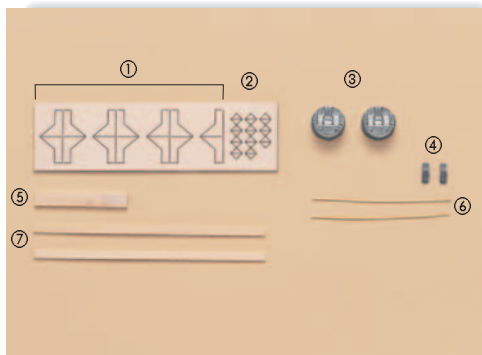




Machine-guns with shielding, decking and hangar supports



- ① Hangar supports x 14
- ② Hangar supports x 22
- ③ Machine-guns with shielding x 2
- ④ Machine-guns with shielding x 2
- ⑤ Board
- ⑥ Wire
- ⑦ Planking x 2

Recommended tools and materials

- Fast-drying glue
- Wood glue
- For metal: Super Glue Gel or Two-part epoxy glue
- Metal file
- Sandpaper (grain nos. 240, 400, 800)
- Craft knife
- Double-sided adhesive tape
- Adhesive tape
- Pliers
- Putty
- Pencil
- Tracing paper
- Tissue paper
- Protective tape
- Metal primer
- Paint primer
- Paint spray (iron grey and battleship grey)
- Watercolour (battleship grey and matt black)
- Colouring varnish

MACHINE-GUNS WITH SHIELDING

1 Take a piece **3**, as shown in the photo, and fix a piece **4** in the central cavity, using metal glue. If necessary, smooth with the metal file and sandpaper to get a better fit. You have made a base of a machine-gun with shielding. Assemble the other.



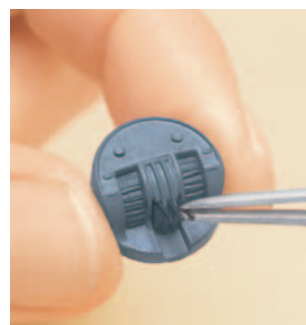
4 Take the bases of the machine guns with shielding, as shown in the photo. Mix equal parts of battleship grey and matt black watercolour and paint the two cavities of piece **3**. Take care not to let the paint go beyond the cavities.



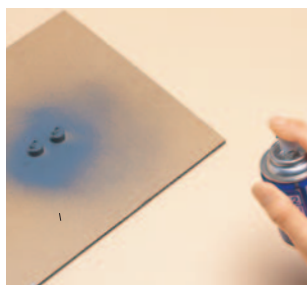
2 With the pliers, cut piece **6** into six lengths of 6mm. To make the operation simpler, secure the wire to piece **5** with double-sided adhesive tape and cut to length. With the metal file, smooth the ends of the wires. You have made the barrels of the machine-guns.



5 Apply fast-drying glue to the tips of the barrels and fix them into the respective holes of piece **4**. When ready, store carefully for assembly later.



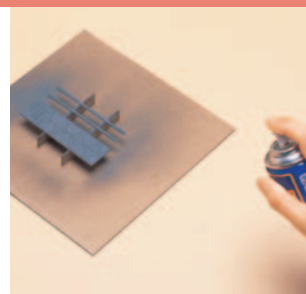
3 Spray the metal primer on the base of the machine-guns and allow to dry. Spray a light and even coat of battleship grey paint, repeating the operation several times from different angles. Repeat the operation with the barrels, using the iron grey paint.



⚠ When using metal primer and the spray paint, ventilate the room well and follow the instructions on the packaging.

HANGAR SUPPORTS

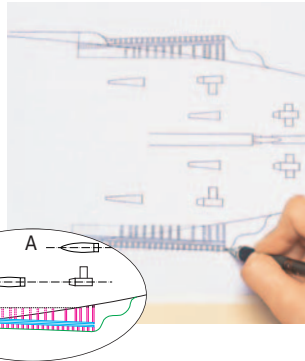
6 Spray pieces **1** and **2** and both sides of piece **7** with the paint primer. Allow to dry thoroughly, then spray with several light and even coats of battleship grey paint. The operation will be easier if you fix the pieces to a base with double-sided adhesive tape before spraying.



7 When the paint is completely dry, detach pieces **1** and **2** from the backing. Cut the joints by inserting the blade of the craft knife in the indents, then smooth the edges of the pieces with sandpaper grain no. 400.



