

# BSC series

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



**BSC-8BL-BTFL-CD-DS**

## Variety



### **BSC-8B**

Standard hook.



### **BSC-8B-BTFL**

Standard hook, automatic back tack, automatic presser foot lift.



### **BSC-8B-BTFL-CD-DS**

Standard hook, automatic back tack, automatic presser foot lift, climbing device, dual stitching device.



### **BSC-8BV**

Standard hook, horizontal feed, synchronized binder.



### **BSC-8BV-BTFL**

Standard hook, horizontal feed, synchronized binder, automatic back tack, automatic presser foot lift.



### **BSC-8BHC-BTFL**

Standard hook, horizontal feed, thread trimmer, automatic back tack, automatic presser foot lift.



### **BSC-8BL**

Large hook.



### **BSC-8BL-BTFL**

Large hook, automatic back tack, automatic presser foot lift.



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

Large hook, automatic back tack, automatic presser foot lift, climbing device, dual stitching device.



### **BSC-8BLV**

Large hook, horizontal feed, synchronized binder.



### **BSC-8BLV-BTFL**

Large hook, horizontal feed, synchronized binder, automatic back tack, automatic presser foot lift.



### **BSC-8BLH**

Large hook, horizontal feed.

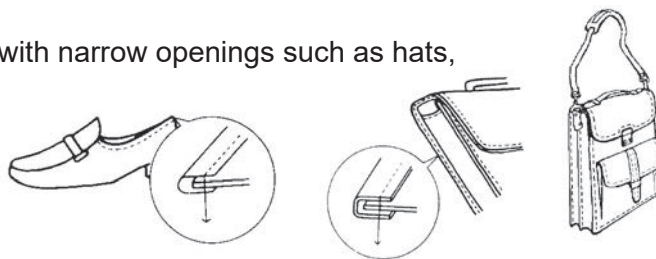


### **BSC-8BLH-BTFL**

Large hook, horizontal feed, automatic back tack, automatic presser foot.

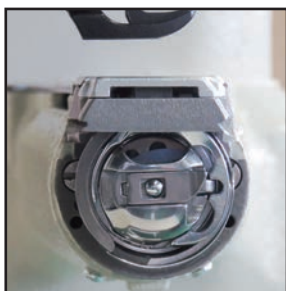
## Applications

- 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.

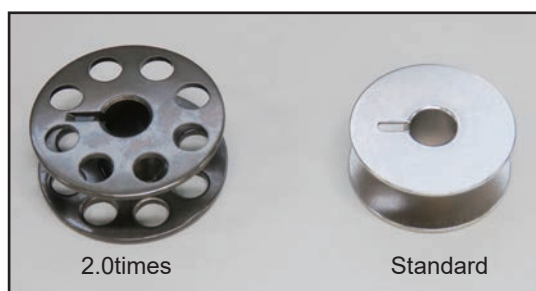


## Features

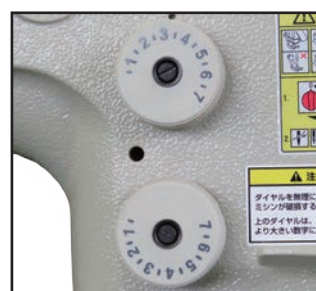
- Secure Feeding
  - \* Compound Feeding System to make the secure stitches on heavy duty materials, even on slippy or uneven materials.
- Cylinder bed size
  - \* 1-13/16"(46mm) dia. for standard hook model(**8B, 8BV, 8BHC**).
  - \* 1-31/32"(50mm) dia. for large hook model(**8BL, 8BLV, 8BLH**).
  - Double size rotating hook reducing a frequency of bobbin thread replacement.
- 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.
  - (**8B-BTFL-CD-DS, 8BL-BTFL-CD-DS**)



2.0 times large capacity hook



Comparison of the bobbin size

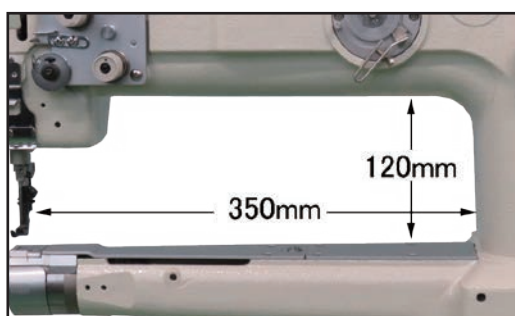


One touch switchover for two different stitch lengths (**DS** device)

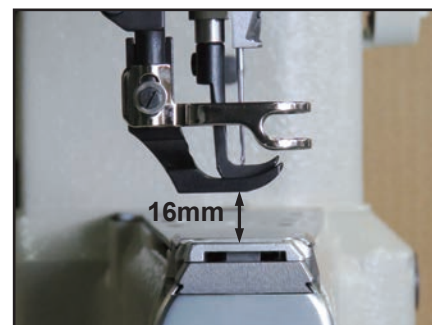
- Built-in bobbin winder
  - \* Built-in bobbin winder makes it possible to wind the bobbin thread during sewing operation.
- Wide working space
  - \* Wide working space 13-25/32" x 4-23/32"(350mm x 120mm).
- Good Operability
  - \* Presser foot lift amount 5/8"(16mm). (by knee)
  - Needle bar stroke 1-29/64"(37mm).
  - Alternating presser foot lift amount 3/64" - 1/4" (1mm - 6.5mm).



