

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

## DSC Series

**DSC-244** (with standard hook)

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

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

**DSC-246** (with double-capacity hook)

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

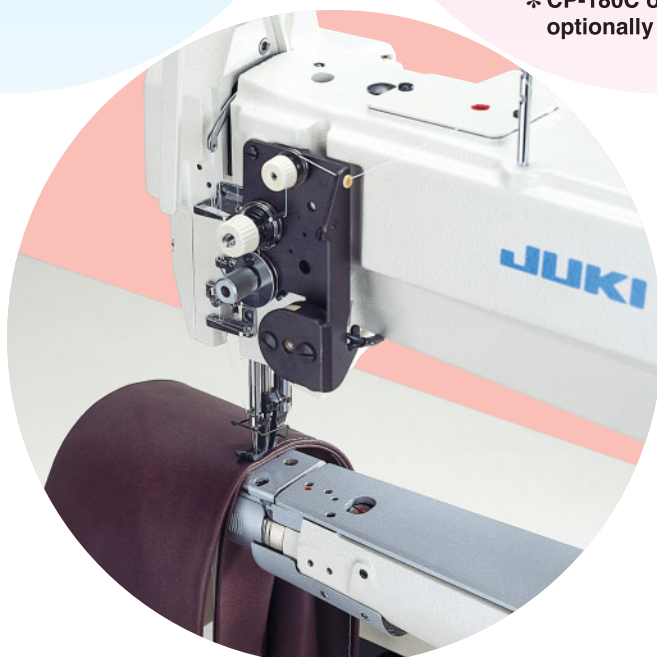
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• DSC-245



• DSC-245-7-0B/CP-180C  
\* CP-180C operation panel is optionally available.



# The DSC Series of sewing machine for sewing tubular materials such as bags

With its consistent seam quality and sharp-curve sewing function, the JUKI DSC Series has earned an outstanding reputation. A further-upgraded DSC Series is now launched with thoroughly-redesigned electrical components, thereby ensuring higher performance. JUKI is confident that its newly launched DSC Series is provided with all the

## DSC-244/DSC-245/DSC-246



### Consistent seam quality

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



### Excellent for sewing sharp curves

The diameter of the cylinder is as small as  $\phi$  46mm for a standard hook or  $\phi$  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.



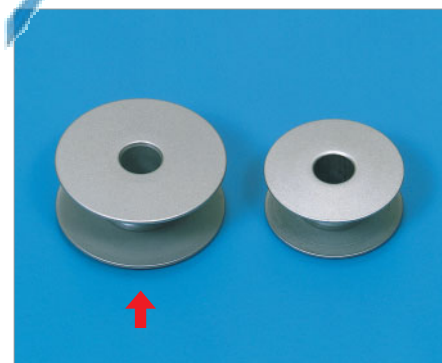
### The horizontal feed is best suited for attaching of piping tape (V type)

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		2,200sti/min	
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	3.0~4.8mm		
Hook	Horizontal-axis full-rotary hook		Horizontal-axis full-rotary double-capacity hook
Needle (at the time of delivery)	DPX17 (#18) #14~#21 For JE: 135X17 (Nm110)		DPX17 (#21) #14~#23 For JE: 135X17 (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)	
Lubricating oil	JUKI New Defrix Oil No. 1 (equivalent to ISO VG7)		
Cylinder-bed diameter	$\phi$ 46mm		$\phi$ 50mm
Distance from needle to machine arm	264mm		
Weight of the machine head	36kg		

\* "sti/min" stands for "Stitches per minute"

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*ings and shoes has an outstanding ability to sew small curves smoothly.*

**DSC Series of cylinder-bed, 1-needle, unison-feed, lockstitch machines has nched. The machine is provided with automatic thread trimmer and comes ower and improved reliability.**

**essentials needed for the sewing of heavy materials.**

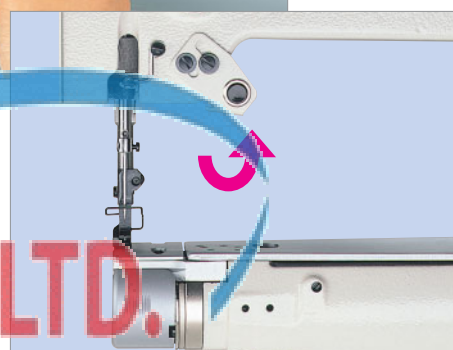
## DSC-245-7/DSC-246-7

**The machine equipped with automatic thread trimmer**



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

**Options ensure easier operation**



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**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.

### ■ OPTIONS

#### ● Pneumatic auto-lifter

The pneumatic auto-lifter comes in two types: the knee switch type auto-lifter (AK-143C) and the pedal switch type auto-lifter (AK-143B).

Select the type that best suits your sewing applications.

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### ■ SPECIFICATIONS

Model name	DSC-245-7	DSC-246-7
Max. sewing speed	2,200sti/min	
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	3.0~4.8mm	
Hook	Horizontal-axis full-rotary hook	Horizontal-axis full-rotary double-capacity hook
Needle (at the time of delivery)	DPX17 (#18) #14~#21 For JE: 135X17 (Nm110)	DPX17 (#21) #14~#23 For JE: 135X17 (Nm130)
Thread	#50~#20, B33~B69, Nm=120/3~40/3	#50~#8, B33~B92, Nm=120/3~30/3
Lubrication	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, 200~240V 3-phase 200~240V	

\* "sti/min" stands for "Stitches per minute"

## ■ WHEN YOU PLACE ORDERS

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

### ● Without automatic thread trimmer

**DSC244/245/246**

Feed system	Code	Automatic reverse feed function	Code
Elliptical feed	/	Not provided	/
Horizontal feed	V	Provided	0B

### ● With automatic thread trimmer

**DSC245/246**  **70B/**

Feed system	Code	Pneumatic auto-lifter (optional)	Code
Elliptical feed	/	Knee switch type (AK143C)	C
Horizontal feed	V	Pedal switch type (AK143B)	B
		Not provided	/

● To order, please contact your nearest JUKI distributor.

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#### JUKI CORPORATION HEAD OFFICE

Juki Corporation operates an environmental management system to promote and conduct the following as the company engages in the research, development, design, sales, distribution and maintenance of industrial sewing machines, household sewing machines, industrial robots, etc., and in the provision of sales and maintenance services for data entry systems:

- (1) The development of products and engineering processes that are safe to the environment
- (2) Green procurement and green purchasing
- (3) Energy conservation (reduction in carbon-dioxide emissions)
- (4) Resource saving (reduction of papers purchased, etc.)
- (5) Reduction and recycling of waste
- (6) Improvement of logistics efficiency (modal shift and improvement of packaging, packing, etc.)

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\* Specifications and appearance are subject to change without prior notice for improvement.  
\* Read the instruction manual before putting the machine into service to ensure safety.  
\* This catalogue prints with environment-friendly soy ink on recycle paper.