8 As shown in the photo, take the plan provided and place the tracing paper over it, matching the upper corner with the lines 'a' and 'b' (Figure A). Then, trace the lines shown in red, blue and green. Keep the plan for later use.



9 Turn the body of the ship over and position it as shown in the photo (right). Insert the paper traced in Step 8 face down, underneath the ship. Trace the lines in red, blue and green onto the body of the ship, as shown in Figure A.



10 Smooth the edges of a piece **1** with sandpaper grain no. 400. With wood glue, fix the piece **1** between the two red lines on the stern side. If the end of the piece crosses the blue line, file it away.



11 With wood glue, fix the two pieces **7** either side of the blue line. Before doing so, insert one end of the pieces **7** into the hangar so the other end aligns with piece **1**, cutting the pieces to length with the craft knife if necessary.



12 As in Step 10, glue the remaining pieces **1** between piece **7** and the body of the ship, aligning them with the red lines previously traced. In the empty area of the rear deck, securely fix the two edges of pieces **1** to the body of the ship and piece **7**.



13 With wood glue, fix pieces **2** on the red lines in front of piece **7**. Do the same on the rear deck. The unpainted areas of pieces **1** and **2** will be painted with the body of the ship.



THE DECK

14 Take the deck so far assembled and use leftover planks to fill any spaces, applying wood glue and inserting them into the gaps (right, above). Once the glue has dried, remove any excess with the craft knife (right, below).



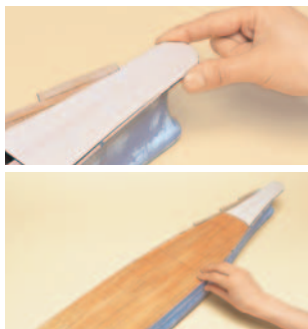
15 Smooth the surface of the deck lightly with sandpaper grain no. 400. Dilute the paint according to the instructions and spread a light layer over the surface of the deck. Repeat until an even covering is achieved.



HOW TO PAINT THE DECK

In this example maple is used, but the colour can be changed according to taste (for the mission to Okinawa, the deck was painted black, and if you like you can adopt that variation). Follow the instructions on the packaging when mixing two colours. Applying watercolour on the surface of the deck will prevent excessive penetration of the paint in gaps between the slats. Before painting the deck, you should test the paint on a sample of slats glued to a piece of wood.

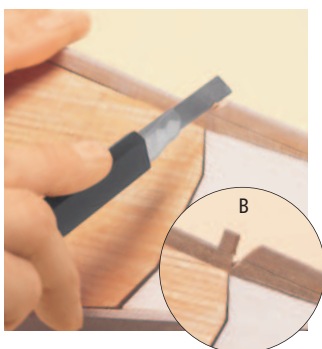
16 Position the hull as shown in the photo, and with fast-drying glue attach the bow deck, making sure it fits the frame perfectly. With double-sided adhesive tape, temporarily fix the deck onto the body of the ship, so it can be removed easily.



17 If there are any gaps between the strakes and the sides of the deck, seal them by applying glue and squeezing the sides of the ship. Take care not to damage the body of the ship. Minor gaps can be remedied later.



18 Trim the excess from the planks on the forward deck. Using the craft knife, gently scrape away a V shape at the point that the forward deck meets the deck, as shown in photo B.



19 Trim the strakes in the bow area, starting from the cut created in Step 18, repeating the operation on the upper part of the deck. To achieve this, make light repeated cuts with the blade of the craft knife, taking care not to damage the planks.



20 With leftover planks, fill in any areas that sit below the level of the decking. Place the body of the ship as shown in the photo, and fix the planks with wood glue, aligning them with the rest of the deck. If one piece of plank is not enough, overlay another.



21 Trim the excess of the strakes as described in Step 20. First, cover the deck with tissue paper to avoid damaging the surface with the tip of the craft knife. Repeat this operation on the opposite side of the deck.



22 Cover the edges of the deck with protective tape to prevent scratches. Smooth the edges of the planking glued in Step 20, using sandpaper grain no. 240.



