



DALEK

3D Tatting pattern by Marilee Rockley

Video demo at <https://youtu.be/JqBr9ug6xh0>

The finished Dalek measures about 2.5 inches high (6 cm) in size 20 Lizbeth thread.

Techniques used: ring, chain, picot, join, lock join, bead inside ring, pointed chain, block tatting.

Supplies:

Size 20 crochet thread, several colors

2 shuttles

21 size 4mm round beads

Assorted beads or other materials of your choice for "appendages", "eye stalk" and "dome lights".

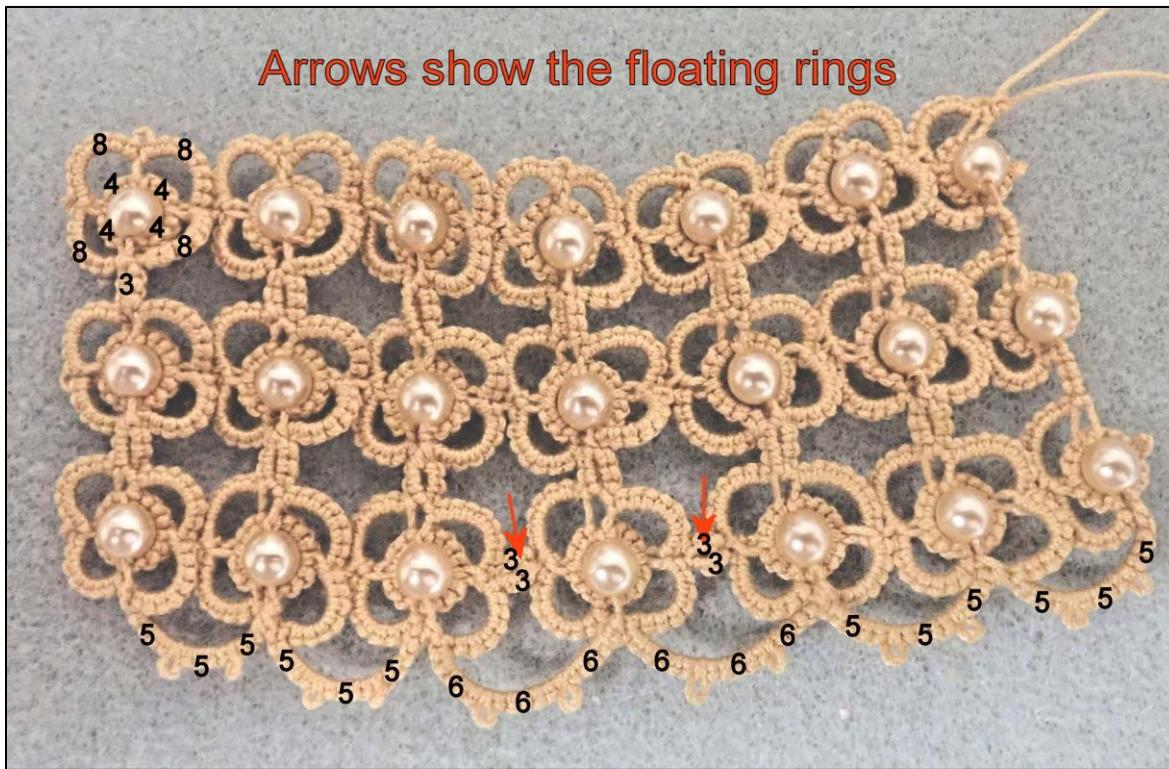
Abbreviations

Ch	Chain
DNRW	do not reverse work
+	Join
LJ	Lock join
-	Picot
--	Long picot
RW	Reverse work
R	Ring
vsp	Very small picot

Body

The body (with beads inside rings) is made in one piece. 2 shuttles with continuous thread, or just leave the shuttle attached to the ball.

Note: there are 2 floating rings (*rings thrown off chains*) at the lower center of the body, but these could be tatted as self-closing mock rings. The floating rings add a little bit of shaping and also make finding the center front easier.

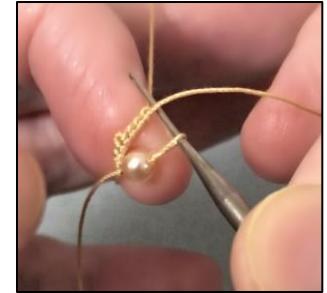


7 vertical sections make up the body. Each section is joined to the previous section as it is made.



