

JUKI

MO-6800S Series

High-speed, Overlock / Safety Stitch Machine



The advanced overlock / safety stitch machine is easier to use and promises superior cost effectiveness.



MO-6816S

MO-6800S

High-speed, Overlock / Safety Stitch Machine

SERIES

MO-6800S SERIES

This advanced overlock / safety stitch machine is easier to use and promises superior cost effectiveness.

The MO-6800S Series responds to various kinds of sewing materials and processes, producing delicate and beautiful soft-to-the-touch seams while further reducing operating noise as well as increasing durability. This advanced overlock / safety stitch machine is easier to use and promises superior cost-effectiveness.

The machine achieves beautifully finished seams of improved quality even when run at a high speed.

The machine is widely applicable to the sewing of light- to heavy-weight materials. Since the machine is provided with a needle thread take-up mechanism and a looper thread take-up lever, it ensures high-quality, well-tensed and soft seams with a beautiful texture which flexibly correspond to the elasticity of the materials even when run at speeds as high as 7,000 sti/min. In addition, the machine has a wider and brighter needle entry and provides improved responsiveness to the materials, thereby helping the operator use the machine more easily. The optimally-balanced design of the machine reduces both operating noise and vibration, contributing to more comfortable sewing work.



For runstitch / MO-6816S-FF6-30H



MO-6814S

The machine is provided with functions which contribute to easier operation.

The differential-feed micro-adjustment mechanism, external increasing of the differential feed ratio and the main feed dog height can all be adjustable on the front face of the sewing machine with a screwdriver. The machine is provided as standard with functions which enable easy and best-suited adjustments according to the material to be used.



Differential-feed micro-adjustment mechanism

DEVICES AND ATTACHMENTS

Model	Part No.	Description
Chain-off thread trimming device		
T053	70000081	Pneumatic flat cutter
T054	70000082	Pneumatic side cutter (for overlock machine)

Pneumatic chain-off thread suction device

Model	Part No.	Pneumatic chain-off thread + cloth chips clutch motor	Air type auto-lifter	Clutch motor	Servo motor
MC906	70000085	●		●	
MC909	70000104	●			●
MC910	70000106	●	●	●	
MC911	70000107	●	●		●

[Reference]

Combination table of "chain-off thread suction device" and "auto-lifter" which correspond to "chain-off thread trimming device".

Chain-off thread trimming device	Chain-off thread suction device	Auto-lifter
T053 or T054	MC906	Clutch motor
	MC909	servo motor
	MC910	Air type auto-lifter clutch motor
	MC911	Air type auto-lifter servo motor

Model	Part No.	Description	Feature
Gathering device			
S206	70000089	Swing-type gathering device (interlocked with pedal / for overlock machine)	The attachment opens with the presser foot pedal. This facilitates material setting on the machine.
S207	70000090	Swing-type gathering device (interlocked with pedal / for safety stitch machine)(DF6)	
S208	70000091	Swing-type gathering device (interlocked with pedal / for safety stitch machine)(FF6)	

Guide, tape guide

Model	Part No.	Description	Feature
H253	40159861	Cloth edge guide ruler (for overlock machine)	A swing type edge guide.
H254	40159862	Cloth edge guide ruler (for safety stitch machine)	
Q143	40159863	Tape guide	This attachment is used attached on the machine head (face plate). It is used for tapes with the width of 7mm or less.

SUBCLASS MACHINE LIST

Seams	Model No.	Materials	Number of needles	Number of threads	Needle gauge (mm)	Overedging width	Number of feed dog rows	Stitch length (mm)	Bottom differential/feeder ratio	Presser lifting amount (mm)	Needle system	Max sewing speed (sti/min)	Remarks
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● [1-needle overlock]

For runstitching in general fabric



	MO-6804S-0E4-30H	L~M	1	3	—	4.0	2	3.8	1:0.7~1:2	6.0	DCx27 #11	7,000	
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For rolled hemming (folded downward)



