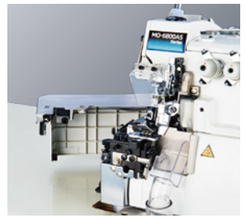
Smart Devices

The cover sensor unit and cover microswitch unit

The cover sensor unit and cover microswitch unit that detect **1**, **2** and **3** (shown right) are closed tightly during sewing, thereby preventing the sewing machine from starting up unexpectedly.



1. Eye guard with an open/close sensor



2. Cloth plate cover with an open/close microswitch



3. Presser foot arm with an open/close sensor

SPECIFICATIONS

Model name	MO-6800AS/DD10, 22, 23				MO-6800AD/DD10, 22, 23			
	MO-6804AS	MO-6814AS	MO-6816AS	MO-6843AS	MO-6804AD	MO-6814AD	MO-6816AD	MO-6843AD
Stitch type	1-needle overlock	2-needle overlock	Safety stitching	3-needle safety stitching	1-needle overlock	2-needle overlock	Safety stitching	3-needle safety stitching
Stitch style in the U.S.A.	504	514	516	—	504	514	516	—
Dry type	—	—	—	—	Semi-dry	Semi-dry	Semi-dry	Semi-dry
Max. sewing speed	7,000sti/min (excluding some subclass model)							
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	—	2.0	3.0, 5.0	5.0+2.0
Overedging width (mm)	1.5, 4.0	3.0, 4.0	4.0, 5.0, 6.0	3.0	4.0	2.0, 3.0, 4.0	4.0, 5.0	3.0
Bottom differential feed ratio	Gathering 1:2 (Max. 1:4), Stretching 1: 0.7 (Max. 1:0.6)							
Needle bar stroke	24.5mm (60H: 27mm)							
Inclination angle of the needle	20°							
Needle mechanism	Lower bushing method							
Needle	DC×27 (refer to subclass machine list) / DC×1 (available only on some models)							
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 (The needle bar mechanism and upper looper mechanism do not require lubrication.)							
Lubricating oil	JUKI Machine Oil 18 (equivalent to ISO VG18)							
Needle cooler	Provided as standard							
Needle thread heat remover	Provided as standard							
Micro-lifter	Option							

WHEN YOU PLACE ORDERS

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

Stitch type	Code
1-needle overlock	04
2-needle overlock	14
2-needle safety stitch	16
3-needle safety stitch	43

Type	Code
Standard	S
Semi-dry	D

Device and attachment	Code
Latch for changing overedging width	E35
Tape attaching presser foot includes Tape guide	G44
Piping folder (to be used with knit tape)	N075

Power supply	Code
Single phase 220~240V	K
Single phase 220~240V (CE)	N
Single phase 110~120V	S

MO68□□A□□□□□□□□□□□DD□□□

Needle gauge (mm)	Overedging width (mm)	Feed dog	Code
—	1.5	2-row	0A4
—	4.0	2-row	0E4
2.0	2.0	3-row	BB6
2.0	3.0	3-row	BD6
2.0	4.0	3-row	BE6
3.0	4.0	2-row	DE4
3.0	4.0	3-row	DE6
5.0	5.0	3-row	FF6
5.0	6.0	3-row	FH6
5.0+2.0	3.0	3-row	1D6
3.0+2.0	3.0	3-row	2D6

Material		Application	Special machine	Code
Extra light- to light-weight	Light-weight materials	Rolled hemming	Standard	150
Light- to medium-weight	Specific to knits	Tape attaching	Standard	24H
	For general fabrics	Standard	Standard	30H
		Standard	Anti-marerial-slip	30P
		Tape attaching	Standard	34H
		Rolling-in tape	Standard	360
Medium- to heavy-weight	Specific to knits such as sweaters	Standard	Standard	40H
		Tape attaching	Standard	44H
	Medium- to heavy-weight materials such as denim	Standard	Standard	50H
heavy-weight	heavy-weight	Standard	Standard	60H

Motor (Device)	Code
Direct drive motor	DD10
Direct drive motor (Side cutter with sensor / Automatic foot lifter / Waste removal suction)	DD22
Direct drive motor (Tape cutter with sensor / Automatic foot lifter / Waste removal suction)	DD23

✻Code "60H" is available only Type "S"

JUKI CORPORATION SEWING BUSINESS UNIT
2-11-1, TSURUMAKI, TAMA-SHI, TOKYO 206-8551, JAPAN PHONE: +81-42-357-2355 FAX: +81-42-357-2274 https://www.juki.co.jp/en

MS CM001 ISO14001 JSAE389

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.

- Specifications and appearance may be changed without notice for improvement purposes.
- To ensure safe use, be sure to read the instruction manual before use.

