



designs for hand knitting by
HEIDI KIRRMAIER

Ship Shape Cardigan



FINISHED CHEST/BODY CIRCUMFERENCE

XXS	(XS	S1	S2)	[M1	M2	L]	(XL	2X	3X)	[4X	5X	6X]	cm
85	91	96	102	107	115	122	131	140	149	160	169	178	
33½	35¾	38	40	42¼	45	48	51½	55	58¾	63	66½	70	

inches

- Intended to fit with approximately 10 - 18 cm (4 - 7 inches) of positive ease around the chest. Shown in Size S2 with approximately 15 cm (6 inches) of positive ease.
- Refer to diagram on Page 3 for more detailed measurements to help select your size.

MATERIALS & TOOLS

- DK weight yarn in 2 colours, in the amounts given below. C1 is the ribbing colour. Shown in John Arbon Appledore DK (40% Devon Closewool, 40% Romney, 20% Wool; 250 m (273 yards)/100 g; C1 = 'Billy Down Pippin' and C2 = 'Golden Knob'

XXS	(XS	S1	S2)	[M1	M2	L]	(XL	2X	3X)	[4X	5X	6X]	metres
C1	500	525	570	580	630	690	750	820	865	920	1000	1070	1130
C2	400	425	460	490	500	560	600	660	700	740	800	860	900
C1	550	575	625	640	690	755	820	900	950	1000	1100	1170	1240
C2	440	465	500	540	550	615	660	725	770	810	875	940	985

yards

yards

- 3.5 mm (US 4) needles, or size to obtain gauge (=gauge needle):
 - long circular (e.g. 100 cm (40 inches) or more)
 - for working small diameter rounds (sleeves) using preferred method (e.g. DPNs, short circular, magic loop, 2 circulars)
- 3.25 mm (US 3) needles, or one size smaller than gauge needle (=ribbing needle):
 - long circular (for body ribbing and collar)
 - for working small diameter rounds (sleeve ribbing) using preferred method
- 2 spare circular needles of same or any size smaller than gauge needle
- 4 stitch markers
- waste yarn or cords for holding sts
- 7 buttons for Sizes XXS – L; 8 buttons for sizes XL – 6X; 1.5 to 1.9 cm in diameter (size 24L to 30L)

GAUGE

- 22 sts and 30 rows or rounds per 10 cm (4 inches) in st st with gauge needle, after blocking (=washing and drying)

PATTERN SUPPORT

- Please post any questions you may have in Heidi Kirrmaier's Ravelry group: <https://www.ravelry.com/groups/heidi-kirrmaier>.
- If you don't have a Ravelry account, questions may be emailed to: heidikdesigns411@gmail.com

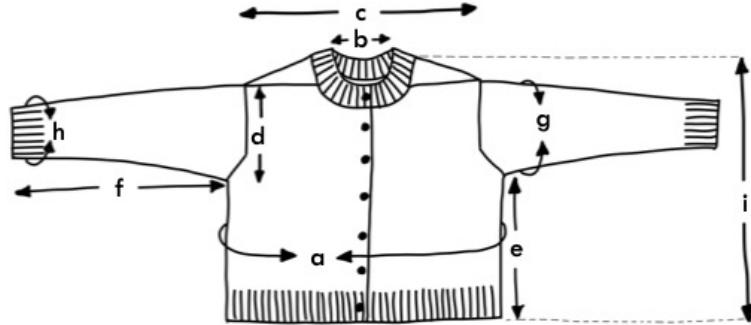
SHARE

- Please tag your projects with #ShipShapeCardigan and #HeidiKDesigns on social media. Thank you!

NOTES

- The cardigan is worked seamlessly from the top down.
- First, the 2 shoulder gussets are knit separately. Then stitches for the upper back and fronts of the cardigan are picked up along the edges, and knit separately until the straight part of the armhole is complete. Stitches for the sleeves are then picked up and worked with the body stitches, while increasing to create the angled part of the armhole (similar to raglan increases). Next, the sleeve stitches are put on hold while the body is knit. Then the sleeves are knit in the round.
- The edges of the front opening are finished with a slipped stitch edge (SSE) at the same time as the front pieces are knit. The Recommended Swatch instructions on Page 4 include an alternate method that can be used if you are concerned the edges may roll under too much. (Sample shown has edges as described in the main instructions).
- Buttonholes are made in every 6th stripe (always C1), and one is made in the bottom ribbing, and one in the collar. Refer to Page 14 for a diagram representing the buttonhole placement. If you wish to change the length of the cardigan, you may wish to reposition the buttonholes.
- Collar stitches are picked up and knit at the end.
- Where bold letters (e.g. **A**, **B**, **C**, etc.) appear in the instructions, insert the number given for your size from the accompanying table.
- Where only one number appears in (parentheses) or [brackets], it applies to all sizes contained in the same.
- Abbreviations and definitions are on Page 13.

