



CROCHET PATTERN

Wedding

Photo Props

Design: Elisa's Crochet | Hobbii Design

MATERIALS

Friends Cotton 8/6

2 skeins of color 01
2 skeins of color 54
1 skein of color 21
1 skein of color 51
1 skein of color 76
1 skein of color 123

Soft Lash

1 skein of color 07
1 skein of color 09

Crochet hook 3.5 mm / US D
4 safety eyes, 7 mm
Stuffing
Aluminium Wires
Wooden Sticks

YARN QUALITY

 **Friends Cotton 8/6**, Hobbii

100% Cotton
50 g / 1.75 oz = 105 m / 115 yds

 **Soft Lash**, Hobbii

100% Polyamide
50 g / 1.75 oz = 210 m / 229 yds

SIZE

One size

MEASUREMENTS

Birds – 14 x 13 cm (5.5 x 5")
Champagne Glass – 18 x 6.5 cm (7 x 2.5")
Diamond Ring – 13 x 10 cm (5 x 4")
Wedding Cake – 9 x 9 cm (3.5 x 3.5")
Love Sign – 18 x 10 cm (7 x 4")
Glasses – 19 x 7.5 cm (7.5 x 3")

PATTERN INFORMATION

- Birds, Wedding Cake, Diamond Ring, Love Sign, Champagne Glass patterns are suitable for beginner crocheters.
- Glasses pattern is suitable for intermediate crocheters.
- Birds, Wedding Cake, Diamond Ring, Champagne are worked in joined rounds.
- Birds are worked with two threads at the same time.
- Love Sign pattern is worked in both back-and-forth rows and joined rounds.

HASHTAGS FOR SOCIAL MEDIA

#ElisasCrochetxHobbii #HobbiiPhotoProps
#hobbiidesign #hobbiiwedding

BUY THE YARN HERE

<https://shop.hobbii.com/wedding-photo-props>

QUESTIONS

If you have any questions regarding this pattern, please feel free to email us at support@hobbii.com

Please make sure to include the pattern's name and number.

Happy Crafting!

Patterns



INFO AND TIPS

Joined Rounds: Close each round with a slip stitch into the 1st st. Chain 1 and work in the same stitch.

Seamless color change

Work in the color A until two loops of the last stitch remain on the hook.
Use the color B to complete the stitch.

Tapestry Crochet

A color-changing technique that allows you to work a single row of stitches in more than one color; it is worked very tightly with the non-working color carried inside the stitch.

When using one color more than once in the same row, crochet over the unused color parallel to the foundation row, inserting your hook through both loops of your stitch and underneath the unused color and working your stitch as normal.

ABBREVIATIONS

mr = magic ring
ch = chain
st = stitch
sc = single crochet
sl st = slip stitch
hdc = half double crochet
dc = double crochet
rnd(s) = round(s)
inc = increase, 2 sts in same st
dec = decrease, 2 sts together
rep = repeat

BIRDS COUPLE

BODY

Work one Bird with Friends Cotton 8/6 color 54 and Soft Lash color 07 held together, and one Bird with Friends Cotton 8/6 color 76 and Soft Lash color 09 held together. [\(Pic. 1\)](#)

Rnd 1: 6 sc in mr (6)

Rnd 2: 2 sc in each st around (12)

Rnd 3: (1 sc, 1 sc inc) rep around (18) [\(Pic. 2\)](#)

Rnd 4: (2 sc, 1 sc inc) rep around (24)

Rnd 5: (3 sc, 1 sc inc) rep around (30)

Rnd 6: (4 sc, 1 sc inc) rep around (36)

Rnds 7 - 11: 1 sc in each st around (36) [\(Pic. 3\)](#)

Rnd 12: (1 sc, 1 sc inc) three times, (5 sc, 1 sc inc) four times, (1 sc, 1 sc inc) three times (46)

Rnds 13 - 14: 1 sc in each st around (46)

Rnd 15: (2 sc, 1 sc inc) three times, 28 sc, (2 sc, 1 sc inc) three times (52)

Rnd 16: 1 sc in each st around (52)

Work 7 chains. [\(Pic. 4\)](#) From now on, this will be the starting point for the next rounds.

Rnd 17: 1 sc inc in 2nd ch from the hook, 1 sc inc in next ch, 1 sc in next 4 chs; keep working on Rnd 16, 1 sc dec [\(Pic. 5\)](#), 1 sc in next 48 sts, 1 sc dec [\(Pic. 6\)](#); keep working on the chains, 1 sc in next 4 chs, 1 sc inc in next 2 chs (66) [\(Pic. 7\)](#)

Rnds 18 - 19: 1 sc in each st around (66)

Rnd 20: 4 sc dec, 1 sc in next 20 sts, 1 sc dec, 1 sc in next 6 sts, 1 sc dec, 1 sc in next 20 sts, 4 sc dec (56)

Insert plastic safety eyes between Rnds 7 and 8, approximately 13 sts apart. [\(Pic. 8\)](#)

Begin stuffing and continue until piece is complete.

