

At your side.
brother®

SINGLE NEEDLE ZIGZAG LOCK STITCHER

ZM-8500

ZM-8510

A standard model for sewing plain and 3-step zigzag stitches which is ideal for large production volumes.



Improved sewing quality and ease of use
A standard model for sewing plain and 3-step zigzag stitches
which is ideal for large production volumes.

Gesteigerte Verarbeitungsqualität mit höherem Bedienungskomfort
Eine Standardmaschine zum Nähen von geraden Stichen oder 3-
Stufen-Zickzackstichen, geeignet für große Produktionsvolumen.

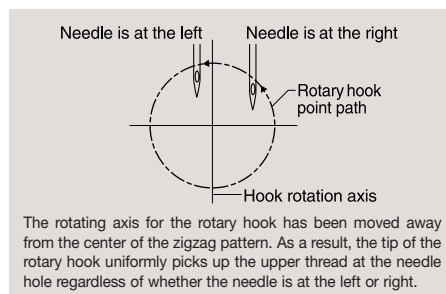
Qualité de couture améliorée et facilité d'utilisation
Un modèle standard pour la couture de points simples et zigzag
3 étapes, idéal pour la productions de volumes importants.

Calidad de costura mejorada y facilidad de uso
Un modelo estándar para costura sencilla y puntadas en zig-zag
de 3 pasos que es ideal para volumenenes de producción grandes.



Softer sewing finishes with improved quality
Weichere Verarbeitung mit gesteigerter Qualität
Des finitions de couture plus douces
avec une qualité améliorée
Terminaciones de costura suaves con
calidad mejorada

In order to provide a much softer sewing finish even with weaker thread tensions, the needle and rotary hook timing and the shape of the rotary hook and thread take-up lever have been changed, and the thread path has been improved. These changes ensure that this sewing machine provides the same stable and high-quality sewing finishes as electronic zigzag stitchers.



Adoption of a rotary hook shaft offset mechanism
Verwendung eines Greiferwellenversatzes
Adoption d'un dispositif de décalage d'
axe de crochet rotatif
Adopción de un mecanismo de eje de
garfio giratorio descentrado

This mechanism prevents the skipped stitches and thread breakages which can occur particularly when the needle is at the right zigzag position. At the same time, it improves maintenance by making it easier to adjust the rotary hook timing, and also prevents the rotary hook tip being damaged by the needle guard.



Adoption of a reference line adjustment lever
Verwendung eines Bezugslinieneinstellhebels
Adoption d'un levier d'ajustement de
ligne de référence
Adopción de una palanca de ajuste de
línea de referencia

The zigzag reference line and zigzag width can be changed easily by operating a lever. This design makes operation much easier, and the reference line adjustment lever also includes a lock nut which allows fine adjustments to be made easily.



Easy presser foot pressure adjustment
Einfache Einstellung des Stoffdrückerfußdrucks
Ajustement facile de la pression du pied
presseur
Ajuste sencillo de la presión del prensatelas

The presser foot adjustment screw has scale markings which serve as a guide for adjusting the presser foot pressure. In addition, it is also large in size and easy to operate.



Adjustment dial for condense stitch settings
Einstellscheibe für Verdichtungsstiche
Molette d'ajustement pour le réglage des
points condensés
Dial para ajuste de puntadas conden-
sadas

A new condense dial has been added. This makes it much easier to make condense stitch settings.



Titanium-coated rotary hook with excel-
lent durability
Titanbeschichteter Greifer mit hervorra-
gender Beständigkeit
Crochet rotatif à revêtement en titane
avec une durabilité excellente
Garfio giratorio revestido de titanio de
excelente durabilidad

In addition to improving durability, the titanium coating on the inner rotary hook reduces the amount of heat generated by the rotary hook, so that less oil is required for lubrication. This eliminates the problem of the thread or material becoming oil-stained.

