Waffle Cardigan

Sizes: XS (S, M, L, XL, 2XL, 3XL, 4XL)

Finished measurements: Length from shoulder to edge: approx. 52 (54, 56, 58, 62, 66, 68, 70) cm [20½ (21¼, 22, 22¾, 24½, 26, 26¾, 27½)]"; circumference at bust: approx. 95 (104, 114, 123, 132, 140, 149, 158) cm [(37¼ (41, 45, 48½, 52, 55, 58½ , 62¼)]" to fit following circumference of body: aprox. 76-85 (86-94, 95-104, 105-113, 114–122, 123-130, 131-139, 140-148) cm [30-33½ (33¾-37, 37½-41, 41¼-44½ , 44¾–48, 48½ -51¼, 51½ -54¾, 55-58¾)]"; sleeve length from underarm to cuff: approx. 45 (47, 46, 44, 42, 42, 42, 42) cm [17¼ (17⅕, 18, 17½, 17¾, 17¾, 17¾, 17¾)]"

Yarn: 3 strands together of Knitting for Olive Soft Silk Mohair (70% mohair, 30% silk; 225 m [246 yd] per 25 gr [0.88 oz]) lace yarn; 10 (11, 12, 12, 13, 15, 17, 19) balls

Sample is in size M, in Knitting for Olive Soft Silk Mohair, Mushroom Rose colorway

Needles: 4 mm / US6 and 5.5mm / US9 80 cm [32"] circular needles and double-pointed needles, in size to obtain gauge *and* a spare 4 mm / US6 80 cm [32"] circular needle

Gauge: 15.5 sts and 23 rows = 10 cm [4"] in Waffle stitch repeat after blocking (see Yoke Chart A, B or C) with 5.5 mm / US9 needle and 3 strands together

Notions: Stitch holders or waste yarn, stitch markers, tapestry needle, length of waste yarn for Provisional cast-on method, 6 buttons in 16 mm [⅝"] diameter

Special techniques:

Our Knitting for Olive tutorials clearly demonstrate the special techniques used in the Waffle Cardigan (in Danish):

- Judy's magic cast-on: http://knitty.com/ISSUEspring06/FEATmagiccaston.html
[Knitting for Olive tutorial: https://www.youtube.com/watch?v=CBcqzggnk28]
- Provisional cast-on with waste yarn: https://www.youtube.com/watch?v=MhPVrc9j2vc&t=16s
- M1R and M1L increases on the knit side: https://www.youtube.com/watch?v=n4bAF8eMcvM&t=18s
- M1Lp increase on the purl side: https://www.youtube.com/watch?v=muQPFIxpD84&t=2s
- German short rows: https://www.youtube.com/watch?v=9encEthft8E&t=78s
- Italian bind-off: https://www.youtube.com/watch?v=OzHgm6Gmhyc&t=6s

Constructions notes:
Our Waffle Cardigan, the sister pattern of our Waffle Sweater, is knit in pure silk mohair, soft and light, and features an easy-to-make allover eyelet ribbing design that is neatly finished at the hems with ribbed neckline and edges. The all-around relaxed ease at the body and sleeves enhances the cardigan's airy texture.

The Waffle cardigan is worked from the top down with 3 strands of our Soft Silk Mohair held together.   You begin with the seamless double neckband, then work some short-row shaping to raise the back neckline. The buttonbands are worked at the same time as the fronts, and the raglan construction adds an element of design to the lace pattern. The length of the body and sleeves can be easily adjusted.

Waffle Cardigan stitch patterns are charted only.

The Waffle Cardigan is designed with a positive ease, meaning that the circumference of the cardigan is supposed to be bigger than the circumference of your body. When choosing which size to knit you can choose to use "circumference of body" as a reference. For example if your chest circumference is 98 cm [38½"], you should choose size M in order to obtain the positive ease intended for this design.