The information in this catalog is current as of November 2026. (Rev01) (JC)

MO-6800AS/DD10, DD22, DD23

Direct-drive, High-speed, Overlock / Safety Stitch Machine

MO-6800AD/DD10, DD22, DD23

Semi-dry-head, Direct-drive, High-speed, Overlock / Safety Stitch Machine



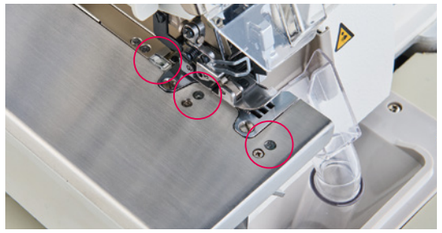
Features

- The direct drive system has been adopted.
- Both the control box and the operation panel are integrated with the machine head.
- Max. sewing speed 7,000sti/min.
- Lubrication Method:
  MO-6800 "**AD**" is **Semi-dry**
  (needle bar/upper looper no lubrication).

MO-6800AS(D)/DD Series

Automatic thread trimmer with a material sensor

The MO-6800AS(D)/DD Series of sewing machine is provided as standard with the side cutter with 2 material sensors (DD22) and the Tape cutter with 3 material sensors (DD23). Under the full-automatic mode, the material sensor detects the presence / absence of the material to prevent the operator from erroneously operate the side cutter etc. In addition to the full-automatic mode, the manual mode and the semi-automatic mode can be selected.



3 material sensors

Model	Direct-drive motor Integrated head / panel	Sensor control	Side cutter	Tape cutter	Automatic foot lifter	Waste removal suction device	Remarks
			Pneumatic	Pneumatic	Pneumatic	Pneumatic	
DD10	●	–	✳	✳	✳	✳	✳ : Can be retrofitted
DD22	●	● 2 material sensors	●	–	●	●	With device
DD23	●	● 3 material sensors	–	●	●	●	

Operator fatigue reduction (LED light) Standard equipment with all series

For the LED light, the improved toning function with two additional colors (Cool White / Warm white) is provided. Illuminance of the LED light is adjustable in five levels. This LED light helps reduce the operator's eye fatigue who is engaged in sewing work for a long time.



Mixed color



Cool White



Warm white

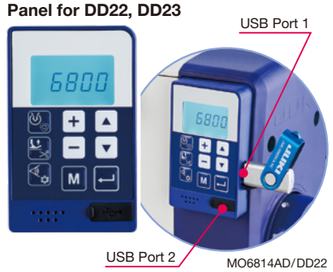
Operation panel and control box are integrated with the machine head

The energy-saving and highly efficient servomotor is installed in the direct-drive style. The sewing machine quick lystarts up and stops with increased accuracy, thereby demonstrating improved responsiveness.

USB port

The USB port is standard on the control panel and You can easily upgrade the software. The MO-6800AS (D)/DD22, 23 has another one USB port for charging a mobile phone, etc.

Panel for DD22, DD23



MO6814AD/DD22

Panel for DD10



MO6814AS/DD10

Devices And Attachments

Model	Part No.	Description	Feature
Gathering device			
S206	70000089	Swing-type gathering device (interlocked with pedal / for overlock machine) (with BE6 gauge)	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) (with DF6 gauge)	
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)	

