

Overedgers

EXT5200 Series



Max. Speed: 7000 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
~	EXT5204-02/233	1	3	—	4, 5mm
~	EXT5205-12/223	1	3	—	4mm
~	EXT5214-(M)03/333	2	4	2mm	3, 4, 5mm
~	EXT5214-43/333	2	4	2mm	3, 4, 5mm
~	EXT5214-54S1/433	2	4	2mm	3, 4, 5mm
~	EXT5214-54S1/443	2	4	2, 2.5mm	3, 4, 5 / 3.5, 4.5mm
~	EXT5214-54S2/433	2	4	2mm	3, 4, 5mm
~	EXT5214-54S2/443	2	4	2, 2.5mm	3, 4, 5 / 3.5, 4.5mm
~	EXT5214-84/433	2	4	2mm	3, 4mm
~	EXT5214-C3P1/333	2	4	2mm	4mm
~	EXT5214-C3P2/333	2	4	2mm	4mm
~	EXT5214H-55/545	2	4	2.5, 3mm	3.5, 4.5 / 4, 5mm
~	EXT5214H-85/535K	2	4	2.5, 3mm	3.5, 4.5 / 4, 5mm

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EXT Series

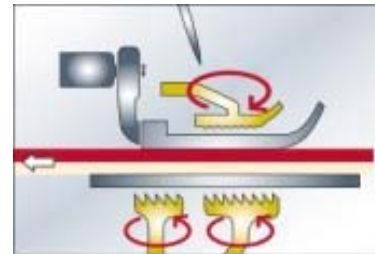
Point 1 High quality products with no twisting or plyshifting achieved by top and bottom feeding

Variable top feed machines feed the top ply as well as the bottom one. This prevents plyshifting and twisting of the fabric being sewn, generally enhancing the visual characteristics and textures of the material, without any lose of the original properties of the fabric on sewn products.



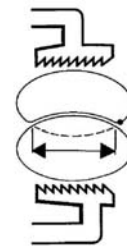
Point 2 Neat performance of shirring and piping

The top and bottom feed dogs are independently driven. Large differential feed ratios can be obtained. These features increase feeding efficiency. Especially, shirring is effectively performed.



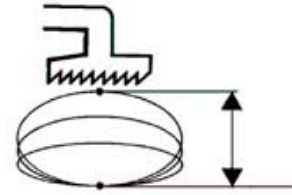
Point 3 Prevention of puckering

The stopper regulates the path of the top feed dog just before it contacts the bottom one. Thanks to this feature, no wrinkle is produced on the fabric during sewing with increased feeding distance. Thus, variable top feed machines prevent puckering.



Point 4 Beautifully finished products with balloon stitches

The up-and-down stroke of the top feed dog can be selected as desired according to the fabric and operation being employed. Large and strong strokes are used for sewing heavy weight fabrics and/or cross seam sections, and small strokes with soft touch are employed for sewing light weight fabrics.

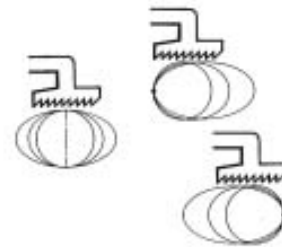


Feeding is assured even with heavy weight fabrics

On safety stitch machines, a combination of double chainstitch thread take-ups and needle plates produces beautiful and soft stitches, called balloon stitches.

Easy-to-adjust top and bottom feed dogs for the fabric employed

The front-to-back movement of the top feed dog can be easily adjusted from the outside. Three kinds of adjustments are available, rear-fixed, divided-in-half and front-fixed adjustments. The rear fixed type is used to obtain beautiful shirring, and the front fixed type is employed for effortlessly riding out cross seam sections.



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.
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).
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.
BL	Automatic backlatcher	Thanks to this device, the thread chain is backlatched by sewing it into the overlock seams at the start of sewing in a sleeve closing operation and other similar operations. This feature prevents the thread from unraveling at the start of sewing and then eliminates the need for bartacking. This reduces operating time and cuts down on the production cost.
BT	Backlatcher	Inserts the thread chain into the beginning of the overlock seam in order to prevent the seam from fraying. Eliminates the bartacking operation of the thread chain. This reduces operating time and cuts down on the production cost.
EH	Electronic hemming device	This guide automatically slides as soon as the sensor detects the cross seam section. This feature prevents misalignment due to stitch skipping or plyshifting on the cross seam sections, which tends to

		occur in blindstitch hemming operations. This device
KL	Intermittent drive device	A drive that is used for partly adding fullness or for gathering.