Rnd 21: (5 sc, 1 sc dec) rep around (48)

Rnd 22: (4 sc, 1 sc dec) rep around (40)

Rnd 23: (3 sc, 1 sc dec) rep around (32)

Rnd 24: (2 sc, 1 sc dec) rep around (24)

Rnd 25: (1 sc, 1 sc dec) rep around (16)

Rnd 26: sc dec around (8)

Fasten off, leaving a long tail. Thread tail through top of sts of last rnd. Pull tail to close opening and knot securely. (Pic. 9)

WINGS

Work two Wings with Friends Cotton 8/6 color 54 and Soft Lash color 07 held together and two Wings with Friends Cotton 8/6 color 76 and Soft Lash color held 09 together.

Rnd 1: Work 9 chs, 1 sc in the 2nd ch from the hook, 1 sc in next 2 chs, 1 hdc in next 3 chs, (1 hdc, 1 dc) in next ch, 7 dc in last ch; keep working on the other side of the foundation chain, (1 dc, 1 hdc) in the next ch, 1 hdc in next 3 chs, 1 sc in next 3 chs (24)

Rnd 2: 1 sc in next 3 sts, 1 hdc in next 3 sts, 1 dc in next 2 sts, dc inc in next 7 sts, 1 dc in next 2 sts, 1 hdc in next 3 sts, 1 sc in next 3 sts (30) (Pic. 10)

Fasten off, leaving a long tail to sew the Wing to the Body, below Rnd 12. Position the rounded side toward the front and the pointy one towards the back of the bird. Only attach the rounded side to the Body, leaving the other one free. (Pic. 11)

BEAK (make two)

Work with Friends Cotton 8/6 color 21

Rnd 1: 5 sc in mr (5)

Rnd 2: 1 sc in next 4 sts, 1 sc inc (6)

Rnd 3: (2 sc, 1 sc inc) twice (8)

Rnd 4: 1 sc in each st around (8) (Pic. 12)

Fasten off, leaving a long tail to sew the Beak to the Body between Rnds 7 and 10. Add some stuffing before sewing it close. (Pic. 13)

FLOWER

Work with Friends Cotton 8/6 color 51

Rnd 1: Work 28 chs, [(1 sc, 1 hdc, 1 dc) in the next st, (1 dc, 1 hdc, 1 sc) in the next st, 1 sl st in the next st] 9 times (56) (Pic. 14)

Fasten off, leaving a long tail. Thread up your yarn and sew along the foundation chain to secure the spiral that you have created. Use the extra tail of yarn to sew the flower on top of the pink bird. (Pics. 15 - 16)

HAT

Work with Friends Cotton 8/6 color 123

Rnd 1: 8 sc in mr (8)

Rnd 2: 2 sc in each st around (16)

Rnd 3: (3 sc, 1 sc inc) rep around (20)

Rnd 4: working in back loop only, sc in each st around (20) (Pic. 17)

Rnd 5: working in both loops now, sc in each st around (20)

Rnd 6: (3 sc, 1 sc dec) rep around (16)

Rnd 7: sc in each st around (16)

Rnd 8: (6 sc, 1 sc dec) twice (14) (Pic. 18)

Rnd 9: working in front loop only, sc inc around (28) (Pic. 19)

Rnd 10: sc in each st around (28)

Fasten off, leaving a long tail to sew the hat on top of the blue bird.

With Friends Cotton 8/6 color 76 work the **surface crochet technique**.

Step 1: Begin by folding your work yarn in half.

Step 2: Insert your hook into the desired st, between Rnd 8 and 9, place the loop of yarn onto your hook.

Step 3: Pull the loop of yarn up through to the top side of your work.

Step 4: Insert your hook into the next desired st.

Step 5: Yarn over and pull up a loop, pulling it through the previous loop.

Repeat Steps 4 & 5 until your surface crochet is complete and then finish with the fastening off. (Pics. 20 – 26)

WEDDING CAKE

Work with Friends Cotton 8/6 color 01 and Friends Cotton 8/6 color 51.

BASE (work in rows)

Row 1: starting off with color 01, work 15 chs, 1 sc in the 2nd ch from the hook, 1 sc in next 13 chs (14); turn (Pic. 27)

Row 2: ch 1, 1 sc in next 3 sts, 1 sc dec, 1 sc in next 4 sts, 1 sc dec, 1 sc in next 3 sts (12); turn (Pic. 29)

Rows 3 - 4: ch 1, sc in each st across (12); turn

Row 5: ch 1, 1 sc in next 3 sts, 1 sc dec, 1 sc in next 2 sts, 1 sc dec, 1 sc in next 3 sts (10); turn

Rows 6 - 7: ch 1, sc in each st across (10); turn

Row 8: ch 1, 1 sc in next 2 sts, 1 sc dec, 1 sc in next 2 sts, 1 sc dec, 1 sc in next 2 sts (8); turn

Rows 9 - 10: ch 1, sc in each st across (8); turn

Row 11: ch 1, 1 sc in next st, 1 sc dec, 1 sc in next 2 sts, 1 sc dec, 1 sc in next st (6); turn

