle, for light weight materials



### LDA-T26-1

Two needle, for heavy weight materials



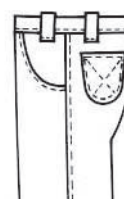
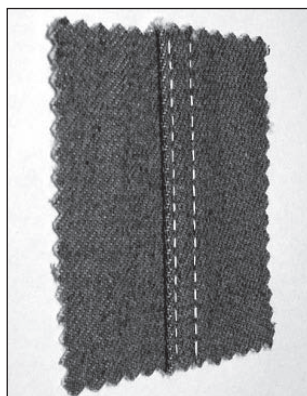
LDA-T26-1

## Applications

- For sewing light to heavy weight materials
- Suitable for sewing shirts, sleep suit, jeans, pants, skirts, uniforms, heavyoveralls, raincoats, difficult to sew tubular products, etc.



LDA-T26-1



## Features

- Fully automatic lubrication
- Clear, unobstructed view of work area for operator with ample work space to right of needles
- Easy access to stitch regulator and looper avoiding motion adjustment
- Oil flow window indicates oil circulation
- Non-slip belt drive to bed mechanism assures smooth, positive power feeding
- Under threading readily accessible through hinged covers

## Specifications (LDA-□)

Variety	L26-1	T26-1
Number of needle	Two needle	
Max. sewing speed	6,500 s.p.m.	5,000 s.p.m.
Max. stitch length	7/16" (2.5 mm)	11/64" (4.2 mm)
Clearance under presser foot	1/4" (6.4 mm)	5/16" (8 mm)
Needle bar stroke	1-1/16" (27 mm)	1-5/16" (33.3 mm)
Needle(standard)	TVx7 (#16), 149x7 (#100)	TVx3 (#21), 149x3 (#130)
Thread	#40 (standard)	#20 (standard)
Lubrication	Full automatic lubrication type	
Motor	Clutch motor	

NOTE: (1) Speed depends on threads, materials and type of operation  
 (2) Specifications subject to change without notice

## Needle gauge list (LDA-□)

Variety	Needle gauge size
L26-1, T26-1	standard : 3/16"(4.8mm) , 1/4"(6.4mm)



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# LD series

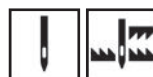





High speed, Flat bed, Double chain stitch machines



LD-27R

## Variety

	<b>LD-7</b> Single needle, Compound feed
	<b>LD-27</b> Two needle, Compound feed
	<b>LD-37</b> Three needle, Compound feed
	<b>LD-47</b> Four needle, Compound feed
	<b>LD-57</b> Five needle, Compound feed
	<b>LD-67</b> Six needle, Compound feed

	<b>LD-8</b> Single needle, Compound feed and walking foot
	<b>LD-28</b> Two needle, Compound feed and walking foot
	<b>LD-38</b> Three needle, Compound feed and walking foot
	<b>LD-48</b> Four needle, Compound feed and walking foot
	<b>LD-58</b> Five needle, Compound feed and walking foot
	<b>LD-68</b> Six needle, Compound feed and walking foot

## Applications

- For sewing medium to heavy weight fabrics, leather, canvas, denim, synthetics, and various coated and laminated materials.
- Suitable for automobile upholstery, work gloves, luggage, trousers, carpets, mattresses, etc.





## Features

- Simplified looper throw-out.
- Easy accessibility for threading loopers.
- No bobbin winding or changing (double chain stitch)
- Coarse stitch(7.5 - 10mm stitch) version available on model LD-8.
- Ultra long arm version (SSLD series) available
- Cloth puller available. Add suffix "R" when ordering.

