

Chapter 3 VARIOUS STITCHES

Stitch Chart

Utility stitches

Applications, stitch lengths and widths and whether the twin needle can be used, are listed for utility stitches in the following table.

Memo

- When any of the following stitches (reverse stitch patterns and reinforcement stitch patterns) are selected, pressing (f) (Reverse stitch button) will sew reverse stitches.

No.	1-01	1-02	1-03	1-04
Stitch				
No.	1-09	1-10	1-11	1-12
Stitch				
No.	1-13	1-14	1-29	1-30
Stitch				
No.	1-31	1-33		
Stitch				

When any other stitch is selected, pressing (f) (Reverse stitch button) will sew reinforcement stitches.

















- The stitch pattern symbols indicate the following.

































- Left needle position
- Middle (center) needle position
- Right needle position
- Reverse stitch pattern
- Reinforcement stitch pattern



















*1 Twin needle can be used by attaching zigzag foot "J".

Stitch (Presser foot)	No.	Stitch name/ Applications	Stitch width (mm (inch))	
			Auto.	Manual
	1-01	Straight stitch (Left) *1 General sewing, gather, pintuck, etc.	0.0 (0) 0.0 - 7.0 (0 - 1/4)	2.5 (3/32) 0.2 - 5.0 (1/64 - 3/16)
	1-02	Straight stitch (Left) *1 General sewing, gather, pintuck, etc.	0.0 (0) 0.0 - 7.0 (0 - 1/4)	2.5 (3/32) 0.2 - 5.0 (1/64 - 3/16)
	1-03	Straight stitch (Middle) *1 General sewing, gather, pintuck, etc.	3.5 (1/8) 0.0 - 7.0 (0 - 1/4)	2.5 (3/32) 0.2 - 5.0 (1/64 - 3/16)
	1-04	Straight stitch (Middle) *1 General sewing, gather, pintuck, etc.	3.5 (1/8) 0.0 - 7.0 (0 - 1/4)	2.5 (3/32) 0.2 - 5.0 (1/64 - 3/16)
	1-05	Triple stretch stitch *1 General sewing for reinforcement and decorative topstitching	0.0 (0) 0.0 - 7.0 (0 - 1/4)	2.5 (3/32) 0.4 - 5.0 (1/64 - 3/16)
	1-06	Stem stitch *1 Reinforced stitching, sewing and decorative applications	1.0 (1/16) 0.0 - 7.0 (0 - 1/4)	2.5 (3/32) 0.4 - 5.0 (1/64 - 3/16)
	1-07	Decorative stitch *1 Decorative stitching, top stitching	0.0 (0) 0.0 - 7.0 (0 - 1/4)	2.5 (3/32) 0.4 - 5.0 (1/64 - 3/16)
	1-08	Basting stitch For basting. If the basting threads fall out of the fabric, pull up the bobbin thread before sewing, and then pull the upper thread and bobbin thread under the presser foot toward the back of the machine (page 29). Hold the upper thread and bobbin thread when beginning to sew, and when finished sewing, cut the threads leaving an excess amount of thread. Finally, hold the upper thread and bobbin thread at the beginning of the stitching while arranging the fabric.	0.0 (0) 0.0 - 7.0 (0 - 1/4)	20 (3/4) 5 - 30 (3/16 - 1-3/16)
	1-09	Zigzag stitch *1 For overcasting, mending.	3.5 (1/8) 0.0 - 7.0 (0 - 1/4)	1.4 (1/16) 0.0 - 5.0 (0 - 3/16)
	1-10	Zigzag stitch *1 For overcasting, mending.	3.5 (1/8) 0.0 - 7.0 (0 - 1/4)	1.4 (1/16) 0.0 - 5.0 (0 - 3/16)

