

MO-6800S Series

High-speed, Overlock / Safety Stitch Machine



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



INCO-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



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 trin	nming 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-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	+	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)	
S207	70000090	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 swillig 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	Number of threads	⊣ ⊢ (mm) Needle gauge	Overedging width	Number of feed dog rows	(mm) Stitch length	Bottom differentialfeed ratio	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 rolled hemming (folded downward)													
	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	
	eedle overlock]	fabric										T l	PLAR
	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
or tan	e attaching G44: Tap	e attachin	a press	er foot	O1/(3: Tai	ne quide							erre
от тар	MO-6814S-BD6-24H/ G44/Q143	e attaciiii	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	
	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	
	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]	fahric			I		ı				348		29m4
OI TUI	MO-6816S-DE6-30H		2	5	3.0	4.0	3	3.8	1:0.7~1:2	5.5	DC×27 #11	7,000	100 100 100
	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	
Har	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
For rol	ling-in tape N075: Cl	oan finish	ton and	hottom							ı		
S 101	MO-6845S-FF6-360/ N075	M~H	top and 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
	needle safety stitch	ing 1	l		l		l	<u> </u>	I	l	l	9	on pocket bags
, U-II	MO-6843S-1D6-40H	A 1	3	6	5.0+2.0	3.0	3	3.8	1:0.7~1:2	6.5	DC×27 #11	7,000	# mmm 11 (C)
	MO-6843S-2D6-40H	M~H	3	6	3.0+2.0	3.0	3	3.8	1:0.7~1:2	6.5	DC×27 #11	7,000	
	tands for "Stitches per Minute."												
Sewn	product pictogram												

Sewn product pictogram KNIT WEAR 4 DRESS SHIRTS POLO SHIRTS SPORTS WEAR UNDER SHIRTS T-SHIRTS TROUSERS ONE-PIECE SKIRT BLOUSE JUMPER PAJAMA SUIT COAT JEANS HANDKERCHIEF SCARF

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		7,000s	sti/min						
Stitch length									
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-needle safety stitching - 3.0+2.0, 5.0+2.0 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(60	H:27.0mm)						
Inclination angle of the needle	nclination angle of the needle 20°								
Needle bar bushing		Lower bush	ing 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	n-button						
Differential-feed adjusting method		By lever (with mi	icro-adjustment)						
Weight of the machine head		27	kg						
Lubrication		Autor	matic						
Lubricating oil		JUKI Machine Oil 18 (e	. ,						
Needle cooler		Provided a							
Needle thread heat remover		Provided a	s standard						
Micro-lifter		Opt	tion						

^{*&}quot;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	е	U.S.A	Code	Туре	Code	[Device and attachm	ent		Code
1-needle overloo	ck	504	04	Standard	S	Tape attaching presser	foot (for sewing sha	arp curves) / Tape gu	uide	G44/Q143
2-needle overlock		514	14		Clean finish top and bottom					
2-needle safety sti	516	16								
3-needle safety sti		43								
2-needle double ch	nain stitch		45							
					<u>'</u>					
			ΜO	68 🗆	S	/				
	_									
										_
Needle	Overedging	Feed				Material	Application	Special machine	Code	
gauge (mm)	width (mm)	dog	Code	Extra light light-weight	t- to ght	Light-weight materials	Rolled hemming	Standard	150	
	1.5	2-row	0A4			Specific to knits	Tape attaching	Standard	24H	
	4.0	2-row	0E4			For general fabrics	Standard	Standard	30H	
2.0	2.0	3-row	BB6	Light- to medium-we			Standard	Anti-marerial-slip	30P	
2.0	3.0	3-row	BD6	Inodiam w	oigiit		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-we	iabt	Medium- to heavy-weight	01	01	5011	
5.0	6.0	3-row	FH6			materials such as denim	Standard	Standard	50H	
5.0+2.0	3.0	3-row	1D6	boom	iabt	hoove, woight	Ctandard	Ctandard	60H	
3.0+2.0	3.0	3-row	2D6	heavy-weight		heavy-weight	Standard	Standard	DUH	

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 chrom, 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







: JUKI CORPORATION Head Of



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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.