## Specifications (LD-□)

Variety	□7	□8
Number of needle	1 to 6	
Max. sewing speed	3,000 s.p.m.	
Max. stitch length	19/64" (7.5 mm)	
Clearance under presser foot	by knee	33/64" (13 mm)
	by hand	5/16" (8 mm)
Needle bar stroke	1-3/8" (35 mm)	
Needle(standard)	DVx59 (#22) , 62x59 (#140)	
Thread	#8 (standard)	
Amount of lift of walking foot	-	5/64" - 9/64" standard 3/32" (1.8 - 3.5 mm) (standard 2.5 mm)
Thread take up lever	Needle bar type	
Lubrication	Semi-automatic lubrication type	
Bed size	20-25/64" x 6-31/32" (518 x 177 mm)	
Working space	10-5/8" x 5-5/16" (270 x 135 mm)	
Motor	Clutch motor	
Net weight(Head only)	43Kg	

NOTE: (1) Speed depends on threads, materials and type of operation  
(2) Specifications subject to change without notice

## Needle gauge list (LD-□)

Variety	Needle gauge size
<b>27 , 28</b>	standerd : 1/4"(6.4 mm), 5/16"(7.9 mm), 3/8"(9.5 mm), 1/2"(12.7 mm)



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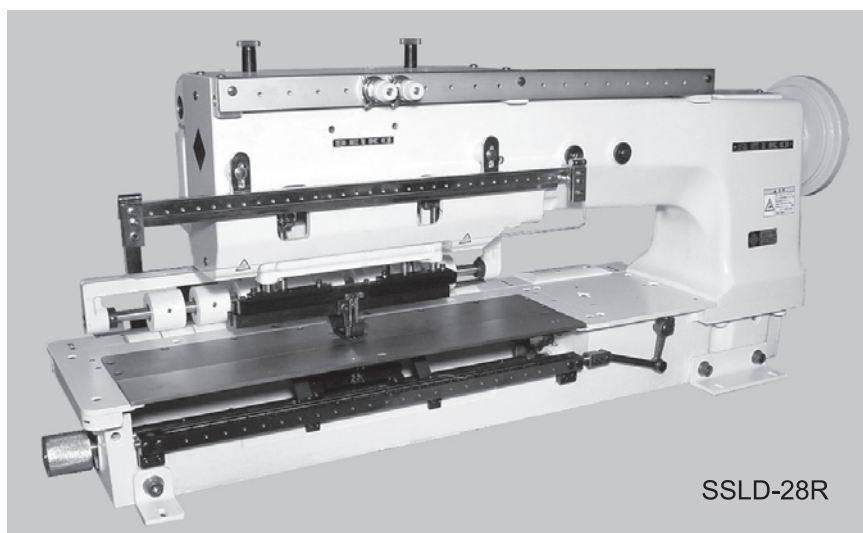
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# SSLD series

Heavy duty, Ultra long arm, Compound feed and walking foot,  
Clutch driven puller feed, Double chain stitch machines



SSLD-28R

## Variety



**SSLD-□8R**

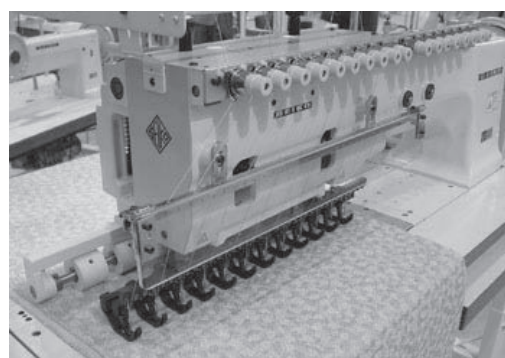
2~9 needles



**SSLD-□□8R**

10~18 needles

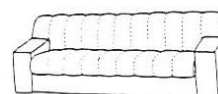
\* Min. distance between needles is 1/4"(6.4mm).



SSLD-128R-FL

## Applications

- For sewing medium to heavy weight fabric, leather, canvas, denim, synthetics, and various coated and laminated materials.
- Suitable for automobile upholstery, carpets, mattresses, etc.



