

Specifications/

KE-430FS II-O



3	Application
5	Medium materials
	Heavy materials

KE-430FS II	03	05
Application	Medium materials	Heavy materials
Lubrication	Minimum lubrication type	
Max. sewing speed	3,200sti/min	
Sewing area	Max.40×30mm	
Stitch length	0.05~12.7mm	
Feed mechanism	Y-θ intermittent feed mechanism (pulse-motor driven mechanism)	
Max. No. of stitches	5,000 stitches/pattern	
Work clamp lifter	Pulse motor drive system	
Work clamp height	Max. 17mm	
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)	
External data storage method	SD card*1	
No. of cycle programs	30 cycle (50 programs for each cycle)	
No. of stored data	89 sewing patterns are set already (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. 57kg, 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 guarantees of operation can be given for any media.

*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 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.



KE-430FS II is certified as an environment-conscious sewing machine according to the "Brother Green Label" standard.



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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.

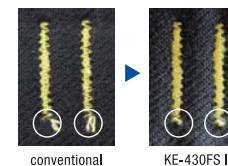
- Reduction of disposition of threads ends (short remaining thread)
- Sew-capability enhancement
- Overwhelmingly superior productivity with the world's top-class cycle time



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.



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)	No.	Sewing pattern	No. of stitches	Length x Width (mm)
8		21	7×2	5		29	10×2	64 ^{#1}		30	16×2
68 ^{#1}		22	7×2	67 ^{#1}		30	10×2	4		31	16×2
20		28	7×2	13		35	10×2	66 ^{#1}		32	16×2
71 ^{#1}		29	7×2	69 ^{#1}		36	10×2	1		42	16×2
21		35	7×2	15		42	10×2	65 ^{#1}		43	16×2
72 ^{#1}		36	7×2	70 ^{#1}		43	10×2	89		90	24×3

For heavy materials (-05)

No.	Sewing pattern	No. of stitches	Length x Width (mm)	No.	Sewing pattern	No. of stitches	Length x Width (mm)	No.	Sewing pattern	No. of stitches	Length x Width (mm)
6		30	16×3	3		35	20×3	17		42	24×3
80 ^{#1}		31	16×3	63		35	20×3	83 ^{#1}		43	24×3
14		35	16×3	79 ^{#1}		36	20×3	18		56	24×3
81 ^{#1}		36	16×3	2		42	20×3	84 ^{#1}		57	24×3
16		43	16×3	62		42	20×3	19		64	24×3
82 ^{#1}		44	16×3	78 ^{#1}		43	20×3	85 ^{#1}		65	24×3

Crescent bar tacking

No.	Sewing pattern	No. of stitches	Length x Width (mm)	No.	Sewing pattern	No. of stitches	Length x Width (mm)	No.	Sewing pattern	No. of stitches	Length x Width (mm)
34		35	12×7	36		57	7×12	38		53	7×10
35		58	12×7	37		57	7×12	39		53	7×10

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	11.3×11.2	54		78	15.3×15.2
53		60	11.3×11.2	55		78	15.3×15.2

Crossed stitching

No.	Sewing pattern	No. of stitches	Length x Width (mm)
48		70	10×10
49		93	9.6×9.6

Crossed tacking

No.	Sewing pattern	No. of stitches	Length x Width (mm)
50		84	16×16
51		105	30×26

Vertical bar tacking

No.	Sewing pattern	No. of stitches	Length x Width (mm)	No.	Sewing pattern	No. of stitches	Length x Width (mm)
26		28	3×10	41		36	3×16
27		35	3×10	42		44	3×20
40		32	3×16	43		68	3×24

Vertical straight bar tacking

No.	Sewing pattern	No. of stitches	Length x Width (mm)	No.	Sewing pattern	No. of stitches	Length x Width (mm)
28		19	0.3×10	46		27	0.3×20
29		21	0.3×10	47		44	0.3×25
30		28	0.3×10				

Straight bar tacking

No.	Sewing pattern	No. of stitches	Length x Width (mm)
10		21	10×0.3
11		28	10×0.3
12		28	20×0.3
23		35	25×0.3
24		42	25×0.3
25		45	25×0.3

Vertical zigzag stitching

No.	Sewing pattern	No. of stitches	Length x Width (mm)
44		46	9×15
45		70	9×25

Circular stitching

No.	Sewing pattern	No. of stitches	Length x Width (mm)	No.	Sewing pattern	No. of stitches	Length x Width (mm)	No.	Sewing pattern	No. of stitches	Length x Width (mm)
56		106	9×9	58		127	9×9	60		114	10×10
57		116	9×9	59		104	10×10	61		124	10×10

For eyelet buttonhole

No.	Sewing pattern	No. of stitches	Length x Width (mm)	No.	Sewing pattern	No. of stitches	Length x Width (mm)	No.	Sewing pattern	No. of stitches	Length x Width (mm)
86		21	6×2	87		28	6×2	88		35	6×2

If you want to sew a sewing pattern other than standard sewing patterns, you can create your original pattern using PS-300B. Consult with your local Brother sales office for details.