

Cylinder-bed, 1-needle, Unison-feed, Lockstitch Machine DSC SERIES

DSC-244 (with standard hook)

DSC-244-7 (with standard hook and an automatic thread trimmer)

DSC-245 (with standard hook, an automatically lubricated for hook)

DSC-245-7 (with standard hook, an automatically lubricated for hook and an automatic thread trimmer)

DSC-246 (with a double-capacity hook)

DSC-246-7 (with a double-capacity hook and an automatic thread trimmer)



● DSC-245



● DSC-245-7-0B/XC-E500

* XC-E500 control panel is optionally available.

DSC-244/DSC-245/DSC-246

The DSC Series of sewing machine for sewing tubular materials such as bags and shoes has an outstanding ability to sew small curves smoothly.

With its consistent seam quality and sharp-curve sewing function, the JUKI DSC Series of cylinder-bed, 1-needle, unison-feed, lockstitch machines has earned an outstanding reputation. A further-upgraded DSC Series is now launched. The machine is provided with an automatic thread trimmer and comes with thoroughly-redesigned electrical components, thereby ensuring higher power and improved reliability. JUKI is confident that its newly launched DSC Series is provided with all the essentials needed for the sewing of heavy-weight materials.



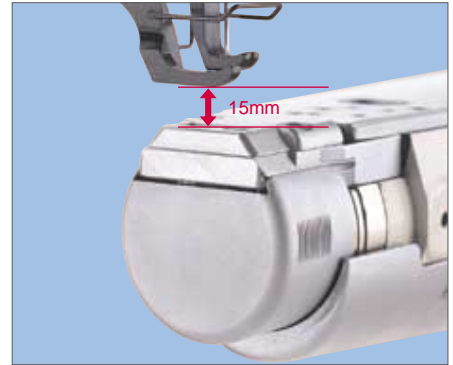
Consistent seam quality

The unison-feed provides the optimal feed efficiency by feeding heavy-weight materials smoothly and firmly.



Excellent for sewing sharp curves

The diameter of the cylinder is as small as 46mm for a standard hook or 50mm for a double-capacity hook. The small-diameter cylinder is quite helpful for handling bags, shoes, and other small articles smoothly and easily.



When using the knee lifter, the lift of the presser foot is as high as 15mm (Machine without a thread trimmer)

For the machine provided with a thread trimmer, the lift of the presser foot is as high as 13mm, allowing the operator to handle the material with ease.



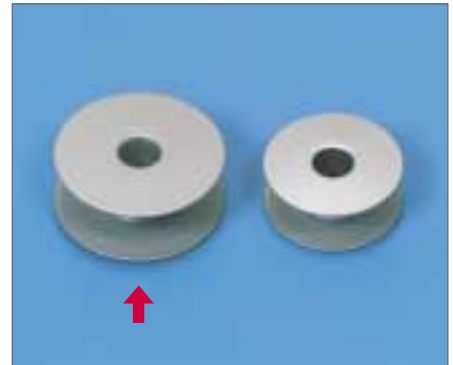
The horizontal feed is best-suited for attaching of piping tape (V type)

The feed mechanism that can synchronize the binder in the piping-tape attachment process in the sewing of shoes. (Parts to be changed are optionally available.)



DSC-245

The machine is equipped with a new automatic hook-lubricating system that automatically lubricates the hook. With this feature, a maintenance-free hook has finally materialized.



DSC-246

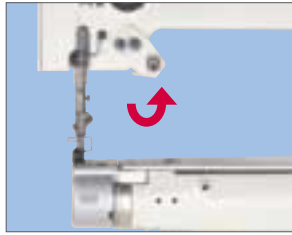
The hook accommodates thread twice as long as that for a standard hook. It also reduces the frequency of bobbin thread replacement, thereby enabling the operator to smoothly conduct sewing with a higher degree of efficiency.

SPECIFICATIONS

Model name	DSC-244	DSC-245	DSC-246
Max. sewing speed	2,200rpm		
Max. stitch length	6mm (normal/reverse feed)		
Needle bar stroke	36mm	38mm	
Lift of the presser foot	By hand: 9mm, By knee: 15mm		
Thread take-up	Slide type		
Alternating vertical movement	2.3 ~ 4.8mm		
Hook	Horizontal-axis full-rotary hook		Horizontal-axis full-rotary double-capacity hook
Needle (at the time of delivery)	DP x 17 (#18) #14 ~ #21 For JE: 135 x 17 (Nm110)		DP x 17 (#21) #14 ~ #23 For JE: 135 x 17 (Nm130)
Thread	#50 ~ #20, B33 ~ B69, Nm=120/3 ~ 40/3		#50 ~ #8, B33 ~ B92, Nm=120/3 ~ 30/3
Lubrication	By an oiler	By an oiler (hook: automatic)	By an oiler
Lubricating oil	JUKI New Defrix Oil No. 1 (equivalent to ISO VG7)		
Cylinder-bed diameter	46mm	50mm	
Distance from needle to machine arm	264mm		
Weight of the machine head	36kg		

DSC-244-7/DSC-245-7/DSC-246-7

Options ensure easier operation



● Automatic reverse feed function (equipped as standard for the DSC-245-7 and DSC-246-7)

Reverse-feed stitching operation can be started simply by pressing the one-touch-type reverse-feed button. Furthermore, if a suspended ruler is attached on the machine or a 3-dimensional sewing product is sewn, the button can be shifted upward to prevent interruption.