Waffle chart notes:
The Waffle Yoke Charts (Chart A, B and C) show the interplay between the Waffle stitch pattern repeat ("Waffle stitch repeat" in charts) and the raglan shaping. The Waffle stitch pattern is easily memorized, and is repeated a different number of times depending on cardigan section and size. As stitches increase, you incrementally work additional repeats throughout the yoke as required.
Please note that buttonbands aren't charted.
When working back and forth, read odd-numbered RS rows from right to left, and even-numbered WS rows from left to right. When working in the round, read charts from right to left.

Cast on

Note: The seamless double Neckband is constructed in one step by using "Judy's magic cast-on" method. The "Provisional cast-on with waste yarn", requiring several steps, can be used as an alternative cast-on method

Judy's magic cast-on
See Special Techniques
With two 4 mm / US6 needles and 3 strands of Soft Silk Mohair held together, cast on 97 sts on each needle using the "Judy's magic cast-on" technique = 194 sts
Round 1: Using the Magic Loop method, k97 (outside of neckband), pm, k97 tbl (inside of neckband), pm for BOR

Continue to Ribbed Neckband

Provisional cast-on with waste yarn
See Special Techniques

With 4 mm / US6 needle and 3 strands of Soft Silk Mohair held together, cast on 97 sts using "Provisional cast-on with waste yarn"
Set up: K to end of row (outside of neckband), pm, slide spare 4 mm / US6 needle alongside waste yarn, and pick up 97 live sts. Remove provisional waste yarn. With your primary needle, and using the Magic Loop method, k these 97 sts tbl (inside of neckband), pm for BOR = 194 sts
Remove spare needle

Ribbed Neckband
Note: Work neckband stitches in the round using Magic Loop method as established
Round 1: *(k1, p1) to 1 st before marker, k1, sm; repeat from * one more time
Repeat Round 1 two more times
Buttonhole Round: (k1, p1) to 5 sts before marker, sl1k, k1, psso, yo (= buttonhole), k1, p1, k1, sm, k1, p1, k1, yo (= buttonhole), k2tog, (p1, k1), to BOR marker
Work 3 rounds in rib pattern as established (purl yarnovers in first round)
Next round: Work in rib pattern as established to 1 st before BOR marker, slip last st to front of work (outside of neckband)

Finish neckband
With spare 4 mm / US6 needle, and holding the working needles parallel in your left hand, with outside of neckband sts facing, work sts together as follows:
K1, remove BOR marker, k1, purl next st on front needle together with first st on back needle, *k next st on front needle together with next st on back needle, p next st on front needle together with next st on back needle; repeat from * to last st on front and back needles, k last st on front needle, remove marker, k last st on back needle = 99 sts

Yoke
Note: Work throughout 7-stitch buttonband and 8-stitch buttonhole band at beginning and end of each row as follows:
On RS: Sl1p wyib, (k1, p1) 3 times, (7 buttonband sts) work in pattern to last 8 sts, (k1, p1) three times, sl1p wyib, p1 (8 buttonhole band sts)

On WS: Sl1p wyib, (p1, k1) 3 times, p1 (8 buttonhole band sts), work in pattern to last 7 sts, (k1, p1) twice, k1, sl1p wyif, p1 (7 buttonband sts)
Change to 5.5 mm / US9 needle
Set-up Row (WS): Sl1p wyib, (p1, k1) 3 times, p1 (8 buttonhole band sts), pm, *k2, p1, k2, p1; repeat from * 1 more time, pm, repeat from * 3 times, pm, repeat from * 4 times, pm , repeat from * 3 times, pm, repeat from * 2 times, pm, (k1, p1) twice, k1, sl1p wyif, p1 (7 buttonband sts)