Rows 12 - 13: ch 1, sc in each st across (6); turn

Row 14: ch 1, 1 sc in next st, 2 sc dec, 1 sc in next st (4); turn

Row 15: ch 1, sc in each st across (4); turn

Row 16: ch 1, 2 sc dec (2); turn

Row 17: ch 1, sc in each st across (2); do not turn (Pic. 291)

Start working in joined rounds - sl st in the next st. (Pic. 30)

Rnd 1: Ch 1 (Pic. 31), 1 sc into the same st, 1 sc in next 14 sts (Pic. 32), 3 sc in the corner st (Pic. 33), 1 sc in next 12 sts, 3 sc in the corner st (Pic. 34), 1 sc in next 15 sts (Pic. 35), 3 sc in next 2 sts (Pic. 36) (54)

Rnd 2: work in back loop only, sc in each st around (54)

Rnds 3 - 4: work in both loops now, sc in each st around (54) (Pic. 37)

Rnd 5: switch to color 51 (Pics. 38 - 39), sc in 15 sts (Pics. 40 - 41), switch back to color 01 (Pic. 42), sc in next 18 sts, switch to color 51, sc in next 21 sts (54) (Pics. 43)

Rnds 6 - 7: sc in 15 sts, switch back to color 01, sc in next 18 sts, switch to color 51, sc in next 21 sts (54) (Pic. 44)

Rnd 8: switch to color 01, sc in each st around (54)

Rnds 9 - 10: sc in each st around (54)

Rnd 11: switch to color 51, sc in 15 sts, switch back to color 01, sc in next 18 sts, switch to color 51, sc in next 21 sts (54)

Rnds 12 - 13: sc in 15 sts, switch back to color 01, sc in next 18 sts, switch to color 51, sc in next 21 sts (54)

Rnd 8: switch to color 01, sc in each st around (54)

Rnds 9 - 10: sc in each st around (54) *(Pic. 45)*

Fasten off, leaving a long tail. Stuff the cake slice. *(Pic. 46)*

TOP (work in rows)

Row 1: with color 01, work 15 chs, 1 sc in the 2nd ch from the hook, 1 sc in next 13 chs (14); turn

Row 2: ch 1, 1 sc in next 3 sts, 1 sc dec, 1 sc in next 4 sts, 1 sc dec, 1 sc in next 3 sts (12); turn

Rows 3 - 4: ch 1, sc in each st across (12); turn

Row 5: ch 1, 1 sc in next 3 sts, 1 sc dec, 1 sc in next 2 sts, 1 sc dec, 1 sc in next 3 sts (10); turn

Rows 6 - 7: ch 1, sc in each st across (10); turn

Row 8: ch 1, 1 sc in next 2 sts, 1 sc dec, 1 sc in next 2 sts, 1 sc dec, 1 sc in next 2 sts (8); turn

Rows 9 - 10: ch 1, sc in each st across (8); turn

Row 11: ch 1, 1 sc in next st, 1 sc dec, 1 sc in next 2 sts, 1 sc dec, 1 sc in next st (6); turn

Rows 12 - 13: ch 1, sc in each st across (6); turn

Row 14: ch 1, 1 sc in next st, 2 sc dec, 1 sc in next st (4); turn

Row 15: ch 1, sc in each st across (4); turn

Row 16: ch 1, 2 sc dec (2); turn

Row 17: ch 1, sc in each st across (2); do not turn

Start working in joined rounds - sl st in the next st.

Rnd 1: Ch 1, 1 sc into the same st, 1 sc in next 14 sts, 3 sc in the corner st, 1 sc in next 12 sts, 3 sc in the corner st, 1 sc in next 15 sts, 3 sc in next 2 sts (54)

Fasten off.

Position the top on the cake slice, matching the sides and sew the two pieces together. Continue stuffing while sewing. *(Pics. 47 - 48)*

WHIPPED CREAM (work in rows)

Make one in each color - Friends Cotton 8/6 colors 21 / 51 / 54.

Row 1: work 11 chs, 1 sc inc in the 2nd ch from the hook, 1 sc in next 7 chs, 1 sc dec (10); turn

Row 2: work in back loop only, ch 1, 1 sc dec, 1 sc in next 7 sts, 1 sc inc (10); turn

Row 3: work in back loop only, ch 1, 1 sc inc, 1 sc in next 7 sts, 1 sc dec (10); turn

Row 4: work in back loop only, ch 1, 1 sc dec, 1 sc in next 7 sts, 1 sc inc (10); turn

Rows 5 - 12: rep rows 3 and 4. *(Pic. 49)*

Fasten off, leaving a long tail. Sew row 1 and row 12 together. *(Pics. 50 - 51)* Thread tail through top sts. *(Pic. 52)* Pull tail to close opening and knot securely. *(Pics. 53 - 54)* Do the same for the other opening. *(Pics. 55 - 58)*

Fasten off and leave a long tail to sew the whipped cream onto the cake slice. *(Pics. 59 - 60)*

DIAMOND RING

RING

Work with Friends Cotton 8/6 color 21.