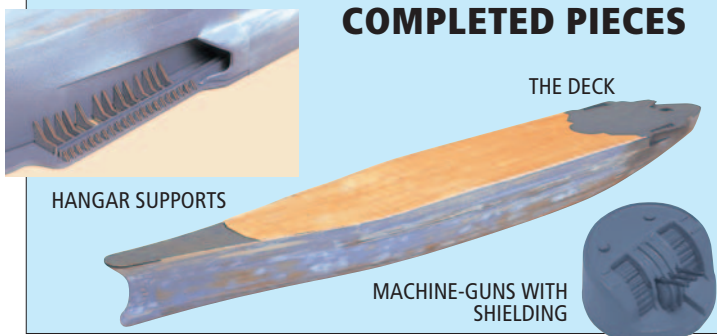
23 With fast-drying glue, fix the metal foredeck to the bow deck. Align the edges as accurately as possible. If any excess planking overhangs the edge, adjust the foredeck so that the surplus is equal on the port and starboard sides.



24 Check the body of the ship for any gaps. If there are any spaces, use leftover planks to make wedges that fit the gaps, then fix them in place with wood glue. Once the glue has dried, remove the excess, as in Step 14.

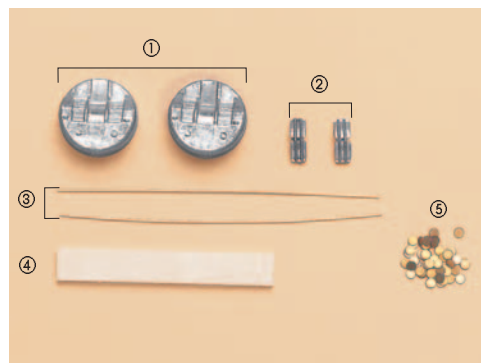


COMPLETED PIECES





Machine-guns with shielding and the portholes



- ① Machine-guns with shielding x 2
- ② Machine-guns with shielding x 2
- ③ Wire
- ④ Slat
- ⑤ Portholes x 50

In addition to the pieces for mounting, there is also a drawing included in the package

Recommended tools and materials

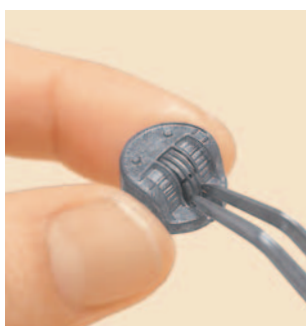
- Fast-drying glue
- Metal file
- Sandpaper (no. 240, 800)
- Craft knife
- Double-sided adhesive tape
- Pliers
- Set-square
- Adhesive tape
- Awl
- Hand drill (diameter 1.5 mm)
- Putty
- Pencil
- Metal primer
- Paint primer
- Spray paint
- (battleship grey, iron grey)
- Watercolour (battleship grey, matt black)
- Wood primer

MACHINE-GUNS WITH SHIELDING

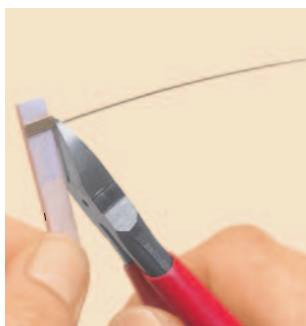
25 Smooth pieces 1 and 2, using the metal file to remove any irregularities. After an initial filing, smooth with sandpaper grain no. 800. If there are holes or hollows on the surface, correct them by applying putty.



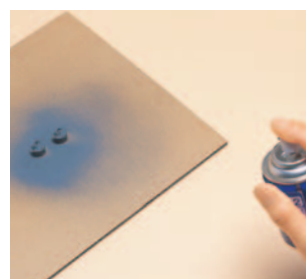
26 Take a piece 1, as shown in the photo, and fix piece 2 in the central cavity with fast-drying glue. You have created the base of a machine-gun with shielding. Assemble the other.



27 Cut the wire 3 with the pliers to get six pieces, 6mm in length. To perform this operation, take piece 4 and, as shown in the photo, match one end of the wire to it and secure with double-sided adhesive tape. Smooth with the metal file to make them all the same length. You have made the barrels of the machine-guns.



28 Spray the metal primer on the base of the machine-guns and allow to dry. Then, spray with battleship grey paint, repeating the operation several times from different angles.



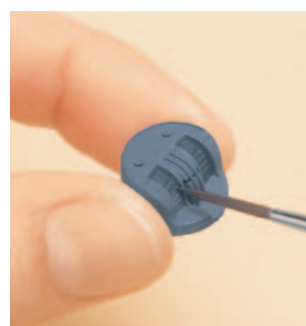
⚠ When using metal primer and paint spray, ventilate the room well and follow the instructions on the packaging.

