

Designed by Kineco

Kumiko



Kumiko -組子- is a traditional Japanese woodworking technique of assembling intricate wooden pieces without nails. This pullover features a stitch pattern inspired by a classic Kumiko motif called 'Mikado' (帝つなぎ). The front and back panels are worked flat, then joined to work the Kumiko pattern in the round. After working each side from the pattern, the sides are joined using the I-cord Join, and then the sleeves are worked in the round. Finally, the neck and hem are picked up and knitted in the round.

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UPDATE HISTORY

2026-08-01 Full pattern text published on this page.

2020-07-01 Initial release.

YARN

Main Color :

MADELINTOSH Tosh Merino Light [100g / 384m / 100% Merino wool]
col.Citrus approximately 1421m / 370g

Contrast Color :

SnailYarn Merino Singles Fingering [100g / 355m / 100% Merino wool]
col.Koi approximately 110m / 30g

NEEDLES

3.3mm / JP4 circular needle

3.0mm / JP3 circular needle

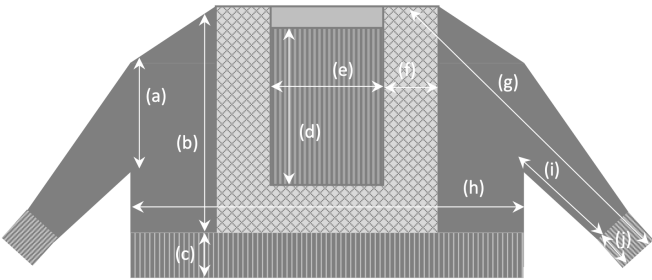
GAUGE

27 sts and 48 rows = 10cm
In  **Chart E** with 3.3mm / JP4 needle

NOTIONS

- Stitch markers
- Holders
- Cable needle
- Crochet hook (for provisional crochet cast on)
- Scrap yarn (for provisional crochet cast on)

MEASUREMENTS



a 17cm	b 45cm	c 9cm	d 29cm	e 17cm
f 10.5cm	g 65cm	h 60cm	i 30cm	j 8.5cm

Finished body circumference approximately 120cm

ABBREVIATIONS

- R: Row / Round
- RS: Right Side
- WS: Wrong Side
- MC: Main Color yarn

- CC: Contrast Color yarn
- CO: Cast on
- BO: Bind off
- BOR: Beginning Of Round
- st(s): stitch(es)
- []: repeat []
- bef: before
- inc: increase
- dec: decrease
- MM: Main Marker
- M: Marker
- S(M)M: Slip (Main) Marker
- P(M)M: Place (Main) Marker
- R(M)M: Remove (Main) Marker
- K: Knit
- P: Purl
- SSK: Slip, Slip, Knit 2 stitches together through back loop
- K2tog: Knit 2 stitches together
- SSP: Slip, Slip, Purl 2 stitches together through back loop
- P2tog: Purl 2 stitches together
- Sl: Slip stitch purlwise
- tbl: through back loop
- wyib: with yarn held in back
- wyif: with yarn held in front
- M1R: Make 1 stitch knit Right leaning stitch
- M1L: Make 1 stitch knit Left leaning stitch
- RN: Right Needle
- LN: Left Needle
- Chart A (B / C / D): Work Chart A (B / C / D)
- 1/1 RT: Sl1 to cable needle hold in back, K1, K1 from cable needle
- 1/1 LT: Sl1 to cable needle hold in front, K1, K1 from cable needle
- 1/1 RT Purl: Sl1 to cable needle hold in back, K1, P1 from cable needle
- 1/1 LT Purl: Sl1 to cable needle hold in front, P1, K1 from cable needle