## Features

- Ultra long arm, working space 20 inch (508 mm)
  - Compound feed and alternating presser foot mechanism ensures even feeding of heaviest and most slippery articles to be sewn
  - Heavy duty top and bottom puller ensures accurate and efficient feeding
  - No bobbin winding or changing (double chain stitch)
  - Automatic presser foot lift (FL) available
- \* Special gauge parts (from 2 needles to 70 needles) within overall gauge size 18 inch (460mm) can be made upon request. However, maximum number of needle which can use at a time must be 18 needles due to functional specification.
- \* SSLD series is completely made-to-order. The number of needle and their needle distance are required to estimate the machine price.

## Specifications

Variety	SSLD-series
Number of needle	2 to 18
Max. sewing speed	1,200 s.p.m.
Max. stitch length	23/64" (9 mm)
Clearance under presser foot	19/32" (15 mm)
Needle bar stroke	1-17/32" (39 mm)
Needle(standard)	DV x 59 (#22) , 62 x 59 (#140)
Thread	#8 (standard)
Thread take up lever	Needle bar type
Amount of lift of walking foot	5/64"-15/64" standard 9/64" (2 - 5.8 mm) (standard 3.6 mm)
Lubrication	Semi-automatic lubrication type
Bed size	38-37/64" x 7-31/64" (980 x 190 mm)
Working space	20" x 4-51/64" (508 x 122 mm)
Motor	Clutch motor

NOTE: (1) Speed depends on threads, materials and type of operation  
(2) Specifications subject to change without notice



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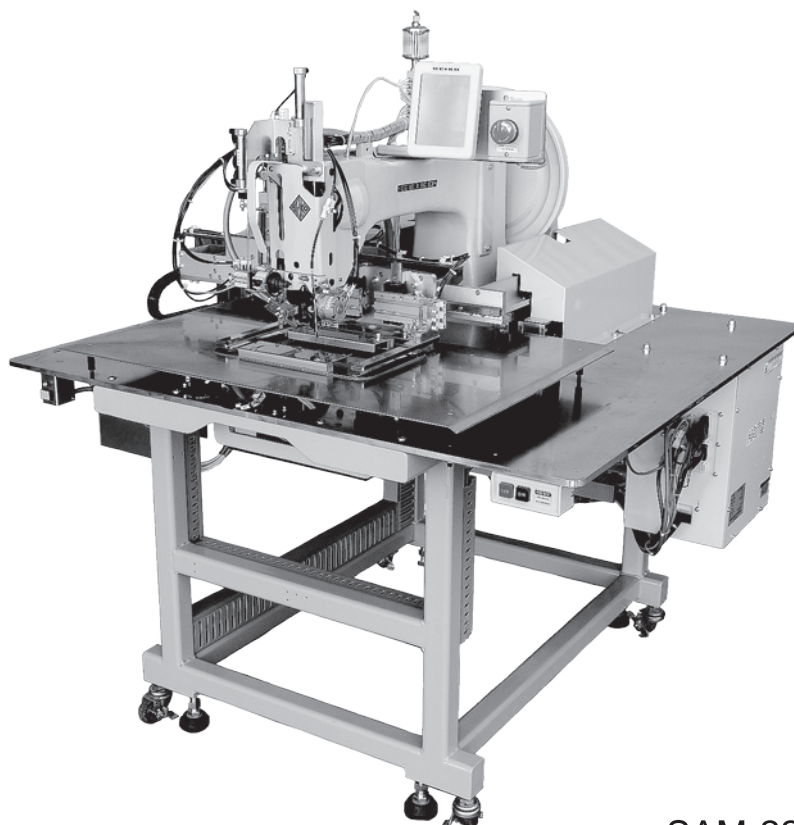
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# SAM-22

Single needle, Long arm, Super heavy duty,  
Large oscillating shuttle hook,  
Programmable electronic pattern sewing machine.