FINISHED MEASUREMENTS



	XXS	(XS	S1	S2)	[M1	M2	L]	(XL	2X	3X)	[4X	5X	6X]
a	85	91	96	102	107	115	122	131	140	149	160	169	178
b	14	14	14	14	14	15	15	15	15	15	15	15	15
c	40	40	45	45	45	47	47	53	53	53	59	59	59
d	17	17	19	20	20	21	21	23	24	25	25	27	28
e	33	33	32	30	30	32	34	34	33	31	31	33	31
f	44	44	46	46	46	46	46	46	46	46	46	46	46
g	30	33	34	36	39	40	42	45	48	50	53	55	59
h	22	22	24	24	24	25	25	25	25	27	27	27	29
i	54	54	55	55	55	58	61	63	63	63	66	66	66

	XXS	(XS	S1	S2)	[M1	M2	L]	(XL	2X	3X)	[4X	5X	6X]
a	33.6	35.8	37.9	40.1	42.2	45.1	48.0	51.5	55.1	58.7	63.0	66.6	70.2
b	5.4	5.4	5.4	5.4	5.4	6.1	6.1	5.7	5.7	5.7	6.1	6.1	6.1
c	15.7	15.7	17.5	17.9	17.9	18.6	18.6	20.8	20.8	20.8	23.3	23.3	23.3
d	6.8	6.8	7.3	7.9	7.9	8.4	8.4	8.9	9.4	10.0	10.0	10.5	11.0
e	13.0	13.0	12.5	11.9	11.9	12.5	13.5	13.4	12.9	12.3	12.3	12.9	12.3
f	17.3	17.3	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1
g	12.0	13.1	13.4	14.1	15.2	15.9	16.6	17.7	18.8	19.9	20.9	21.7	23.1
h	8.6	8.6	9.3	9.3	9.3	10.0	10.0	10.0	10.0	10.7	10.7	10.7	11.5
i	21.4	21.4	21.8	21.8	21.8	22.8	23.9	24.6	24.6	24.6	25.0	26.0	26.0

RECOMMENDED SWATCH

TIP: Make a swatch as described below to test gauge, as well as the techniques used to finish the front edges of the cardigan including buttonholes.

The instructions include:

- the slipped stitch edge pattern (SSE), and an alternative method with 2 purl sts next to it, to help determine which one works best with your yarn;
- the method for carrying the second yarn colour and twisting it neatly at the edge;
- the buttonhole instructions, which may help you select buttons.

With gauge needle and C1 yarn, CO 36 sts.

Row 1 (WS): p3, *k2, p2; repeat from * to last 5 sts, k2, p3.

Row 2 (RS): k1, sl1 wyif, k1, *p2, k2; repeat from * to last 5 sts, p2, k1, sl wyif, k1.

Row 3 (WS): sl1 wyif, k1, sl1 wyif, *k2, p2; repeat from * to last 5 sts, k2, sl1 wyif, k1, sl1 wyif.

NOTE: SSE has now been established over 3 sts on each end.

Repeat previous 2 rows 4 more times.

Join C2 yarn. Leave C1 yarn attached.

Next row (RS): with C2, SSE, p2, k to last 3 sts, SSE.

Next row (WS): SSE, p to last 5 sts, k2, SSE.

NOTE: On the right edge, the alternate edge treatment has now been established, with 2 purl sts (on RS) next to the SSE.

Next row (RS): bring C1 yarn over C2 yarn from right to left, then take C2 yarn from right and work as previous RS row.

Next row (WS): as previous WS row.

Change to C1 yarn, by bringing it over C2 yarn from right to left.

Next 4 rows: as previous 4 rows with C1 and C2 reversed.

Next 4 rows: as previous 4 rows with C1 and C2 reversed.