Rnd 1: work 40 chs, join with 1st ch with a sl st (Pic. 61); work 1 sc in the same ch, 1 sc in next 39 chs (40)

Rnd 2: (1 sc in next 3 sts, 1 sc inc) rep around (50)

Rnd 3: (1 sc in next 4 sts, 1 sc inc) rep around (60)

Rnd 4: (1 sc in next 5 sts, 1 sc inc) rep around (70)

Rnd 5: sc in each st around (70)

Rnd 6: (1 sc in next 5 sts, 1 sc dec) rep around (60)

Rnd 7: (1 sc in next 4 sts, 1 sc dec) rep around (50) (Pic. 62)

Fasten off, leaving a long tail to sew rnd 7 to rnd 1. Stuff tight while sewing. (Pic. 63)

DIAMOND

Work with Friends Cotton 8/6 color 01 and color 21.

Rnd 1: start with color 01, work 8 sc in a magic ring (8)

Rnd 2: sc inc around (16)

Rnd 3: (1 sc in next st, 1 sc inc) rep around (24) (Pic. 64)

Rnd 4: working in back loop only, (1 sc in next 3 sts, 1 sc inc) rep around (30) (Pic. 65)

Rnd 5: working in both loops now, sc in each st around (30) (Pic. 66)

Rnd 6: working in back loop only, (1 sc in next 3 sts, 1 sc dec) rep around (24)

Rnd 7: working in both loops now, (1 sc in next 2 sts, 1 sc dec) rep around (18)

Rnd 8: (1 sc in next st, 1 sc dec) rep around (12)

Rnd 9: switch to color 21 (Pic. 67), (1 sc in next st, 1 sc dec) rep around (8) (Pic. 68)

Stuff the diamond. Fasten off and leave a long tail of yarn to sew the diamond to the ring. Use the extra length of yarn to embroider the prongs between rnds 7 and 10. (Pic. 69)

With color 01, embroider 5 straight lines between rnds 3 and 8 to create the diamond cuts. (Pics. 70 - 71)

CHAMPAGNE GLASS

Work with Friends Cotton 8/6 color 01 and color 21.

Rnd 1: start with color 01, work 8 sc in a magic ring (8)

Rnd 2: sc inc around (16)

Rnd 3: (1 sc in next st, 1 sc inc) rep around (24)

Rnd 4: (1 sc in next 2 sts, 1 sc inc) rep around (32)

Rnd 5: (1 sc in next 3 sts, 1 sc inc) rep around (40)

Rnd 6: (1 sc in next 4 sts, 1 sc inc) rep around (48)

Rnd 7: working in back loop only, sc dec around (24) (Pic. 72)

Rnd 8: working in both loops now, (1 sc in next 2 sts, 1 sc dec) rep around (18) (Pic. 73)

Rnd 9: (1 sc in next st, 1 sc dec) rep around (12) (Pic. 74)

Rnd 10: (1 sc in next st, 1 sc dec) rep around (8)

Rnd 11: working in front loop only, sc in each st around (8) (Pic. 75)

Rnds 12 - 21: working in both loops now, sc in each st around (8)

Rnd 22: switch to color 21 (Pic. 76), (1 sc in next st, 1 sc inc) rep around (12)

Rnd 23: (1 sc in next 2 sts, 1 sc inc) rep around (16)
Rnd 24: (1 sc in next 3 sts, 1 sc inc) rep around (20) (Pic. 77)
Rnd 25: (1 sc in next 4 sts, 1 sc inc) rep around (24)
Rnd 26: (1 sc in next 2 sts, 1 sc inc) rep around (32)
Rnd 27: sc in each st around (32)
Rnd 28: (1 sc in next 3 sts, 1 sc inc) rep around (40)
Rnds 29 - 31: sc in each st around (40)
Rnd 32: (1 sc in next 8 sts, 1 sc dec) rep around (36)
Rnds 33 - 34: sc in each st around (36)
Rnd 35: (1 sc in next 7 sts, 1 sc dec) rep around (32)
Rnds 36 - 41: sc in each st around (32) (Pic. 78)

Begin stuffing and continue until the piece is complete.

Rnd 42: working in back loop only, sc around (32) (Pic. 79)
Rnd 43: working in both loops now, (1 sc in next 2 sts, 1 sc dec) rep around (24) (Pic. 80)
Rnd 44: (1 sc in next 2 sts, 1 sc dec) rep around (16)
Rnd 45: sc dec around (8) (Pic. 81)

Fasten off, leaving a long tail. Thread tail through top of sts of last rnd. Pull tail to close opening and knot securely.

Join color 01 to the front loop of any one st of rnd 41. (Pic. 82)
Rnd 42b: working in front loop only, 1 sc in the same st, 1 sc in each st around (32)
Rnd 43b: working in both loops now, (1 sc in next 6 sts, 1 sc dec) rep around (28)
Rnds 44b - 45b: sc in each around (28)

Fasten off, cut the yarn and weave in ends. (Pic. 83)

HEART-SHAPED GLASSES

To create heart-shaped glasses, start by drawing the desired shape on a piece of paper to use as a guide. (Pic. 84) Then, carefully bend the metal wire along the outline, shaping it to match the pattern. (Pics. 85 - 89) Secure the ends with tape. (Pic. 90)

Work with Friends Cotton 8/6 color 54 and Soft Lash color 07 held together (Pic. 91)

- work a slip knot
- put your hook through (Pic. 92)
- grab the yarn from underneath the wire
- grab yarn again (from above the wire) and pull it through two loops
- continue until all frame is covered with yarn
- once you reach the end, sl st in the 1st st

Fasten off, cut the yarn and weave in ends. (Pics. 97 -99)

With color Friends Cotton 8/6 color 54 and Soft Lash color 07 held together and an embroidery needle, secure the stick to one side of the glasses.