Bead inside ring:

*Place round bead onto the shuttle thread, then secure with paper clip and tighten. Tat ring as usual, keeping bead below work. R 4 - 4, remove paper clip and join (*normal join*) to end of picot sticking out of bead, pulling the joining loop *under* the core thread, then putting shuttle through. Form a picot with 2nd half stitch. Continue the same R with 4-4, cl r. RW.



Ch 8. LJ to next picot on ring. Picot, Ch 8, LJ to next picot. Short chain of Ch 3. RW.



Repeat from * 3 times except there is not a short chain after the 3rd ring. Form a picot at the end and continue tatting the chains, lock joining to the other side of the rings to complete one section.



Bottom chain and shaping:

RW, SLT (or switch shuttles). Ch 5 - 5 - 5. DNRW. Then, begin another section from *.

Join to the previous section at the picots between the "Ch 8" chains.

Continue until the 2nd last chain of the 3rd section. Small floating ring of 3 - 3.

Then, continue with Ch 8, RW. The next bottom chain is Ch 6 - 6 - 6.



Do the same with the 4th section, adding the floating ring and making the bottom chain of Ch 6 - 6 - 6.

The next 3 sections are the same as the first 3 (with chains of Ch 5 - 5 - 5 between), except stop at the top of the last section.



Forming a tube:

To join the body into a tube, turn to have the beads facing out. Be sure to keep the ball thread accessible. Continue tatting the chains, joining to the first section between chains by pulling the joining loop through both picots. Finish with the last bottom chain of Ch 5 - 5 - 5.

Tie, hide ends, and cut.



Base

Using a contrasting color thread for the base, wind shuttle and leave attached to the ball.

Round 1: LJ to the first picot of the “6-6-6” chain.

Ch 6. LJ to next picot. Ch 8. LJ to next picot. (*This will be the front.*)

Then, continue with Ch 6, LJ to next picot all the way around.

Round 2: Ch 8. LJ between chains of previous round.

Ch 10, LJ.

Then, continue with Ch 8, LJ between chains of previous round, all around.

Base Front and Round 3:

Ch 10, RW.

R 4 + 4, joining between chains of previous round. RW.

Ch 7.

Form a point with a mock ring of only 1 double stitch and close.

Ch 7. RW.

R 4 + 4, joining between chains of previous round. RW.

Ch 10. LJ between chains of previous round.

Finish round 3 with Ch 9, LJ between chains of previous round, all around.

Tie, hide ends, and cut.



Collar

Wind shuttle with one of the colors chosen for the block tatting which will follow. Leave attached to the ball for now. The 2nd color will be added after the 2 rounds of the collar.

LJ to any picot of previous round. Ch 5 - 5, LJ to next picot, all around.

Next round, Ch 5, LJ between chains and also picots of previous round, all around.

Cut ball thread leaving a tail. Wind 2nd color onto shuttle 2 and tie the 2 colors together keeping the knot at the last join.



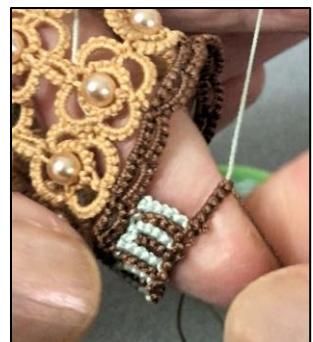
Slats

Block tatting using 2 colors.

Ch 1, vsp, 5.

With reverse order double stitch (2nd half first, 1st half second) and NOT flipped, Ch 1 vsp, 5.

Join to the vsp of previous row by pulling a loop of the core thread through the picot, then putting the other shuttle through. (*It's not a lock join.*)



Continue alternating rows of normal double stitches and reverse order double stitches.

After each 4th row, LJ between the chains of the collar. Repeat all around. Tie, hide ends, and cut.



Tips:

To make wider color slats, use SLT to switch the shuttles where desired.

When doing LJ between chains of collar, use the shuttle with the color that matches the collar (*looks better*).



Appendage box

This is tatted as a separate piece and then sewn on. Choose a color to contrast with the body.

R 4 - 4 - 4 - 4. RW. Ch 4 - 4. RW. Repeat until there are 4 rings and 3 chains. Leave tails long enough for sewing. Position the appendage box on the front of the Dalek body, either just below the slats or slightly higher to cover part of the slats. Sew in place using the tails, through the picots at the top of the rings. Tie, hide ends, and cut.