INSTRUCTION FOR BODY

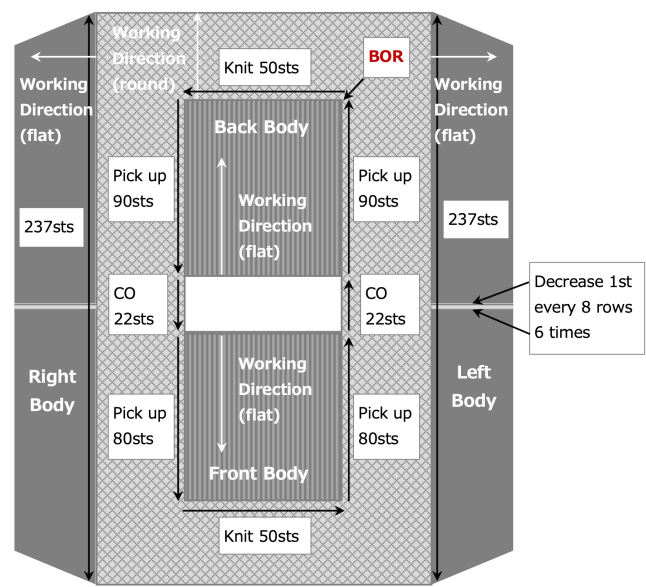


CHART A / B / C FOR BODY

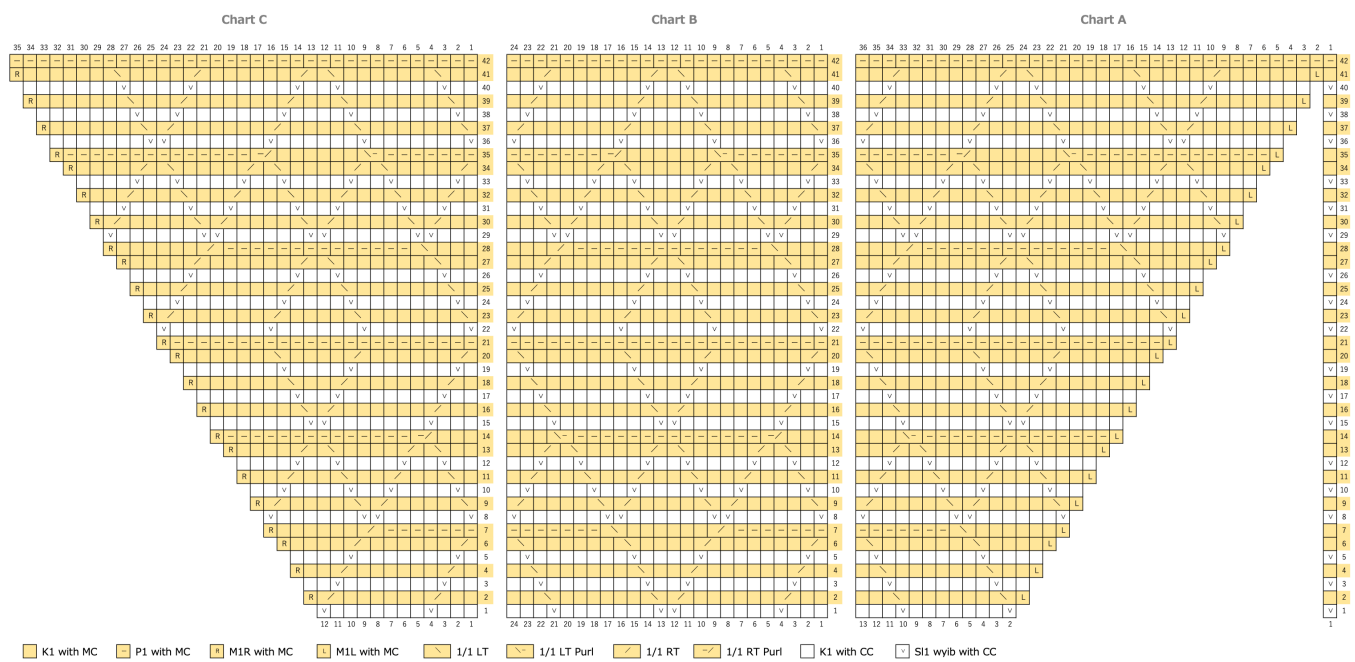
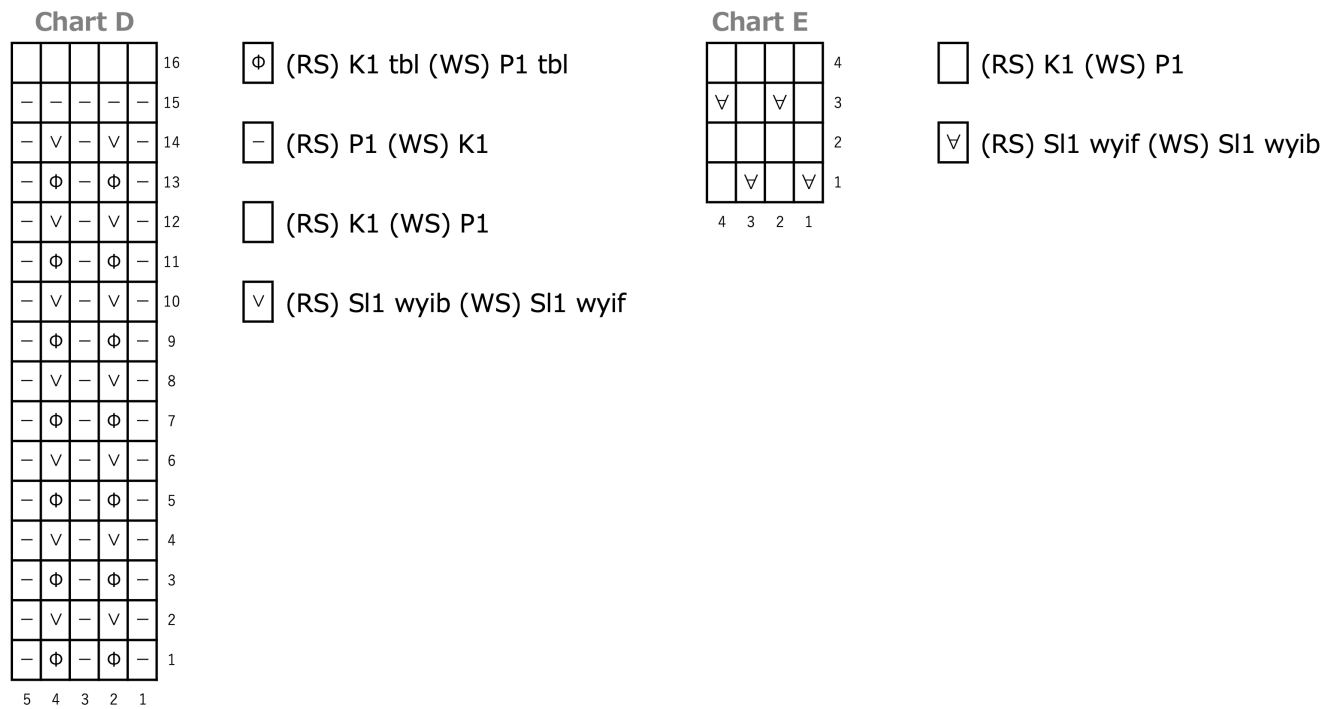


