## **HELICAL KNITTING WITH RAGLAN SHAPING - KNIT THE SWATCH!**

Knit using fingering weight yarns (blue and light green) or sport weight yarns (lavender and purple) on a US 4 / 3.5 mm needle. I started on a 12" circular and moved up to a 16" circular as the circumference grew. Gauge isn't critical since it's just for practice / learning so you can use whatever you have lying around! You'll want a 6 stitch markers - one unique for the BOR!

## **Abbreviations:**

BOR - beginning of round

CC - Contrast Color

CO - cast on

inc - increase(s/d)

k - knit

LHN - left hand needle

M - Marker

M-A (B, C, D, E) - Marker A (B, C, D, E)

MC - Main Color

M1L - insert the tip of your LHN needle under the running yarn between sts from front to back, knit this new stitch tbl [1 st inc]

M1R - insert the tip of your RHN needle under the running yarn between sts from back to front, knit this new stitch [1 st inc)]

PM - place marker

rep - repeat

RHN - right hand needle

rnd(s) - round(s)

sl - slip stitch purlwise (unless otherwise noted)

sm - slip marker

st(s) - stitches

tbl - through the back loop(s)

wyib - with yarn in back

## **Notes**

I cast on and worked the swatch exactly as written. Once I was done, in order to prevent the edges from rolling, I worked the top and bottom garter edges as follows:

**Bottom Edge (CC):** Immediately following Rnd 22 - knit 1 rnd, purl 1 rnd, knit 1 rnd; bind off all sts purlwise.

**Top Edge (MC):** Using the shorter needle and MC, pick up and knit 82 sts around the cast on edge; knit 1 rnd, purl 1 rnd, knit 1 rnd; bind off all sts purlwise.

## **Begin Swatch**

Using MC, CO 82 sts using the Long Tail cast on. PM for BOR and join to work in the rnd.

**Setup Rnd (MC):** K10, pm (M-A), k15, pm (M-B), k16, pm (M-C), k10, pm (M-D), k15, pm (M-E), knit to end of rnd. [10 sts each sleeve, 31 sts each front & back] **Note:** the BOR M is located at the "back right shoulder" (as worn).

Rnd 1 (join / use CC): \*K1, M1L, knit to 1 st before M-A, M1R, k1, sm, k1, M1L, knit to M-B, sm, sl1 wyib, knit to 1 st before M-C, M1R, k1, sm, k1, M1L, knit to 1 st before M-D, M1R, k1, sm, k1, M1L, knit to M-E, sm, sl1 wyib, knit to last 3 sts. Drop CC. Slip 3 MC sts purlwise, move BOR M to RHN. [7 sts inc; 89 sts total: 12 right sleeve sts, 33 front sts, 12 left sleeve sts, 32 back sts]

Rnd 2 (MC): {Knit to M, sm} 5 times, knit to 3 sts before previous color change. Drop MC. Slip 3 CC sts purlwise. Pick up CC yarn. Knit to 1 st before BOR M, M1R, k1. [1 st inc; 90 sts total: 12 sts each sleeve, 33 sts each front & back1

Rnd 3 (CC): \*K1, M1L, knit to 1 st before M-A, M1R, k1, sm, k1, M1L, knit to M-B, sm, sl1 wyib, knit to 1 st before M-C, M1R, k1, sm, k1, M1L, knit to 1 st before M-D, M1R, k1, sm, k1, M1L, knit to M-E, sm, sl1 wyib, knit to 3 sts before previous color change. Drop CC. Slip 3 MC sts purlwise. Pick up MC yarn. Knit to BOR M, move BOR M to RHN. [7 sts inc; 97 sts total: 14 right sleeve sts, 35 front sts, 14 left sleeve sts, 34 back sts]

Rnd 4 (MC): {Knit to M, sm} 5 times, knit to 3 sts before previous color change. Drop MC. Slip 3 CC sts purlwise. Pick up CC yarn. Knit to 1 st before BOR M, M1R, k1. [1 st inc; 98 sts total: 14 sts each sleeve, 35 sts each front & back]



