Specifications/

BAS-341K-0AA

	Application
A	Airbag

BAS-342K-0A

	Application
5	Heavy material
A	Airbag

	BAS-341K	BAS-342K
Stitch form	Single needle lock stitch	
Hook	Double-capacity shuttle hook	
Max. sewing speed	2,800sti/min*1	
Max. sewing area (W×D)	250 x 160mm	300 x 200mm
Footprint (W×D)	1,200 x 1,120mm	1,200 x 1,160mm
Feed mechanism	Intermittent feed (pulse motor drive)	
Stitch length	0.05-20.0mm (per 0.05mm)	
Max. number of stitches	100,000 stitches (per program)	
Max. number of programs	999	
Work clamp drive	Pneumatic drive	
Work clamp lift amount	Max. 30mm	
Work clamp	Integrated-type	
Height of stepping presser foot	27mm (highest needle stop position)	
Stepping presser foot stroke	0-10mm (per 0.1mm)	
Thread wiper	Standard equipment	
Thread trimmer	Standard equipment	
Digital tension	Standard equipment	
Material thickness detection function	Standard equipment	
Upper thread tension sensor	Skipped stitches detection,thread breakage detection,thread tension monitoring	
Upper thread slip prevention function	Standard equipment	
Needle bar position monitoring	Standard equipment	
Needle guard monitoring	Standard equipment	
Meeting timing monitoring	Standard equipment	
Needle gap monitoring	Standard equipment	
Oil level monitoring	Standard equipment	
Data storage media	Internal flash memory (data addition is available with external memory)	
Motor	AC servo motor	
Weight	Machine head: Approx. 175kg Control box: Approx. 15kg	
Power	1-phase: 200V-240V 450VA	
Air pressure/Consumption	0.5MPa, 1.8l/min	

*1 At 2,800 sti/min, the pitch should be 3.5 mm or less.

Option/
-For BAS-341K, Work Clamp Assy 250X160<SB6451101>, Feed Plate 250X160<SB6410001>
-For BAS-342K, Work Clamp Assy 300X200<SB5910101>, Feed Plate 300X200<SB6663001>

Peripheral equipment/
-Jig Box Assy<SD0126201>

Brother GT/ISM Support App

GET IT ON Google Play

Download on the App Store

RoHS Compliant **BAS-341K,BAS-342K is compliant with the RoHS Directive(the restriction of the use of certain hazardous substances in electrical and electronic equipment) which came into effect in the EU in July 2006.**

Brother Earth
Working with you for a sustainable future.
www.brotherearth.com

Please read instruction manual before using the machine for safety operation.
-Product specifications are subject to change for improvement without notice.
-Photographs are for illustration purpose. They may not represent actual operating conditions and may display optional parts.

CHINA	**BROTHER MACHINERY SHANGHAI LTD.**	https://www.brother.cn/	+86-21-3135-3355
ASIA	**BROTHER MACHINERY (ASIA) LTD.**	https://www.brother.com.hk/	+852-2777-0010
EUROPE AFRICA, MIDDLE EAST	**BROTHER INTERNATIONALE INDUSTRIEMASCHINEN GmbH**	https://www.brother-ism.com/	+49-2822-6090
AMERICAS	**BROTHER INTERNATIONAL CORPORATION**	https://www.brother-usa.com/	+1-908-704-1700

BROTHER INDUSTRIES, LTD.
1-5, Kitajizoyama, Noda-cho, Kariya-shi, Aichi 448-0803, Japan.
Phone: 81-566-95-0088 Fax: 81-566-25-3721 https://industrialsewingmachine.global.brother/

2025.11 I5112272Z Vol.1

brother
at your side

NEXIO

Direct Drive Programmable Electronic Pattern Sewer with Cylinder Bed

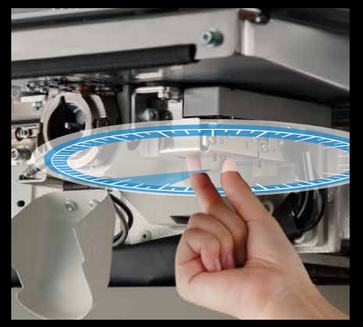
BAS-341K
250mm x 160mm

BAS-342K
300mm x 200mm

***The feed plate set is not included as standard.**

Stable sewing quality, improved anomaly detection function

Minimizing downtime with digital sensing technology
Equipped with adjustment monitoring function to accurately detect sewing defects



DIGIFLEX TUNE

Digitalized analog adjustment to achieve precise adjustments.

