

moji-moji design



NUT & BOLT

AMIGURUMI CROCHET PATTERN

An original design by

Janine Holmes

www.etsy.com/shop/mojimojidesign

Nut and Bolt

★Pattern Notes

Terminology

This pattern is written in American crochet terminology, which differs from British terminology in some instances. The following table of terms used in this pattern will help should you wish to translate one to the other.

American (US)		British (UK)	
ch	chain	ch	chain
Sl st	slip stitch	ss	slip stitch
sc	single crochet	dc	double crochet

Abbreviations & Symbols

cm	centimeters
invdec	invisible decrease
mm	millimeters
Rnd(s)	Round(s)
st(s)	stitch(es)
()	Round brackets indicate: A group of stitches to be worked into the same stitch or space, or The amount of stitches you should have on completion of the round or row it follows, or Explanatory notes within the pattern.
[]	Square brackets contain a group of stitches to be worked the amount of times indicated after the brackets
"	inches

Special Stitch Explanations

Invdec

This is a good way of decreasing in amigurumi when you need a tight, smooth fabric as this technique will eliminate bumps and holes in the fabric and will, as its name suggests, be almost completely invisible.

Insert hook into front loop only of first stitch, do not wrap yarn, insert hook into front loop only of next stitch. You will now have a total of three loops on your hook. Wrap your yarn around hook and pull through both of the 2 front loops on the hook, wrap yarn around hook again and pull through last 2 loops on hook. You have now 'invisibly' decreased by one stitch.

Color Change Ends

Tie off and trim your color change ends as you go. Tie securely on the inside of your work. With amigurumi crochet it can be difficult to reach the ends once you have crocheted too many rows above.

Gauge (Tension)

Exact gauge is not crucial for this pattern. Just make sure your crochet hook is small enough to create a tight fabric that the stuffing can't poke through.

With the yarn and hook specified Nut measures approx. 10" (28 cm) tall, Bolt measures approx. 3" (8 cm) tall.

Materials

1	Light worsted weight, (DK/8 ply) yarn in the following color suggestions: Light Gray, Dark Gray, Orange, Green, Blue.
2	12 mm black plastic toy safety eyes. (Nut)
3	6 mm black plastic safety eyes. (Bolt)
4	Polyester toy stuffing.
5	1 x Orange button, approx. 0.5" (1 cm) diameter.

Equipment

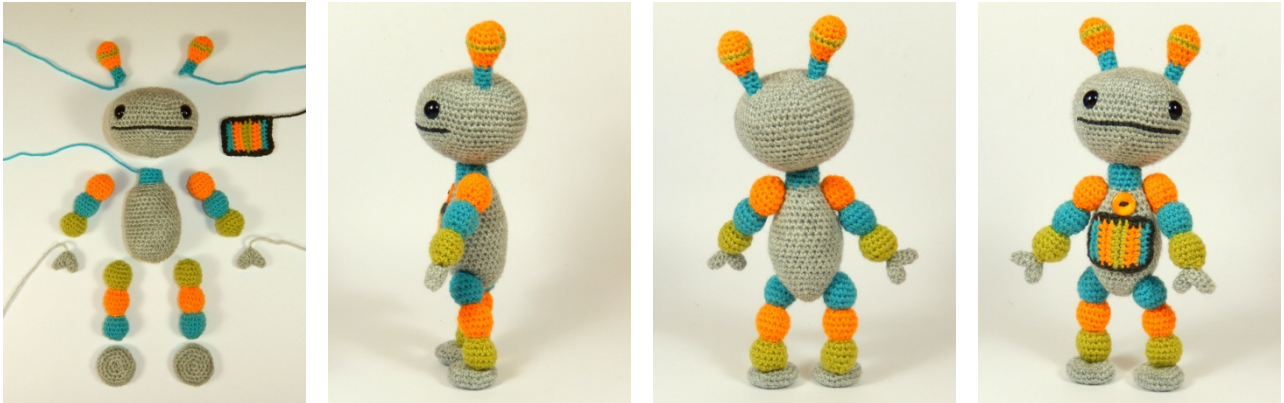
1	Size C (2.75mm) crochet hook.
2	Scissors.
3	Large yarn needle.
4	Smaller needle. (For sewing on button)
5	Stitch marker.
6	Tweezers. (For stuffing small or narrow parts)



Nut and Nutella exploring the universe together, accompanied by their mini-bots, Bolt and Boltina.

★The Pattern

Nut



Head

Make 1 piece starting at crown of head. Working in continuous spiral rounds.