NOTE: For the remainder of the swatch, continue changing between C1 and C2 every 4 rows in the same manner as above.

Work 2 rows in est pattern in C1.

Next row (RS)(make 2 buttonholes): k1, sl1 wyif, ssk, backward loop CO 2 sts, k2 tog, k to last 6 sts, ssk, backward loop CO 2 sts, k2 tog, sl1 wyif, k1.

Next row (WS): SSE, p to last 5 sts, k2, SSE.

Continue in est pattern until swatch measures approximately 15 cm (6 inches) ending with WS row, and make buttonholes again on 3rd row of third C1 stripe following the first C1 stripe with buttonholes.

Next row (BO on RS): k2 tog tbl, k1, pps, then BO all sts knitwise up to last 2 sts, k2 tog, pps, cut yarn and pull through last st.

Wash the swatch the way you intend to wash the cardigan. Lay it flat to dry, patting down the edges. You can pin the edges if you plan to do so on the finished cardigan.

INSTRUCTIONS

1. Shoulder Gussets (worked flat) – make 2

With gauge needle and C2 yarn, using long-tail or backward loop method,

XXS	(XS	S1	S2)	[M1	M2	L]	(XL	2X	3X)	[4X	5X	6X]
CO	21	21	25	25	25	25	25	29	29	29	33	33

sts.

Row 1 (WS): p all.

Row 2 (RS) (dec): k1, k2 tog, k to last 3 sts, ssk, k1. (= 2 sts dec'd)

Row 3 (WS): p all.

Change to C1 yarn.

TIP: Carry the yarn colour not in use along the edge of your work, wrapping it over the top of the colour in use, from right to left, every alternate row. Make sure it is not too loose or too tight; the length of the carried yarn should match the length of the knitted fabric.

Row 4 (RS): k all.

Row 5 (WS): p all.

Row 6 (RS) (dec): k1, k2 tog, k to last 3 sts, ssk, k1. (= 2 sts dec'd)

Row 7 (WS): p all.

Repeat the last 4 rows **A** more times, changing colour after each 4-row repeat. (5 sts remain)

Cut C1 yarn.

XXS	(XS	S1	S2)	[M1	M2	L]	(XL	2X	3X)	[4X	5X	6X]
A	6	6	8	8	8	8	8	10	10	10	12	12

Next row (RS) (C2): k all.

Next row (WS): p all.

Next row (RS) (centred double dec): k1, slip 2 sts (as if to k2 tog), k1, pass slipped sts over, k1. (3 sts remain)

Next row (WS): p all.

Continuing in C2, BO 3 sts knitwise.

Cut C2 yarn. Weave in all ends.

TIP: Steam the gussets, or gently press them with an iron under a damp cloth to minimize the curling. This will make it easier to pick up sts in the next part of the instructions.



2. Upper Back (worked flat)

Hold one gusset sideways with RS facing and pointed end to the right. Join new C1 yarn at pointed end.

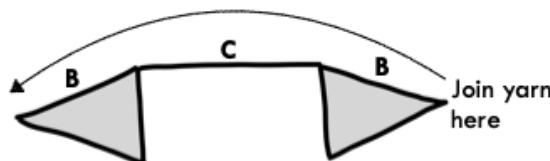
With gauge needle, pick up and knit **B** sts along long side of gusset, backward loop CO **C** sts, pick up and knit **B** sts along edge of second gusset beginning at wide end. (See diagram below.)

TIP 1: When picking up sts, begin and end as close as possible to each end of the gussets.

TIP 2: A rate of approximately 5 sts every 7 rows should achieve the correct number of sts. This means: *pick up 1 st per row 3 times, skip 1 row, pick up 1 st per row 2 times, skip 1 row; repeat from *.

TIP 3: Pick up sts exactly 1 st in from the edge, to ensure a neat finish.

	XXS	(XS	S1	S2)	[M1	M2	L]	(XL	2X	3X)	[4X	5X	6X]
B	25	25	30	31	31	31	31	37	37	37	42	42	42
C	40	40	40	40	40	44	44	44	44	44	48	48	48
Total sts	90	90	100	102	102	106	106	118	118	118	132	132	132



Turn work to WS.

Next row: p all.

Work 2 more rows st st.

Change to C2 yarn.

Continue working in st st, changing colour every 4 rows, until there is a total of **D** stripes.