Stitch (Presser foot)	No.	Stitch name/ Applications	Stitch width (mm (inch))	
			Auto. Manual	Auto. Manual
	1-11	Zigzag stitch (Right) *1 Start from right needle position, zigzag sew at left.	3.5 (1/8) 2.5 - 5.0 (3/32 - 3/16)	1.4 (1/16) 0.3 - 5.0 (1/64 - 3/16)
	1-12	Zigzag stitch (Left) *1 Start from left needle position, zigzag sew at right.	3.5 (1/8) 2.5 - 5.0 (3/32 - 3/16)	1.4 (1/16) 0.3 - 5.0 (1/64 - 3/16)
	1-13	2 steps elastic zigzag stitch *1 Overcasting (medium weight and stretch fabrics), tape and elastic	5.0 (3/16) 0.0 - 7.0 (0 - 1/4)	1.0 (1/16) 0.2 - 5.0 (1/64 - 3/16)
	1-14	3 steps elastic zigzag stitch *1 Overcasting (medium, heavyweight and stretch fabrics), tape and elastic	5.0 (3/16) 0.0 - 7.0 (0 - 1/4)	1.0 (1/16) 0.2 - 5.0 (1/64 - 3/16)
	1-15	Overcasting stitch Reinforcing of light and medium weight fabrics	3.5 (1/8) 2.5 - 5.0 (3/32 - 3/16)	2.0 (1/16) 0.4 - 5.0 (1/64 - 3/16)
	1-16	Overcasting stitch Reinforcing of heavyweight fabric	5.0 (3/16) 2.5 - 5.0 (3/32 - 3/16)	2.5 (3/32) 0.4 - 5.0 (1/64 - 3/16)
	1-17	Overcasting stitch Reinforcing of medium, heavyweight and easily friable fabrics or decorative stitching.	5.0 (3/16) 3.5 - 5.0 (1/8 - 3/16)	2.5 (3/32) 0.4 - 5.0 (1/64 - 3/16)
	1-18	Overcasting stitch *1 Reinforced seaming of stretch fabric	5.0 (3/16) 0.0 - 7.0 (0 - 1/4)	2.5 (3/32) 0.4 - 5.0 (1/64 - 3/16)
	1-19	Overcasting stitch *1 Reinforcing of medium stretch fabric and heavyweight fabric, decorative stitching	5.0 (3/16) 0.0 - 7.0 (0 - 1/4)	2.5 (3/32) 0.4 - 5.0 (1/64 - 3/16)
	1-20	Overcasting stitch *1 Reinforcement of stretch fabric or decorative stitching	4.0 (3/16) 0.0 - 7.0 (0 - 1/4)	4.0 (3/16) 0.4 - 5.0 (1/64 - 3/16)
	1-21	Overcasting stitch Stretch knit seam	5.0 (3/16) 0.0 - 7.0 (0 - 1/4)	4.0 (3/16) 0.4 - 5.0 (1/64 - 3/16)
	1-22	Single diamond overcast stitch *1 Reinforcement and seaming stretch fabric	6.0 (15/64) 0.0 - 7.0 (0 - 1/4)	3.0 (1/8) 0.4 - 5.0 (1/64 - 3/16)
	1-23	Single diamond overcast stitch *1 Reinforcement of stretch fabric	6.0 (15/64) 0.0 - 7.0 (0 - 1/4)	1.8 (1/16) 0.4 - 5.0 (1/64 - 3/16)
	1-24	With side cutter Straight stitch while cutting fabrics	0.0 (0) 0.0 - 2.5 (0 - 3/32)	2.5 (3/32) 0.2 - 5.0 (1/64 - 3/16)
	1-25	With side cutter Zigzag stitch while cutting fabrics	3.5 (1/8) 3.5 - 5.0 (1/8 - 3/16)	1.4 (1/16) 0.0 - 5.0 (0 - 3/16)
	1-26	With side cutter Overcasting stitch while cutting fabrics	3.5 (1/8) 3.5 - 5.0 (1/8 - 3/16)	2.0 (1/16) 0.4 - 5.0 (1/64 - 3/16)
















