Space Cat House: Rocket Crochet Guide



Prepared November 4, 2026 | Untested guide
Count adaptations and proposed finishing are identified inside.

Status, terms and sample checks

Version 1.0 | November 4, 2026 | Prototype-ready, untested guide. No independent crochet, wash, fit or structural-stability test. Supplied photos show finished references, not measured test results. This is a soft indoor house, not a carrier, restraint, rigid structure or load-bearing perch. Do not add wire, glue, hidden frames, weights or stuffing to prop up a failed sample.

US terms: ch chain; sl st slip stitch; sc single crochet; dc double crochet; inc 2 stitches in one anchor; dec sc2tog across two adjacent stitches; BLO back loop only; MR magic ring. Chains used for lifting do not count except where the Kitty base explicitly counts its ch-2 as a dc. Do not turn spiral rounds; do turn the entrance rows as stated.

Crossed single crochet (x-sc): insert under both top loops, catch the yarn UNDER the hook to draw up a loop, then yarn over and pull through both loops. Use this dense variant for the shell where sc is specified; use ordinary sc for wing edging if easier. On turned rows the reverse face will differ. Check fabric rather than assuming a particular stiffness. Dc: yarn over, insert and draw up loop, yarn over through two loops twice. Dec: draw a loop through each of next two anchors, yarn over through all three loops.

Make a swatch at least 14 stitches and 14 rows; measure a relaxed central 10 cm after the intended sample care. Record gauge, yarn lot and cleaning results. Work firmly without injuring hands. Source reference dimensions are not guaranteed finished measurements. Measure the finished house and entrance directly; the cat must be able to enter, turn and leave freely without being pushed or enclosed. Keep the opening unobstructed and the shell upright. If it collapses, traps, snags or blocks exit, remove it from use.

Space Cat materials and reference measurements

Reference yarn: Bungee Mini, 42% cotton/58% polyester, 200 g/60 m per skein. Stated purchase allowances: Petrol Blue (07) four skeins = 240 m/800 g; Ash (02) two = 120 m/400 g; Red (17) one = 60 m/200 g. Total seven skeins, 420 m/1400 g purchased; actual consumption is not measured here. Starting hook 10 mm, markers, yarn needle, scissors and tape. No stuffing or hidden frame.

Reference gauge: 9 stitches x 9 rows per 10 cm. One-size source labels: width without wings 32 cm, length 38 cm, doorway height 12 cm. At 0.9 sc/cm, the 72-stitch circumference predicts 80 cm, or about 25.5 cm circular diameter; this does not reproduce the stated 32 cm width exactly. Shape, tension and measurement orientation may differ. Retain labels as references and measure the sample. Do not promise cat-size compatibility.

The guide follows top-down construction, four triangle panels paired into TWO wings, red roof trim and two doorway edging circuits. The source does not specify a bottom draw-close, precise wing attachment span or exact row-end edging counts; those are proposed finishing details below, not tested instructions.

Space Cat roof: rounds 1-12

Use Petrol Blue. Work x-sc in a continuous spiral; no turning or joining between rounds. Mark the first stitch and move the marker each round.

Round 1: MR, 6 sc. Close and secure the start. Round 2: inc in each stitch = 12. Round 3: [1 sc, inc] 6 times = 18. Round 4: [2 sc, inc] 6 times = 24. Round 5: [3 sc, inc] 6 times = 30. Round 6: [4 sc, inc] 6 times = 36.

Round 7: [5 sc, inc] 6 times = 42. Round 8: [6 sc, inc] 6 times = 48. Round 9: [7 sc, inc] 6 times = 54. Round 10: [8 sc, inc] 6 times = 60. Round 11: [9 sc, inc] 6 times = 66. Round 12: [10 sc, inc] 6 times = 72.

Change to Ash on the last pull-through before round 13. Secure the colour tails inside through stitch bodies, without a long loose float. The source permits an earlier grey join if blue runs short; plan yarn before starting instead of assuming red trim will hide any join. No extra roof round is added.

Space Cat doorway and shell: 13-33

Round 13 in Ash: sc in BLO of all 72 stitches. Keep the unused front loops available for the later red roof line. Rounds 14-17: 72 sc each in both loops, spiral.

Row 18: ch 1, turn and work 57 sc from the inside, leaving 15 unworked across the future entrance. Ch 1 and turn. Rows 19-25: 57 sc per row, ch 1 and turn after each. This is eight open rows in total (18-25), not seven.

Row/round 26: sc across the 57 stitches, ch 15 over the gap, sl st to the first sc of this row. Count 57 + 15 = 72 anchors. Change to Petrol Blue on the final pull-through of the join or fasten Ash and rejoin Blue at that point. This is an explicit colour-join choice.

Round 27: ch 1 (not counted), sc into each of the 57 sc tops and each of the 15 chain anchors = 72. Continue in a spiral without joining. Rounds 28-33: 72 sc each. Do not add a floor insert or stuffing. Keep the doorway accessible throughout construction.

Space Cat bottom shaping: 34-44

Continue Petrol Blue, 6 repeats in every decrease round. Round 34: [10 sc, dec] 6 times = 66. Round 35: [9 sc, dec] 6 times = 60. Round 36: [8 sc, dec] 6 times = 54. Round 37: [7 sc, dec] 6 times = 48. Round 38: [6 sc, dec] 6 times = 42. Round 39: [5 sc, dec] 6 times = 36.

Round 40: [4 sc, dec] 6 times = 30. Round 41: [3 sc, dec] 6 times = 24. Round 42: [2 sc, dec] 6 times = 18. Round 43: [1 sc, dec] 6 times = 12. Round 44: dec 6 times = 6. Each repeat consumes two more anchors than its number of plain sc and produces one fewer top than it consumes.