	XXS	(XS	S1	S2)	[M1	M2	L]	(XL	2X	3X)	[4X	5X	6X]
D	10	10	11	11	11	11	10	11	11	10	11	10	10

Work 3 rows st st of next colour.

Next row (WS): p2 tog tbl, p to last 2 sts, p2 tog. (= 2 sts dec'd)

Cut both C1 and C2 yarns. Move sts onto waste yarn or cord.

3. Upper Right Front (worked flat)

Hold piece with RS facing and gussets at the top. Join new C1 yarn at pointed end of gusset at the right edge. With gauge needle, pick up and knit **B** sts (same as Back) along long side of gusset.

Turn work to WS.

Next row: p all.

Next row (RS) (inc): k to last 2 sts, m1r, k2. (= 1 st inc'd)

Next row (WS): p all.

Change to C2 yarn.

Next row (RS) (inc): k to last 2 sts, m1r, k2. (= 1 st inc'd)

Next row (WS): p all.

Repeat previous 2 rows. (= 1 st inc'd)

Change to C1 yarn.

Next row (RS) (inc): k to last 2 sts, m1r, k2. (= 1 st inc'd)

Next row (WS) (inc): p2, m1r-p, p to end. (= 1 st inc'd)

Repeat previous 2 rows. (= 2 sts inc'd)

Change of C2 yarn.

Next row (RS) (CO center neck sts): k to end, backward loop CO **E** sts.

	XXS	(XS	S1	S2)	[M1	M2	L]	(XL	2X	3X)	[4X	5X	6X]
E	17	17	17	17	17	19	19	19	19	19	21	21	21
Total front sts	49	49	54	55	55	57	57	63	63	63	70	70	70

Turn work to WS.

Next row (WS): k1, p to end.

Next row (RS): k to last 3 sts, k1, sl1 wyif, k1.

Next row (WS): sl1 wyif, k1, sl1 wyif, p to end.

NOTE 1: SSE has now been established on left edge. It continues down the entire Front.

NOTE 2: If working the alternative edge method (Page 4), p the 2 sts next to SSE on RS rows, and k these 2 sts on WS rows, beginning with the 3 previous rows.

Change to C1 yarn, and then continue changing colour every 4 rows.

Next row (RS): k to last 3 sts, SSE.

Next row (WS): SSE, p to end.

TIP: For an overview of the buttonhole placement, refer to Page 14. If you intend to alter the length of the cardigan (i.e. change the number of stripes), you may wish to reposition the buttonholes.

All sizes except M2:

Work in st st with SSE and 4 row stripes until there are 3 stripes (= 12 rows) beginning with the center neck CO.

Size M2 only:

Work in st st with SSE and 4 row stripes until there are 5 stripes (= 20 rows) beginning with the center neck CO.

All sizes:

Next row (RS)(C1): k to last 3 sts, SSE.

Next row (WS): SSE, p to end.

Next row (RS)(make buttonhole): k to last 6 sts, ssk, backward loop CO 2 sts, k2 tog, sl1 wyif, k1.

Next row (WS): SSE, p to end.

Continue working in est pattern with stripes and SSE, until there is a total of **F** stripes beginning with the center neck CO.

	XXS	(XS	S1	S2)	[M1	M2	L]	(XL	2X	3X)	[4X	5X	6X]
F	7	7	8	8	8	8	7	8	8	7	8	7	7

Work 3 rows in est pattern.

Next row (WS): work in est pattern to last 2 sts, p2 tog. (= 1 st dec'd)

Cut both C1 and C2 yarns. Move sts onto waste yarn or cord.

3. Upper Left Front (worked flat)

Place piece with RS facing and gussets at the top. Join new C1 yarn at wide end (= right edge) of left gusset. With gauge needle, pick up and knit **B** sts along long side of gusset.

	XXS	(XS	S1	S2)	[M1	M2	L]	(XL	2X	3X)	[4X	5X	6X]
B	25	25	30	31	31	31	31	37	37	37	42	42	42

Turn work to WS.

Next row: p all.

Next row (RS) (inc): k2, m1l, k to end. (= 1 st inc'd)

Next row (WS): p all.

Change to C2 yarn.

Next row (RS) (inc): k2, m1l, k to end. (= 1 st inc'd)

Next row (WS): p all.