29 As in Step 28, spray the machine-gun barrels with metal primer, allow to dry, then repeat the operation using iron grey paint. Spray several times from different angles, ensuring an even coverage.

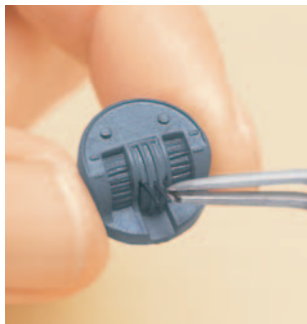


⚠ When using metal primer and paint spray, ventilate the room well and follow the instructions on the packaging.

30 Mix equal parts of battleship grey and matt black paint. Take the bases of the machine-guns with shielding as shown in the photo, and paint the two cavities of piece 1. Take care not to let the paint go beyond the cavities.



31 Apply fast-drying glue to the ends of the barrels. Insert them into the respective holes of piece 2. When ready, store carefully for later use.



36 Once the the surface of the hull is completely smooth, place the structure on a base, as shown in the photo, and spray the keel and the sides with wood primer.



⚠ When using wood primer and paint spray, ventilate the room well and follow the instructions on the packaging.

THE PORTHOLES

32 Take the hull so far assembled and with the craft knife, trim the foredeck planks that protrude beyond the metal deck. Shape the planks to the curve of the hull.



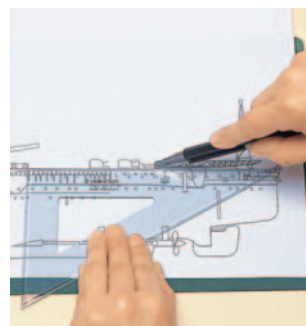
37 Allow the primer to dry, then smooth the hull with sandpaper grain no. 800 to remove any residue.



33 After eliminating the bulk of the protruding planks with the craft knife, smooth with sandpaper grain no. 240. File so that the edge of the deck follows the curve of the hull (area circled in red).



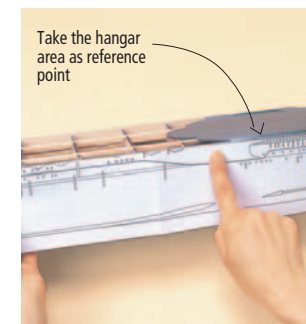
38 Take the plan of the side of the hull (port side), and place the set-square on the line of the deck. Cut along the line with the craft knife. The part of the drawing above the deck is no longer needed.



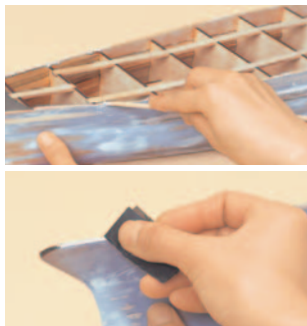
34 Remove the wooden deck from the hull, taking care not to damage either of the parts.



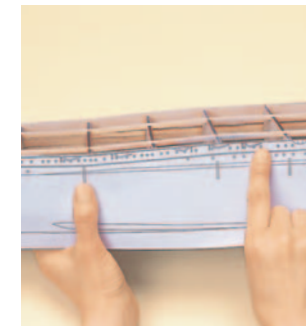
39 Place the plan on the port side of the hull. Align the drawing with the upper end of the hull, using the hangar area at the stern as a reference point.



35 Apply putty to any gaps between the forward deck and the hull or between the planks, using a leftover plank. When the putty is dry, smooth with sandpaper grain no. 240. If necessary, repeat the operation.



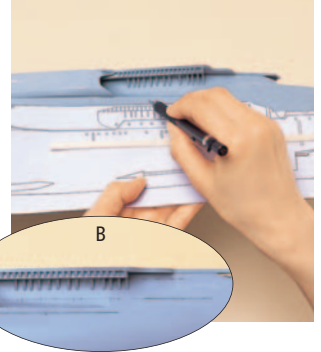
40 Fix the plan placed in Step 39, using adhesive tape. Secure the plan at two or three points towards the middle of the hull, where the ship's side is almost flat. It is not necessary to fix the plan both fore and aft.