Built-in bobbin winder with fine adjustment function of thread winding amount



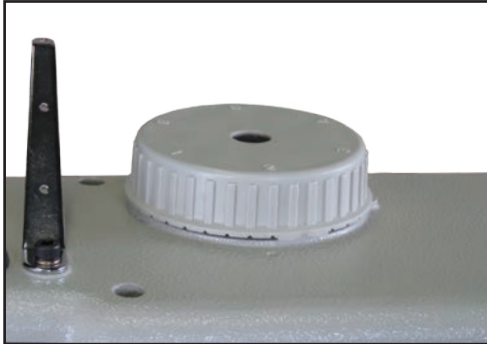
Wide working space



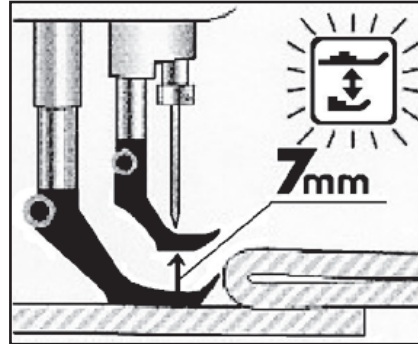
The clearance under the presser foot (16mm)

## BSC series

- 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. (**8B-BTFL-CD-DS, 8BL-BTFL-CD-DS**)
- Smooth stitching on step section (**CD** device)
  - \* Can change the presser foot step maximum 7mm higher by button right before the uneven point that makes smoother stitching. (**8B-BTFL-CD-DS, 8BL-BTFL-CD-DS**)
- 5 operational switches improve working efficiency
  - \* 5 switch buttons are panelled on the convenient positions improve the efficient works. (**8B-BTFL-CD-DS, 8BL-BTFL-CD-DS**)



Simple setting for alternating presser foot movement



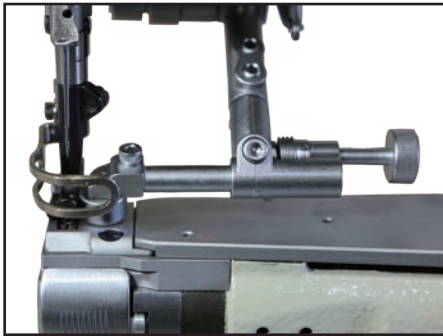
Smooth stitching on step section (**CD** device)



### 5 operational switches

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

- Guide (optional parts)



- Lubrication
  - \* Automatic lubrication system.
- Improved Safety
  - \* Moving area is safely covered.
- Improved Maintainability
  - \* Better maintainability with Thumb screw to adjust presser foot pressure.
- Automatic thread trimmer
  - \* Automatic thread trimmer model available. (**8BHC**)
- Synchronized binder
  - \* Synchronized binder models available. (**8BV, 8BLV**)

## Specifications (BSC-□)

Variety	<b>8B</b> <b>8B-BTFL</b> <b>8B-BTFL-CD-DS</b>	<b>8BL</b> <b>8BL-BTFL</b> <b>8BL-BTFL-CD-DS</b>	<b>8BV</b> <b>8BV-BTFL</b>	<b>8BLV</b> <b>8BLV-BTFL</b>	<b>8BLH</b> <b>8BLH-BTFL</b>	<b>8BHC-BTFL</b>
Number of needle	Single needle					
Max. sewing speed	2,300 s.p.m.					
Max. stitch length	9/32" (7 mm)					
Needle bar stroke	1-29/64" (37 mm)					
Needle(standard)	DPx17 (#18) 135x17 (#110)		DPx17 (#16) 135x17 (#100)		DPx17 (#18) 135x17 (#110)	
Thread	#20 (standard)		#30 (standard)		#20 (standard)	
Thread take up lever	Slide type					
Lubrication	Automatic lubrication type					
Working space	13-25/32"x 4-23/32" (350 x 120 mm)					
Net weight(Head only)	48 Kg*1					52 Kg*1

Feeding system	elliptical	horizontal

\*1 Additional weight for BTFL equipment is 1 kg

### ● Clearance under presser foot and Amount of lift of walking foot

Variety	<b>8B / 8BL</b> <b>8BV / 8BLV</b> <b>8BLH</b>	<b>8B-BTFL / 8BL-BTFL</b> <b>8BV-BTFL / 8BLV-BTFL</b> <b>8BHC-BTFL / 8BLH-BTFL</b>	<b>8B-BTFL-CD-DS</b> <b>8BL-BTFL-CD-DS</b>
Clearance under presser foot	by hand	23/64" (9 mm)	
	by knee	5/8" (16 mm)	
	by automatic foot lifter	—	5/8" (16 mm)
Amount of lift of walking foot	3/64"-1/4" (1 - 6.5 mm)		3/64"-9/32" (1 - 7 mm)

### ● Hook and Cylinder size and Bobbin size

Variety	<b>8B / 8BV / 8BHC-BTFL</b> <b>8B-BTFL / 8BV-BTFL</b> <b>8B-BTFL-CD-DS</b>	<b>8BL / 8BLV / 8BLH</b> <b>8BL-BTFL / 8BLV-BTFL / 8BLH-BTFL</b> <b>8BL-BTFL-CD-DS</b>
Hook	Horizontal axis hook	Large horizontal axis hook(2.0times)
Cylinder size	1-13/16"(46 mm) dia.	1-13/32"(50 mm) dia.
Bobbin size	Φ 1-7/64" (Φ 28 mm), t=15/32"(12mm)	Φ 1-7/64" (Φ 28 mm), t=15/32"(12mm)

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



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