Short Rows and Raglan shaping
Note: Work double stitches as 1 stitch (see Special techniques)
Short Row 1 (inc row) (RS): Work 7 sts for buttonband as established, sm, *k1, p2, yo, k1, p2; repeat from * 1 more time, M1R, sm, k1, M1L, p2, yo, k1, p2; repeat from * 2 times, M1R, sm, k1, M1L, p2, yo, k1, p2; repeat from * 3 times, M1R, sm, k1, M1L, p2, yo, k1, p2; repeat from * 2 times, M1L, sm, k1, M1L, p1, tw [20 sts increased]
Short Row 2 (WS): Ds, p2, sm, p1, *work sts as they appear (knit the knits, and purl the purls and yarnovers) to 2 sts before next marker, p2, sm, p1; repeat from * 2 more times, k1, tw
Short Row 3 (RS): Ds, k1, M1R, sm, k1, M1L, *k1, p2, k2tog, yo, p2; repeat from * 2 more times, k1, M1Rp, sm, k1, M1L; repeat from * 4 times, k1, M1Rp, sm, k1, M1L; repeat from * 3 times, k1, M1Rp, sm, k1, M1L, k1, p ds, p1, tw [8 sts increased]
Short Row 4 (WS): Ds, k1, p1, k1, p1, sm, *k1, p1, work sts as they appear (knit the knits, and purl the purls and yarnovers) to 3 sts before next marker, p1, k1, p1, sm; repeat from * 2 more times, k1, p1, k ds, k1, tw
Row 5 (RS): Ds, p1, k1, p1, M1R, sm, k1, M1L, p1, *k1, p2, yo, sl1k, k1, psso, p2; repeat from * 2 more times, k1, p1, M1R, sm, k1, M1L, p1; repeat from * 4 times, k1, p1, M1R, sm, k1, M1L, p1; repeat from * 3 times, k1, p1, M1R, sm, k1, M1L, p1; *k1, p1, p ds, yo, k1, p2, k1, p2, yo, k1, p2, sm, work 8 sts for buttonhole band as established [10 sts increased] = 137 sts
Next Row (WS): Work 8 sts for buttonhole band as established, sm, work sts as they appear to last marker, sm, work 7 sts for buttonband as established

Waffle Yoke Charts (be sure to read the Waffle chart notes before continuing)
Note: Work throughout a buttonhole row on the RS every 18 (18, 20, 20, 22, 24, 26, 26) rows <u>from the first buttonhole in neckband</u>, as follows:
Buttonhole Row (RS): Work in pattern to last 6 sts, sl1k, k1, psso, yo (= buttonhole), work sts as they appear to end of row
Set-up Row (RS): Work 7 sts for buttonband as established, sm, work Row 1 of Chart A to next marker, sm, *work Row 1 of Chart B to next marker, sm; repeat from * 2 more times, work Row 1 of Chart C to marker, sm, work 8 sts for buttonhole band as established [8 sts increased] = 145 sts
Maintaining button and buttonhole bands throughout, and working buttonholes as established, beginning with Row 2, and ending with Row 28, work Waffle Yoke Charts A-B-C as set [104 sts increased] = 249 sts

Sizes 2XL, 3XL and 4XL only
Maintaining button and buttonhole bands throughout, and working buttonholes as established, beginning with Row 1, and ending with Row 28, work Waffle Yoke Charts A-B-C as set [- (-, -, -, -, 112, 112, 112) sts increased] = - (-, -, -, -, 361, 361, 361) sts

All sizes
Maintaining button and buttonhole bands throughout, and working buttonholes as established, beginning with Row 1 and ending with Row 3 (7, 11, 17, 23, 1, 7, 13), work Waffle Yoke Charts A-B-C as set [16 (32, 48, 72, 96, 8, 32, 58) sts increased] = 265 (281, 297, 321, 345, 369, 393, 417) sts

Divide body and sleeves
Divide Row: *Work sts as they appear to marker (knit the knits, purl the purls and yarnovers), place next 59 (63, 67, 73, 79, 85, 91, 97) sleeve sts on waste yarn or stitch holder, CO 4 (7, 10, 11, 12, 13, 14, 15) underarm sts; repeat from * 1 more time, work sts as they appear to end of row = 155 (169, 183, 197, 211, 225, 239, 253) sts