41 Using the plan, transfer the position of the portholes onto the hull. To do this, press the awl in the centre of the portholes drawn on the plan, as shown in the photo, to make a mark on the hull. Mark the positions of the coloured circles and the larger blank circles. Do not mark the circles toward the bow and stern.



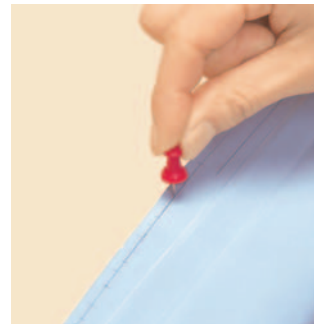
46 Taking as reference the distance from the bridge or the hangar, transfer the position of the portholes onto the hull aft. As in Step 43, draw a line linking the portholes and transfer their positions as in Step 45 (photo B).



42 Remove the drawing and, with a pencil, lightly draw a line linking the portholes. You can use a leftover strake as a ruler.



47 On the top line (drawn in Step 43), press the awl on the marked portholes and make small holes. It is not necessary to do this for the portholes on the bottom line or those sternward.



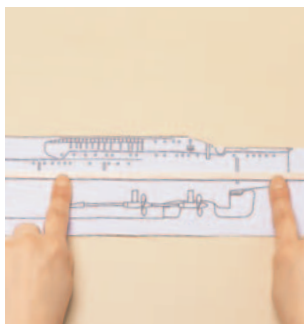
43 Extend the line marked in Step 42 to the bow of the ship. Checking the distance between the drawing and the upper edge of the strakes, draw two more lines, one above and one below, as far as the bow.



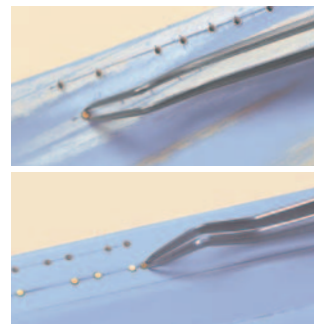
48 Deal with the small portholes on the upper line of the forward part of the ship (slightly coloured in the plan). With a 1.5mm diameter drill, make holes through the planks in the places previously marked with the awl. The holes should be approximately 3mm deep.



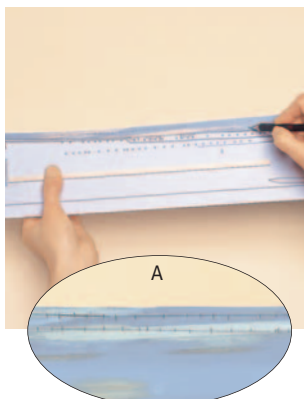
44 On the bow and stern parts of the plan, fix a leftover strake with double-sided adhesive tape so you can hold the drawing easily. Leave as much of the drawing uncovered as possible.



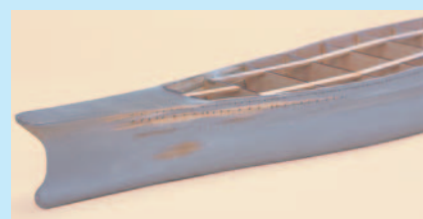
49 Apply fast-drying glue to the underside of some pieces 5 and fix them, one by one, on the marks of the lower line of portholes. Make sure that the centre of each piece is accurately positioned on the reference line. Keep the drawing for use later.



45 Place the drawing against the side of the ship, as shown in Step 39. Position it so that the bow part of the plan is flush with the ship's flat side. As shown in the photo, the plan will extend beyond the hull. Transfer the positions of the portholes onto the reference lines drawn in Step 43 (photo A).



COMPLETED PIECES



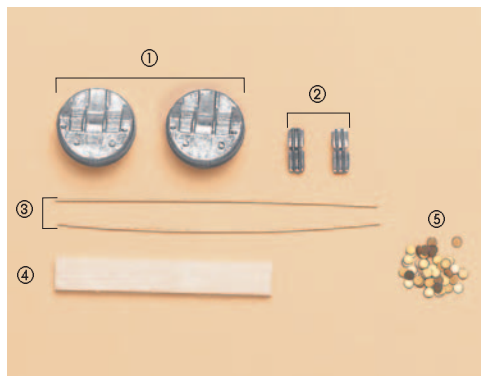
PORTHOLES

MACHINE-GUNS WITH SHIELDING





Machine-guns with shielding and the portholes



- ① Machine-guns with shielding x 2
- ② Machine-guns with shielding x 2
- ③ Wire
- ④ Slat
- ⑤ Portholes x 50