	MO-6804S-0A4-150	EL~L	1	3	—	1.5	2	3.8	1:0.7~1:2	6.0	DCx1 #8	7,000	
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● [2-needle overlock]

For runstitching in general fabric



	MO-6814S-BD6-30H	L~M	2	4	2.0	3.0	3	3.8	1:0.7~1:2	5.5	DCx27 #11	7,000	
	MO-6814S-BE6-40H	M~H	2	4	2.0	4.0	3	3.8	1:0.7~1:2	5.5	DCx27 #11	6,500	
	MO-6814S-BB6-30P	L~M	2	4	2.0	2.0	3	3.8	1:0.7~1:2	5.0	DCx27 #11	7,000	Anti-material-slip
	MO-6814S-BE6-30P		2	4	2.0	4.0	3	3.8	1:0.7~1:2	5.0	DCx27 #11	7,000	

For tape attaching G44: Tape attaching presser foot Q143: Tape guide



	MO-6814S-BD6-24H/ G44/Q143	L~M	2	4	2.0	3.0	3	3.8	1:0.7~1:2	5.5	DCx27 #9	7,000	
	MO-6814S-BE6-24H/ G44/Q143		2	4	2.0	4.0	3	3.8	1:0.7~1:2	5.5	DCx27 #9	7,000	
	MO-6814S-BD6-34H/ G44/Q143		2	4	2.0	3.0	3	3.8	1:0.7~1:2	5.5	DCx27 #11	7,000	
	MO-6814S-BE6-34H/ G44/Q143		2	4	2.0	4.0	3	3.8	1:0.7~1:2	5.5	DCx27 #11	7,000	
	MO-6814S-BE6-44H/ G44/Q143	M~H	2	4	2.0	4.0	3	3.8	1:0.7~1:2	7.0	DCx27 #14	6,500	

● [Safety stitching]

For runstitching in general fabric



	MO-6816S-DE6-30H	L~M	2	5	3.0	4.0	3	3.8	1:0.7~1:2	5.5	DCx27 #11	7,000	
	MO-6816S-FF6-30H		2	5	5.0	5.0	3	3.8	1:0.7~1:2	5.5	DCx27 #11	7,000	
	MO-6816S-FF6-50H	M~H	2	5	5.0	5.0	3	3.8	1:0.7~1:2	7.0	DCx27 #16	6,500	
	MO-6816S-FH6-50H		2	5	5.0	6.0	3	3.8	1:0.7~1:2	7.0	DCx27 #16	6,500	
	MO-6816S-FF6-60H	H	2	5	5.0	5.0	3	4.5	1:0.9~1:1.7	7.0	DCx27 #21	6,000	
	MO-6816S-FH6-60H		2	5	5.0	6.0	3	4.5	1:0.9~1:1.7	7.0	DCx27 #21	6,000	
	MO-6816S-DE4-30P	L~M	2	5	3.0	4.0	2	3.8	1:0.7~1:2	5.0	DCx27 #11	7,000	Anti-material-slip

For rolling-in tape N075: Clean finish top and bottom



	MO-6845S-FF6-360/ N075	M~H	2	4	5.0	5.0	3	3.8	1:0.7~1:2	5.0	DCx27 #14	7,000	2-needle type for double-chainstitch on pocket bags
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● [3-needle safety stitching]



	MO-6843S-1D6-40H	M~H	3	6	5.0+2.0	3.0	3	3.8	1:0.7~1:2	6.5	DCx27 #11	7,000	
	MO-6843S-2D6-40H		3	6	3.0+2.0	3.0	3	3.8	1:0.7~1:2	6.5	DCx27 #11	7,000	

*"sti/min" stands for "Stitches per Minute."

Sewn product pictogram

UNDER SHIRTS	T-SHIRTS	TROUSERS	ONE-PIECE	SKIRT	DRESS SHIRTS	BLOUSE	POLO SHIRTS	JUMPER	SPORTS WEAR	PAJAMA	KNIT SHIRTS	KNIT WEAR	SUIT	COAT	JEANS	HANDKERCHIEF	SCARF