Repeat previous 2 rows. Cut C2 yarn. (= 1 st inc'd)

Change to C1 yarn.

Next row (RS) (inc): k2, m1l, k to end. (= 1 st inc'd)

Next row (WS) (inc): p to last 2 sts, m1l-p, p2. (= 1 st inc'd)

Repeat previous 2 rows. (= 2 sts inc'd)

Cut C1 yarn. Join new C2 yarn.

Next row (RS) (CO center neck sts): backward loop CO **E** sts onto RH needle, k to end.

	XXS	(XS	S1	S2)	[M1	M2	L]	(XL	2X	3X)	[4X	5X	6X]
E	17	17	17	17	17	19	19	19	19	19	21	21	21
Total front sts	49	49	54	55	55	57	57	63	63	63	70	70	70

Turn work to WS.

Next row (WS): p all.

Next row (RS): SSE, k to end.

Next row (WS): p to last 3 sts, SSE.

Change to C1 yarn, and then continue changing colour every 4 rows.

TIP: It is especially important for the Left Front edge that the yarn colour not in use is neatly carried along the edge of your work, by wrapping it over the colour in use, from right to left, every alternate row. Make sure it is not too loose or too tight; the length of the carried yarn should match the length of the knitted fabric.

Continue working in est pattern with stripes and SSE, until there is a total of **F** stripes beginning with the neck CO.

	XXS	(XS	S1	S2)	[M1	M2	L]	(XL	2X	3X)	[4X	5X	6X]
F	7	7	8	8	8	8	7	8	8	8	7	8	7

Work 3 rows in est pattern.

Next row (WS): p2 tog tbl, work in est pattern to end. (= 1 st dec'd)

Leave both yarns attached.

4. Pick up Sleeve Stitches

Move Upper Back sts and Right Front sts onto spare needles.

Pick-up row (RS) (place 4 markers and pick up sleeve sts): with next stripe colour (still attached to Left Front), SSE, k remaining Left Front sts, pm, shift work 90° clockwise, pick up and knit **G** sts along edge of Upper Left Front, pick up and knit 1 st from gusset point, pick up and knit **G** sts along edge of Upper Back, pm, shift work 90° clockwise, k Back sts on spare needle (then remove spare needle), pm, shift work 90° clockwise, pick up and knit **G** sts along edge of Upper Back, pick up and knit 1 st from gusset point, pick up and knit **G** sts along edge of Upper Right Front, pm, shift work 90° clockwise, k Right Front sts on spare needle to last 3 sts, SSE (then remove spare needle).

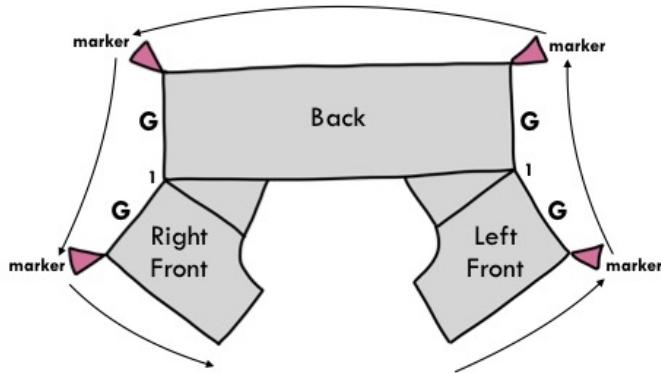
TIP 1: When shifting 90°, pull out the RH needle so some of the cable is exposed. This will make it easier to turn the corner and work the next set of sts.

TIP 2: Pick up sts exactly 1 st in from the edge, at a rate of approximately 5 sts every 7 rows to achieve the correct number of sts.

TIP 3: If the sts are too crowded on the needle, use a second needle or change to a longer one.

	XXS	(XS	S1	S2)	[M1	M2	L]	(XL	2X	3X)	[4X	5X	6X]	
G	30	30	33	33	33	33	30	30	34	33	30	34	31	31

Next row (WS): SSE, p to last 3 sts, SSE.



5. Armhole Shaping (worked flat)

In this section, continue working in est pattern with SSE, stripes, and a buttonhole on the third row of every 6th stripe (= every 24th row) on Right Front.