Stitch (Presser foot)	No.	Stitch name/ Applications	Stitch width (mm (inch))	
			Auto. Manual	Auto. Manual
	1-27	With side cutter Overcasting stitch while cutting fabrics	5.0 (3/16) 3.5 - 5.0 (1/8 - 3/16)	2.5 (3/32) 0.4 - 5.0 (1/64 - 3/16)
	1-28	With side cutter Overcasting stitch while cutting fabrics	5.0 (3/16) 3.5 - 5.0 (1/8 - 3/16)	2.5 (3/32) 0.4 - 5.0 (1/64 - 3/16)
	1-29	Piecing stitch (Right) Piecework/patchwork 6.5 mm (approx. 1/4 inch) right seam allowance	5.5 (7/32) 0.0 - 7.0 (0 - 1/4)	2.0 (1/16) 0.2 - 5.0 (1/64 - 3/16)
	1-30	Piecing stitch (Middle) Piecework/patchwork	—	2.0 (1/16) 0.2 - 5.0 (1/64 - 3/16)
	1-31	Piecing stitch (Left) Piecework/patchwork 6.5 mm (approx. 1/4 inch) left seam allowance	1.5 (1/16) 0.0 - 7.0 (0 - 1/4)	2.0 (1/16) 0.2 - 5.0 (1/64 - 3/16)
	1-32	Hand-look quilting stitch Quilting stitch made to look like hand quilting when using transparent nylon thread for the upper thread and a thread color matching the quilt for the bobbin thread. Sew with a tight thread tension so that the bobbin thread is visible from the right side of the fabric. Use a needle between 90/14 and 100/16.	0.0 (0) 0.0 - 7.0 (0 - 1/4)	2.5 (3/32) 0.4 - 5.0 (1/64 - 3/16)
	1-33	Quilting appliqué zigzag stitch Zigzag stitch for quilting and sewing on appliqué quilt pieces	3.5 (1/8) 0.0 - 7.0 (0 - 1/4)	1.4 (1/16) 0.0 - 5.0 (0 - 3/16)
	1-34	Quilting appliqué stitch Quilting stitch for invisible appliqué or attaching binding	1.5 (1/16) 0.0 - 3.5 (0 - 1/8)	1.8 (1/16) 0.4 - 5.0 (1/64 - 3/16)
	1-35	Quilting stippling stitch Background quilting	7.0 (1/4) 0.0 - 7.0 (0 - 1/4)	1.6 (1/16) 0.4 - 5.0 (1/64 - 3/16)
	2-01	Blind hem stitch * The stitch width setting is in neither millimeters nor inches.	00 3← - →3	2.0 (1/16) 0.4 - 5.0 (1/64 - 3/16)
	2-02	Blind hem stretch stitch * The stitch width setting is in neither millimeters nor inches.	00 3← - →3	2.0 (1/16) 0.4 - 5.0 (1/64 - 3/16)
	2-03	Blanket stitch *1 Appliqués, decorative blanket stitch	3.5 (1/8) 0.0 - 7.0 (0 - 1/4)	2.5 (3/32) 0.4 - 5.0 (1/64 - 3/16)