Body
Maintaining button and buttonhole bands throughout, and working buttonholes as established, beginning with Row 1 and ending with Row 2 or 4, work Chart D (D, D, E, D, E, D, E) until body measures 45 (47, 49, 51, 55, 59, 61, 63) cm [17¾ (18⅕, 19½, 20, 21¾, 23¼, 24, 24¾)]" from shoulder – or desired length
Next Row (dec row) (RS): Work in pattern as established to end of row and *AT THE SAME TIME* skip and do not work the yarnovers in pattern [20 (22, 24, 26, 28, 30, 32, 34) sts decreased] = 135 (147, 159, 171, 183, 195, 207, 219) sts

Ribbed Edge
Change to 4 mm / US6 needle
Row 1 (WS): Work 8 sts for buttonhole band, sm, (k1, p1) to marker, sm, work 7 sts for button band
Maintaining button and buttonhole bands throughout, work sts as they appear for 8 more rows, ending with a WS row
Buttonhole Row (RS): Work 7 sts for buttonband, work sts as they appear to last 6 sts, sl1k, k1, psso, yo (= buttonhole), work sts as they appear to end of row
Maintaining button and buttonhole bands throughout, work sts as they appear (knit the knits and yarnover, purl the purls) for 6 more rows, ending with a WS row
Next row (RS): Sl2k, return 2 slipped sts to left needle, p2tog tbl, work sts as they appear to last 2 sts, p2tog
Bind off using Italian bind-off

Sleeves
Transfer 59 (63, 67, 73, 79, 85, 91, 97) sleeve sts from waste yarn onto 5.5 mm / US9 double-pointed needles Distribute sts evenly across needles
Set-up Round: Beginning with Round 4 and stitch 3, (1, 6, 3, 7, 4, 1, 5) work Chart D (D, D, E, D, E, D, E) across sleeve sts, and pick up and knit 4 (7, 6, 8, 10, 12, 14, 16) underarm sts from CO edge. Join for working in the round, and place BOR marker = 63 (70, 73, 81, 89, 97, 105, 113) sts
Size M, L, XL, 2XL, 3XL and 4XL only:
Next Round (dec round): Work in pattern as established to last - (-, 6, 8, 10, 12, 14, 16) sts, k2tog to end of round [- (-, 3, 4, 5, 6, 7, 8) sts decreased] = - (-, 70, 77, 84, 91, 98, 105) sts
All sizes:
Work in pattern as established until sleeve measures 38 (39, 40, 39, 38, 36, 36, 36) cm [15 (15¼, 15¾, 15¼, 15, 14¼, 14¼, 14¼)]" or desired length, ending with Round 2 or 4 of Chart D (D, D, E, D, E, D, E)
Cuffs
Change to 4 mm / US6 double-pointed needles
Size XS only:
Dec Round: P1, k2tog, p2tog, *k1, p2tog, k2tog, p2tog; repeat from * to last 2 sts, k1, remove BOR marker, work last st and first st of next round as k2tog, and place marker for new BOR [27 sts decreased] = 36 sts
Size S only:
Dec Round: *K1, p2tog, k2tog, p2tog; repeat from * to end of round [30 sts decreased] = 40 sts
Size M only:
Dec Round: P2tog, *K1, p2tog, k2tog, p2tog; repeat from * to last 5 sts, k1, p2tog, k2tog [30 sts decreased] = 40 sts
Size L only:

Dec Round: P1, k2tog, p2tog, *k1, p2tog, k2tog, p2tog; repeat from * to last 2 sts, k1, remove BOR marker, work last st and first st of next round as k2tog, and place marker for new BOR [33 sts decreased] = 44 sts
Size XL only:
Dec Round: P1, *k1, p2tog, k2tog, p2tog; repeat from * to last st, remove BOR marker, work last st and first st of next round as k2tog, and place marker for new BOR [36 sts decreased] = 48 sts
Size 2XL only:
Dec Round: *K2tog, p2tog, k1, p2tog; repeat from * to end of round [39 sts decreased] = 52 sts
Size 3XL only:
Dec Round: *K1, p2tog, k2tog, p2tog; repeat from * to end of round [42 sts decreased] = 56 sts
Size 4XL only:
Dec Round: K1, p2tog, *k1, p2tog, k2tog, p2tog; repeat from * to 4 sts left, k1, p2tog and knit last st tog with first st on next round [45 sts decreased] = 60 sts

All sizes:
Next round: (K1, p1) in rib pattern as established to end of round
Repeat last round until cuff measures 6 cm [2¼"]
Bind off loosely in rib pattern
Work second sleeve the same

Finishing
Weave in all loose ends. Sew buttons to buttonband opposite to buttonholes
Block

We hope you enjoy knitting the Waffle Cardigan!
We would love to see your finished projects! If you would like to share your work with us on Instagram, please use the hashtag #knittingforolive or tag us @knittingforolive