Recommended materials and tools

- Fast-drying glue
- Metal file
- Sandpaper (grain no. 800)
- Craft knife
- Pliers
- Double-sided adhesive tape
- Putty
- Awl
- Hand drill (diameter 1.5mm)
- Metal primer
- Spray paint (battleship grey, iron grey)
- Watercolour (battleship grey, matt black)

MACHINE-GUNS WITH SHIELDING

50 Smooth pieces 1 and 2, using the metal file to remove any irregularities.



53 If there are holes or hollows on the surface, correct them by applying putty with the tip of the craft knife, or a plank.



51 After an initial filing, smooth with sandpaper grain no. 800, being careful not to damage the original shape.



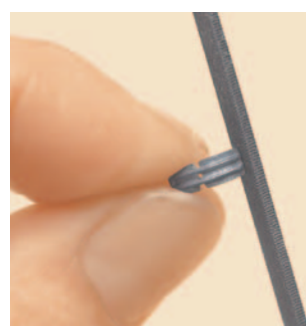
54 When the putty is completely dry, smooth with sandpaper grain no. 800.



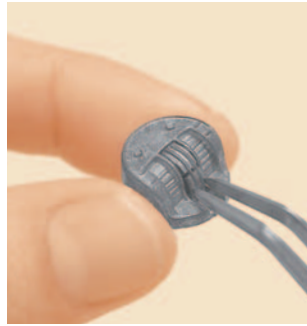
52 Where the sandpaper cannot reach, use the blade of the craft knife, taking care not to damage other parts of the pieces or cut yourself.



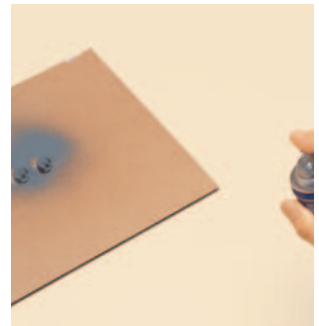
55 Following Step 56, insert a piece 2 in the central cavity of a piece 1. If it does not fit perfectly, adjust it with the file and sandpaper. Take piece 2, as shown in the photo, and smooth the edge to make it fit perfectly to the curve of piece 1.



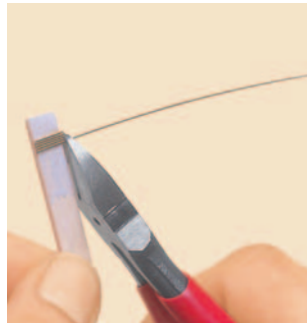
56 Holding the piece 1, as shown in the photo, fix to piece 2 with fast-drying glue. You have now made a base of a machine-gun with shielding. Following the same procedure, assemble the other.



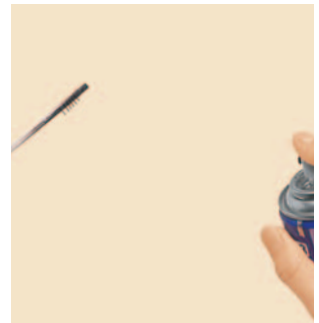
61 Repeat the operation several times from different angles, allowing the paint to dry each time.



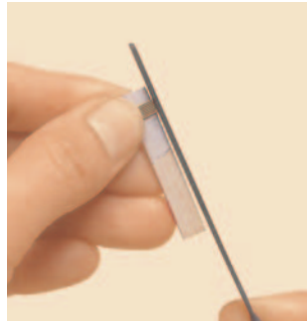
57 Cut the wire 3 with the pliers to get six pieces 6mm in length. To perform this operation, take piece 4 and, as shown in the photo, match one end of the wire to it and secure with double-sided adhesive tape.



62 Following Steps 59, 60 and 61, paint the barrels of the machine-guns. After spraying the metal primer, give a light and even coat of iron grey paint several times, from different angles.



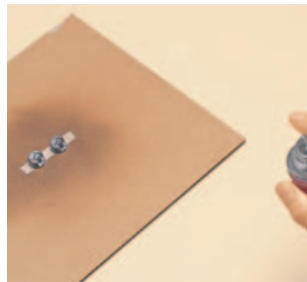
58 With the metal file, smooth the ends of the wires 3, so that they are all the same length. You have now made the barrels of the machine-guns.