Upper thread tension sensor

Skip stitch detection,
thread breakage detection,
thread tension monitoring.

Data Utilization

You can utilize data such as sewing programs, sewing data logs, and sewing defect logs.

DIGIFLEX TUNE

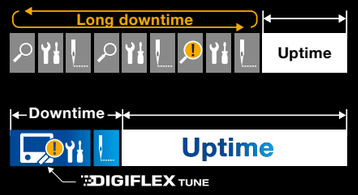
Brother's innovative digital technology enables analog adjustments to be accurate to 0.01 millimeters. Supports stable production by maintaining high production efficiency and quality.

Productivity

Sensing makes it clear how to handle sewing defects, minimizes downtime and increases productivity.

The adjustment time of the sewing machine due to poor sewing is greatly reduced by sensor monitoring technology. Appropriate adjustments depending on the cause of the sewing defect can be made just from checking numerical values on the panel.

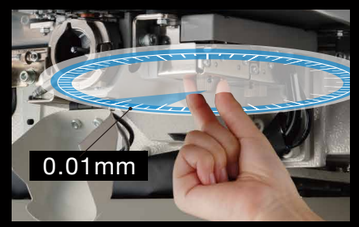
Experienced mechanics



Reproducibility

Adjustments in increments of 0.01 millimeters are possible, eliminating variations in adjustments due to people and environments.

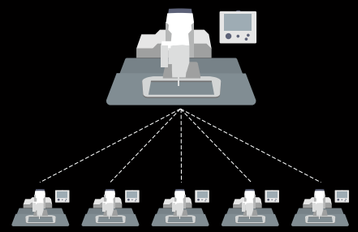
The sewing machine adjustment, which was done visually or manually, will change to adjusting while checking the target value set on the panel and current value.



Expandability

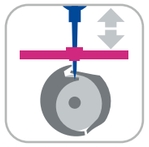
Digitalization makes it possible to make the same adjustments to multiple sewing machines, making it possible to develop globally unified adjustments.

The same adjustment can be achieved simply by matching the set value with another sewing machine.



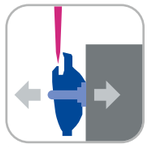
Digitalization of adjustments

The digital adjustment method using sensing makes it easy to adjust the needle bar height position, hook timing, needle guard gap, needle clearance, while checking the numerical values on the panel.


Needle bar height monitoring


Needle guard monitoring


Hook timing monitoring


Needle clearance monitoring

Preventing machine breakdown

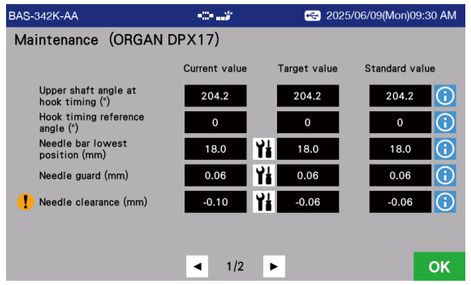
Oil level monitoring

By alerting you when the oil level is low, you can prevent machine damage due to operation without oil.


Oil level monitoring

Smart Machine Management

On the panel, it will display the numerical values for the sewing machine adjustments, including the "standard value," the "target value" that you can set, and the "current value," which shows the status of the machine.

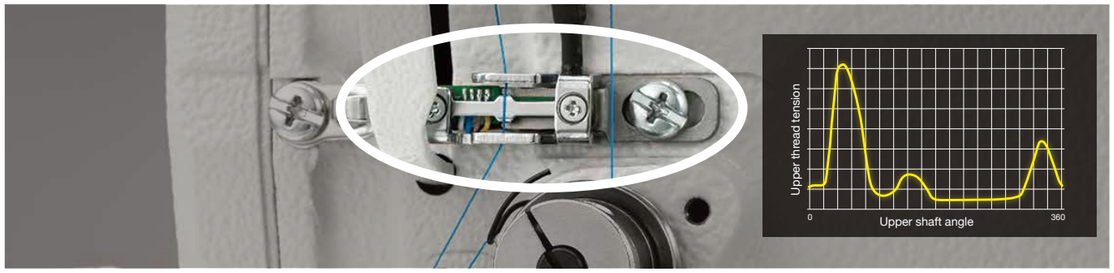


If the current adjustment value of the sewing machine deviates from the target value, a warning will appear so that the desired values can be maintained appropriately.

