

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-6800S **SERIES** High-speed, Overlock / Safety Stitch Machine

■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	514	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	or stretching 1:0.7 (Max. 1:0.6))								
Needle bar stroke		24.5mm(60	H:27.0mm)									
Inclination angle of the needle		20)°									
Needle bar bushing	Lower bushing method											
Needle		DC×27 (excluding so	me subclass model)									
Max. lift of the presser foot		7mm (excluding sor	ne subclass model)									
Max. presser foot pressure		63.7N (6.5kgf)									
Stitch adjusting method		By push	-button									
Differential-feed adjusting method		By lever (with mi	cro-adjustment)									
Weight of the machine head		27	kg									
Lubrication		Autor	natic									
Lubricating oil		JUKI Machine Oil 18 (e	quivalent to ISO VG18)									
Needle cooler		Provided a	s standard									
Needle thread heat remover	Provided as standard											
Micro-lifter		Opt	ion	·								

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:

Stitch type U.S.A Code Type Code Device and attachment													
1-needle overlock	504	04	Standard	S	Tape attaching presser	foot (for sewing sha	arp curves) / Tape gu	uide	G44/Q				
2-needle overlock	514	14			Clean finish top and bo	ttom			N07				
2-needle safety stitch	516	16											
3-needle safety stitch		43											
2-needle double chain stitch		45											
MO68050000/000000													
Motorial Application Special machine Code													
Needle Overedging	Feed	0-4-			Material	Application	Special machine	Code	1				
gauge width (mm)	dog	Code	Extra light- light-weig		Light-weight materials	Rolled hemming	Standard	150					
<u> </u>	2-row	0A4			Specific to knits	Tape attaching	Standard	24H					
<u> </u>	2-row	0E4				Standard	Standard	30H					
2.0 2.0	3-row	BB6	Light- to medium-we		Fan man and fall size	Standard	Anti-marerial-slip	30P					
2.0 3.0	3-row	BD6	inediam-we	igiit	For general fabrics	Tape attaching	Standard	34H					
2.0 4.0	3-row	BE6				Rolling-in tape	Standard	360					
3.0 4.0	2-row	DE4			Specific to knits	Standard	Standard	40H					
3.0 4.0	3-row	DE6	Medium-	to	such as sweaters	Tape attaching	Standard	44H					
5.0 5.0	3-row	FF6	heavy-weig	ght	Medium- to heavy-weight	04	Ot and and	5011					
5.0 6.0	3-row	FH6			materials such as denim	Standard	Standard	50H					
5.0+2.0 3.0	3-row	1D6	h	-1-4	h a a constant	04	Ot and and	0011					
3.0+2.0 3.0	3-row	2D6	heavy-weigh	gnt	heavy-weight	Standard	Standard	60H					

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: https://www.juki.co.jp/en/company/ec



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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.

≯ Paper from responsible sources **FSC**[™] **C001712**

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

Model Part No.



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

[Reference]

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.



DEVICES AND ATTACHMENTS

Chain-of	Chain-off thread trimming device											
T053 70000081 Pneumatic flat cutter												
T054	T054 70000082 Pneumatic side cutter (for overlock machine)											
Pneumat	Pneumatic chain-off thread suction device											
Model	Part No.	Pneumatic chain-off thread +	Air type auto-lifter	Clutch motor	Servo motor							

i ileuillati	ic cham-on	till cau suction device			
Model	Part No.	Pneumatic chain-off thread + cloth chips clutch motor	Air type auto-lifter	Clutch motor	Servo motor
MC906	70000085	•		•	
MC919	40182486	•			•
MC910	70000106	•	•	•	
MC921	40182487	•	•		•

and "auto-lifer" which correspond to "chain-off thread trimming device' Auto-lifte

Combination table of "chain-off thread suction device"

		MC906	Clutch motor
T053	+	MC909	servo motor
T054		MC910	Air type auto-lifter clutch motor
		MC911	Air type auto-lifter servo motor
			•

Model	Part No.	Description	Feature						
Gathering	g device								
S206	70000089	Swing-type gathering device (interlocked with pedal / for overlock machine)(with BE6 gauge)							
S207	70000090	Swing-type gathering device (interlocked with pedal / for safety stitch machine)(with DF6 gauge)	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)(with FF6 gauge)	_						

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

	-	LIN H	Ţ	با	, → - (mm)	Ī∭-	*****	→	00	(mm)	_ •	(sti/min)	Remarks
Seams	Model No.	Materials	Number of needles	Number of threads	Needle gauge	Overedging width	Number of feed dog rows	Stitch length	Bottom differentialfeed ratio	Presser lifting amount	Needle system	Max sewing speed	

• [1-needle overlock]

_	stitching in general	fabric										7		. 6
	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		

r roll	ed hemming (folded	downwa	ard)									
	MO-6804S-044-150	EI 1	1	2	1.5	2	20	1.0 7 1.2	6.0	DC×1	7 000	

[2-needle overlock]

For runstitching in general fabric

 notitorining in gonorui											41	350
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	1 1	2	4	2.0	2.0	3	3.8	1:0.7~1:2	5.0	DC×27 #11	7,000	Anti-material-slip
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	For tape attaching G44: Tape attaching presser foot Q143: Tape guide													
	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	L~M	2	4	2.0	4.0	3	3.8	1:0.7~1:2	5.5	DC×27 #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	DC×27 #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	DC×27 #11	7,000		
	MO-6814S-BE6-44H/	M~H	2	4	2.0	4.0	3	3.8	1:0.7~1:2	7.0	DC×27	6,500		

[Safety stitching]

For runstitching in general fabric

roi iui	istituining in general i	abile							•	140		96	. 60 an an
	MO-6816S-DE6-30H	- L~M	2	5	3.0	4.0	3	3.8	1:0.7~1:2	5.5	DC×27 #11	7,000	
	MO-6816S-FF6-30H		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	
September 1	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	
	MO-6816S-FF6-60H	н	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	П	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

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

M	MO-6845S-FF6-360/ I075	M~H	2	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 on pocket bags

● [3-needle safety stitching]

[5-fleedie safety stitching]													90	
	MO-6843S-1D6-40H	M~H	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		3	6	3.0+2.0	3.0	3	3.8	1:0.7~1:2	6.5	DC×27 #11	7,000		

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

Sewn product pictogram

M	T								2						4		
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	SCAR