



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



High-speed, Overlock / Safety Stitch Machine

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

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.



MO-6814S

Differential-feed micro-adjustment mechanism

DEVICES AND ATTACHMENTS

Part No.	Description							
Chain-off thread trimming device								
7000081	Pneumatic flat cutter							
7000082	Pneumatic side cutter (for overlock machine)							
Pneumatic chain-off thread suction device								
	f thread trin 70000081 70000082	f thread trimming device 70000081 Pneumatic flat cutter 70000082 Pneumatic side cutter (for overlock machine)	f thread trimming device 70000081 Pneumatic flat cutter 70000082 Pneumatic side cutter (for overlock machine) ic 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	7000085	•		•	
MC909	70000104	•			٠
MC910	70000106	٠	•	•	
MC911	70000107	•	•		•

[Reference]

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

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

Model	Part No.	Description	Feature
Gathering	g device		
S206	7000089	Swing-type gathering device (interlocked with pedal / for overlock machine)	
S207	7000090	Swing-type gathering device (interlocked with pedal / for safety stitch machine)(DF6)	The attachment opens with the presser foot pedal. This facilitates material setting on the machine.
S208	70000091	Swing-type gathering device (interlocked with pedal / for safety stitch machine)(FF6)	

Guide, tape guide

H253	40159861	Cloth edge guide ruler (for overlock machine)	A swing type edge guide		
H254	40159862	Cloth edge guide ruler (for safety stitch machine)	A swing type edge guide.		
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.	L > H Materials	Number of needles	S Number of threads	⊣ ⊢ (mm) Needle gauge	Overedging width	Number of feed dog rows	(mm) Stitch length	Bottom differentialfeed ratio	(mm) Presser lifting amount	Needle system	(sti/min) Max sewing speed	Remarks
• [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	DC×27 #11	7,000	
For rol	For rolled hemming (folded downward)												
$\widehat{}$	MO-6804S-0A4-150	EL~L	1	3	—	1.5	2	3.8	1:0.7~1:2	6.0	DC×1 #8	7,000	
• [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	DC×27 #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	DC×27 #11	6,500	
	MO-6814S-BB6-30P		2	4	2.0	2.0	3	3.8	1:0.7~1:2	5.0	DC×27 #11	7,000	
	MO-6814S-BE6-30P	L~M	2	4	2.0	4.0	3	3.8	1:0.7~1:2	5.0	DC×27 #11	7,000	Anti-material-slip
For tap	e attaching G44: Tap	be attachin	g presse	er foot	Q143: Ta	pe guide	1		1		M		• * * * * *
	MO-6814S-BD6-24H/ G44/Q143		2	4	2.0	3.0	3	3.8	1:0.7~1:2	5.5	DC×27 #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	DC×27 #9	7,000	
\mathbf{i}	MO-6814S-BD6-34H/ G44/Q143	L~M	2	4	2.0	3.0	3	3.8	1:0.7~1:2	5.5	DC×27 #11	7,000	
-34 -	MO-6814S-BE6-34H/ G44/Q143		2	4	2.0	4.0	3	3.8	1:0.7~1:2	5.5	DC×27 #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	DC×27 #14	6,500	
	fety stitching] stitching in general	fabric			L	1	1			i	e ()		29 @ (
<u>or run</u>	MO-6816S-DE6-30H		2	5	3.0	4.0	3	3.8	1:0.7~1:2	5.5	DCx27 #11	7,000	
	MO-6816S-FF6-30H	L~M	2	5	5.0	5.0	3	3.8	1:0.7~1:2	5.5	DC×27 #11	7,000	
	MO-6816S-FF6-50H		2	5	5.0	5.0	3	3.8	1:0.7~1:2	7.0	DC×27 #16	6,500	
	MO-6816S-FH6-50H	M~H	2	5	5.0	6.0	3	3.8	1:0.7~1:2	7.0	DC×27 #16	6,500	
- BILL	MO-6816S-FF6-60H		2	5	5.0	5.0	3	4.5	1:0.9~1:1.7	7.0	DC×27 #21	6,000	
	MO-6816S-FH6-60H	Н	2	5	5.0	6.0	3	4.5	1:0.9~1:1.7	7.0	DC×27 #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	DC×27 #11	7,000	Anti-material-slip
ror rol	Iing-in tape N075: CI MO-6845S-FF6-360/ N075	ean finish M~H	top and 2	bottom 4	5.0	5.0	3	3.8	1:0.7~1:2	5.0	DC×27 #14	7,000	2-needle type for double-chainstitch
INU/S on pocket bags													
● [3-n	MO-6843S-1D6-40H	ning]	3	6	5.0+2.0	3.0	3	3.8	1:0.7~1:2	6.5	DC×27 #11	7,000	
	MO-6843S-2D6-40H	M~H			3.0+2.0		3		1:0.7~1:2	6.5	DC×27	7,000	
k"sti/min" o	MO-6843S-2D6-40H ands for "Stitches per Minute."		3	6	3.0+2.0	3.0	3	3.8	1.0.7~1:2	0.5	#11	7,000	