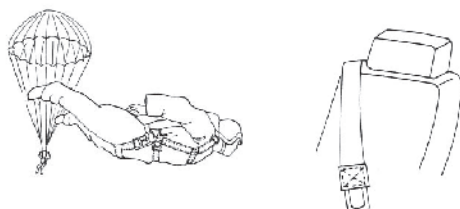
SAM-22

Variety

**SAM-22**

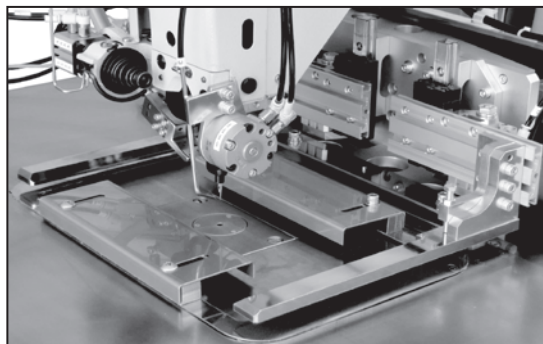
Applications

- For sewing super heavy weight materials.
- Suitable for sewing products such as safety and logging belts, cargo slings, harnesses, construction barriers, parachutes, balloons and book binding.



## Features

- Stitch pattern can be stored in the memory of control box with USB memory .  
(Max.20,000 stitches)
- Reliable programmed X-Y movement for Heavy Duty.
- Stitch length is 0.1mm to 13.0mm.
- Reliable clamping system to hold material stably by pneumatic control system.
- Extra large barrel shuttle minimizes the time to replace the bobbin thread.
- Thick thread can be cut smoothly by heat cutting.



Reliable clamping system

## Specifications

Variety	SAM-22
Number of needle	Single needle
Max. sewing speed	600 s.p.m.
Max. stitch length	33/64" (13 mm)
Needle bar stroke	2-19/32" (66 mm)
Needle	Schmetz 1000 (#250) (standard)
Thread	#0 (standard) - #00
Hook	Large oscillating shuttle hook
Amount of inside presser foot	1-1/2" (38 mm)
Amount of outside presser foot	1-7/64"(28 mm)
Sewing area	(X)250mm × (Y)150mm (standard)
Scale up/down function	10-200% for each X-Y axis (1 increment/step)
Thread trimmer	Heat cutting system
Thread take up lever	Cam type
Lubrication	Semi-automatic lubrication type
Motor	Ac Servo motor
Voltage	200/240V Single phase

NOTE: (1) Speed depends on threads, materials and type of operation  
(2) Specifications subject to change without notice



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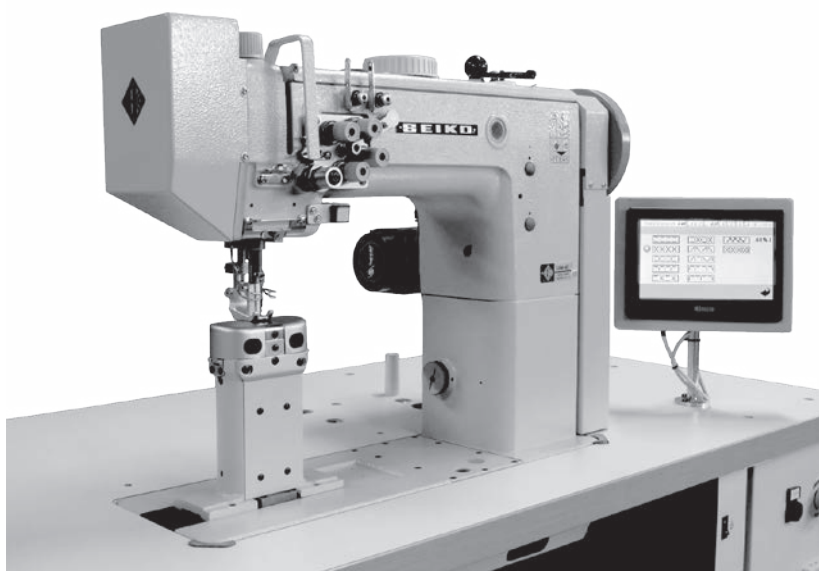
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# SAM-40

Two needle, Post bed, Large vertical axis hook,  
Multi different ornamental stitching, Automatic presser foot lift,  
Compound feed and walking foot, Lockstitch sewing machines