Abbreviations

Approx. – approximately
BOR – beginning of round
K – knit
P – purl
Dec – decrease
Inc – increase
Ds – double stitch (for German short-row technique)
Yo – yarn over
K2tog – knit 2 stitches together [1 stitch decreased]
M1L – make 1 new left twist stitch on the knit side: insert right needle, from back to front, under the bar running between first stitch on left needle and last stitch on right needles, pick up bar and knit this stitch into the back loop [1 stitch increased]
M1R – make 1 new right twist stitch on the knit side: insert right needle, from front to back, under the bar running between first stitch on left needle and last stitch on right needle, pick up bar in twisted position and knit this stitch [1 stitch increased]
M1Lp – make 1 new left purl twist st on the wrong side: insert right needle, from front to back, under the bar running between first st on left needle and last stitch on right needle, pick up bar in twisted position and purl this stitch [1 stitch increased]
M1Rp – make 1 new right purl twist stitch on the wrong side: insert right needle, from back to front, under the bar running between first st on left needle and last stitch on right needle, pick up bar and purl this stitch through the back loop [1 stitch increased]
Pm – place marker
P2tog – purl 2 stitches together [1 stitch decreased]
Psso – pass slipped stitch(es) over
Rm – remove marker
RS – right side
WS – wrong side
Sm – slip marker
Sl1k – slip 1 stitch knitwise
Sl2k – slip 2 stitches together knitwise
St/sts – stitch/stitches
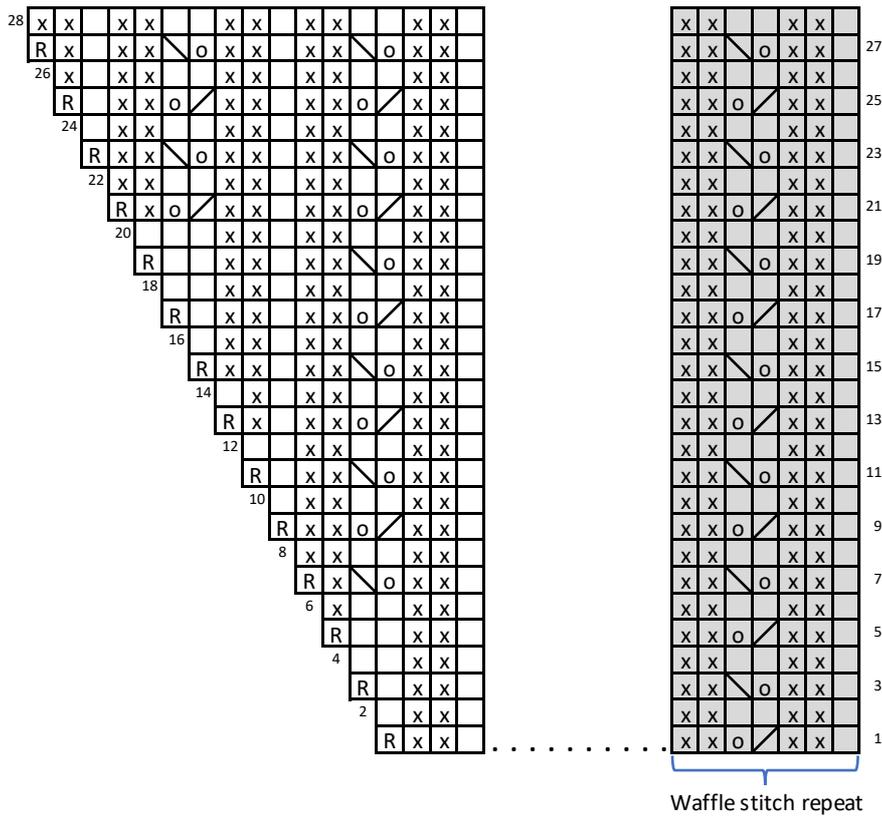St st – stockinette stitch
Tbl – through the back loop
Tw – turn work (for German short-row technique)
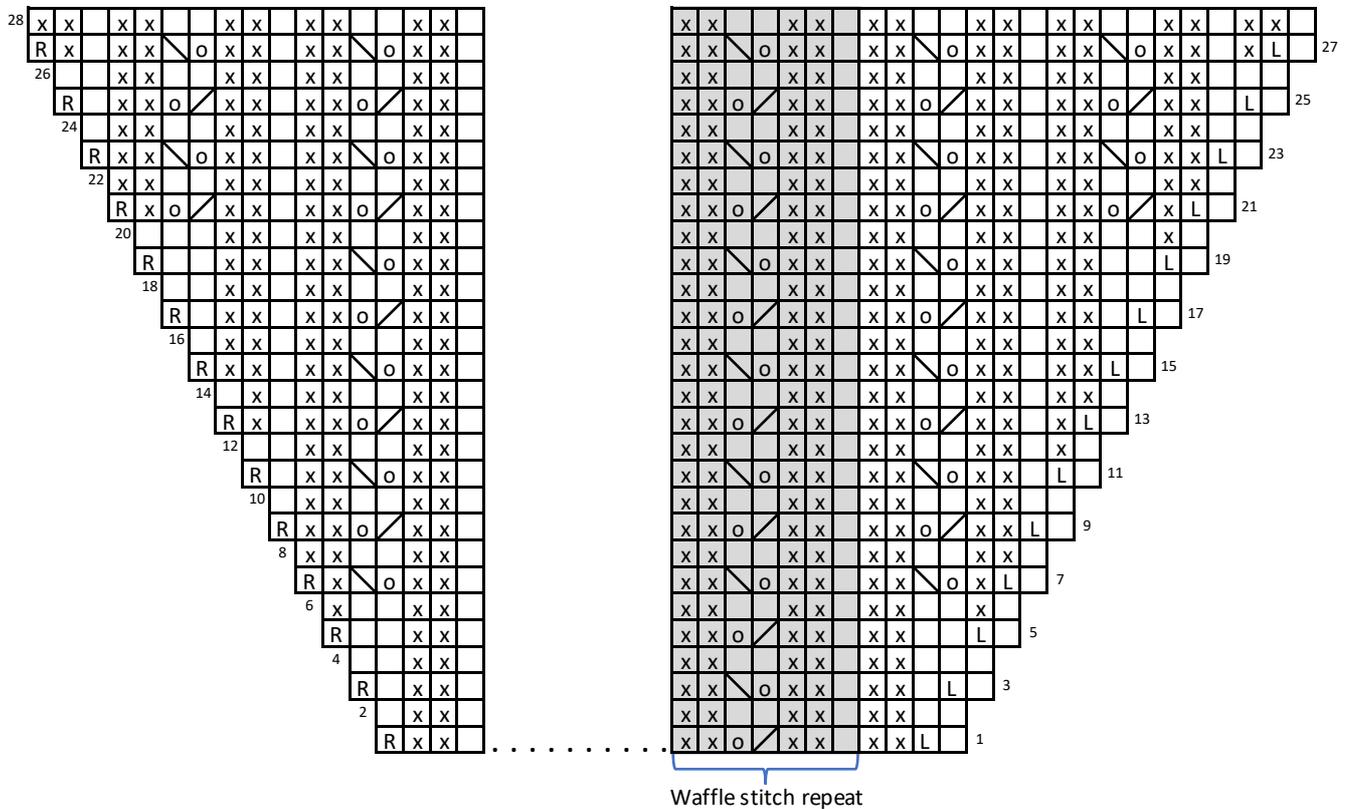Wyib – with yarn in back
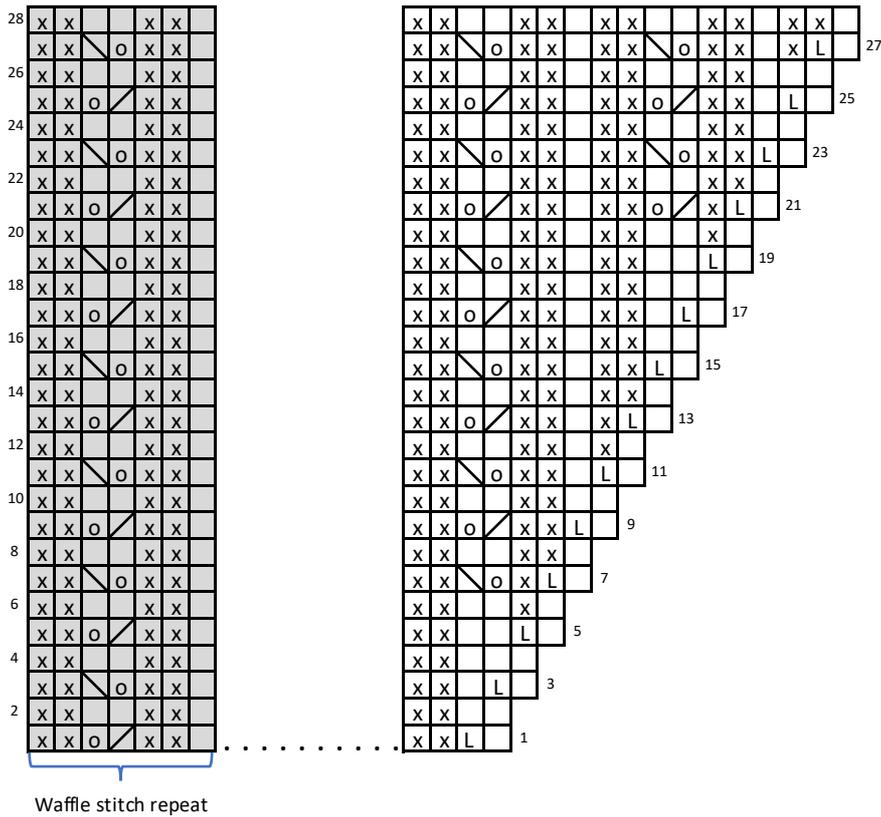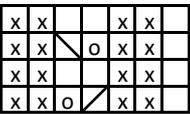Wyif – with yarn in front

Charts

Yoke Chart A - Left front

Waffle stitch repeat

Yoke Chart B - Sleeves and back

Waffle stitch repeat

Yoke Chart C - Right front

Waffle stitch repeat

Chart D - body and sleeves

Chart E - body and sleeves

Key
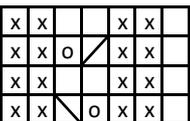
☐	On RS: K On WS: P
x	On RS: P On WS: K
o	Yo
◹	Sl1k, k1, psso
◸	K2tog
R	M1R
L	M1L
....	Repeat Waffle stitch repeat as required