Stitch (Presser foot)	No.	Stitch name/ Applications	Stitch	
			width (mm (inch)) Auto. Manual	length (mm (inch)) Auto. Manual
	2-04	Blanket stitch ^{*1} Appliqués, decorative blanket stitch	2.5 (3/32) 0.0 - 7.0 (0 - 1/4)	2.5 (3/32) 0.4 - 5.0 (1/64 - 3/16)
	2-05	Shell tuck edge stitch ^{*1} Shell tuck edge finish on fabrics	4.0 (3/16) 0.0 - 7.0 (0 - 1/4)	2.5 (3/32) 0.2 - 5.0 (1/64 - 3/16)
	2-06	Satin scallop stitch ^{*1} Decorating collar of blouse, edge of handkerchief	5.0 (3/16) 0.0 - 7.0 (0 - 1/4)	0.5 (1/32) 0.1 - 5.0 (1/64 - 3/16)
	2-07	Scallop stitch Decorating collar of blouse, edge of handkerchief	7.0 (1/4) 0.0 - 7.0 (0 - 1/4)	1.4 (1/16) 0.4 - 5.0 (1/64 - 3/16)
	2-08	Patchwork join stitch ^{*1} Patchwork stitches, decorative stitching	4.0 (3/16) 0.0 - 7.0 (0 - 1/4)	1.2 (1/16) 0.2 - 5.0 (1/64 - 3/16)
	2-09	Patchwork double overlock stitch ^{*1} Patchwork stitches, decorative stitching	5.0 (3/16) 0.0 - 7.0 (0 - 1/4)	2.5 (3/32) 0.4 - 5.0 (1/64 - 3/16)
	2-10	Couching stitch ^{*1} Decorative stitching, attaching cord and couching	5.0 (3/16) 0.0 - 7.0 (0 - 1/4)	1.2 (1/16) 0.2 - 5.0 (1/64 - 3/16)
	2-11	Smocking stitch ^{*1} Smocking, decorative stitching	5.0 (3/16) 0.0 - 7.0 (0 - 1/4)	1.6 (1/16) 0.4 - 5.0 (1/64 - 3/16)
	2-12	Feather stitch ^{*1} Fagoting, decorative stitching	5.0 (3/16) 0.0 - 7.0 (0 - 1/4)	2.5 (3/32) 0.4 - 5.0 (1/64 - 3/16)
	2-13	Fagoting cross stitch ^{*1} Fagoting, bridging and decorative stitching	5.0 (3/16) 0.0 - 7.0 (0 - 1/4)	2.5 (3/32) 0.4 - 5.0 (1/64 - 3/16)
	2-14	Tape attaching stitch ^{*1} Attaching tape to seam in stretch fabric	4.0 (3/16) 0.0 - 7.0 (0 - 1/4)	1.0 (1/16) 0.2 - 5.0 (1/64 - 3/16)
	2-15	Ladder stitch Decorative stitching	4.0 (3/16) 0.0 - 7.0 (0 - 1/4)	3.0 (1/8) 0.4 - 5.0 (1/64 - 3/16)
	2-16	Rick-rack stitch ^{*1} Decorative top stitching	4.0 (3/16) 0.0 - 7.0 (0 - 1/4)	2.5 (3/32) 0.4 - 5.0 (1/64 - 3/16)
	2-17	Decorative stitch ^{*1} Decorative stitching	5.5 (7/32) 0.0 - 7.0 (0 - 1/4)	1.6 (1/16) 0.4 - 5.0 (1/64 - 3/16)
	2-18	Serpentine stitch ^{*1} Decorative stitching and attaching elastic	5.0 (3/16) 0.0 - 7.0 (0 - 1/4)	1.0 (1/16) 0.2 - 5.0 (1/64 - 3/16)
	2-19	Decorative stitch ^{*1} Decorative stitching and appliqué	6.0 (15/64) 0.0 - 7.0 (0 - 1/4)	1.0 (1/16) 0.2 - 5.0 (1/64 - 3/16)
	2-20	Decorative stippling stitch Decorative stitching	7.0 (1/4) 0.0 - 7.0 (0 - 1/4)	1.6 (1/16) 0.4 - 5.0 (1/64 - 3/16)
	3-01	Hemstitching ^{*1} Decorative hems, triple straight at left	1.0 (1/16) 0.0 - 7.0 (0 - 1/4)	2.5 (3/32) 0.4 - 5.0 (1/64 - 3/16)