NOTE:

- For sizes S1, S2, M1, XL, 2X, 4X, next buttonhole is at the end of the first inc row below.
- For sizes XXS, XS, L, 3X, 5X, 6X, next buttonhole is at the end of the 3rd inc row below.
- For size M2, next buttonhole is at the end of the 5th inc row below.

Next row (RS) (inc): *work in est pattern to 1 st before marker, m1l, k1, sm, k1, m1r; repeat from * 3 more times, work in est pattern to end. (= 8 sts inc'd)

Next row (WS): work straight in est pattern.

Repeat previous 2 rows **H** more times.

	XXS	(XS	S1	S2)	[M1	M2	L]	(XL	2X	3X)	[4X	5X	6X]
H	2	2	2	4	4	6	8	8	10	14	12	16	18
Front sts	51	51	56	59	59	63	65	71	73	77	82	86	88
Sleeve sts	67	67	73	77	77	81	79	87	89	91	95	97	101
Back sts	94	94	104	110	110	118	122	134	138	146	156	164	168

6. Body (worked flat)

In this section, continue working in est pattern with SSE, stripes, and buttonholes.

Set-up round: with next colour, work Left Front sts in est pattern, remove marker, place Right Sleeve sts onto waste yarn or cord, remove marker, backward loop CO **J** sts, k Back sts, remove marker, place left Sleeve sts onto waste yarn or cord, remove marker, backward loop CO **J** sts, work Right Front sts in est pattern to end.

	XXS	(XS	S1	S2)	[M1	M2	L]	(XL	2X	3X)	[4X	5X	6X]
J	0	6	2	2	8	8	12	10	16	18	20	22	28
Total Body sts	196	208	220	232	244	260	276	296	316	336	360	380	400

Knit straight in est pattern until there is a total of **M** stripes beginning with underarm CO row.

	XXS	(XS	S1	S2)	[M1	M2	L]	(XL	2X	3X)	[4X	5X	6X]
M	21	21	20	19	19	20	22	21	20	19	19	20	19

Cut C2 yarn.

Next round (C1): Work 1 row in est pattern.

Change to ribbing needle.

Next row (WS): SSE, *k2, p2; repeat from * to last 5 sts, k2, SSE.

Work 8 (8) [8] (12) [12] more rows in est 2x2 rib with SSE.

Next row (RS) (make buttonhole): work in est 2x2 rib with SSE to last 6 sts, ssk, backward loop CO 2 sts, k2tog, sl1 wyif, k1.

Work 7 more rows in est 2x2 rib with SSE.

Next row (BO on RS): k2 tog tbl, k1, pps, then BO in est 2x2 rib to last 2 sts, k2 tog, pps, cut yarn and pull through last st.

7. Sleeves (worked in the round) - both the same

Move sts from waste yarn onto gauge needle(s) for working small diameter rounds. Join new yarn in next stripe colour at the centre of underarm body CO sts.

Set-up round: pick up and knit **N** sts from body, k sleeve sts, pick up and knit **N** sts from body. (Pm for BOR if using a single circular needle.)

	XXS	(XS	S1	S2)	[M1	M2	L]	(XL	2X	3X)	[4X	5X	6X]
N	0	3	1	1	4	4	7	6	8	10	11	12	14
Total Sleeve sts	67	73	75	79	85	89	93	99	105	111	117	121	129

Work 11 (7) [7] (3) [3] rounds straight in stripe pattern.

Next round (dec): k1, k2 tog, k to last 3 sts, ssk, k1. (= 2 sts dec'd)

Continue knitting in stripe pattern and dec again on following:

	XXS	(XS	S1	S2)	[M1	M2	L]	(XL	2X	3X)	[4X	5X	6X]	rounds
	14 th	10 th	12 th	10 th	8 th	8 th	8 th	6 th						
then on	7	10	9	11	14	14	8	18	12	11	7	3	2	times,
	-	-	-	-	-	-	4 th	-	4 th	rounds				
	-	-	-	-	-	-	8	-	9	11	17	23	25	times.
Resulting sts	51	51	55	55	55	59	59	61	61	65	67	67	73	

Knit straight until sleeve measures approximately 41 (41, 43, 43) [43] (42) [42] cm (16 1/4, (16 1/4, 17, 17) [17] (16 1/2) [16 1/2] inches) from underarm, or 5 (5) [5] (6) [6] cm (2 (2) [2] (2 1/2) [2 1/2] inches) short of desired length, ending with 4 rounds of C2.