63 Take the bases of the machine-guns with shielding, as shown in the photo. Mix equal parts of battleship grey and matt black watercolour paint, and paint the two cavities on the right and left. Take care not to let the paint go beyond the cavity.

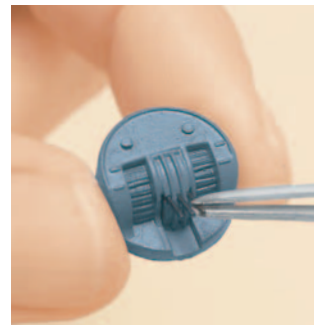


59 Spray the metal primer evenly on the bases of the machine-guns with shielding from a distance of about 30cm. The operation will be simpler if you secure the pieces to a base with double-sided adhesive tape.

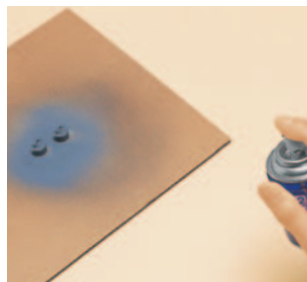


💡 When using metal primer, ventilate the room well and follow the instructions on the packaging.

64 Take the bases of the machine-guns, and insert the barrels in the respective holes in pieces 2. Apply fast-drying glue to the tips of the barrels. Fix them firmly. When ready, store them carefully. They will be mounted in later stages of assembly.



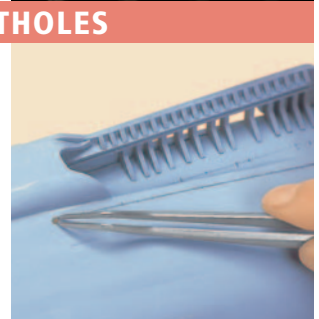
60 When the metal primer is completely dry, spray a light and even coat of battleship grey paint from a distance of about 30cm, taking care not to cover the original shape.



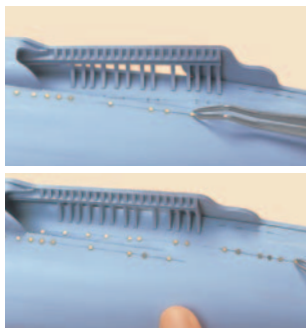
💡 When using spray paint, ventilate the room well and follow the instructions on the packaging.

THE PORTHOLES

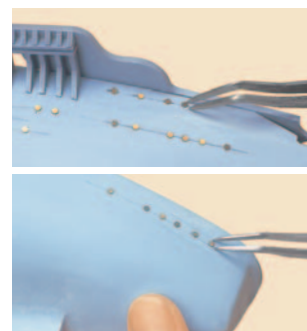
65 Take the hull and proceed to glue pieces 5 on the port side, aft. Following the marks already made, glue one piece 5, starting from the bow on the line of portholes below the hangar. Take care not to use too much glue.



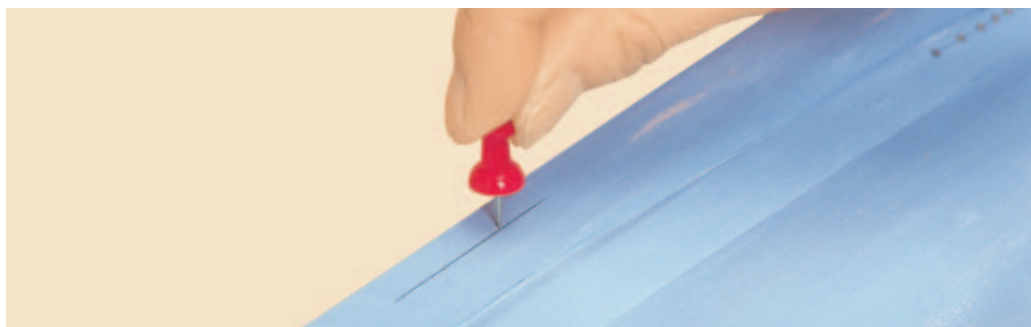
66 When fixing the portholes, align the centre of the pieces accurately along the line. Glue the portholes along the upper line also.