Stitch (Presser foot)	No.	Stitch name/ Applications	Stitch	
			width (mm (inch)) Auto. Manual	length (mm (inch)) Auto. Manual
	3-02	Hemstitching ^{*1} Decorative hems, triple straight at center	3.5 (1/8) 0.0 - 7.0 (0 - 1/4)	2.5 (3/32) 0.4 - 5.0 (1/64 - 3/16)
	3-03	Hemstitching zigzag ^{*1} Decorative hems, top stitching	6.0 (15/64) 0.0 - 7.0 (0 - 1/4)	3.0 (1/8) 0.4 - 5.0 (1/64 - 3/16)
	3-04	Hemstitching Decorative hems, lace attaching pin stitch	3.5 (1/8) 0.0 - 7.0 (0 - 1/4)	2.5 (3/32) 0.4 - 5.0 (1/64 - 3/16)
	3-05	Hemstitching Decorative hems	3.0 (1/8) 0.0 - 7.0 (0 - 1/4)	3.5 (1/8) 0.4 - 5.0 (1/64 - 3/16)
	3-06	Hemstitching Decorative hems, daisy stitch	6.0 (15/64) 0.0 - 7.0 (0 - 1/4)	3.0 (1/8) 0.4 - 5.0 (1/64 - 3/16)
	3-07	Hemstitching Heirloom, decorative hems	5.0 (3/16) 0.0 - 7.0 (0 - 1/4)	3.5 (1/8) 0.4 - 5.0 (1/64 - 3/16)
	3-08	Hemstitching Heirloom, decorative hems	5.0 (3/16) 0.0 - 7.0 (0 - 1/4)	3.5 (1/8) 0.4 - 5.0 (1/64 - 3/16)
	3-09	Hemstitching ^{*1} Heirloom, decorative hems	5.0 (3/16) 0.0 - 7.0 (0 - 1/4)	3.5 (1/8) 0.4 - 5.0 (1/64 - 3/16)
	3-10	Hemstitching ^{*1} Heirloom, decorative hems	5.0 (3/16) 0.0 - 7.0 (0 - 1/4)	4.0 (3/16) 0.4 - 5.0 (1/64 - 3/16)
	3-11	Hemstitching ^{*1} Heirloom, decorative hems	4.0 (3/16) 0.0 - 7.0 (0 - 1/4)	2.5 (3/32) 0.4 - 5.0 (1/64 - 3/16)
	3-12	Honeycomb stitch ^{*1} Heirloom, decorative hems	5.0 (3/16) 0.0 - 7.0 (0 - 1/4)	2.5 (3/32) 0.4 - 5.0 (1/64 - 3/16)
	3-13	Honeycomb stitch ^{*1} Heirloom, decorative hems	6.0 (15/64) 0.0 - 7.0 (0 - 1/4)	3.5 (1/8) 0.4 - 5.0 (1/64 - 3/16)
	3-14	Hemstitching ^{*1} Heirloom, decorative hems	6.0 (15/64) 0.0 - 7.0 (0 - 1/4)	1.6 (1/16) 0.4 - 5.0 (1/64 - 3/16)
	3-15	Hemstitching Heirloom, decorative hems	6.0 (15/64) 0.0 - 7.0 (0 - 1/4)	3.0 (1/8) 0.4 - 5.0 (1/64 - 3/16)
	3-16	Hemstitching ^{*1} Heirloom, decorative hems	6.0 (15/64) 0.0 - 7.0 (0 - 1/4)	4.0 (3/16) 0.4 - 5.0 (1/64 - 3/16)
	3-17	Hemstitching Heirloom, decorative hems	4.0 (3/16) 0.0 - 7.0 (0 - 1/4)	2.5 (3/32) 0.4 - 5.0 (1/64 - 3/16)
	3-18	Hemstitching ^{*1} Heirloom, decorative hems	5.0 (3/16) 0.0 - 7.0 (0 - 1/4)	2.0 (1/16) 0.4 - 5.0 (1/64 - 3/16)
	3-19	Hemstitching ^{*1} Decorative hems and bridging stitch	6.0 (15/64) 0.0 - 7.0 (0 - 1/4)	2.0 (1/16) 0.4 - 5.0 (1/64 - 3/16)