With **Light Gray** yarn make **2 ch**.

Rnd 1 6 sc in second ch from hook. (6 sts)

Place marker at beginning of next round, move marker up with each completed round.

Rnd 2 2 sc in each of next 6 st. (12 sts)

Rnd 3 [Sc in next st, 2 sc in next st] 6 times. (18 sts)

Rnd 4 [Sc in each of next 2 st, 2 sc in next st] 6 times. (24 sts)

Rnd 5 [Sc in each of next 3 st, 2 sc in next st] 6 times. (30 sts)

Rnd 6 [Sc in each of next 4 st, 2 sc in next st] 6 times. (36 sts)

Rnd 7 [Sc in each of next 5 st, 2 sc in next st] 6 times. (42 sts)

Rnd 8 [Sc in each of next 6 st, 2 sc in next st] 6 times. (48 sts)

Rnd 9 [Sc in each of next 7 st, 2 sc in next st] 6 times. (54 sts)

Rnd 10 [Sc in each of next 8 st, 2 sc in next st] 6 times. (60 sts)

Rnds 11-16 Sc in each st around. (6 rounds)

Rnd 17 [Sc in each of next 8 st, invdec] 6 times. (54 sts)

Rnd 18 [Sc in each of next 7 st, invdec] 6 times. (48 sts)

Rnd 19 [Sc in each of next 6 st, invdec] 6 times. (42 sts)

Insert **12 mm** safety eyes between rounds **12 & 13**, spacing them **15** stitches apart.

Rnd 20 [Sc in each of next 5 st, invdec] 6 times. (36 sts)

Rnd 21 [Sc in each of next 4 st, invdec] 6 times. (30 sts)

Rnd 22 [Sc in each of next 3 st, invdec] 6 times. (24 sts)

Rnd 23 [Sc in each of next 2 st, invdec] 6 times. (18 sts)

Stuff head.

Rnd 24 [Sc in next st, invdec] 6 times. (12 sts)

Rnd 25 [Invdec] 6 times. (6 sts)

Fasten off, leaving a long yarn tail for finishing. Thread yarn tail onto yarn needle, pick up front loop only of remaining 6 stitches. Pull tight to close the hole. Fasten off. Weave in end.

Using a strand of **Dark Gray** yarn and back stitch (**Fig. 1**), embroider mouth in between rounds **15 & 16**, spanning approx. **20** stitches.

Body

	Make 1 piece starting at base. Working in continuous spiral rounds. With Light Gray yarn make 2 ch .
Rnd 1	6 sc in second ch from hook. (6 sts) Place marker at beginning of next round, move marker up with each completed round.
Rnd 2	2 sc in each of next 6 st. (12 sts)
Rnd 3	[Sc in next st, 2 sc in next st] 6 times. (18 sts)
Rnd 4	[Sc in each of next 2 st, 2 sc in next st] 6 times. (24 sts)
Rnd 5	[Sc in each of next 3 st, 2 sc in next st] 6 times. (30 sts)
Rnds 6-20	Sc in each st around. (15 rounds)
Rnd 21	[Sc in each of next 3 st, invdec] 6 times. (24 sts)
Rnd 22	[Sc in each of next 2 st, invdec] 6 times. (18 sts) Stuff body.
Rnd 23	[Sc in next st, invdec] 6 times. (12 sts) Change to Blue yarn
Rnds 24-26	Sc in each st around. (3 rounds) Fasten off, leaving a long yarn tail for finishing. Top neck up with stuffing so neck is firm. Sew neck to round 24 of head.

Antennae

	Make 2 pieces starting at top. Working in continuous spiral rounds. With Orange yarn make 2 ch .
Rnd 1	6 sc in second ch from hook. (6 sts) Place marker at beginning of next round, move marker up with each completed round.
Rnd 2	2 sc in each of next 6 st. (12 sts)
Rnd 3	[Sc in each of next 3 st, 2 sc in next st] 3 times. (15 sts) Change to Green yarn.
Rnd 4	Sc in each st around. Change to Orange yarn.
Rnd 5	Sc in each st around.
Rnd 6	[Sc in each of next 3 st, invdec] 3 times. (12 sts)
Rnd 7	[Invdec] 6 times. (6 sts) Change to Blue yarn.
Rnds 8-11	Sc in each st around. (4 rounds) Fasten off, leaving a long yarn tail for sewing. Stuff antennae using tweezers. Sew to top of Robot's head 4 rounds apart.

