

Safety stitch machines

EX3200 Series



Max. Speed: 7500 rpm

Stitch length adjustment: Push-button

Diff. feed ratio adjustment: Lever with micro-adjustment

Subclass					
Fabric thickness	Subclasses	Number of needles	Number of threads	Needle space	Seam width
~	EX3216-53	2	5	3、5mm	4、5mm
~	EX3216 (15)-02	2	5(4)	2mm	3、4、5mm
~	EX3216 (15)-03	2	5(4)	3mm	4、5、6mm
~	EX3216 (15)-42	2	5(4)	3mm	4、5、6mm
~	EX3216 (15)-42P2	2	5(4)	3mm	4、6mm
~	EX3216 (15)-A04	2	5(4)	5mm	5、6mm
~	EX3216 (15) H-A05	2	5(4)	5mm	5、6、7mm
~	EX3244-03	3	6	3mm	2+4mm
~	EX3244-04	3	6	5mm	3+4mm
~	EX3244-A04	3	6	5mm	3+4mm

Safety stitch machines

EX Series

Point 1 Produces beautiful stitches

You will easily obtain well-balanced and beautiful stitches with easy-to-adjust thread tensions. The machines feed the fabric more properly to achieve high quality stitches. The double chainstitch, safety stitch machines produce neatly finished seams with balloon stitches formed by looper threads of good texture.



Point 2 High productivity with high speed machines

Increases productivity at a max speed of 8,500 rpm.



Point 3 Increased durability

Includes the mechanism that reduces wear and tear of parts increasing durability.



Point 4 Ease of operation

Replacing the needles, threading the machine and adjusting thread tension are easy.



Point 5 Easy to maintain the machine

Alignment marks on looper thread guides and double chainstitch looper thread take-up eliminates the need for bothersome measurement using a ruler. Thanks to the micro adjustment feature, a precise adjustment is easily made on the lower looper front-to-back movement and double chainstitch looper front-to-back movement.

Easy to adjust the stitch length

All you have to do is press the push button.

Tilt adjustment on the feed dog is readily made

Easy access to the adjustment screw without opening the cover.

Adjusting the differential feed ratio is easy

A fine adjustment is effortlessly made.



All subclasses equipped with upper and lower Needle/Thread cooler devices (HR)

Heat is generated on the needle due to friction when the needle penetrates the fabric at high speeds. This causes thread breakage and/or stitch skipping. This series is equipped with HR device that always prevents heat generation on the point of the needle, allowing the thread to move smoothly and producing the stitches uniformly.

Labor saving devices

Code	Device names	Descriptions
AT	Automatic tape cutter	Automatically cuts the tape or thread chain exactly at preset positions. The cutter knife automatically descends to cut a tape and /or thread chain is sucked up. No scissors are needed, resulting in greater operational efficiency. Since the length of tape
TK	Tape cutter	These devices cut a tape and/or thread chain at the start and end of sewing. The cutter knife is lowered with the switch to cut the tape and/or thread chain. No scissors are needed. Two types of switches are available, finger and knee switches.
HR	Needle cooler and thread lubricator	This device reliably reduces heat generated at the point of the needle by friction when they penetrate the fabric with the machine running at high speed. In addition, it allows the thread to move smoothly through the machine, decreasing the cause of stitch skipping and/or thread breakage. As a result, the machine produces uniform stitches.
TW	Thread watcher	If the looper thread is broken during sewing, the sensor detects this malfunction and the machine automatically stops. This device reduces trouble caused by looper thread breakage and decreases the time and labor required for troubleshooting. *There are models and/or subclasses on which this TW cannot be employed together with the needle and thread cooler (Lower HR device).
AL	Auto-labeler	Attaches labels automatically at a preset position in the seaming operation. There is no need to stop the machine each time the label needs to be inserted, so the seaming operation is extremely efficient.
KH	Flat type vacuum chain cutter	A thread chain is cut as soon as it is sucked up by air suction. There is no need to cut the thread chain using scissors. The suction inlet is positioned flush with the needle plate and right behind the presser foot. Thanks to this feature, wide double chainstitch, extra heavy weight or woolen thread chains are smoothly sucked up.
KS	Vertical type vacuum chain cutter	A thread chain is cut as soon as it is sucked up by air suction. There is no need to cut the thread chain using scissors. Therefore, these devices dramatically increase operational efficiency.
LC	Pneumatic lint collector	This pneumatic device strongly sucks up cutting waste and fine dust generated during sewing, providing clean and comfortable working conditions.
PL	Presser foot lifter	Pressing the treadle with your heel raises the presser foot. This device is easy to use, thus decreasing operator fatigue and increasing productivity.
RP	Rear puller	The roller pulls the fabric from behind the needle drop hole. Thanks to this device, the machine smoothly sews difficult-to-feed fabrics, providing beautifully finished products with no plyshifting.