Cut C2 yarn.

Next round (C1): kP, (k2 tog, kQ) R times, k2 tog, k to end.

	XXS	(XS	S1	S2)	[M1	M2	L]	(XL	2X	3X)	[4X	5X	6X]
P	8	8	8	8	8	8	8	5	5	7	2	2	3
Q	14	14	16	16	16	18	18	10	10	10	8	8	6
R	2	2	2	2	2	2	2	4	4	4	6	6	8
Resulting sts	48	48	52	52	52	56	56	56	56	60	60	60	64

Change to ribbing needle(s).

Next round: *k2, p2; repeat from * to end.

Work est 2x2 rib for 16 (16) [16] (20) [20] more rounds.

BO in 2x2 rib.

8. Collar (worked flat)

Weave in all remaining ends around the neckline.

Join C1 yarn at top of right front edge.

Pick-up row (RS): beginning as close to the edge as possible, with ribbing needle pick up and k S sts along front neck edge to beginning of shoulder gusset, pick up and k T sts from shoulder gusset edge, pm, pick up and k U sts from back neck edge, pm, pick up and k T sts from shoulder gusset edge, pick up and k S sts along front neck edge.

	XXS	(XS	S1	S2)	[M1	M2	L]	(XL	2X	3X)	[4X	5X	6X]
S	24	24	24	24	24	25	25	25	25	25	26	26	26
T	18	18	22	22	22	21	21	25	25	25	28	28	28
U	40	40	40	40	40	44	44	44	44	44	48	48	48
Total Collar sts	124	124	132	132	132	136	136	144	144	144	156	156	156

Next row (WS): SSE, k2, *p2, k2; repeat from * to 1 st before marker, p1, sm, p1, k2, *p2, k2; repeat from * to 1 st before marker, p1, sm, p1, k2, *p2, k2; repeat from * to last 3 sts, SSE.

Next row (RS)(dec): SSE, *p2, k2; repeat from * to 3 sts before marker, p1, k2 tog, sm, ssk, p1, k2, *p2, k2; repeat from * to 3 sts before marker, p1, k2 tog, sm, ssk, p1, *k2, p2; repeat from * to last 3 sts, SSE. (= 4 sts dec'd)

Next row (WS): SSE, work all sts as they appear to last 3 sts, SSE.

NOTE: The st on each side of each marker is purled on WS rows.

Next row (RS) (dec): SSE, *work all sts as they appear to 2 sts before marker, k2 tog, sm, ssk; repeat from * once more, work all sts as they appear to 3 sts before end, SSE. (= 4 sts dec'd)

Next row (WS): as previous WS row.

Sizes XL, 2X, 3X, 4X, 5X, and 6X only:

Repeat previous 2 rows once more. (= 4 sts dec'd)

All Sizes:

Next row (RS) (make buttonhole and dec): k1, sl1 wyif, ssk, backward loop CO 2 sts, k2 tog, *work all sts as they appear to 2 sts before marker, k2 tog, sm, ssk; repeat from * once more, work all sts as they appear to 3 sts before end, SSE. (= 4 sts dec'd)

Next row (WS): SSE, work all sts as they appear to last 6 sts, p1, k2, SSE.

Work 4 (4) [4] (6) [6] more rows in est pattern and decs on RS rows.

XXS	(XS	S1	S2)	[M1	M2	L]	(XL	2X	3X)	[4X	5X	6X]
Resulting sts	104	104	112	112	112	116	116	120	120	120	128	128

Next row (BO on RS): k2 tog tbl, k1, pps0, then BO all sts (working sts as they appear) up to last 2 sts, k2 tog, pps0, cut yarn and pull through last st.

