

Ratchet and Clank Hats

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Size: Ages 2-4

These hats were made for my soon-to-be three year old twin boys at their Daddy's request. They are definitely fun hats for little ones to wear, although I'm pretty sure that they're more fun for my husband, who absolutely loves to take the boys out wearing them.

Materials

Worsted weight yarn in various colors

For Ratchet: brown, yellow, and tan

For Clank: light gray, dark gray, emerald green, red

No. 8, 16" circular needle

No. 8 dpn

No. 4 dpn

Tapestry needle

Poly-fil for Ratchet's ears

Ratchet's Aviator Hat

With brown yarn, CO 97 st on No. 8 circular needle.

Place marker and join in the round, being careful not to twist stitches.

Round 1-5: Garter stitch around

All even rounds (WS): Knit around

Round 7-15 (odd rows only/RS): k1, m1, k14, slip 1, k2togtbl, pssso, k14, m1, k1, m1, k14, slip 1, k2togtbl, pssso, k14, m1, k1, m1, k14, slip1, k2togtbl, pssso, k14, m1, k1

Round 17-until 16 st remain (odd rows only/RS): continue with pattern established above, but without the increases. So for Round 17: k15, slip 1, k2togtbl, pssso, k29, slip 1, k2togtbl, pssso, k29, slip 1, k2togtbl, pssso, k15 [6 st decreased]; Round 19: k14, slip 1, k2togtbl, pssso, k27, slip 1, k2togtbl, pssso, k27, slip 1, k2togtbl, pssso, k14 [6 st decreased], etc.

When 16 stitches remain, k2tog around [8 st]. Break yarn, and using a tapestry needle, weave the tail through the remaining stitches. Pull tightly to close hole at top of hat.

Ratchet Ears



With yellow yarn, CO 36 st on No. 8 dpn. Divide stitches evenly on 4 needles, and being careful not to twist stitches, join in the round.

Round 1-3: Knit around.

Round 4: k2tog, k32, ssk (34 st)

Round 5-7: Knit around.

Round 8: k2tog, k30, ssk (32 st)

Round 9-11: Knit around.

Round 12: k2tog, k28, ssk (30 st)

Round 13-15: Knit around.

Round 16: k2tog, k26, ssk (28 st)

Round 17 and 18: Knit around.

Round 19: k2tog, k24, ssk (26 st)

Round 20 and 21: Knit around.

Round 22: k2tog, k22, ssk (24 st)

Round 23 and 24: Knit around

Round 25: k2tog, k20, ssk (22 st)

Round 26 and 27: Knit around.

Round 28: k2tog, k18, ssk (20 st)

Round 29: Knit around.

Round 30: k2tog, k16, ssk (18 st)

Round 31: Knit around.

Round 32: k2tog, k14, ssk (16 st)

Round 33: Knit around.

Round 34: k2tog, k12, ssk (14 st)

Round 35: Knit around.

Round 36: k2tog, k10, ssk (12 st)

Round 37: k2tog, k8, ssk (10 st)

Round 38: k2tog, k6, ssk (8 st)

Round 39: k2tog, k4, ssk (6 st)

Round 40: k2tog, k2, ssk (4 st)