LOVE SIGN

Work with Friends Cotton 8/6 color 54.

LETTER L (work in rows, unless otherwise instructed; make 2)

(Diagram A).

Row 1: work 20 chs, 1 sc in the 2nd ch from the hook, 1 sc in next 11 chs, 5 sc in next ch (Pic. 98), 1 sc in next 6 chs (23); turn (Pic. 99)

Row 2: ch 1, 1 sc in next 8 sts, 3 sc in next st, 1 sc in next 14 sts (25); turn

Row 3: ch 1, 1 sc next 24 sts, 3 sc in last st (Pic. 100) (27); do not turn

Keep working in round

Rnd 1: 1 sc in next st, 3 sc in corner st, 1 sc in next 5 sts, skip next st (Pic. 101), 1 sc in next 11 sts, 3 sc in corner st, 1 sc in next st, 2 sc in last st (Pic. 102), join with a sl st to st 1 of row 3. (Pics. 103 - 104)

Fasten off and leave a long tail of yarn to sew the two Ls together. (Pics. 105 - 106)

LETTER O (work in round; make 2)

(Diagram B).

Rnd 1: work 24 chs, join to 1st ch and work 1 sc inc in the same st (Pic. 107), 1 sc inc next 5 sts, 1 sc in next 6 sts, 1 sc inc in next 6 sts, 1 sc in next 6 sts (36) (Pic. 108)

Rnd 2: (1 sc in next st, 1 sc inc) 6 times, 1 sc in next 6 sts, (1 sc in next st, 1 sc inc) 6 times, 1 sc in next 6 sts (48)

Rnd 3: (1 sc in next 7 sts, 1 sc inc) rep around (54)

Fasten off and leave a long tail of yarn to sew the two Os together. (Pics. 110 - 112)

LETTER V (work in rows, unless otherwise instructed; make 2)

(Diagram C).

Row 1: work 26 chs, 1 sc in the 2nd ch from the hook, 1 sc in next 11 chs, 5 sc in next ch, 1 sc in next 12 chs (29); turn

Row 2: ch 1, 1 sc in next 14 sts, 5 sc in next st, 1 sc in next 14 sts (33); turn

Row 3: ch 1, 1 sc next 32 sts, 3 sc in last st (Pic. 113) (35); do not turn

Keep working in round

Rnd 1: 1 sc in next st, 3 sc in corner st (Pic. 114), 1 sc in next 11 sts, skip next st (Pic. 115), 1 sc in next 11 sts, 3 sc in corner st, 1 sc in next st, 2 sc in last st (Pic. 116), join with a sl st to st 1 of row 3. (Pic. 117)

Fasten off and leave a long tail of yarn to sew the two Vs together. (Pics. 118 - 119)

LETTER E (work in rows, unless otherwise instructed; make 2)

(Diagram D).

Row 1: work 24 chs (Pic. 120), 1 sc in the 2nd ch from the hook, 1 sc in next 5 chs, 5 sc in next ch, 1 sc in next 9 chs, 5 sc in next ch, 1 sc in next 6 chs (31); turn

Row 2: ch 1, 1 sc in next 8 sts, 3 sc in next st, 1 sc in next 13 sts, 3 sc in next st, 1 sc in next 8 sts (35); turn

Row 3: ch 1, 1 sc next 34 sts, 3 sc in last st (Pic. 121) (37); do not turn

Keep working in round

Rnd 1: 1 sc in next st, 3 sc in corner st (Pic. 122), 1 sc in next 5 sts, skip next st (Pic. 123), 1 sc in next 5 sts, turn, (Pic. 124)
1 sc in next 2 sts, turn, (Pic. 125)
- ch 1, 1 sc in next 2 sts, turn,
- ch 1, 1 sc in next 2 sts, turn,
- ch 1, 1 sc in next st, 3 sc in corner st (Pics. 126 - 127), keep working in rnd, 1 sc in next st, skip 1 st (on row 1) (Pic. 128), 1 sc in next 3 sts, skip 1 st (Pic. 129), 1 sc in next 5 sts, 3 sc in corner st, 1 sc in next st, 2 sc in last st, join with a sl st to st 1 of row 3. (Pics. 130 - 131)

Fasten off and leave a long tail of yarn to sew the two Es together. (Pics. 132 - 133)

Sew the letters together as shown in the pictures. (Pics. 134 - 138)

Enjoy!