Leave a sewing tail, draw through front loops of all 6 remaining tops and close the bottom opening. Secure and bury the tail inside through multiple stitch bodies with no exposed loop. This draw-close is a proposed finishing detail; the source simply fastens off. Check that the bottom settles on a level floor without rocking or pulling the shell inward. No rigid disk or weight is added.

Four triangles make two wings

Make FOUR identical Petrol Blue panels. Ch 9. Row 1: sc in second chain from hook and next 7 chains = 8. Ch 1 and turn after rows 1-7; lifting chains do not count. Row 2: 6 sc, dec = 7. Row 3: dec, 5 sc = 6. Row 4: 4 sc, dec = 5. Row 5: dec, 3 sc = 4. Row 6: 2 sc, dec = 3. Row 7: dec, 1 sc = 2. Row 8: dec = 1. Fasten, retaining sufficient joining yarn.

Place two matching panels together with their outlines aligned; do not fold one triangle in half. Join both layers with an sc border: one sc through paired foundation anchors, one per paired row-end along slopes, and one into the paired tip. Add a corner stitch only if needed to lie flat and record it. No tested fixed border count is given. Do not stuff. Repeat with the other two panels to make the second wing. Retain long sewing tails.

Proposed attachment: set each broad wing base vertically against one outer side of the lower blue shell, below the doorway’s lower edge, with the triangular point facing outward. Baste on opposite sides at equal heights; keep both tips off any route into the doorway and inspect the reference photo. Sew the entire broad attachment edge through the shell stitch bodies using small closely spaced stitches; return along it for a second pass, with seam and tails secured inside. This span/second pass is proposed, not a verified retention standard. Do not leave a partly attached flap or long inner yarn float. Remove basting yarn.

Roof line and entrance trim

Roof line: join Red at the unused front-loop line left by round 13. Work one sl st into each of the 72 available front loops, join to the first sl st, fasten and bury ends. This 72-loop placement is a proposed explicit interpretation of the roof-edge instruction; do not cinch the roof or bridge the entrance.

Entrance: join Red at a lower corner. Work two complete sl-st circuits around the hole, joining each to its first sl st. Start with one per available top/bottom chain anchor and one per turned-row end along the eight-row sides. Corner transitions may need sample adjustment; use matched placements on left/right, record totals and stop if the edging shrinks the opening. The second round works in first-round tops with a loose enough tension to preserve access. No tested fixed entrance perimeter count is claimed.

Check both wings, roof trim, bottom closure and inner tails. Actual entry width/height, floor stability and roof stiffness must be assessed after all edging and cleaning. No process photos are supplied; finished close-ups are references only.

Finishing, care and use record

Work on a level indoor floor with access from the front clear. Before considering animal use, check the empty house by gently moving the shell and entrance, inspect every seam and tail, and confirm the roof does not sag into or close the opening. This is a practical sample check, not a structural certification. Let the individual cat investigate voluntarily; do not force entry. Supervise initial use and remove if it collapses, tips, snags claws, sheds yarn, obstructs access or attracts chewing. Wings/ears must not become loose play parts. Never lift or carry the house with a cat inside.

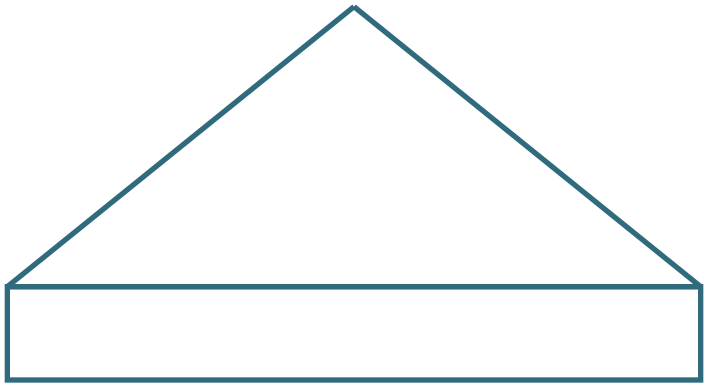
Follow actual yarn labels and test cleaning on a separate swatch first. No machine-washability, drying speed, colourfastness or dimensional retention is established. Dry fully, reshape only as the yarn permits and recheck stability after cleaning. A different yarn or gauge can change the entire structure even at unchanged counts.

For a different yarn, unchanged-count width is roughly old sample width x old stitch gauge / new stitch gauge, and height scales with row-gauge ratio. This is only a planning estimate; no tested size grading or alternative entrance schedule is supplied. Do not resize by randomly inserting rounds or tightening the doorway. If the individual cat cannot use the sampled opening comfortably, choose another design or develop and test a separate graded sample.

Record yarn/lot____ hook____ stitch/row gauge____ actual widest width____ overall length____ entrance clear width/height____ shape after cleaning____ seam/trim checks____ floor stability____ access and exit observation____ actual yarn consumption____ modifications____.

Care reference: Cats Protection, How to choose the best cat bed, https://www.cats.org.uk/cats-blog/how-to-choose-the-perfect-cat-bed . General placement and access guidance; not certification of these patterns.

Construction map and finished references



PROPOSED COUNT MAP / NOT TO SCALE / NOT A TESTED SHAPE

Roof: 6 > 72

Entry rows: 57

Bridge: +15 = 72

Bottom: 72 > 6

Space Cat opening and side wing detail



Finished reference only. No process photograph or independent structure test is implied.

Space Cat front view with cat



Finished reference only. No process photograph or independent structure test is implied.

Space Cat overhead finished view



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