CHART D / E FOR RIGHT / LEFT BODY AND SLEEVE



SEC.1: FRONT BODY

Use 3.0mm / JP3 circular needle and MC
Work Front Body flat

- R1(RS): CO50 using Crocheted Provisional Cast On, Turn
- R2(WS): K to End, Turn
- R3(RS): K to End, Turn
- R4(WS): K2, [Sl1 wyif, K2] to End, Turn
- R5(RS): P2, [K1 tbl, P2] to End, Turn
- R6-119: [R4-5] 57 times
- R120(WS): R4

Break Yarn and Place 50 sts for Front Body on a holder

SEC.2: BACK BODY

Use 3.0mm / JP3 circular needle and MC
Work Back Body flat

- R1(RS): CO50 using Crocheted Provisional Cast On, Turn
- R2(WS): K to End, Turn
- R3(RS): K to End, Turn
- R4(WS): K2, [Sl1 wyif, K2] to End, Turn
- R5(RS): P2, [K1 tbl, P2] to End, Turn

R6-133: [R4-5] 64 times

R134(WS): R4

Don't Break Yarn and Continue to Sec.3

SEC.3: BODY (COLOR WORK)

Change to 3.3mm / JP4 circular needle

Work Body in the round (See [↻ Instruction](#))

SetUp1(MC): [K2, K1 tbl] to 2 sts bef End, K2, Pick up (2 sts per 3 rows) and knit 90 sts from the right side of Back Body,

CO22 using Crocheted Provisional Cast On, Pick up (2 sts per 3 rows) and knit 80 sts from the right side of Front Body,

Place 50 sts for Front Body on a needle, [K2, K1 tbl] to 2 sts bef End, K2,

Pick up (2 sts per 3 rows) and knit 80 sts from the left side of Front Body, CO22 using Crocheted Provisional Cast On,

Pick up (2 sts per 3 rows) and knit 90 sts from the left side of Back Body, PMM for BOR, Join to work in the round

> 484 sts in total

SetUp2(MC): SMM, P13, PM, P24, PM, P12, PM, P13, PM, P168, PM, P12, PM, P13, PM, P24, PM, P12, PM, P13, PM, P168, PM, P12

Join CC and Start [↻ Chart](#)

R1-42: SMM, Chart A, SM, Chart B, SM, Chart C, SM, Chart A, SM, [Chart B] 7 times, SM, Chart C, SM, Chart A, SM, Chart B, SM, Chart C, SM, Chart A, SM, [Chart B] 7 times, SM, Chart C