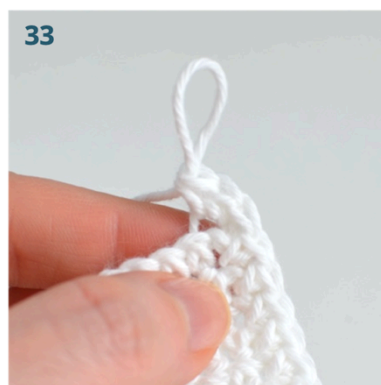
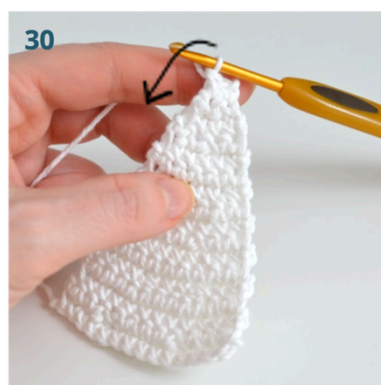
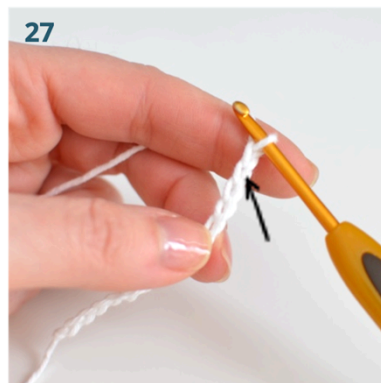
Elisa Sartori

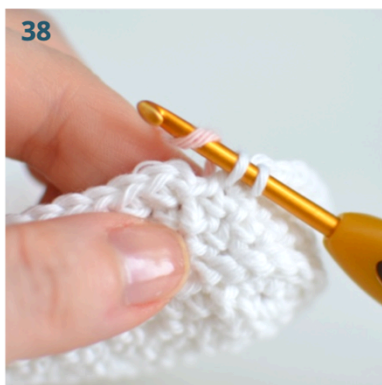


GUIDE

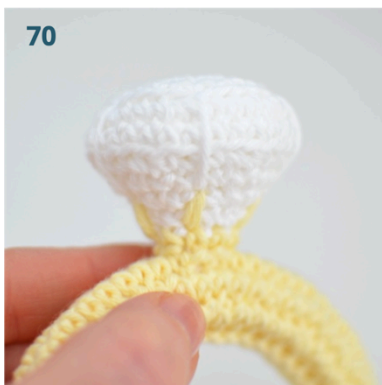
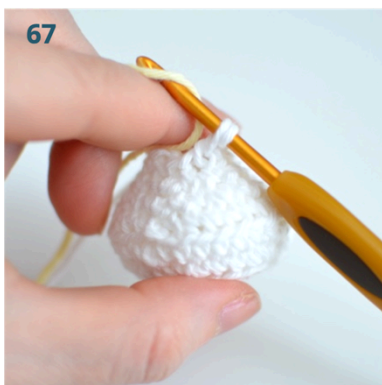


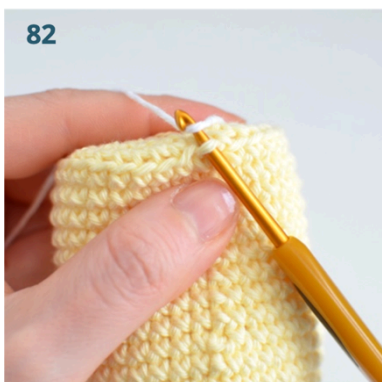
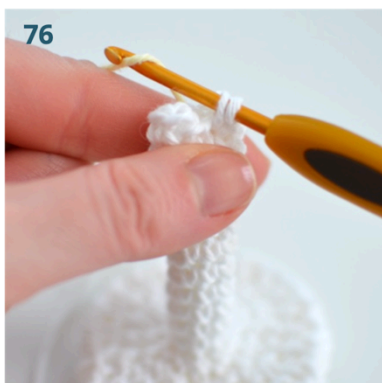