AK-110C

● Pneumatic auto-lifter (optional)

The pneumatic auto-lifter comes in two types: the knee switch type auto-lifter(AK-110C) and the pedal switch type auto-lifter (AK-110B). Select the type that best suits your sewing applications.

The machine equipped with an automatic thread trimmer



● With its horizontal-cutting mechanism, the automatic thread trimmer cuts various kinds high-to low-count threads.

AC SERVOMOTOR/CONTROLLER

SC-380

Multi functioned, powerful, and smooth to operate

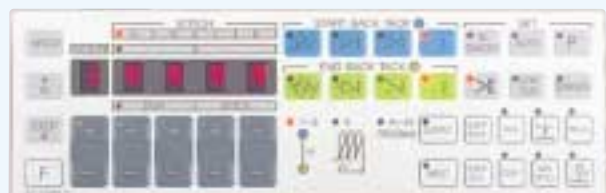
- The SC-380 is provided with many different standard functions, including speed-control, soft-start, automatic reverse stitching with the specified number of stitches, constant-dimension stitching, and overlapped (multi-layered) stitching. These functions ensure sewing performance optimally suited to the material and process.
- With its higher torque under low-speed sewing, the SC-380 enables the sewing machine to smoothly start sewing operation. The unit is also provided with additional capabilities which enhance the sewing of extra heavy-weight materials by increasing the cloth-penetrating force of the needle for the first stitch of sewing, etc. With these capabilities, the sewing machine is able to demonstrate optimal sewing performance both widely and smoothly when working with heavy-weight materials.



Control panel that improves functions of the sewing machine (optional)

- The XC-E500 is provided with program sewing and a host of other functions that contribute to increased efficiency.
- The XC-E500 can be installed on the top of the sewing machine. All functions provided by the XC-E500 can only be specified through the control panel.
- Data programmed in the control panel can be transferred to another sewing machine unit.

●XC-E500



SPECIFICATIONS

Model name	DSC-244-7	DSC-245-7	DSC-246-7
Max. sewing speed	2,200rpm		
Max. stitch length	6mm (normal/reverse feed)		
Needle bar stroke	36mm		38mm
Lift of the presser foot	By hand: 8mm, By knee: 13mm		By hand: 8mm, By knee: 14mm
Thread take-up	Slide type		
Alternating vertical movement	2.3 ~ 4.8mm		
Hook	Horizontal-axis full-rotary hook		Horizontal-axis full-rotary double-capacity hook
Needle (at the time of delivery)	DP x 17 (#18) #14 ~ #21 For JE: 135 x 17 (Nm110)		DP x 17 (#21) #14 ~ #23 For JE: 135 x 17 (Nm130)
Thread	#50 ~ #20, B33 ~ B69, Nm=120/3 ~ 40/3		#50 ~ #8, B33 ~ B92, Nm=120/3 ~ 30/3
Lubrication	By an oiler	By an oiler (hook: automatic)	By an oiler
Lubricating oil	JUKI New Defrix Oil No. 1 (equivalent to ISO VG7)		
Cylinder-bed diameter	46mm		50mm
Distance from needle to machine arm	264mm		
Weight of the machine head	39kg		
Automatic reverse feed function	Provided as standard		
Power requirement	Single-phase 100 ~ 120V, 220 ~ 240V 3-phase 200 ~ 220V, 220 ~ 240V		

WHEN YOU PLACE ORDERS

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

Without an automatic thread trimmer

DSC-244/245/246 -

Feed system	Code	Automatic reverse feed function	Code
Elliptical feed	<input type="checkbox"/>	Not provided	<input type="checkbox"/>
Horizontal feed	V	Provided	0B

With an automatic thread trimmer

DSC-244/245/246 - **7-0B** /

Feed system	Code	Pneumatic auto-lifter (optional)	Code
Elliptical feed	<input type="checkbox"/>	Knee switch type (AK110C)	C
Horizontal feed	V	Pedal switch type (AK110B)	B
		Not provided	<input type="checkbox"/>

PSC box/control panel for SC

SC-380 - -

PSC box			Code	Control panel		Code
For General Export	Single-phase	220 ~ 240V	07	Not provided		00000
	3-phase	200 ~ 220V	11	Control panel display language: English. Instruction manual comes in three different languages.		E500B
For JUS (LA) *	Single-phase	110 ~ 120V	37	Control panel display language: English. Instruction manual comes in five different languages.		E500C
	3-phase	220 ~ 240V	38			
For CE	Single-phase	220 ~ 240V	34			

Motor for SC

M

Motor			Code
For General Export	Single-phase	220 ~ 240V	60
	3-phase	220 ~ 240V	60
For JUS (LA) *	Single-phase	110 ~ 120V	61
	3-phase	220 ~ 240V	62
For CE	Single-phase	220 ~ 240V	63

* JUS: North America and Central and South America.

● To order, please contact your nearest JUKI distributor.

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* Specifications and appearance are subject to change without prior notice for improvement.
* Read the instruction manual before putting the machine into service to ensure safety.