> 184 sts inc, 668 sts in total

Break CC and Continue to Sec.4

SEC.4: LEFT BODY

Work Left Body flat

SetUp(WS): RMM, Turn, K2, P to M, RM, P81, PM, P2, P2tog, P2, PM, P to M, RM, P to 3 sts bef M, K2,

Place the next 96 sts for Front Body on a holder with all markers removed,

Place the next 238 sts for Right Body on a holder with all markers removed,

Place the next 96 sts for Back Body on a holder with all markers removed, Turn

> 237 sts in total, 116 sts each between End and M

Start [↻ Chart](#) and **Start Decreases (every 8 rows)**

R1(RS): P2, K to 2 sts bef M, K2tog, SM, Chart D, SM, SSK, K to 2 sts bef End, P2, Turn

> Start with R1 of Chart D, 2 sts dec, 235 sts in total, 115 sts each between End and M

R2(WS): K2, [P1, Sl1 wyib] to 1 st bef M, Sl1 wyif, SM, Chart D, SM, Sl1 wyif, [Sl1 wyib, P1] to 2 sts bef End, K2, Turn

R3(RS): P2, K to M, SM, Chart D, SM, K to 2 sts bef End, P2, Turn

R4(WS): K2, [Sl1 wyib, P1] to 1 st bef M, Sl1 wyif, SM, Chart D, SM, Sl1 wyif, [P1, Sl1 wyib] to 2 sts bef End, K2, Turn

R5(RS): R3

R6-8: R2-4

R9(RS): R1

> 2 sts dec, 233 sts in total, 114 sts each between End and M

R10(WS): K2, [P1, Sl1 wyib] to 2 sts bef M, P1, Sl1 wyif, SM, Chart D, SM, Sl1 wyif, [P1, Sl1 wyib] to 3 sts bef End, P1, K2, Turn

R11(RS): R3

R12(WS): K2, [Sl1 wyib, P1] to 2 sts bef M, Sl1 wyib, Sl1 wyif, SM, Chart D, SM, Sl1 wyif, [Sl1 wyib, P1] to 3 sts bef End, Sl1 wyib, K2, Turn

R13(RS): R3

R14-16: R10-12

R17-48: [R1-16] 2 times

> End with R16 of Chart D, 8 sts dec, 225 sts in total, 110 sts each between End and M

Don't Break Yarn and Continue to Sec.5

SEC.5: LEFT SIDE JOIN

Join Front and Back at the left side of the body using **I-cord Join** method

Place Front side sts on LN needle with RS facing, CO3 using Knitted cast on method

Place Back side sts on RN needle with RS facing

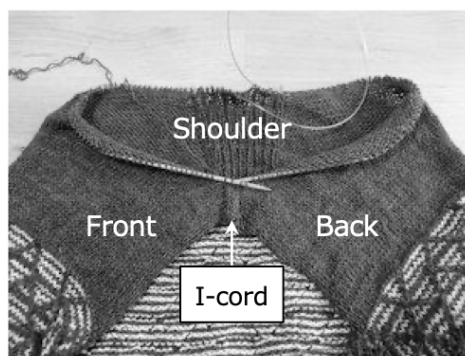
[Slip 1 stitch from RN onto LN, K2tog, K1, SSK, Slip 3 stitches from RN onto LN] 63 times

Slip 1 stitch from RN onto LN, K2tog, K1, SSK, Slip 1 stitch from RN onto LN

> 3 sts of I-cord and 97 sts of the body remain, 100 sts in total

Don't Break Yarn and Continue to Sec.6

INSTRUCTION FOR SIDE JOIN



SEC.6: SLEEVE

Work Sleeve in the round with MC

R1: PMM for BOR, Join to work in the round, SSK, K to 2 sts bef M, K2tog, SM, Chart D, SM, SSK, K to 3 sts bef MM, K2tog, P1

> Start with R1 of Chart D, 4 sts dec, 96 sts in total

R2: SMM, [K1, Sl1 wyif] to 1 st bef M, Sl1 wyib, SM, Chart D, SM, Sl1 wyib, [Sl1 wyif, K1] to 1 st bef MM, P1

R3: K to M, SM, Chart D, SM, K to 1 st bef MM, P1

R4: SMM, [Sl1 wyif, K1] to 1 st bef M, Sl1 wyib, SM, Chart D, SM, Sl1 wyib, [K1, Sl1 wyif] to 2 sts bef MM, K1, P1

R5: R3

R6-8: R2-4

R9-16: [R5-8] 2 times

> End with R16 of Chart D

Start Decreases (every 16 rows)

