

# *Tangent Cardigan*

*Designed by Heidi May*



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## *Materials needed:*

- U.S. H/8–5.00 mm crochet hook
- U.S. G/6–4.25 mm crochet hook
- DK weight yarn (260 yards size 6m, 285 yards size 12/18m, 335 yards size 2, 370 yards size 4, 440 yards size 6, 550 yards size 8, 655 yards size 10, 750 yards size 12, 845 yards size 14, 935 yards size XS, 1040 yards size S, 1135 yards size M, 1285 yards size M/L, 1410 yards size L, 1535 yards size XL, 1685 yards size XXL, 1840 yards size 3XL, 1960 yards size 4XL) Juniper Moon Herriot yarn used
- Removable stitch markers
- Tapestry needle

## *Gauge:*

U.S. H (16 sts/13 rows = 4X4 square in hdc)

U.S. G (15.25 sts/12 rows = 4X4 square in hdc)

The Tangent is a raglan style sweater worked from the top down. The sleeves and tie's are added once the sweater body is complete. Designed with a positive ease of approx. 1–3 inches.

## *Sweater sizes:*

6m	(sweater 18 inch chest circumference)
12/18m	(sweater 19.5 inch chest circumference)
2	(sweater 21.25 inch chest circumference)
4	(sweater 22.75 inch chest circumference)
6	(sweater 24.5 inch chest circumference)
8	(sweater 26 inch chest circumference)
10	(sweater 27.5 inch chest circumference)
12	(sweater 29.25 inch chest circumference)
14	(sweater 30.75 inch chest circumference)
x-small	(sweater 32.5 inch chest circumference)
small	(sweater 34 inch chest circumference)
medium	(sweater 37.5 inch chest circumference)
medium/large	(sweater 41.25 inch chest circumference)
large	(sweater 44.75 inch chest circumference)
x-large	(sweater 48.5 inch chest circumference)
xx-large	(sweater 52 inch chest circumference)
3x-large	(sweater 55.5 inch chest circumference)
4x-large	(sweater 59.25 inch chest circumference)



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**Note:** Pictured is size 4 with a positive ease of 2 inches on a 4 year old child.

Starting with the U.S. H crochet hook chain the number of stitches needed for the size you are making: 50, 54, 58, 62, 66, 70, 74, 78, 82, 86[90, 94, 98, 102, 106]{110, 114, 118}.

## *Neckline:*

Row 1: work a sc in the 3rd chain from the hook, work 1 sc in each chain all across. (48, 52, 56, 60, 64, 68, 72, 76, 80, 84[88, 92, 96, 100, 104]{108, 112, 116})

Row 2: chain 1, turn, work a sc in each stitch all across.

## *Stitch marker set up:*

1. Chain 2, turn, work (7, 8, 9, 10, 11, 12, 13, 14, 15, 16[17, 18, 19, 20, 21]{22, 23, 24}) hdc.
2. Work 1 hdc (PLACE MARKER IN THIS STITCH)
3. Work 8 hdc.
4. Work 1 hdc (PLACE MARKER IN THIS STITCH)
5. work (14, 16, 18, 20, 22, 24, 26, 28, 30, 32[34, 36, 38, 40, 42]{44, 46, 48}) hdc.
6. Work 1 hdc (PLACE MARKER IN THIS STITCH)
7. work 8 hdc.
8. Work 1 hdc (PLACE MARKER IN THIS STITCH)
9. Work (7, 8, 9, 10, 11, 12, 13, 14, 15, 16[17, 18, 19, 20, 21]{22, 23, 24}) hdc.

(48, 52, 56, 60, 64, 68, 72, 76, 80, 84[88, 92, 96, 100, 104]{108, 112, 116})sts

## *Body increase:*

Row 1: chain 2, turn, \*work a hdc in each stitch to 1 stitch before marker, 3 hdc in the next stitch, **RMPM** (remove marker, work 1 hdc in this stitch, place marker in the stitch just worked. This will keep the same stitch marked, but bring it to the current row), 3 hdc in the next stitch, repeat from \* {3 more times}, work a hdc in each stitch to end.

(64, 68, 72, 76, 80, 84, 88, 92, 96, 100[104, 108, 112, 116, 120]{124, 128, 132}) sts



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Row 2: chain 2, turn, \*work a hdc in each stitch to 1 stitch before marker, 2 hdc in the next stitch, *RMPM*, 2 hdc in the next stitch, repeat from \* {3 more times}, work a hdc in each stitch to end.  
(72, 76, 80, 84, 88, 92, 96, 100, 104, 108[112, 116, 120, 124, 128]{132, 136, 140}) sts

Repeat row 2:

8, 9, 10, 11, 12, 13, 14, 15, 16, 17[18, 20, 22, 24, 26]{28, 30, 32} more times. (136, 148, 152, 172, 184, 196, 208, 220, 232, 244[256, 276, 296, 316, 336]{356, 376, 396}) sts

*Sleeves separation:* chain 2, turn, \*work a hdc in each stitch to marker, remove marker, work 1 hdc in marker stitch, chain (0, 0, 2, 0, 0, 0, 0, 0, 0, 0[2, 4, 6, 6, 6]{8, 10, 10}), remove marker, work 1 hdc in marker stitch, skip (30, 32, 34, 36, 38, 40, 42, 44, 46, 48[50, 54, 58, 62, 66]{70, 74, 78}), repeat from \* {1 more time}, work a hdc in each stitch to end.  
(76, 84, 88, 100, 108, 116, 124, 132, 140, 148[160, 176, 192, 204, 216]{232, 248, 260}) sts

*Body:* row 1 for the bottom is noted (Right side), this is only noted to keep track of right and wrong side when attaching sleeves.