BLOUSE

POLO SHIRTS

DRESS SHIRTS

SKIRT

R

JUMPER

K

SPORTS WEAR KNIT WEAR SUIT

COAT

3

JEANS

HANDKERCHIEF

T

SCARF

KNIT SHIRTS

PAJAMA

Sewn product pictogram

T-SHIRTS TROUSERS ONE-PIECE

7

UNDER SHIRTS

SPECIFICATIONS

Model name	MO-6804S	MO-6814S	MO-6816S	MO-6843S					
Stitch type	1-needle overlock	2-needle overlock Safety stitching		3-needle safety stitching					
Stitch style in the U.S.A.	504	516	_						
Max. sewing speed	7,000sti/min								
Stitch length	0.6 ~ 3.8 (4.5) mm								
Needle gauge (mm)	—	2.0	3.0, 5.0	3.0+2.0, 5.0+2.0					
Overedging width (mm)	1.5, 4.0	2.0, 3.0, 4.0	4.0, 5.0, 6.0	3.0					
Differential feed ratio	For gathering 1:2 (Max. 1:4), For stretching 1:0.7 (Max. 1:0.6)								
Needle bar stroke	24.5mm(60H:27.0mm)								
Inclination angle of the needle	20°								
Needle bar bushing	Lower bushing method								
Needle	DC×27 (excluding some subclass model)								
Max. lift of the presser foot	7mm (excluding some subclass model)								
Max. presser foot pressure	63.7N (6.5kgf)								
Stitch adjusting method	By push-button								
Differential-feed adjusting method	By lever (with micro-adjustment)								
Weight of the machine head	27kg								
Lubrication	Automatic								
Lubricating oil	JUKI Machine Oil 18 (equivalent to ISO VG18)								
Needle cooler		Provided a	s standard						
Needle thread heat remover		Provided a	s standard						
Micro-lifter	Option								

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:



JUKI ECO PRODUCTS

The MO-6800S is an eco-friendly product which complies with JUKI ECO PRODUCTS standards for protecting the environment.



• The sewing machine complies with the "Juki Group Green Procurement Guidelines" on the use of hazardous substances, which is stricter than other restrictions, such as those of the RoHS Directive.

For details of JUKI ECO PRODUCTS, refer to: http://www.juki.co.jp/eco_e/index.html *The RoHS Directive is an EU Directive limiting the use of 6 hazardous substances (lead, hexavalent chromium, mercury, cadmium

*The RoHS Directive is an EU Directive limiting the use of 6 hazardous substances (lead, hexavalent chronium, mercury, cadmium, PBB and PBDE) in electrical and electronic equipment. The Juki Green Procurement Guideline is the voluntarily established criteria to eliminate not only the aforementioned six substances, but also other ones which also adversely affect the environment





Registered Organization : JUKI CORPORATION Head Office The Scope of the Registration : The activities of research, development, design, sales, distribution, and maintenance services of industrial sewing machines, household sewing machines and industrial robots, etc., including sales and maintenance services of data entry systems.



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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 soyink on recycle paper.