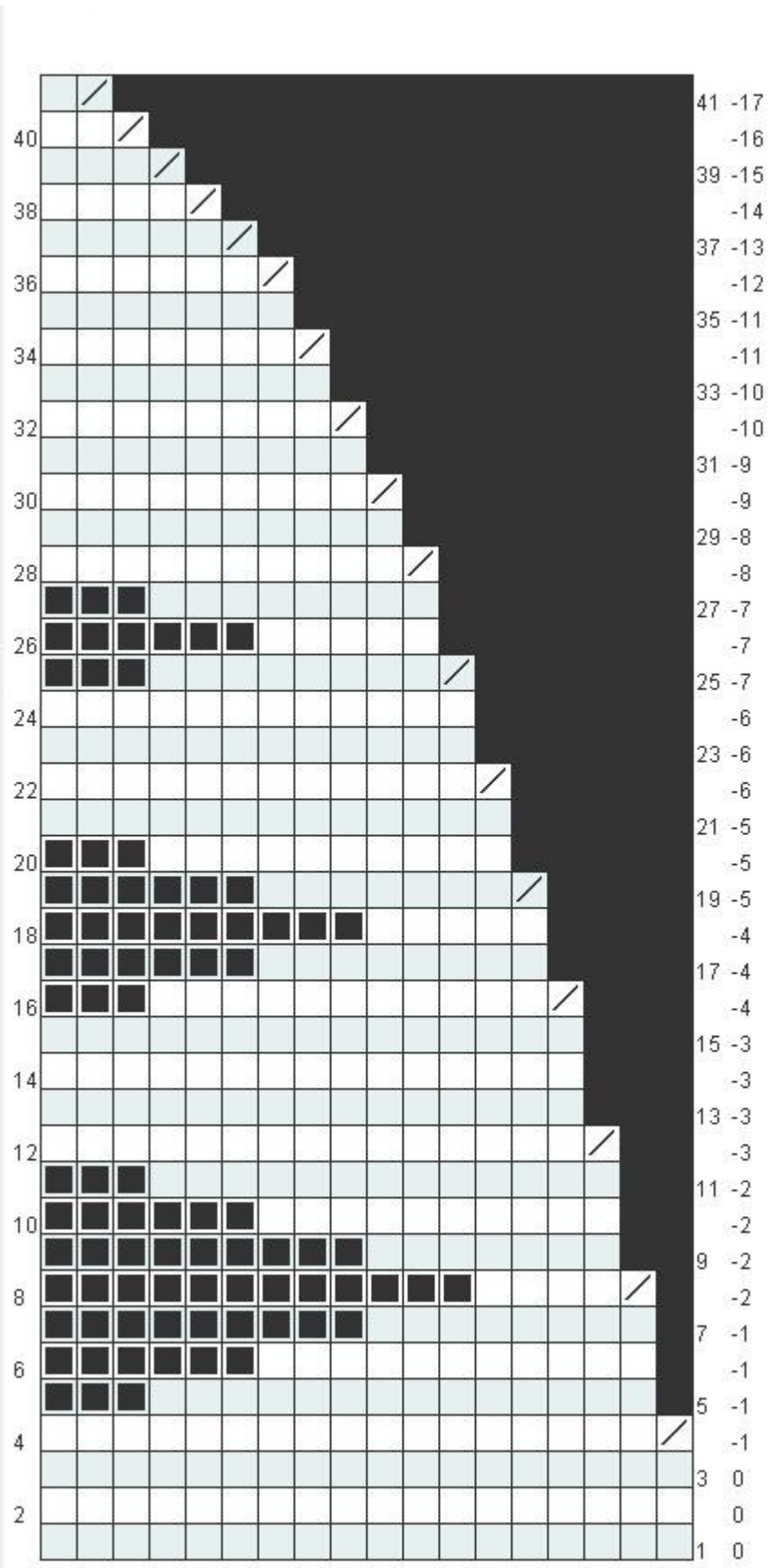
Round 41: k2tog, ssk (2 st)

Break yarn, and using a tapestry needle, thread yarn through the remaining 2 stitches. Pull tightly and weave in ends.

Make 2.

The chart on the right shows one half of the Ratchet ears. The stripes on Ratchet's ears can be added using duplicate stitch according to the pattern.

Put just enough poly-fil in Ratchet's ears



to hold their shape. Sewing the ears onto the aviator hat is quite challenging. The easiest way to figure out where to place the ears is to find a well-behaved child to wear the hat while you *carefully* pin the ears onto the hat. And if finding a 2-4 year old child who will stand still for long enough to accomplish this is an impossibility, a mannequin head will work.

Clank's Hat

With lighter gray yarn, CO 72 st on No. 8 circular needle.

Place marker and join in the round, being careful not to twist stitches.

Knit in 2x2 ribbing for about 1 inch

Continue in stockinette stitch until hat measures 4.5 inches

Begin decreases -

Round 1 - *k7, k2tog* around (64 st)

Round 2 - knit around

Round 3 - *k6, k2tog* around (56 st)

Round 4 - knit around

Round 5 - *k5, k2tog* around (48 st)

Round 6 - knit around

Round 7 - *k4, k2tog* around (40 st)

Round 8 - knit around

Round 9 - *k3, k2tog* around (32 st)

Round 10 - knit around

Round 11 - *k2, k2tog* around (24 st)

Round 12 - knit around

Round 13 - *k1, k2tog* around (16 st)

Round 14 - knit around

Round 15 - k2tog around (8 st)

Break yarn, and using a tapestry needle, weave the tail through the remaining stitches. Pull tightly to close hole at top of hat.



Clank's Top Piece and Antennae

With darker gray yarn, CO 4 st on No. 8 dpn.

Row 1: Knit across

Row 2 and all even rows: Purl across

Row 3: k1, m1, k2, m1, k1 (6 st)

Row 5: k1, m1, k4, m1, k1 (8 st)

Row 7: k1, m1, k6, m1, k1 (10 st)

Row 9: k1, m1, k8, m1, k1 (12 st)

Row 10: Purl across. Leave stitches on needle, but leaving a 6 inch break yarn.

Make 2 of these, but on the second one, do not break yarn.

(Note: You can actually bind off stitches to the 2 top pieces if you would prefer, then sew the two pieces together and pick up 4 stitches in the center for the antennae.)