R17: SMM, K to 2 sts bef M, K2tog, SM, Chart D, SM, SSK, K to 1 st bef MM, P1

> Start with R1 of Chart D, 2 sts dec, 94 sts in total

R18: SMM, [K1, Sl1 wyif] to 2 sts bef M, K1, Sl1 wyib, SM, Chart D, SM, Sl1 wyib, [K1, Sl1 wyif] to 2 sts bef MM, K1, P1

R19: R3

R20: SMM, [Sl1 wyif, K1] to 2 sts bef M, Sl1 wyif, Sl1 wyib, SM, Chart D, SM, Sl1 wyib, [Sl1 wyif, K1] to 2 sts bef MM, Sl1 wyif, P1

R21: R3

R22-24: R18-20

R25-32: [R21-24] 2 times

R33: R17

> Start with R1 of Chart D, 2 sts dec, 92 sts in total

R34-48: R2-16

R49-112: [R17-48] 2 times

> End with R16 of Chart D, 8 sts dec, 84 sts in total

R113-126: R17-30

> End with R14 of Chart D, 2 sts dec, 82 sts in total

SEC. 7: CUFF

Change to **3.0mm / JP3** circular needle

Work Cuff **in the round**

R1: SMM, P to M, RM, P to M, RM, P to MM

R2: SMM, K3, K2tog, [K2, K2tog] to 5 sts bef MM, K3, K2tog

> 20 sts dec, 62 sts in total

R3-27: SMM, [K1 tbl, P1] to MM

R28: BO all stitches knitwise

SEC. 8: RIGHT BODY

Use **3.3mm / JP4** circular needle and **MC**

Work Right Body **flat**

SetUp(WS): Place 238 sts for Right Body on a needle with **WS facing**, Join yarn, K2, P114, PM, P2, P2tog, P2, PM, P to 2 sts bef End, K2, Turn

> 237 sts in total, 116 sts each between End and M

Work the same as R1 to R48 of Sec.4

Don't Break Yarn and Continue to Sec.9

SEC.9: RIGHT SIDE JOIN

Join Front and Back at the right side of the body using I-cord Join method

Place Back side sts on LN needle with RS facing, CO3 using Knitted cast on method

Place Front side sts on RN needle with RS facing

[Slip 1 stitch from RN onto LN, K2tog, K1, SSK, Slip 3 stitches from RN onto LN] 63 times

Slip 1 stitch from RN onto LN, K2tog, K1, SSK, Slip 1 stitch from RN onto LN

> 3 sts of I-cord and 97 sts of the body remain, 100 sts in total

Don't Break Yarn and Continue to Sec.6

SEC.10: NECK

Use 3.0mm / JP3 circular needle and MC

Work Neck in the round

Remove Crocheted Provisional Cast On stitches of Back Body and Place 50 sts on the needle with WS facing,

Remove Crocheted Provisional Cast On stitches of Right Shoulder and Place 22 sts on the needle with WS facing,

Remove Crocheted Provisional Cast On stitches of Front Body and Place 50 sts on the needle with WS facing,

Remove Crocheted Provisional Cast On stitches of Left Shoulder and Place 22 sts on the needle with WS facing,

With RS facing PM for BOR, Join yarn, Join to work in the round

> BOR is at the left of Back Body, 144 sts in total

R1: Sl1, K20, SSK, K48, K2tog, K20, SSK, K48, K2tog with the marker removed, PM

> 4 sts dec, 140 sts in total

R2: P to M

R3: K to M

R4: BO all stitches purlwise

SEC.11: HEM

Use 3.0mm / JP3 circular needle and MC

Work Hem in the round

Join yarn, Pick up and knit 2 sts from Left I-cord seam, Pick up (2 sts per 3 rows) and knit 34 sts from Left Back Body,

Place 96 sts for Back Body on a needle and K47, K2tog, K47, Pick up (2 sts per 3 rows) and knit 34 sts

from Right Back Body,

PM, Pick up and knit 2 sts from Right I-cord seam, Pick up (2 sts per 3 rows) and knit 34 sts from Right Front Body,

Place 96 sts for Front Body on a needle and K47, K2tog, K47, Pick up (2 sts per 3 rows) and knit 34 sts from Left Front Body,

PMM for BOR, Join to work in the round

> BOR is at the left side, 330 sts in total

R1-30: K2, [P1, K1 tbl] to 1 st bef M, P1, SM, K2, [P1, K1 tbl] to 1 st bef MM, P1

R31: BO all stitches knitwise