

## Specifications/

## KE-430FS II-0



Application	03	05
Medium materials		
Heavy materials		

KE-430FS II	03	05
Application	Medium materials	Heavy materials
Lubrication	Minimum lubrication type 3,200st/min	
Max. sewing speed	3,200st/min	
Sewing area	Max.40×30mm	
Stitch length	0.05~12.7mm	
Feed mechanism	Y-θ intermittent feed mechanism (puls-motor driven mechanism)	
Max. No. of stitches	5,000 stitches/pattern	
Work clamp lifter	Pulse motor drive system	
Work clamp height	Max. 1.7mm	
Rotary hook	Shuttle hook	
Thread wiper	Standard equipment	
Thread trimmer	Standard equipment	
Data storage method	Flash memory (Any sewing pattern can be added using SD card <sup>1</sup> )	
External data storage method	SD card <sup>1</sup>	
No. of cycle programs	30 cycle (50 programs for each cycle)	
No. of stored data	89 sewing patterns are set all ready (Up to 512 patterns can be added. Total number of stitches of stored data which can be added is within 500,000*2)	
Motor	AC servo motor 550W (Direct Drive)	
Weight	Machine head: Approx. 5.7kg, Operation panel: Approx.0.4kg Control box: Approx. 9kg	
Power supply	Single-phase 100V/220V, 3-phase 220V/380V/400V 400VA (For single-phase 100V and 3-phase 380V/400V, the trans box is required)	

\*1. No purchase of option can be given for any needs.

\*2. The number of sewing patterns and the number of stitches that can be recorded will vary depending on the number of stitches in each sewing pattern.



## RoHS Compliant



KE-430FS II is compliant with the EU's RoHS (Restriction of Hazardous Substances) regulations. The use of such hazardous substances in electrical and electronic equipment which came into effect in the EU in July 2006.

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.

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# KE-430FS II

Electronic direct drive lockstitch bar tacker (Short remaining thread spec.)

Stable thread tightening and thread trimmer when sewing from light materials to medium materials and heavy materials. They minimize the disposition of thread ends.

- Reduction of disposition of threads ends (short remaining thread)
- Sew-capability enhancement
- Overwhelmingly superior productivity with the world's top-class cycle time



## Quality & Speed

### 1 Reduction of Disposition of Thread Ends (Short Remaining Thread)

Renewed thread trimmer cuts the thread, realizing short remaining threads. The disposition of thread ends after sewing can be reduced.



conventional



KE-430FS II

### 2 Enhanced Sew-capability for Medium Materials

The brand new thread take-up stroke provides stable thread tightening. So that medium material specification covers heavy material usage.

### 3 High Energy Saving

New Brother-developed motor realizes high energy saving with direct drive system which minimizes loss of power transmission. It exercises strong sewing with less energy.

# Sewing Patterns List

The sewing patterns shown below have been preset into the sewing machine and can be selected according to specifications. (Any sewing pattern is available as long as it is within the work clamp and feed plate in size.) Use the work clamp and feed plate that match the respective sewing pattern selected.

## For medium materials (-03)

No.	Sewing pattern	No. of stitches	Length x Width (mm)	No.	Sewing pattern	No. of stitches	Length x Width (mm)
8		21	7x2	5		29	10x2
88 <sup>s1</sup>		22	7x2	67 <sup>s1</sup>		30	10x2
20		28	7x2	13		35	10x2
71 <sup>s1</sup>		29	7x2	89 <sup>s1</sup>		36	10x2
21		35	7x2	15		42	10x2
72 <sup>s1</sup>		36	7x2	70 <sup>s1</sup>		43	10x2
						90	24x3

## For heavy materials (-05)

No.	Sewing pattern	No. of stitches	Length x Width (mm)	No.	Sewing pattern	No. of stitches	Length x Width (mm)
6		30	16x3	3		35	20x3
80 <sup>s1</sup>		31	16x3	63		35	20x3
14		35	16x3	79 <sup>s1</sup>		36	20x3
81 <sup>s1</sup>		36	16x3	2		42	20x3
18		43	16x3	62		42	20x3
82 <sup>s1</sup>		44	16x3	78 <sup>s1</sup>		43	20x3
						65	24x3

## Crescent bar tacking

No.	Sewing pattern	No. of stitches	Length x Width (mm)	No.	Sewing pattern	No. of stitches	Length x Width (mm)
34		35	12x7	36		57	7x12
35		58	12x7	37		57	7x12
						53	7x10
						53	7x10

## L-pattern tacking

No.	Sewing pattern	No. of stitches	Length x Width (mm)	No.	Sewing pattern	No. of stitches	Length x Width (mm)
52		60	11.3x11.2	54		78	15.3x15.2
53		60	11.3x11.2	55		78	15.3x15.2

## Crossed stitching

No.	Sewing pattern	No. of stitches	Length x Width (mm)	No.	Sewing pattern	No. of stitches	Length x Width (mm)
48		70	10x10	50		84	16x16
49		93	9.6x9.6	51		105	30x26

## Crossed tacking

No.	Sewing pattern	No. of stitches	Length x Width (mm)
50		84	16x16
51		105	30x26

## Vertical bar tacking

No.	Sewing pattern	No. of stitches	Length x Width (mm)	No.	Sewing pattern	No. of stitches	Length x Width (mm)
28		28	3x10	41		36	3x16
27		35	3x10	42		44	3x20
40		32	3x16	43		68	3x24
						21	0.3x10
						28	0.3x20
						46	0.3x25

## Vertical straight bar tacking

No.	Sewing pattern	No. of stitches	Length x Width (mm)	No.	Sewing pattern	No. of stitches	Length x Width (mm)
10		21	10x0.3	44		46	9x15
11		28	10x0.3	45		70	9x25
12		28	20x0.3				
23		35	25x0.3				
24		42	25x0.3				
25		45	25x0.3				

## Straight bar tacking

No.	Sewing pattern	No. of stitches	Length x Width (mm)
10		21	10x0.3
11		28	10x0.3
12		28	20x0.3
23		35	25x0.3
24		42	25x0.3
25		45	25x0.3

## Vertical zigzag stitching

No.	Sewing pattern	No. of stitches	Length x Width (mm)
44		46	9x15
45		70	9x25

## Circular stitching

No.	Sewing pattern	No. of stitches	Length x Width (mm)	No.	Sewing pattern	No. of stitches	Length x Width (mm)
56		106	9x9	58		127	9x9
57		116	9x9	59		104	10x10
						114	10x10
						124	10x10

## For eyelet buttonhole

No.	Sewing pattern	No. of stitches	Length x Width (mm)	No.	Sewing pattern	No. of stitches	Length x Width (mm)
88		21	6x2	87		28	6x2
						88	6x2
						35	6x2

If you want to sew a sewing pattern other than standard sewing patterns, you can create your original pattern using PG-3008. Consult with your local Brother sales office for details.