Holding the two pieces together, use the tail you left on the first piece you made to bind off 4 stitches (Figure 1, 2, and 3).



Figure 1: Hold two pieces together with the WS/purl sides against each other on the inside.



Figure 2: Bind off 4 stitches by knitting 2 stitches together (one from each needle) 2 times, then passing the first stitch over the second stitch.



Figure 3: You will have 4 stitches from each needle bound off on one end.

Turn the piece so that the bound off stitches are now on the left side (Figure 4).

Doing the same thing you did on the other side, bind off 4 stitches from each needle. You will now have 8 stitches remaining, 4 on each needle (Figure 5).



Figure 5: Bind off 4 stitches from each needle. You will have 8 stitches remaining, 4 on each needle.



Figure 4: Turn the piece so that the bound off stitches are on the left.

Again, holding the two needles together, knit the stitches together (do NOT bind off). You will have 4 stitches on your needle (Figure 6).



Figure 6: Holding 2 needles together, knit stitches together. You will have 4 stitches remaining.

With the 4 stitches remaining, knit as if you're making an i-cord until the piece is approximately 1.5 inches. Cut yarn, and using a tapestry needle, weave tail through the 4 stitches. Pull tightly, then thread the yarn down the center of the i-cord and use the yarn to close any gaps that you may have along the base of the i-cord antennae.

With red yarn, CO 6 st on No. 4 dpn. Divide stitches evenly between 3 needles.

Being careful not to twist stitches, join in the round and knit one round.

Round 2: *k1, m1, k1; rep from * 2x (9 st)

Round 3: Knit around

Round 4: *k1, m1, k1, m1, k1; rep from * 2x (15 st)

Round 5: Knit around

Round 6: *k2tog, k1, k2tog; rep from * 2x (9 st)

Round 7: Knit around

Round 8: *k2tog, k1; rep from * 2x (6 st)

Round 9: Knit around. Break yarn. Using a tapestry needle, thread the yarn through the remaining 6 stitches. Before pulling to close the hole, insert the end of the antennae that you just made into the red ball. Use the tail to sew the ball onto the antennae.

Clank's Eyes

CO 6 st on Size 8 dpn.

Row 1: Knit across

Row 2 and all even rows: Purl across

Row 3: k1, m1, k4, m1, k1 (8 st)

Row 5: k1, m1, k6, m1, k1 (10 st)

Row 7: Knit across

Row 9: Knit across

Row 11: ssk, k6, k2tog (8 st)

Row 13: ssk, k4, k2tog (6 st)

Row 15: Bind off.

Make 2.

Clank's Mouthpiece and Hinges

With darker gray yarn, CO 32 st

Row 1: Knit across



Row 2: S11, then changing colors to lighter gray yarn p30, leave last stitch on left needle. Leave the darker gray yarn hanging. You will pick it up again in Row 18.

Row 3: You have 1 st from the previous row on the right needle. S11, k28, leave 2 sts on left needle.

Row 4: Now, you have 2 sts from the previous row on the right needle. S1, p26, leave 3 sts on left needle.

Row 5: You have 3 sts on the right needle. S11, k24, leave 4 sts on left needle.

Row 6: You have 4 sts on the right needle. S11, p22, leave 5 sts on left needle.

Row 7: You have 5 sts on the right needle. S11, k20, leave 6 sts on left needle.

Row 8: You have 6 sts on the right needle. S11, p18, leave 7 sts on left needle.

Row 9: You have 7 sts on the right needle. S11, k16, leave 8 sts on left needle.

Row 10: You have 8 sts on the right needle. S11, p14, leave 9 sts on left needle.

Row 11: You have 9 sts on the right needle. S11, k12, leave 10 sts on left needle.

Row 12: You have 10 sts on the right needle. S11, p10, leave 11 sts on left needle.

Row 13: You have 11 sts on the right needle. S11, k8, leave 12 sts on left needle.

Row 14: You have 12 sts on the right needle. S11, p6, leave 13 sts on left needle.

Row 15: You have 13 sts on the right needle. S11, k4, leave 14 sts on left needle.

Row 16: You have 14 sts on the right needle. S11, p2, leave 15 sts on left needle.

Row 17: You have 15 sts on the right needle. S117. Cut lighter gray yarn and leave end hanging to weave in once you're finished with the mouthpiece.

Row 18: Picking up the darker gray, knit across.

Row 19. Bind off.

For the hinges, CO 6 st on No. 8 dpn.

Knit 6 rows of an i-cord.

Break yarn, and using a tapestry needle, weave yarn through the live stitches. Pull tightly to close the gap.

Sew all the pieces onto Clank's hat.

And you're done!