Appendages

Add your choice of appendages (*arms*) before continuing the tatting, while there is still easy access to the inside of the body.

The tan model shown uses a long bugle bead, saucer bead, and small seed bead to simulate a “suction arm”, and a medium bugle bead with seed beads between daisy spacer beads to simulate the “energy discharge weapon”. These were attached using sewing thread, tying the ends securely on the inside of the

Dalek body.

Tip: use a collapsible eye beading needle to fit through the beads, then change to your preferred needle for sewing to the tatting.

In the gray and blue model, the appendages were made of wire and beads, fastened inside the body using fine gauge wire.



Ventilation grating

2 colors. Begin with the lighter color. LJ to the top of the block tatting at the back of the Dalek.

Ch 4. LJ to 4th block chain. Ch 2 - - 2. LJ to 4th block chain. Repeat from ** all around. **Note: the picots need to be long enough to cover 2 rows of chains. Leave the light thread attached while working the next 2 rows of chains in dark thread. It will be used again.

With dark thread, Ch 4, LJ between the chains of previous round, all around for 2 rows, skipping the picots.

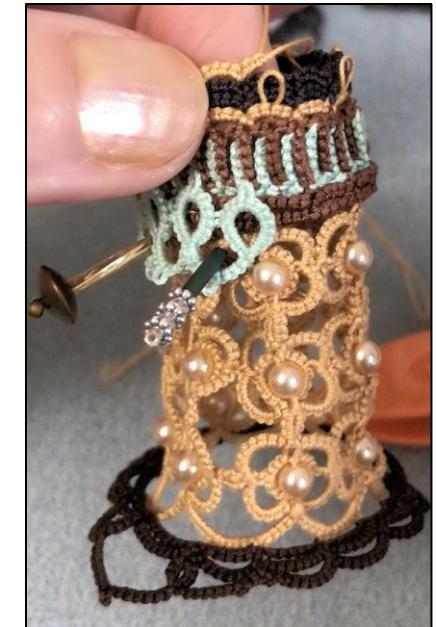
Pick up the light thread again and Ch 4, LJ between chains. Ch 2, join to long picot of previous light row, twisting the picot first. Ch 2.

Continue to do the same, alternating Ch 4 where there is no picot with Ch 2 + 2 as described where there is a picot to be joined. Then tie, hide ends, and cut.

Option: The gray and blue model has a 2nd repeat of the ventilation grating, making a taller Dalek.

Dome

Tat the dome from the top down. All joins in the dome are “normal” joins, not lock joins. The core thread slides throughout, making tension adjustments possible to control the curve of the dome shape. All picots are small.



Sew on beads for the eye stalk and dome lights after the dome is made, but before adding to the Dalek.

R 4 - 4. Ch picot, 3 - 3. Join to picot of ring.

[Ch picot, 3 - 3. Join to next picot.] Repeat for 2 rounds.

[Ch picot, 3. Join to next picot.] Repeat for 1 round.

[Ch picot, 4. Join to next picot.] Repeat for 1 round.

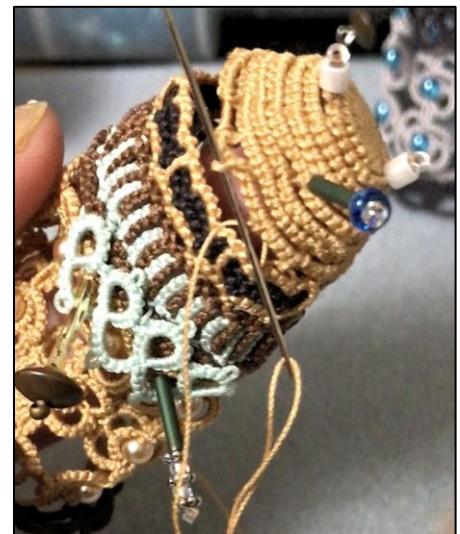
[Ch picot, 5. Join to next picot.] Repeat for 1 round.

[Ch picot, 6. Join to next picot.] Repeat for 1 round.

[Ch picot, 7. Join to next picot.] Repeat for 1 round.

[Ch picot, 4 - 4. Join to next picot.] Repeat for 1 round.

[Ch picot, 4. Join to next picot.] Repeat for 1 round.



Check to see if the dome fits the open top of the Dalek. Add more rounds or make adjustments in the stitch count as needed. Then, cut threads leaving long tails for sewing. Sew the dome onto the top of the Dalek.