Upper thread tension monitoring

Skipped stitch detector

By detecting sewing defects by detecting skipped stitch, thread breakage detection, and dynamic upper thread tension monitoring, defective products are prevented from flowing to the downstream process.



Thread tension monitoring

In addition to the conventional skip stitch and thread breakage detection, upper thread tension monitoring function has been added. The threshold based on the standard deviation can be automatically set for each stitch, allowing for easy and highly accurate detection. This technology can now detect sudden tension abnormalities during sewing.

Traditional threshold setting

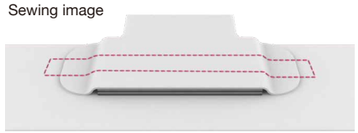
Manual input requires threshold setting if the tension is intentionally changed. Setting the threshold takes a lot of time.

New threshold setting

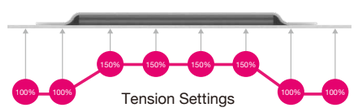
Statistical processing from actual tension data will automatically set thresholds.

Example of sewing tension setting

Sewing image

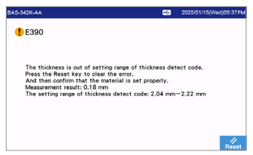


Material Thickness



Fabric thickness detection

By measuring the thickness of the fabric at the beginning of sewing and determining whether it is within the specified value, misplacements are detected before they occur. If it differs from the set value, an error will be displayed on the LCD screen.

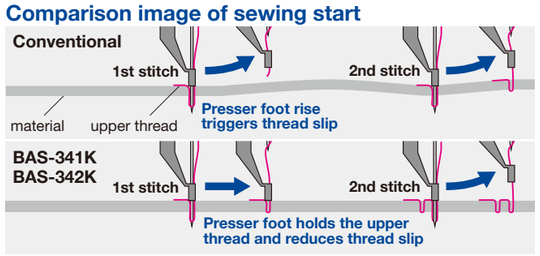


Other features

Prevention of skip stitch and thread slippage at sewing start *Patent applied

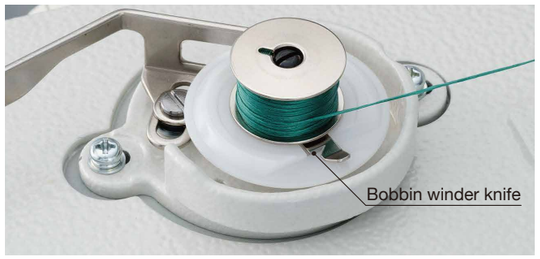
Skip stitch and thread slippage at sewing start can be prevented by holding the upper thread with the intermittent presser foot.

Comparison image of sewing start



Simple bobbin winding mechanism

Simply hook the thread on the bobbin winder knife and the winding preparation is done.

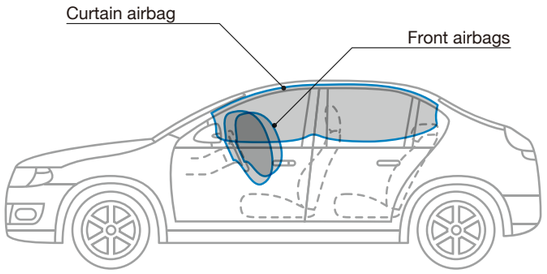


Programming of input /output to external devices

Programming for safety devices and start switch can be easily done from the operation panel.
In addition, installation of terminal blocks for connecting external devices has made wiring work easier.

Airbags

Stable sewing quality is achieved even for small parts such as front airbags and curtain airbag Y-socks and tabs.



Leather products

Beautiful sewing of corners and sewing of hard different materials are also carefully and stable sewing quality is achieved.