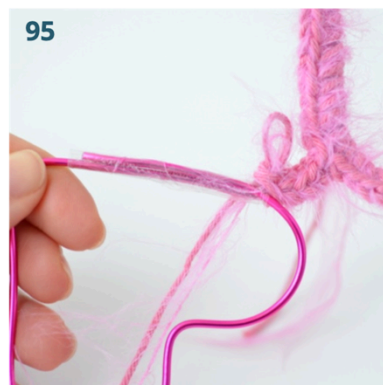
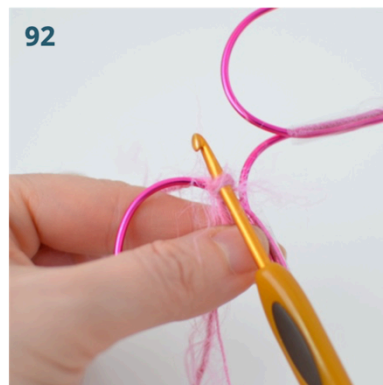
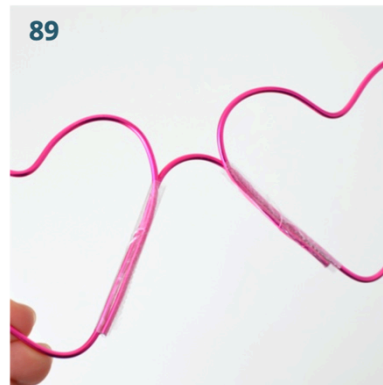
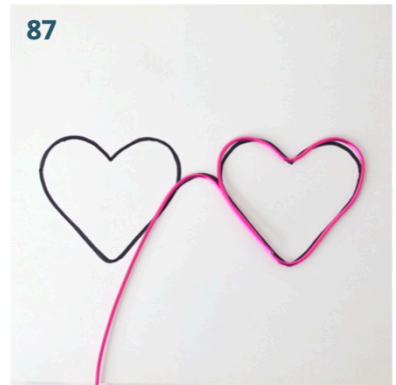
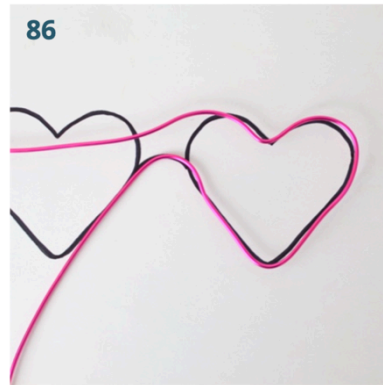
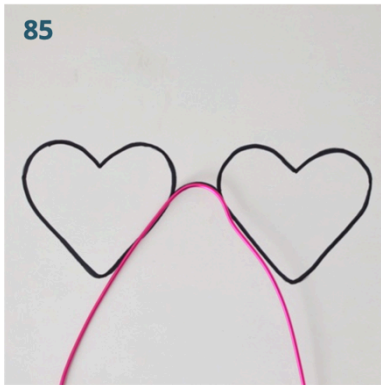


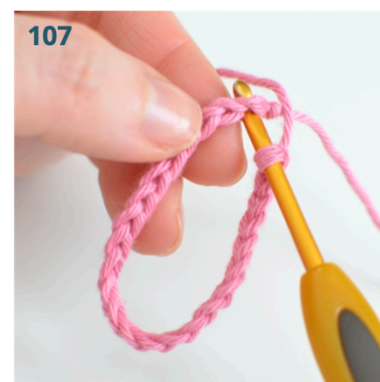
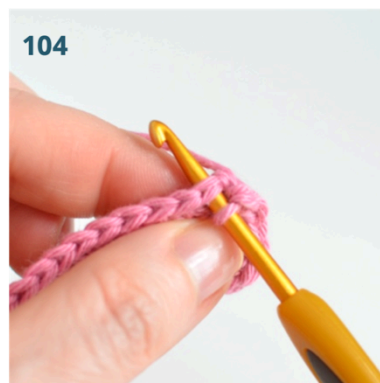
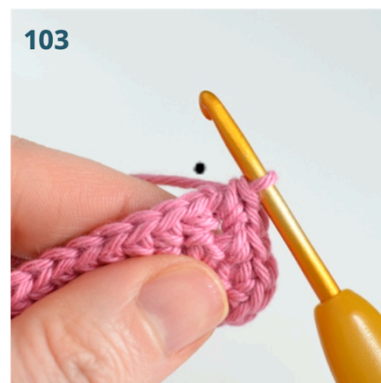
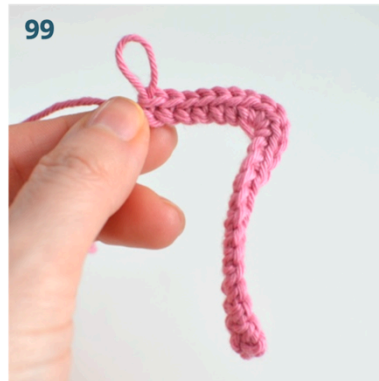
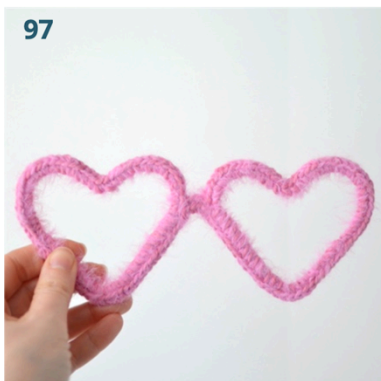