SAM-40

Variety

**SAM-40**

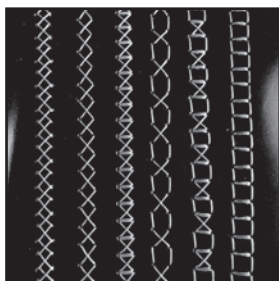
## Applications

- For sewing medium to heavy weight materials such as leather, vinyl, synthetics and laminated and coated materials
- Suitable for sewing such as automobile upholstery tarpaulins, covers, awnings, tents, umbrellas, handbags, luggage, travelware accessories, sports and camping equipment and wearing apparel outdoor clothing.

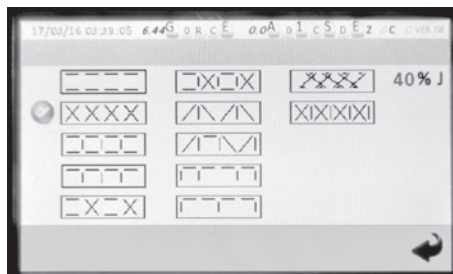


## Features

- Wide range of ornamental stitch
  - \* 12 standard stitch patterns
  - \* User designed stitch patterns can be registered (Max.99 patterns)
- Easy operation of stitch pattern change by touch panel display
- Max.10mm stitch length



Stitch patterns



Touch panel display and  
12 standard stitch patterns



## Specifications

Variety		SAM-40
Number of needle		Two needle
Max. sewing speed		450 s.p.m.
Max.stitch length		10 mm
Clearance under presser foot	by hand	9 mm
	by automatic foot lifter	16 mm
Needle bar stroke		34 mm
Needle		PF x 134KS #21 - #23 (Standard #23)
Thread		#20 - #1 (Standard #5)
Hook		Large vertical axis hook (2.0 times)
Post height		178 mm
Thread take up lever		Link type
Amount of walking foot movement		1 - 7mm
Walking foot movement change switch		By touch panel display
Bobbin winder		Built-in type located at the top of the sewing machine
Auto presser foot lifting device		Pneumatic
Safety device		Standard
Lubrication		Semi-automatic lubrication type
Bed size		475 x 178 mm
Working space		260 x 120 mm
Motor		AC Servo motor

NOTE: (1) Speed depends on threads, materials and type of operation  
(2) Specifications subject to change without notice