3


VARIOUS STITCHES

Stitch (Presser foot)	No.	Stitch name/ Applications	Stitch width (mm (inch))	
			Auto. Manual	Auto. Manual
 (N)	3-20	Hemstitching *1 Decorative hems. Fagoting, attaching ribbon	5.0 (3/16) 0.0 - 7.0 (0 - 1/4)	3.0 (1/8) 0.4 - 5.0 (1/64 - 3/16)
 (N)	3-21	Hemstitching Decorative hems, smocking	6.0 (15/64) 0.0 - 7.0 (0 - 1/4)	1.6 (1/16) 0.4 - 5.0 (1/64 - 3/16)
 (N)	3-22	Hemstitching Decorative hems, smocking	5.0 (3/16) 0.0 - 7.0 (0 - 1/4)	1.6 (1/16) 0.4 - 5.0 (1/64 - 3/16)
 (A)	4-01	Narrow rounded buttonhole stitch Buttonhole on light to medium weight fabrics	5.0 (3/16) 3.0 - 6.0 (1/8 - 15/64)	0.4 (1/64) 0.2 - 1.0 (1/64 - 1/16)
 (A)	4-02	Tapered round ended buttonhole stitch Reinforced waist tapered buttonholes	5.0 (3/16) 3.0 - 6.0 (1/8 - 15/64)	0.4 (1/64) 0.2 - 1.0 (1/64 - 1/16)
 (A)	4-03	Round ended buttonhole stitch Buttonholes with vertical bar tack in heavyweight fabrics	5.0 (3/16) 3.0 - 6.0 (1/8 - 15/64)	0.4 (1/64) 0.2 - 1.0 (1/64 - 1/16)
 (A)	4-04	Narrow squared buttonhole stitch Buttonholes for light to medium weight fabrics	5.0 (3/16) 3.0 - 6.0 (1/8 - 15/64)	0.4 (1/64) 0.2 - 1.0 (1/64 - 1/16)
 (A)	4-05	Stretch buttonhole stitch Buttonholes for stretch or woven fabrics	6.0 (15/64) 3.0 - 6.0 (1/8 - 15/64)	1.0 (1/16) 0.5 - 2.0 (1/32 - 1/16)
 (A)	4-06	Heirloom buttonhole stitch Buttonholes for heirloom and stretch fabrics	6.0 (15/64) 3.0 - 6.0 (1/8 - 15/64)	1.5 (1/16) 1.0 - 3.0 (1/16 - 1/8)
 (A)	4-07	Bound buttonhole stitch The first step in making bound buttonholes	5.0 (3/16) 0.0 - 6.0 (0 - 15/64)	2.0 (1/16) 0.2 - 4.0 (1/64 - 3/16)
 (A)	4-08	Keyhole buttonhole stitch Buttonholes in heavyweight or thick fabrics for larger flat buttons	7.0 (1/4) 3.0 - 7.0 (1/8 - 1/4)	0.5 (1/32) 0.3 - 1.0 (1/64 - 1/16)
 (A)	4-09	Tapered keyhole buttonhole stitch Buttonholes in medium to heavy weight fabrics for larger flat buttons	7.0 (1/4) 3.0 - 7.0 (1/8 - 1/4)	0.5 (1/32) 0.3 - 1.0 (1/64 - 1/16)
 (A)	4-10	Keyhole buttonhole stitch Buttonholes with vertical bar tack for reinforcement in heavyweight or thick fabrics	7.0 (1/4) 3.0 - 7.0 (1/8 - 1/4)	0.5 (1/32) 0.3 - 1.0 (1/64 - 1/16)
 (A)	4-11	Darning stitch Darning of medium weight fabric	7.0 (1/4) 2.5 - 7.0 (3/32 - 1/4)	2.0 (1/16) 0.4 - 2.5 (1/64 - 3/32)
 (A)	4-12	Darning stitch Darning of heavyweight fabric	7.0 (1/4) 2.5 - 7.0 (3/32 - 1/4)	2.0 (1/16) 0.4 - 2.5 (1/64 - 3/32)






























































