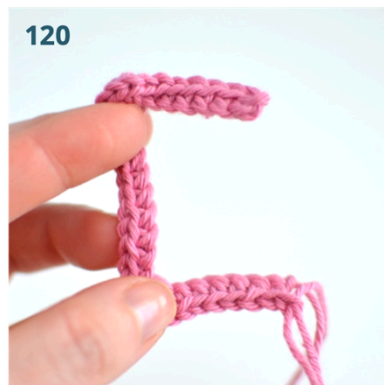
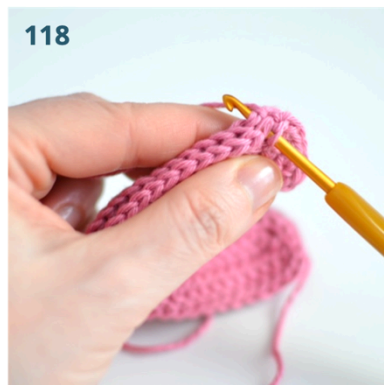
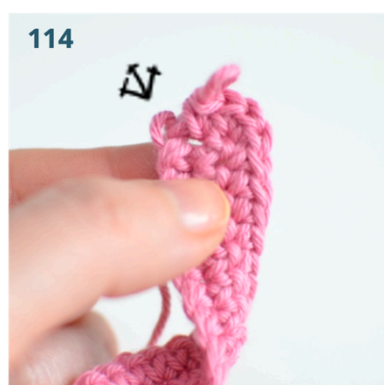
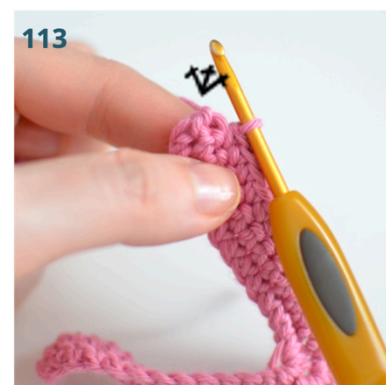
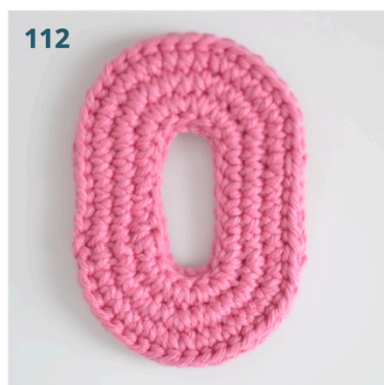
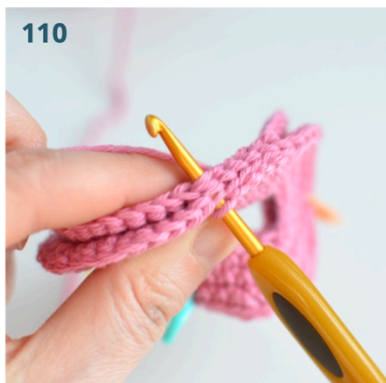


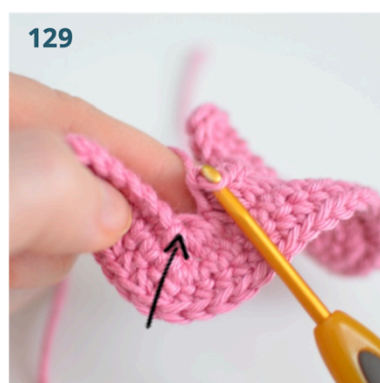
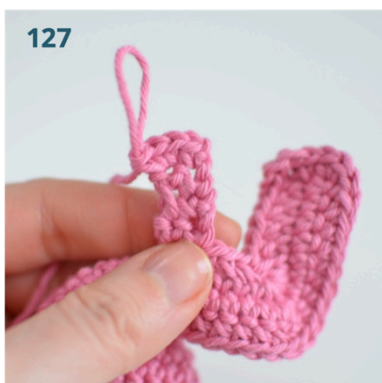












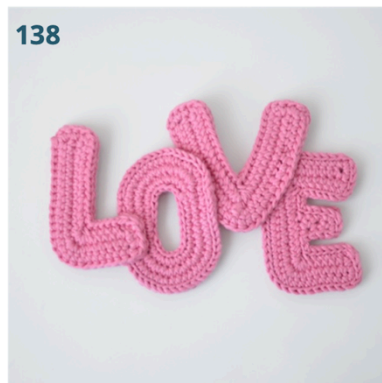


Diagram A

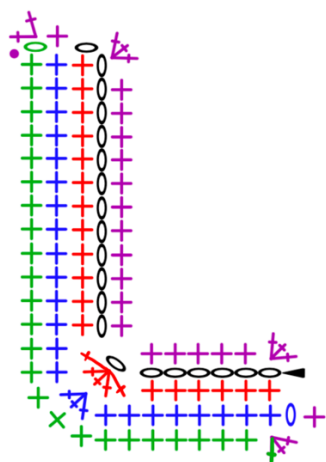


Diagram B

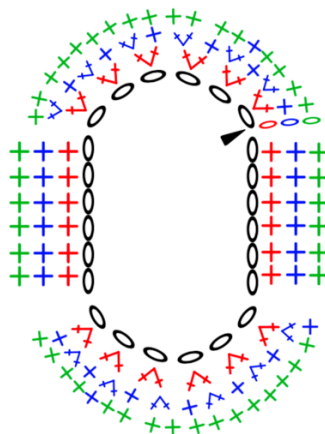


Diagram C

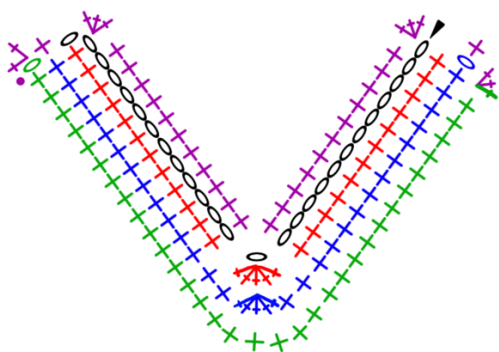


Diagram D