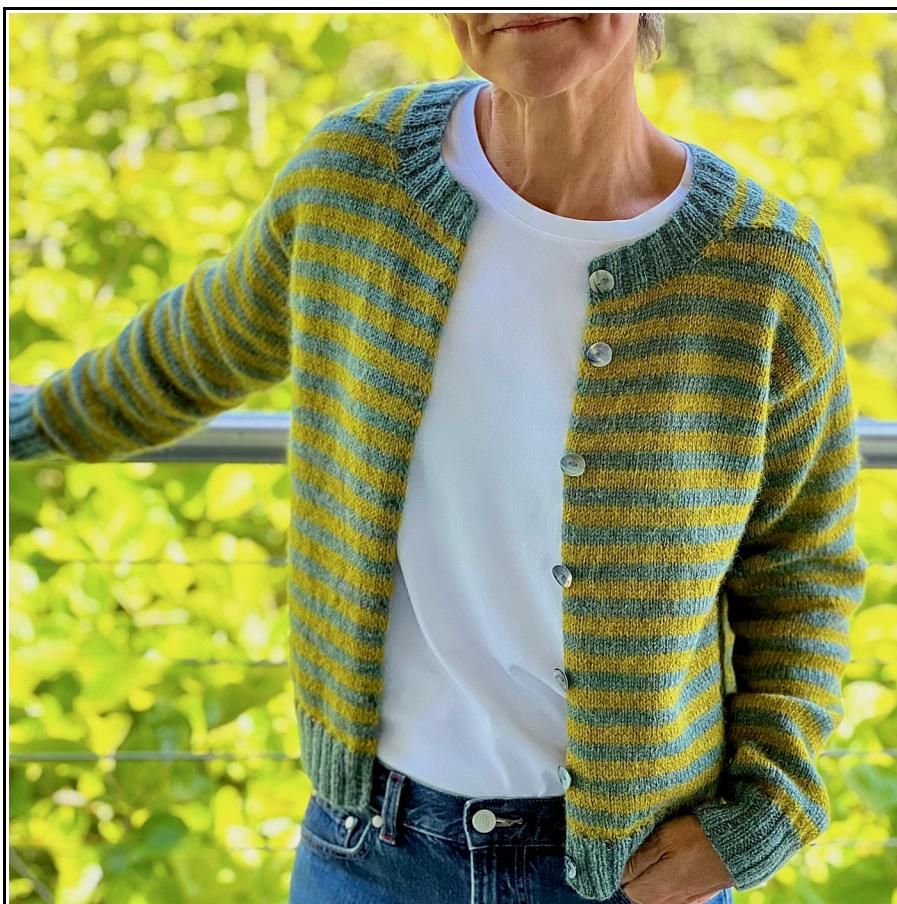
FINISHING

Weave in remaining ends, and close any holes under the arms.

Hand wash and lay flat to dry, or wash and dry as instructed on yarn label.

TIP: When laying flat to dry, pat down the front edges, and place a folded towel on top to help keep the edges flat while drying. Alternatively, edges can be pinned down every few cm (1-2 inches).

Attach buttons to left front, on the stripes corresponding to the ones with buttonholes on the right front.



ABBREVIATIONS

2x2 rib = *k2, p2; repeat from * to end. On following rounds, work sts as they appear.

BO = bind off

BOR = beginning of rounds

C1 = colour 1

C2 = colour 2

CO = cast on

dec('d)(s) = decrease(d)(s)

est = established

inc('d)(s) = increase(d)(s)

k = knit

LH = left hand

m1l = make one left knitwise: with RH needle lift strand between needles onto LH needle so the right side of it is at the front, then knit into the back of it

m1r = make one right knitwise: with RH needle lift strand between needles onto LH needle so the left side of it is at the front, then knit into the front of it

m1l-p = make one left purlwise: with RH needle lift strand between needles onto LH needle so the right side of it is at the front, then purl into the back of it

m1r-p = make one right purlwise: with RH needle lift strand between needles onto LH needle so the left side of it is at the front, then purl into the front of it

p = purl

pm = place marker

ppso = pass previous st over

RH = right hand

RS = right side

sl = slip

sm = slip marker

SSE = slipped stitch edge, worked over 3 sts - RS rows: k1, sl1 wyif, k1; WS rows: sl1 wyif, k1, sl1 wyif

ssk = slip 2 sts separately as if to knit, then knit together through back loops

st st = stocking stitch - if working flat: knit on RS, purl on WS; if working in the round: knit all

st(s) = stitch(es)

tbl = through back loop(s)

tog = together

WS = wrong side

wyif = with yarn in front

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BUTTONHOLE PLACEMENT

The diagram below represents the buttonhole placement for each size, in relation to the collar, stripes beginning at the middle of the front, and lower ribbing.

All buttonholes, except for the ones in the ribbing, are made in the third row of a C1 stripe.

TIP: If you are changing the number of stripes in the cardigan, you may wish to reposition the buttonholes.