Rnd 5 (CC): \*K1, M1L, knit to 1 st before M-A, M1R, k1, sm, k1, M1L, knit to M-B, sm, sl1 wyib, knit to 1 st before M-C, M1R, k1, sm, k1, M1L, knit to 1 st before M-D, M1R, k1, sm, k1, M1L, knit to M-E, sm, sl1 wyib. Drop CC. Slip 3 MC sts purlwise. Pick up MC yarn. Knit to BOR M, move BOR M to RHN. [7 sts inc; 105 sts total: 16 right sleeve sts, 37 front sts, 16 left sleeve sts, 36 back sts]

\*\*Note: on this round we just completed, you'll notice that there were 3 MC stitches and a slipped stitch following the marker. So it's essentially slipping 4 stitches. This is worked into the next rounds so don't worry that we have a 4-stitch slip instead of a 3-stitch slip. This is just a function of incorporating slipped stitches into a pattern.:)

Rnd 6 (MC): {Knit to M, sm} 4 times, knit to 3 sts before previous color change. Drop MC. Slip 3 CC sts purlwise. Pick up CC yarn and slip marker E. Sl1 wyib, knit to 1 st before BOR M, M1R, k1. [1 st inc; 106 sts total: 16 sts each sleeve, 37 sts each front & back]

Rnd 7 (CC): \*K1, M1L, knit to 1 st before M-A, M1R, k1, sm, k1, M1L, knit to M-B, sm, sl1 wyib, knit to 1 st before M-C, M1R, k1, sm, k1, M1L, knit to 1 st before M-D, M1R, k1, sm, k1, M1L, knit to 3 sts before previous color change. Drop CC. Slip 3 MC sts purlwise. Pick up MC yarn. Knit to BOR M, move BOR M to RHN. [7 sts inc; 113 sts total: 18 right sleeve sts, 39 front sts, 18 left sleeve sts, 38 back sts]

Rnd 8 (MC): {Knit to M, sm} 4 times, knit to 3 sts before previous color change. Drop MC. Slip 3 CC sts purlwise. Pick up CC yarn. Knit to M-E, sm, sl1 wyib, knit to 1 st before BOR M, M1R, k1. [1 st inc; 114 sts total: 18 sts each sleeve, 39 sts each front & back]

Rnd 9 (CC): \*K1, M1L, knit to 1 st before M-A, M1R, k1, sm, k1, M1L, knit to M-B, sm, sl1 wyib, knit to 1 st before M-C, M1R, k1, sm, k1, M1L, knit to 1 st before M-D, M1R, k1, sm, k1, M1L, knit to 3 sts before previous color change. Drop CC. Slip 3 MC sts purlwise. Pick up MC yarn. Knit to BOR M, move BOR M to RHN. [7 sts inc; 121 sts total: 20 right sleeve sts, 41 front sts, 20 left sleeve sts, 40 back sts]

Rnd 10 (MC): {Knit to M, sm} 4 times, knit to 3 sts before previous color change. Drop MC. Slip 3 CC sts purlwise. Pick up CC yarn. Knit to M-E, sm, sl1 wyib, knit to 1 st before BOR M, M1R, k1. [1 st inc; 122 sts total: 20 sts each sleeve, 41 sts each front & back]

Rnd 11 (CC): \*K1, M1L, knit to 1 st before M-A, M1R, k1, sm, k1, M1L, knit to M-B, sm, sl1 wyib, knit to 1 st before M-C, M1R, k1, sm, k1, M1L, knit to 1 st before M-D, M1R, k1, sm, k1, M1L, k1 (you'll now be 3 sts from the previous color change). Drop CC. Slip 3 MC sts purlwise. Pick up MC yarn. Knit to BOR M, move BOR M to RHN. [7 sts inc; 129 sts total: 22 right sleeve sts, 43 front sts, 22 left sleeve sts, 42 back sts]

Rnd 12 (MC): {Knit to M, sm} 4 times. Drop MC. Slip 3 CC sts purlwise. Pick up CC yarn. Knit to M-E, sm, sl1 wyib, knit to 1 st before BOR M, M1R, k1. [1 st inc; 130 sts total: 22 sts each sleeve, 43 sts each front & back]

Rnd 13 (CC): \*K1, M1L, knit to 1 st before M-A, M1R, k1, sm, k1, M1L, knit to M-B, sm, sl1 wyib, knit to 1 st before M-C, M1R, k1, sm, k1, M1L, knit to 3 sts before M-D. Drop CC. Slip 3 MC sts purlwise, move M-D to RHN. Pick up MC yarn. Knit to BOR M, move BOR M to RHN. [5 sts inc; 135 sts total: 24 right sleeve sts, 45 front sts, 23 left sleeve sts, 43 back sts]