Stitch (Presser foot)	No.	Stitch name/ Applications	Stitch width (mm (inch))	
			Auto. Manual	Auto. Manual
 (A)	4-13	Bar tack stitch Reinforcement at opening of pocket, etc.	2.0 (1/16) 1.0 - 3.0 (1/16 - 1/8)	0.4 (1/64) 0.3 - 1.0 (1/64 - 1/16)
 (M)	4-14	Button sewing stitch Attaching buttons	3.5 (1/8) 2.5 - 4.5 (3/32 - 3/16)	—
 (N)	4-15	Eyelet stitch For making eyelets, holes on belts, etc.	7.0 (1/4) 7.0 6.0 5.0 (1/4 15/64 3/16)	7.0 (1/4) 7.0 6.0 5.0 (1/4 15/64 3/16)
 (N)	5-01	Reverse (Straight stitch) For attaching appliqué on tubular pieces of fabric and mitering corners	—	—
 (N)	5-02	Sideways to left (Straight stitch) For attaching appliqué on tubular pieces of fabric	—	—
 (N)	5-03	Sideways to right (Straight stitch) For attaching appliqué on tubular pieces of fabric	—	—
 (N)	5-04	Forward (Straight stitch) For attaching appliqué on tubular pieces of fabric and mitering corners	—	—
 (N)	5-05	Sideways to left (Zigzag stitch) For attaching appliqué on tubular pieces of fabric	—	—
 (N)	5-06	Sideways to right (Zigzag stitch) For attaching appliqué on tubular pieces of fabric	—	—
 (N)	5-07	Forward (Zigzag stitch) For attaching appliqué on tubular pieces of fabric and mitering corners	—	—
 (N)	5-08	Reverse (Zigzag stitch) For attaching appliqué on tubular pieces of fabric and mitering corners	—	—



























































Decorative stitches

Use monogramming foot "N".

The twin needle can only be used with satin stitch  .

Be sure to attach zigzag foot "J" when using the twin needle.

Decorative stitches						
6-01	6-02	6-03	6-04	6-05	6-06	6-07
						
6-08	6-09	6-10	6-11	6-12	6-13	6-14
						
6-15	6-16	6-17	6-18	6-19	6-20	6-21
						
6-22	6-23	6-24	6-25	6-26	6-27	6-28
						
6-29	6-30	6-31	6-32	6-33	6-34	6-35
						
6-36	6-37	6-38	6-39	6-40	6-41	6-42
						
6-43	6-44	6-45	6-46	6-47	6-48	6-49
						
6-50						
						
Satin stitches						
7-01	7-02	7-03	7-04	7-05	7-06	7-07
						
7-08	7-09	7-10	7-11	7-12		
						
7 mm satin stitches						
8-01	8-02	8-03	8-04	8-05	8-06	8-07
						
8-08	8-09	8-10	8-11	8-12	8-13	8-14
						
8-15	8-16	8-17				
						
Cross stitch stitches						
9-01	9-02	9-03	9-04	9-05	9-06	9-07
						
9-08	9-09	9-10	9-11	9-12	9-13	9-14
						

Utility decorative stitches						
10-01	10-02	10-03	10-04	10-05	10-06	10-07
						
10-08	10-09	10-10	10-11	10-12	10-13	10-14
						
10-15	10-16	10-17	10-18	10-19	10-20	10-21
						
10-22	10-23	10-24	10-25	10-26	10-27	10-28
						
10-29	10-30	10-31	10-32	10-33	10-34	10-35
						
10-36	10-37	10-38	10-39	10-40	10-41	10-42
						
10-43	10-44	10-45	10-46	10-47	10-48	10-49
						
10-50	10-51	10-52	10-53	10-54	10-55	10-56
						
10-57	10-58					
						

■ Character stitches

Use monogramming foot "N".
The twin needle cannot be used.