Small-amount lubrication for rotary hook
Geringe Greiferschmierung
Lubrification légère du crochet rotatif
Lubricación del garfio giratorio en
pequeñas cantidades

A unique oil valve method (patent pending) has been adopted in the rotary hook lubrication mechanism, making it possible to supply small amounts of oil to the rotary hook in stable.

This is a zigzag stitcher which is based on an electronic zigzag stitcher. A reliable double eccentric cam (for plain zigzagging) and also a new type of cam (for 3-step zigzagging) with an extremely small needle deflection has been adopted in the needle zigzag mechanism. Both these features give much higher-quality finishes to zigzag stitching. They also greatly boost the sewing machines durability and reliability.



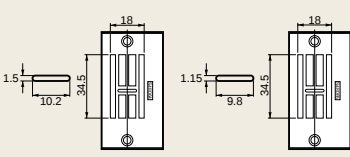
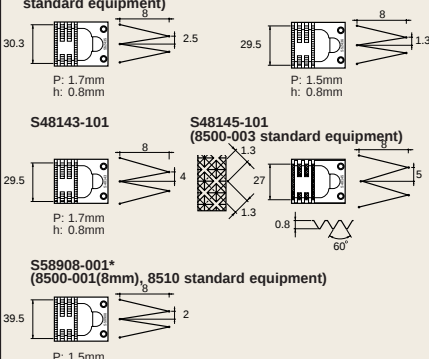
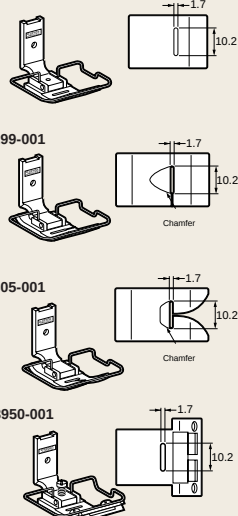
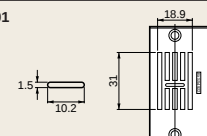
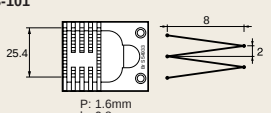
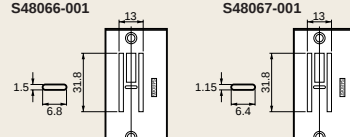
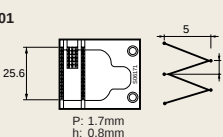
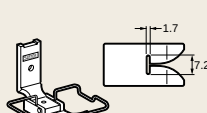
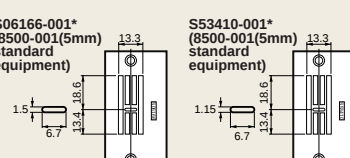
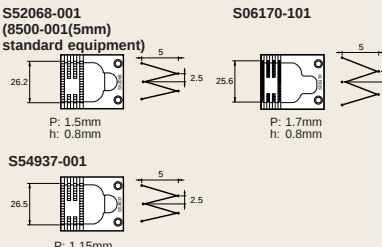
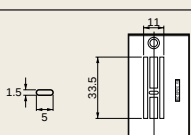
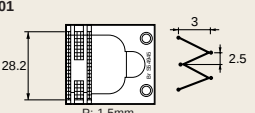
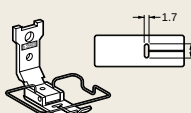
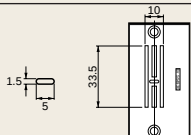
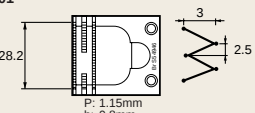
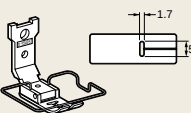
8510-001
3-step zigzag



8500-001
(5mm type)
Plain zigzag
(Max. zigzag width 5mm)

8500-001
(8mm type)
8500-003
Plain zigzag
(Max. zigzag width 8mm)