Arms and Legs

	Make 2 pieces for arms starting at shoulder. Make 2 pieces for legs starting at thigh. Working in continuous spiral rounds. Color order for arms: Orange, Blue, Green . Color order for legs: Blue, Orange, Green . With Orange/Blue yarn make 2 ch .
Rnd 1	6 sc in second ch from hook. (6 sts) Place marker at beginning of next round, move marker up with each completed round.
Rnd 2	2 sc in each of next 6 st. (12 sts)
Rnd 3	[Sc in next st, 2 sc in next st] 6 times. (18 sts)

Rnds 4-5	Sc in each st around. (2 rounds)
Rnd 6	[Sc in next st, invdec] 6 times. (12 sts)
Rnd 7	[Invdec] 6 times. (6 sts). Using tweezers, stuff bobble. Change to Blue/Orange Yarn.
Rnds 8-13	Repeat rounds 2-7 . (6 rounds) Change to Green yarn.
Rnds 14-19	Repeat rounds 2-7 . (6 rounds) Fasten off, leaving a long yarn tail for finishing. Thread yarn tail onto yarn needle, pick up front loop only of remaining 6 stitches. Pull tight to close the hole. Fasten off. Weave in end. To attach arms and legs: Thread a doubled up strand of Light Gray yarn through yarn needle. Sew arms/legs to side of body as indicated in Figs. 1&2 . Place starting knot at position (a) and finishing knot at position (b) . Knots should be hidden in between limbs and body. Make sure the thread goes through the same stitch gap that it came out of on the outer edge of the arms and legs to minimize any distortion to the round shape. Pull on thread each time you pass needle through to form shaping and make firm joints, fasten off securely. Hide ends inside body.



Fig.1 Backstitch for mouth. (Nut and Bolt)

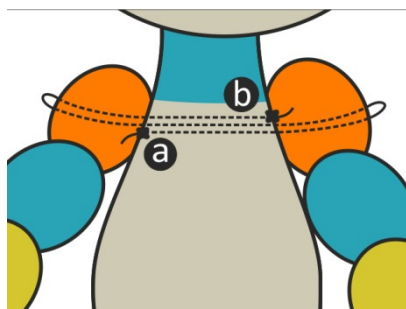


Fig.2 Threading arms. (Nut)

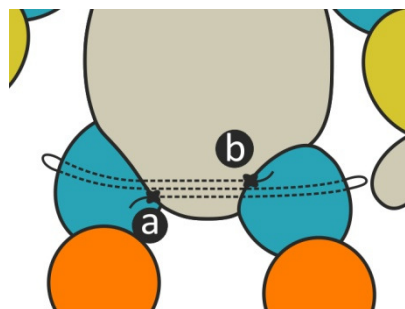


Fig.3 Threading legs. (Nut)

Hands

	Make 2 pieces. Working in continuous spiral rounds. With Light Gray yarn make 2 ch .
Rnd 1	6 sc in second ch from hook. (6 sts) Place marker at beginning of next round, move marker up with each completed round.
Rnds 2-9	Sc in each st around. (8 rounds). Stuff lightly using tweezers. Fold in half and sew a few stitches through base of hand to keep the V shape. Sew base of hand to bottom of arm.

Feet

	Make 2 piece starting at top center. Working in continuous spiral rounds. With Light Gray yarn make 2 ch .
Rnd 1	6 sc in second ch from hook. (6 sts) Place marker at beginning of next round, move marker up with each completed round.
Rnd 2	2 sc in each of next 6 st. (12 sts)
Rnd 3	[Sc in next st, 2 sc in next st] 6 times. (18 sts)
Rnd 4	[Sc in each of next 2 st, 2 sc in next st] 6 times. (24 sts)
Rnd 5	[Sc in each of next 3 st, 2 sc in next st] 6 times. (30 sts)
Rnd 6	[Sc in each of next 3 st, invdec] 6 times. (24 sts)
Rnd 7	[Sc in each of next 2 st, invdec] 6 times. (18 sts)
Rnd 8	[Sc in next st, invdec] 6 times. (12 sts)

Rnd 9	[Invdec] 6 times. (6 sts)
	Fasten off, leaving a long yarn tail for finishing. Using tweezers, stuff lightly, (you will need to keep the flat disc shape). Thread yarn tail onto yarn needle, pick up front loop only of remaining 6 stitches. Pull tight to close the hole. Fasten off. Sew a few stitches through foot to flatten. Weave in end.
	Sew back portion of foot to bottom of leg.