Row 1 (Right side): chain 2, turn, work a hdc in each stitch all across.

Row 2: chain 2, turn, \*skip 1, 1 hdc in the next stitch, 1 hdc in the stitch skipped, repeat from \* all across.

Rows 3-4: chain 2, turn, work a hdc in each stitch all across.

Repeat rows 2-4:

2, 3, 3, 4, 5, 6, 7, 8, 9, 9, 9, 10, 10, 11, 12, 12, 13, 14 times

*Note:* The 2-4 pattern repeats can be added or omitted depending on how long you would like the sweater prior to working the bottom edge. Each repeat of 2-4 will add or omit approx. 1 inch.

*Bottom edge:*

Row 1: chain 2, turn, \*skip 1, 1 hdc in the next stitch, 1 hdc in the stitch skipped, repeat from \* all across.

Break yarn, weave in all ends.



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*Sleeves:* work both sleeves the same one at a time, sleeves are worked flat then seamed up at the end to complete. With the U.S. H hook and yarn start at the bottom center under the arm, slip stitch, chain 2, work a hdc in each stitch all around including working 1 hdc in each stitch on either side of the sleeve right before you start the skipped sleeve stitches. (32, 34, 36, 38, 40, 42, 44, 46, 48, 50[52, 56, 60, 64, 68]{72, 76, 80}) sts

Decrease round 1: chain 2, turn, 1 hdc, hdc2tog, work a hdc in each stitch all across to last 3 stitches, hdc2tog, 1 hdc.  
(30, 32, 34, 36, 38, 40, 42, 44, 46, 48[50, 54, 58, 62, 66]{70, 74, 78}) sts

1. Chain 2, turn, work a hdc in each stitch all across.  
Repeat 1 until sleeve measures from underarm to working row:  
3, 4, 5, 6, 8, 10, 11, 8, 8, 8, 8, 7, 6, 6, 4, 3, 2 inches

Decrease round 2: chain 2, turn, 1 hdc, hdc2tog, work a hdc in each stitch all across to last 3 stitches, hdc2tog, 1 hdc.  
(28, 30, 32, 34, 36, 38, 40, 42, 44, 46[48, 52, 56, 60, 64]{68, 72, 76}) sts

*Sleeve repeat rows:*

Rows 1-2: chain 2, turn, work a hdc in each stitch all across.

Row 3: chain 2, turn, 1 hdc, hdc2tog, work a hdc in each stitch all across to last 3 stitches, hdc2tog, 1 hdc.

(26, 28, 30, 32, 34, 36, 38, 40, 42, 44[46, 50, 54, 58, 62]{66, 70, 74}) sts

Repeat rows 1-3: (1, 1, 1, 1, 1, 2, 3, 3, 4, 5[6, 7, 9, 11, 13]{14, 15, 17} times). (24, 26, 28, 30, 32, 32, 32, 34, 34, 34[34, 36, 36, 36, 36]{38, 40, 40}) sts

2. Chain 2, turn, work a hdc in each stitch all across.  
Repeat 2 until sleeve measures from underarm to working row:  
5, 6, 7, 9, 10.5, 11.5, 14.5, 16, 17, 17, 17, 18, 18, 18.5, 18.5, 19, 19, 19 inches (or until sleeve measures approx. 1.5 inches from desired length).

*Cuff:* Switch to the U.S. G crochet hook.

Row 1: chain 2, turn, \*skip 1, 1 hdc in the next stitch, 1 hdc in the stitch skipped, repeat from \* all across.

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The Row 2 decrease is optional if you like the cuff the current size just work 2 rows like row 3.

Row 2 (optional decrease): chain 2, turn, 1 hdc, hdc2tog, work a hdc in each stitch to last 3 stitches, hdc2tog, 1 hdc.  
(22, 24, 26, 28, 30, 30, 30, 32, 32, 32[32, 34, 34, 34, 34]{36, 38, 38}) sts

Rows 3: chain 2, turn, work a hdc in each stitch all across.

Row 4: chain 2, turn, \*skip 1, 1 hdc in the next stitch, 1 hdc in the stitch skipped, repeat from \* all across.

Break yarn leaving a tail approx. twice the length of the sleeve for seaming. Seam sleeve with tapestry needle and yarn tail. Break yarn and weave in ends. Make second sleeve.



**Ties:** With the U.S. H crochet hook and yarn you will work both ties the same one on each side of the neckline. Starting in the end of the first row worked, slip stitch and chain approx. 10 inches (child sizes), 13 inches (adult sizes), work a hdc in each chain all across. Once you are back to the neckline work a slip stitch into the beginning of the second row. Break yarn and weave in all the ends. Work the second tie.

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*Finishing:* Make sure to weave in all the ends using a tapestry needle or preferred method. Gently block by filling a sink or water basin with luke warm water, add a small amount of rinseless wool wash. Place the item in the water and gently massage out any air bubbles. Drain water, gently squeeze any excess water from the item, roll in a towel and stomp on towel roll to remove anymore excess water. Lay item out on a towel and allow to dry completely.

*Approx. Finished Measurements:*

Chest circumference: 18, 19.5, 21.25, 22.75, 24.5, 26, 27.5, 29.25, 30.75, 32.5, 34, 37.5, 41.25, 44.75, 48.5, 52, 55.5, 59.25 inches

Top length {from underarm}: 4, 5, 5, 6, 7, 8, 9, 10, 11, 11, 11, 12, 12, 13, 14, 14, 15, 16 inches