●Gauge parts

Zigzag width	Needle plate	Feed dog  (p: pitch, h: height)	Presser foot
8 mm	S48064-001* (8500-001(8mm), -003, 8510 standard equipment) S48065-001* (8500-001(8mm), -003, 8510 standard equipment) 	S52435-001* (8500-001(8mm), 8510 standard equipment) S52436-001 	S48293-001 (8500-001(8mm), -003, 8510 standard equipment) S48299-001 S48305-001 S58950-001 
	S54922-001 	S54933-101 	
5 mm	S48066-001 S48067-001 	S06171-101 	S48308-001 (8500-001(5mm) standard equipment) 
	S06166-001* (8500-001(5mm) standard equipment) S53410-001* (8500-001(5mm) standard equipment) 	S52068-001 (8500-001(5mm) standard equipment) S06170-101 S54937-001 	
3 mm	S54929-001 	S54945-001 	S54956-001 
	S54930-001 	S54946-001 	S54957-001 

●Specifications

						
	Zigzag stitch	1-needle	Bottom feed	Height of presser foot	Needle stroke	Max. sewing speed
8500	★	★	★	Manual 6 mm Knee 10 mm	33.3 mm	5,000 rpm
8510	★	★	★			

	8500-001, 8510-001 (foundation)	8500-003 (long stitch)
Max. stitch length	2.5 mm	5 mm
Thread take up	Rotary	
Presser pressure	20 – 60 N	
Needle type	SCHMETS SY1965 Nm70(#10)	
Height of feed dog	1 mm	
Arm pocket area	W269 X D178 mm	

ZM-8500-00 

Plain zigzag

	Use	Max. zigzag width
1	General (foundation)	5mm
		8mm
3	General (long stitch)*	8mm

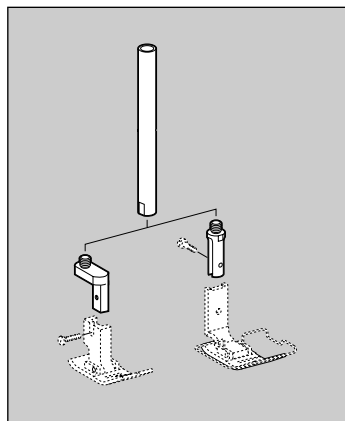
ZM-8510-00 

3-step zigzag

	Use	Max. zigzag width
1	General (foundation)	8mm

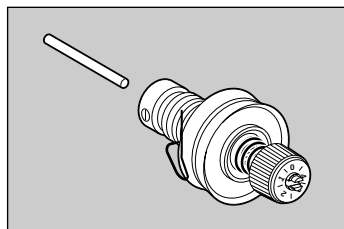
*If fine adjustments to the stitch length are needed, use "General (foundation)".

●Options



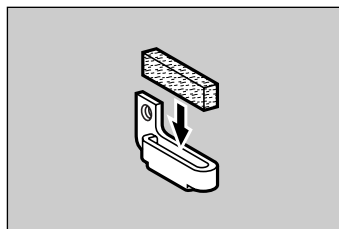
Presser bar

This is the separate type presser bar for using the presser foot for lock stitchers.



Thread tension assy (disc type) / Tension release pin

The difference in thread tightening depending on sewing speed when ladies wear and knitted garments are sewn is more reduced.



Thread guide, F / Felt

Prevents upper thread flapping causing skipped stitches and thread breakage when sewing coarse materials.



Rotary hook (Carbide-reinforced hook tip)

This prevents the hook tip from becoming worn and thus increases rotary hook durability.

Product specifications are subject to change for improvement without notice. Please read instruction manual before using the machine for safety operation.

brother
BROTHER INDUSTRIES, LTD.

15-1, Naeshiro-cho, Mizuho-ku, Nagoya 467-8561, Japan.
Phone: 81-52-824-2177 Fax: 81-52-811-7789 <http://www.brother.com/>

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Printed in Japan 2002.3.10080791B Vol.3