Rnd 14 (MC): {Knit to M, sm} 3 times, knit to 3 sts before previous color change. Drop MC. Slip 3 CC sts purlwise. Pick up CC yarn. K2, M1R, k1, sm, k1, M1L, knit to M-E, sm, sl1 wyib, knit to 1 st before BOR M, M1R, k1. [3 sts inc; 138 sts total: 24 sts each sleeve, 45 sts each front & back]

Rnd 15 (CC): \*K1, M1L, knit to 1 st before M-A, M1R, k1, sm, k1, M1L, knit to M-B, sm, sl1 wyib, knit to 1 st before M-C, M1R, k1, sm, k1, M1L, knit to 3 sts before previous color change. Drop CC. Slip 3 MC sts purlwise. Pick up MC yarn. Knit to BOR M, move BOR M to RHN. [5 sts inc; 143 sts total: 26 right sleeve sts, 47 front sts, 25 left sleeve sts, 45 back sts]



Rnd 16 (MC): {Knit to M, sm} 3 times, knit to 3 sts before previous color change. Drop MC. Slip 3 CC sts purlwise. Pick up CC yarn, knit to 1 st before M-D, M1R, k1, sm, k1, M1L, knit to M-E, sm, sl1 wyib, knit to 1 st before BOR M, M1R, k1. [3 sts inc; 146 sts total: 26 sts each sleeve, 47 sts each front & back]

Rnd 17 (CC): \*K1, M1L, knit to 1 st before M-A, M1R, k1, sm, k1, M1L, knit to M-B, sm, sl1 wyib, knit to 1 st before M-C, M1R, k1, sm, k1, M1L, knit to 3 sts before previous color change. Drop CC. Slip 3 MC sts purlwise. Pick up MC yarn. Knit to BOR M, move BOR M to RHN. [5 sts inc; 151 sts total: 28 right sleeve sts, 49 front sts, 27 left sleeve sts, 47 back sts]

Rnd 18 (MC): {Knit to M, sm} 3 times, knit to 3 sts before previous color change. Drop MC. Slip 3 CC sts purlwise. Pick up CC yarn, knit to 1 st before M-D, M1R, k1, sm, k1, M1L, knit to M-E, sm, sl1 wyib, knit to 1 st before BOR M, M1R, k1. [3 sts inc; 154 sts total: 28 sts each sleeve, 49 sts each front & back]

Rnd 19 (CC): \*K1, M1L, knit to 1 st before M-A, M1R, k1, sm, k1, M1L, knit to M-B, sm, sl1 wyib, knit to 1 st before M-C, M1R, k1, sm, k1, M1L, knit to 3 sts before previous color change. Drop CC. Slip 3 MC sts purlwise. Pick up MC yarn. Knit to BOR M, move BOR M to RHN. [5 sts inc; 159 sts total: 30 right sleeve sts, 51 front sts, 29 left sleeve sts, 49 back sts]

Rnd 20 (MC): {Knit to M, sm} 3 times, k2. Drop MC. Slip 3 CC sts purlwise. Pick up CC yarn, knit to 1 st before M-D, M1R, k1, sm, k1, M1L, knit to M-E, sm, sl1 wyib, knit to 1 st before BOR M, M1R, k1. [3 sts inc; 162 sts total: 30 sts each sleeve, 51 sts each front & back]

Rnd 21 (CC): \*K1, M1L, knit to 1 st before M-A, M1R, k1, sm, k1, M1L, knit to M-B, sm, sl1 wyib, knit to 1 st before M-C, M1R. Drop CC. Slip 3 MC sts purlwise. Pick up MC yarn. Knit to BOR M, move BOR M to RHN. [4 sts inc; 166 sts total: 32 right sleeve sts, 53 front sts, 30 left sleeve sts, 51 back sts]

Partial Rnd 22 (MC): Slip all sts purlwise to the color change between MC and CC. Pick up MC yarn. K1, sm, k1, M1L, knit to 1 st before M-D, M1R, k1, sm, k1, M1L, knit to M-E, sm, sl1 wyib, knit to 1 st before BOR M, M1R, k1. [4 sts inc; 170 sts total: 32 sts each sleeve, 53 sts each front & back]