Panel

	Make 1 piece starting at side. Working back and forth in rows.
	Note: 1 ch at beginning of each row does not count as a st.
	With Blue yarn make 8 ch .
Row 1	Sc in second ch from hook, sc in each of remaining 6 ch to end, turn. (7 sts)
Row 2	1 ch, sc in each st to end, turn. Change to Orange yarn.
Rows 3-4	1 ch, sc in each st to end, turn. (2 rows) Change to Green yarn.
Rows 5-6	1 ch, sc in each st to end, turn. (2 rows) Change to Orange yarn.
Rows 7-8	1 ch, sc in each st to end, turn. (2 rows) Change to Blue yarn.
Row 9	1 ch, sc in each st to end, turn.
Row 10	1 ch, sc in each st to end. Fasten off. Weave in ends. To finish edge:
Rnd 1	Join Dark Gray yarn in far right stitch of first chain row. (1 ch, sc) in same st as join, sc in each of next 6 st, sc in each of next 10 row ends, sc in each of next 7 st, sc in each of next 10 row ends, Sl st to next st. Fasten off, leaving a long yarn tail for sewing. Pin panel to center front of robot body so stripes are vertical. Sew around edge of panel with back stitch. With a strand of Dark Gray yarn sew button to top center of chest just above panel.

Bolt



Head and Body

	Make 1 piece starting at crown of head. Working in continuous spiral rounds.
	With Light Gray yarn make 2 ch .
Rnd 1	6 sc in second ch from hook. (6 sts) Place marker at beginning of next round, move marker up with each completed round.

Rnd 2	2 sc in each of next 6 st. (12 sts)
Rnd 3	[Sc in next st, 2 sc in next st] 6 times. (18 sts)
Rnd 4	[Sc in each of next 2 st, 2 sc in next st] 6 times. (24 sts)
Rnd 5	[Sc in each of next 3 st, 2 sc in next st] 6 times. (30 sts)
Rnds 6-9	Sc in each st around. (4 rounds)
	Insert 6 mm safety eyes between rounds 6 & 7 , spacing them 8 stitches apart.
	Change to Blue yarn.
Rnds 10-11	Sc in each st around. (2 rounds)
	Change to Green yarn.
Rnds 12-13	Sc in each st around. (2 rounds)
	Change to Orange yarn.
Rnds 14-15	Sc in each st around. (2 rounds)
Rnd 16	Working in Back Loops Only: Sc in each st around.
Rnd 17	Working in both loops again: [Sc in each of next 3 st, invdec] 6 times. (24 sts)
Rnd 18	[Sc in each of next 2 st, invdec] 6 times. (18 sts)
	Stuff head and body.
Rnd 19	[Sc in next st, invdec] 6 times. (12 sts)
Rnd 20	[Invdec] 6 times. (6 sts)
	Fasten off, leaving a long yarn tail for finishing. Thread yarn tail onto yarn needle, pick up front loop only of remaining 6 stitches. Pull tight to close the hole. Fasten off. Weave in end.
	Using a strand of Dark Gray yarn and back stitch (Fig. 3), embroider mouth in between rounds 8 & 9 , spanning approx. 11 stitches.

Antennae

	Make 2 pieces starting at top. Working in continuous spiral rounds.
	With Orange yarn make 2 ch .
Rnd 1	6 sc in second ch from hook. (6 sts)
	Place marker at beginning of next round, move marker up with each completed round.
Rnds 2-5	Sc in each st around. (4 rounds)
	Fasten off, leaving a long yarn tail for sewing. Stuff antennae using tweezers. Sew to top of head, 2 rounds apart.

Legs

	Make 2 pieces starting at front. Working in continuous spiral rounds.
	With Light Gray yarn make 2 ch .
Rnd 1	6 sc in second ch from hook. (6 sts)
	Place marker at beginning of next round, move marker up with each completed round.
Rnd 2	2 sc in each of next 6 st. (12 sts)
Rnds 3-12	Sc in each st around. (10 rounds)
	Stuff leg.
Rnd 13	[Invdec] 6 times. (6 sts)
	Fasten off, leaving a long yarn tail for finishing. Thread yarn tail onto yarn needle, pick up front loop only of remaining 6 stitches. Pull tight to close the hole. Fasten off. Weave in end.
	Sew feet to underside of body. (See photos for exact position).

Pattern & Images © 2013 Moji-Moji Design (Janine Holmes)

This pattern is an original design and all content, including the inherent design and all images are the copyright and design right of Moji-Moji Design (Janine Holmes). Reproducing, distributing, or selling this pattern, either in the original or any modified format, via any media, whether digital or physical, is strictly prohibited