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# HVP-i70

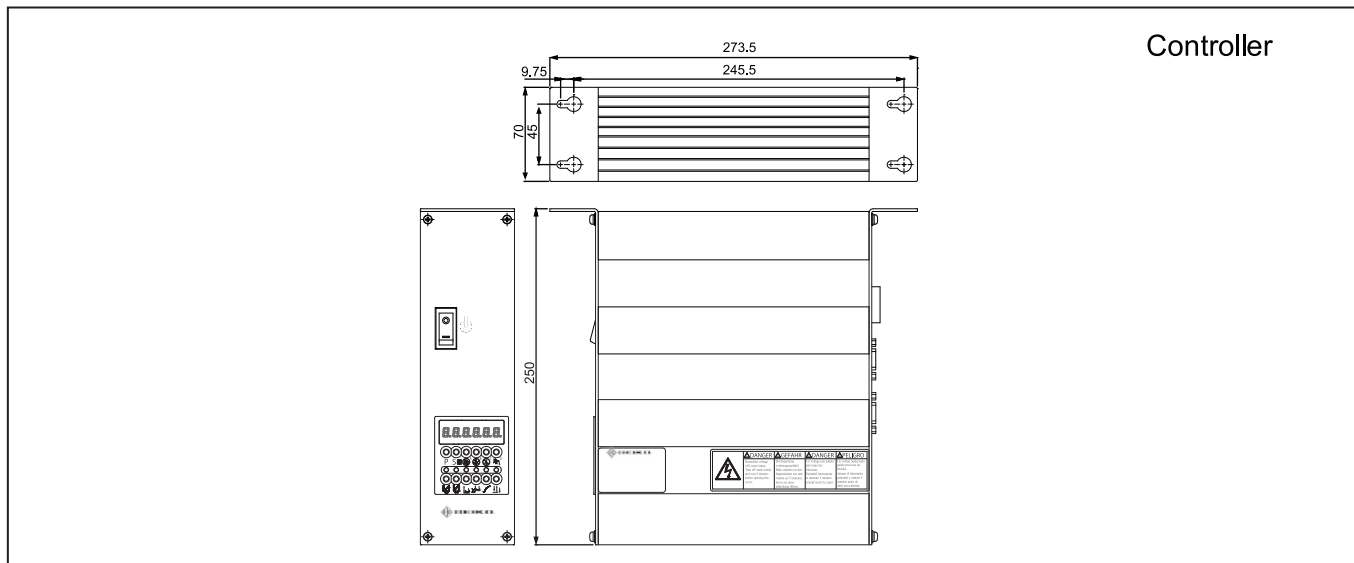
AC servo motor for “SEIKO” machine



## Features

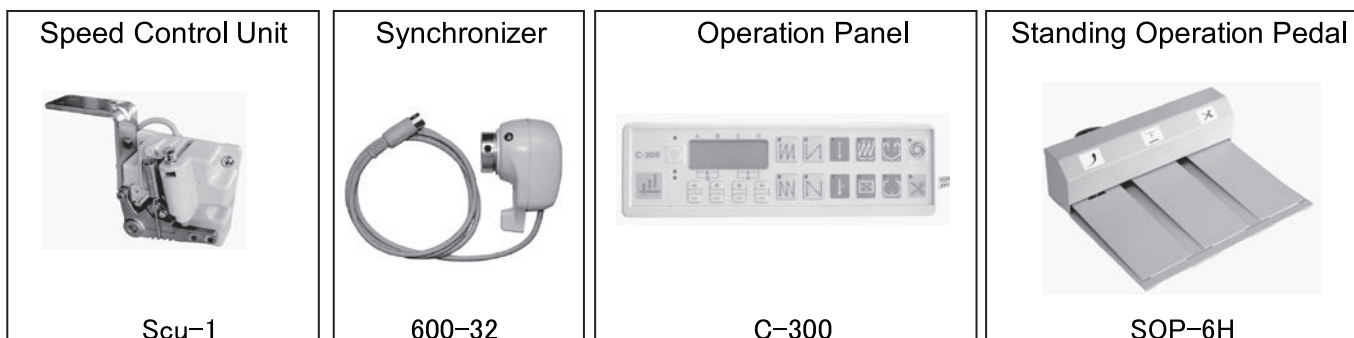
- Simple and easy to use for “SEIKO” machines.  
(Pre-setting the necessary parameters for “SEIKO” Models then only setting the machine code number when initial operation.)
- Low noise, low vibration and low power consumption.
- Highly accurate positioning.
- Specification matched the “CE” Standard.
- Without synchronizer(if damaged), motor working as Clutch motor and the backtack solenoid & auto-foot lifter still working.
- Solenoid over current protected.
- Fully digital design, powerful parameter built-in for application.
- With O.V. ,O.C. ,L.V. protection function and controlled by software.
- With auto-running timer inside, easy to test. (Function no.135, 136, 137 & 138)
- Easy to maintain through error code display.

## Dimension



Controller

## Option Parts



## Specification

Rated speed(r.p.m.)	3,500
Rated output(W)	750
Power voltage range(V)	single phase 100-120/200-240
Pully size available(mm)	55-85
Output shaft	Straight shaft $\Phi 14$
Gross weight(Kg)	10.9
Packing dimension(mm)	400L X 320W X 430H

## Features

- Auto pressr foot lift
- Thread trimmer
- Auto back tack
- Climbing device
- Dual stitching device
- Needle up/down
- Slow start
- DC12V lamp output



