

## Safety stitch machines

### S32 Series

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Max. Speed: 8500 rpm

Stitch length adjustment: Push-button

Diff. feed ratio adjustment: Micro-adjustment

Subclass					
Fabric thickness	Subclasses	Number of needles	Number of threads	Needle space	Seam width
~	S32-420	2	5	3mm	3、4、5、6mm
~	S32-430	2	5	2、3、5mm	3、4、5、6mm
~	S32-542	2	5	2、3、5mm	3、4、5、6mm

## Safety stitch machines

### S Series

#### The superlatively practical 10,000 rpm machine

Packed full of innovative features to make ultra-high speed sewing a reality.

#### Maximum sewing speed is 10,000 rpm

Innovative new mechanism utilized in the needle drive. This new mechanism ensures that no unnecessary stress is applied to the needle drive. The resulting natural, stress-free motion is what makes such ultra-high speeds possible.

#### Lightweight upper looper holder for smooth looper motion

The top of the upper looper holder has been made lighter. The resulting looper motion is smoother so there is no fear of thread breakage and skip stitching.

#### Full internal forced lubrication system

Lubrication is by a fully internal, forced lubrication system. Oil passes through the crankshaft and is fed directly to the inside of the connecting rods, so there is no fear of problem such as seizures occurring during even ultra-high speed operations.

#### Two-way cooling system

The bottom of the oil pan contains a large number of U-shaped channels to increase the length of the cooling path. This improves the rate of which the oil is cooled, so lubrication is made more effective.

#### Oil discharge pump

An oil discharge pump removes excess oil from the area around the needle drive. Enables ultra-high speed operations to be performed free from fears of oil leakage.

## 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.
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.

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