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 differentialfeed ratio	Presser lifting amount (mm)	Needle system	Max sewing speed (sti/min*)	Remarks
●1-needle overlock															
For runstitching in general fabric															
	AS		MO6804AS0E430H DD10*, DD22*	L~M	1	3	–	4.0	2	3.8	1:0.7~1:2	6.0	DC×27 #11	7,000	
	AD		MO6804AD0E430H DD10*	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)															
	AS		MO6804AS0A4150 DD10*, DD22*	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															
	AS		MO6814ASBD630H DD10*, DD22*	L~M	2	4	2.0	3.0	3	3.8	1:0.7~1:2	5.5	DC×27 #11	7,000	
			MO6814ASBE630H DD10*	L~M	2	4	2.0	4.0	3	3.8	1:0.7~1:2	5.5	DC×27 #11	7,000	
			MO6814ASBE640H DD10*, DD22*	M~H	2	4	2.0	4.0	3	3.8	1:0.7~1:2	5.5	DC×27 #11	6,500	
			MO6814ASBE630P DD10*, DD22*	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
	AD		MO6814ADBD630H DD10*, DD22*	L~M	2	4	2.0	3.0	3	3.8	1:0.7~1:2	5.5	DC×27 #11	7,000	
			MO6814ADBE630H DD10*	L~M	2	4	2.0	4.0	3	3.8	1:0.7~1:2	5.5	DC×27 #11	7,000	
			MO6814ADBE640H DD10*, DD22*	M~H	2	4	2.0	4.0	3	3.8	1:0.7~1:2	7.0	DC×27 #11	6,500	
			MO6814ADBB630P DD10*, DD22*	L~M	2	4	2.0	2.0	3	3.8	1:0.7~1:2	5.0	DC×27 #11	7,000	Anti-material-slip
			MO6814ADBE630P DD10*, DD22*	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 tape attaching G44: Tape attaching presser foot includes Tape guide															
	AS		MO6814ASBD624HG44 DD10*, DD22*, DD23*	L~M	2	4	2.0	3.0	3	3.8	1:0.7~1:2	5.5	DC×27 #9	7,000	
			MO6814ASBE624HG44 DD10*, DD22*, DD23*	L~M	2	4	2.0	4.0	3	3.8	1:0.7~1:2	5.5	DC×27 #9	7,000	
			MO6814ASBD634HG44 DD10*, DD23*	L~M	2	4	2.0	3.0	3	3.8	1:0.7~1:2	5.5	DC×27 #11	7,000	
			MO6814ASBE634HG44 DD10*, DD22*, DD23*	L~M	2	4	2.0	4.0	3	3.8	1:0.7~1:2	5.5	DC×27 #11	7,000	
			MO6814ASBE644HG44 DD10*, DD22*, DD23*	M~H	2	4	2.0	4.0	3	3.8	1:0.7~1:2	7.0	DC×27 #14	6,500	
	AD		MO6814ADBD624HG44 DD10*, DD23*	L~M	2	4	2.0	3.0	3	3.8	1:0.7~1:2	5.5	DC×27 #9	7,000	
			MO6814ADBE624HG44 DD10*, DD22*, DD23*	L~M	2	4	2.0	4.0	3	3.8	1:0.7~1:2	5.5	DC×27 #9	7,000	
			MO6814ADBE634HG44 DD10*, DD22*, DD23*	L~M	2	4	2.0	4.0	3	3.8	1:0.7~1:2	5.5	DC×27 #11	7,000	
			MO6814ADBE644HG44 DD10*, DD22*, DD23*	M~H	2	4	2.0	4.0	3	3.8	1:0.7~1:2	7.0	DC×27 #14	6,500	
●Safety stitching															
For runstitching in general fabric															
	AS		MO6816ASDE630H DD10*, DD23*	L~M	2	5	3.0	4.0	3	3.8	1:0.7~1:2	5.5	DC×27 #11	7,000	
			MO6816ASFF630H DD10*, DD22*, DD23*	L~M	2	5	5.0	5.0	3	3.8	1:0.7~1:2	5.5	DC×27 #11	7,000	
			MO6816ASFF650H DD10*, DD23*	L~M	2	5	5.0	5.0	3	3.8	1:0.7~1:2	7.0	DC×27 #16	6,500	
			MO6816ASFH650H DD10*	L~M	2	5	5.0	6.0	3	3.8	1:0.7~1:2	7.0	DC×27 #16	6,500	
			MO6816ASFF660H DD10*	H	2	5	5.0	5.0	3	4.5	1:0.9~1:1.7	7.0	DC×27 #21	6,000	
			MO6816ASFH660H DD10*, DD23*	H	2	5	5.0	6.0	3	4.5	1:0.9~1:1.7	7.0	DC×27 #21	6,000	
			MO6816ASDE430P DD10*, DD23*	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
			MO6816ASDE430HE35 DD10*, DD23*	L~M	2	5	3.0	4.0	2	3.8	1:0.7~1:2	5.0	DC×27 #11	7,000	
	AD		MO6816ADDE430H DD10*	L~M	2	5	3.0	4.0	2	3.8	1:0.7~1:2	5.5	DC×27 #11	7,000	
			MO6816ADFF650H DD10*	L~M	2	5	5.0	5.0	3	3.8	1:0.7~1:2	7.0	DC×27 #16	6,500	
			MO6816ADDE430HE35 DD10*, DD23*	L~M	2	5	3.0	4.0	2	3.8	1:0.7~1:2	5.5	DC×27 #11	7,000	
			MO6816ADDE430P DD10*	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
●3-needle safety stitching															
	AS		MO6843AS1D640H DD10*, DD23*	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	
			MO6843AS2D640H DD10*, DD23*	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	
	AD		MO6843AD1D640H DD10*, DD23*	M~H	3	6	5.0+2.0	3.0	3	3.8	1:0.7~1:2	5.5	DC×27 #11	7,000	

Sewn product pictogram

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✳sti/min is the abbreviation for "stitches per minute"