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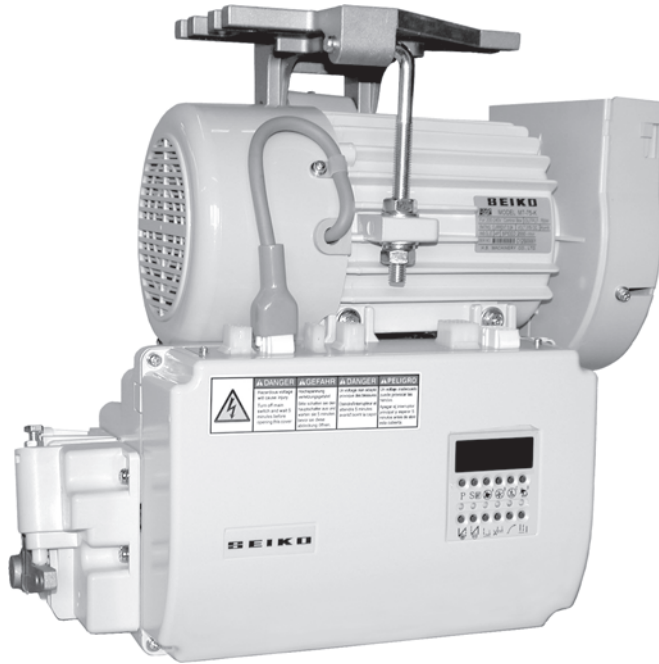


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# HVP-i90

AC servo moter for “SEIKO” extra heavy duty machine

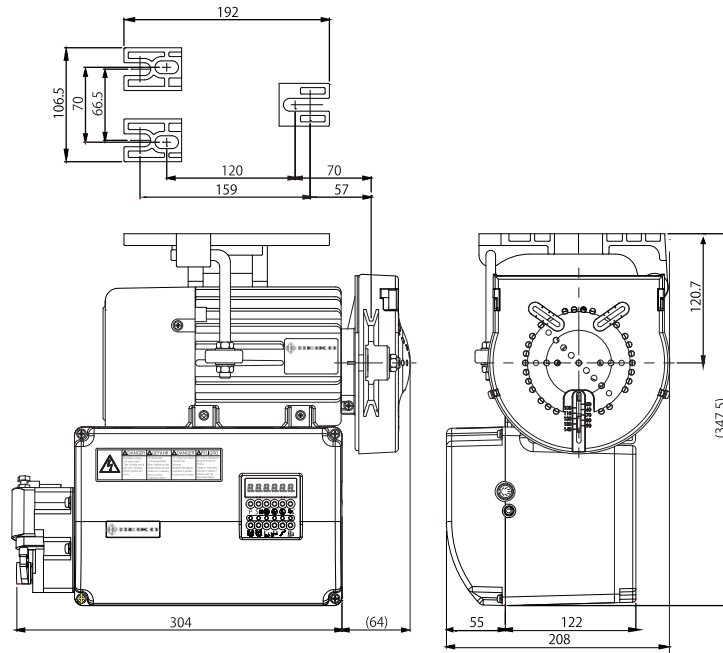


## Features




- Simple and easy to use for “SEIKO” extra heavy duty machines.
- Stable stopping accuracy.
- Low noise, low vibration and low power consumption.
- Specification matched the “CE” Standard.
- Solenoid over current protected.
- Software / Hardware 2-way protection system.
- Easy to maintain through error cord display.



## Dimension



## Option Parts

<p>Synchronizer</p>  <p>600-32</p>	<p>Standing operation pedal</p>  <p>SOP-6H</p>	<p>Operation panel</p>  <p>Standard C-300M</p>
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## Specification

Rated speed(r.p.m.)	2,000
Rated output(W)	750
Power voltage range(V)	single phase 100-120/200-240
Pully size available(mm)	65-130 (standard 65)
Output shaft	Taper shaft
Gross weight(Kg)	11.5
Packing dimension(mm)	424L X 409W X 355H

## Features

- Auto pressr foot lift
- Thread trimmer
- Auto back tack
- Climbing device
- Dual stitching device
- Needle up/down
- Slow start



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