Character stitches (Gothic font)

A B C D E F G H I J K L
M N O P Q R S T U V W X
Y Z a b c d e f g h i j
k l m n o p q r s t u v
w x y z _
0 1 2 3 4 5 6 7 8 9 # %
\$ £ € ¥ - + × ÷ = * . ,
& ? ! @ < > () [] / \
~ : ; © ® ™ “ ” ” ‘ ’ ,
_
Â Ä Å Æ à á â ã ä å æ Ç
ç Ð È É Ê Ë Ì Í Î Ï
Ĳ Ĵ Ķ Ĳ Ĳ Ĳ Ĳ Ĳ Ĳ Ĳ Ĳ
Œ ò ó ô ö ø õ æ ř ť Ů ů
ù ú û ü ž þ ß _

Character stitches (Handwriting font)

A B C D E F G H I J K L
M N O P Q R S T U V W X
Y Z a b c d e f g h i j
k l m n o p q r s t u v
w x y z _
0 1 2 3 4 5 6 7 8 9 # %
\$ £ € ¥ - + × ÷ = * . ,
& ? ! @ < > () [] / \
~ : ; © ® ™ “ ” ” ‘ ’ ,
_
Â Ä Å Æ à á â ã ä å æ Ç
ç Ð È É Ê Ë Ì Í Î Ï
Ĳ Ĵ Ķ Ĳ Ĳ Ĳ Ĳ Ĳ Ĳ Ĳ Ĳ
Œ ò ó ô ö ø õ æ ř ť Ů ů
ù ú û ü ž þ ß _

Character stitches (Outline)

A B C D E F G H I J K L
M N O P Q R S T U V W X
Y Z a b c d e f g h i j
k l m n o p q r s t u v
w x y z _
0 1 2 3 4 5 6 7 8 9 # %
\$ £ € ¥ - + × ÷ = * . ,
& ? ! @ < > () [] / \
~ : ; © ® ™ “ ” ” ‘ ’ ,
_
Â Ä Å Æ à á â ã ä å æ Ç
ç Ð È É Ê Ë Ì Í Î Ï
Ĳ Ĵ Ķ Ĳ Ĳ Ĳ Ĳ Ĳ Ĳ Ĳ Ĳ
Œ ò ó ô ö ø õ æ ř ť Ů ů
ù ú û ü ž þ ß _

Character stitches (Cyrillic font)

A B B Г Д Е Ё Ж З И Й К
Л М Н О П Р С Т У Ф Х Ц
Ч Ш Щ Ъ Ы Ь Э Ю Я Г Е І
Ї Ў Һ Һ Ј Љ Њ Ц Ѓ С К _
а б в г д е ё ж з и й к
л м н о п р с т у ф х ц
ч ш щ ъ ы ь э ю я г е і
ї ў һ һ ј љ њ ц ѓ с к _
0 1 2 3 4 5 6 7 8 9 - .
, & ? ! () / ' _

Character stitches (Japanese font)

あいうえおあいうえお
 かきくけこがぎぐげご
 さしすせそざじずぜぞ
 たちつてとだぢづでどっ
 なにぬねのはひふへほ
 ばびぶべぼぱぴぷぺぽ
 まみむめもやゆよゃゅょ
 らりるれろわをんー
 アイウエオァィゥェォヴ
 カキクケコガギグゲゴ
 サシスセソザジズゼゾ
 タチツテトダヂヅデドッ
 ナニヌネノハヒフヘホ
 バビブベボパピプペポ
 マミムメモヤユヨャユョ
 ラリルレロワヲンー
 0 1 2 3 4 5 6 7 8 9
 ○ ー 二 三 四 五 六 七 八 九 十
 & ? ! () - _
 生年月日才保育幼稚園小中
 学校組部火水木金土ー