71 Glue the portholes along the bottom line, taking care that the centre of the portholes are accurately aligned.



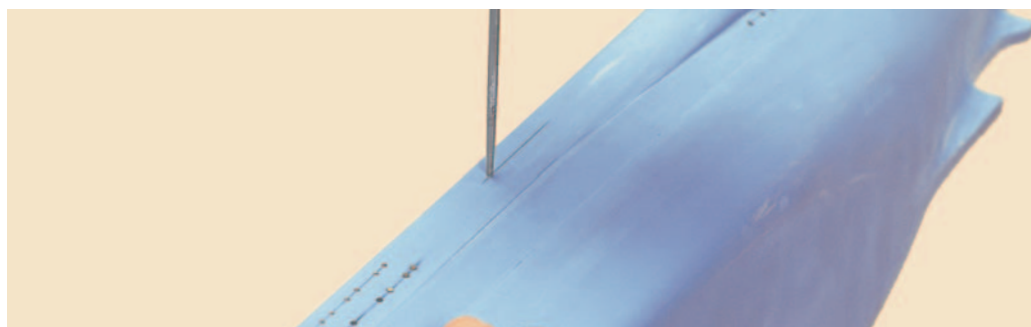
67 Now, proceed with the larger portholes indicated on the drawing. First, make a small hole by pressing the awl on the marks made in Step 41.



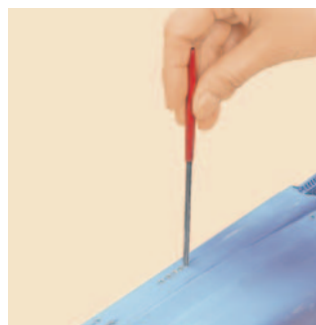
68 Finish the hole with the 1.5mm diameter drill.



69 Using the drill, the awl or a small round file, enlarge the hole to 2mm. If you use the latter, enlarge the hole by inserting the file and rotating it, as shown in the photo.

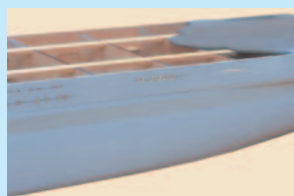


70 Repeat the operation, making another four holes.



COMPLETED PIECES

PORTHOLES

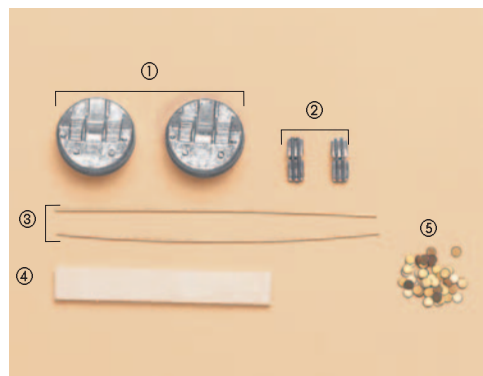


MACHINE-GUNS WITH SHIELDING





Machine-guns with shielding and the portholes



- ① Machine-guns with shielding x 2
- ② Machine-guns with shielding x 2
- ③ Wire x 2
- ④ Slat
- ⑤ Portholes x 50

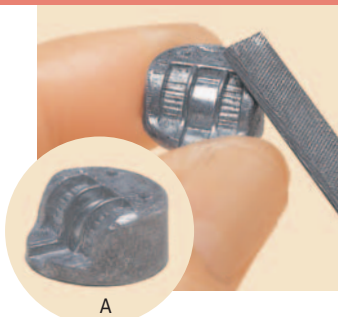
In addition to the pieces, the pack also includes a drawing

Recommended tools and materials

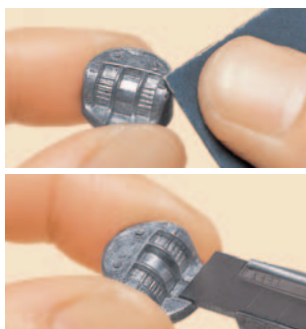
- Fast-drying glue
- Metal file
- Sandpaper (grain no. 800)
- Craft knife
- Double-sided adhesive tape
- Set-square
- Pliers
- Adhesive tape
- Awl
- Hand drill (diameter 1.5mm)
- Putty
- Pencil
- Metal primer
- Spray paint (battleship grey, iron grey)
- Watercolour (battleship grey, matt black)

MACHINE-GUNS WITH SHIELDING

72 Smooth pieces 1 and 2, eliminating irregularities in shapes with the metal file. Unlike those assembled to date, these guns have rounded edges. Checking against figure A, take care to maintain the rounded shape.



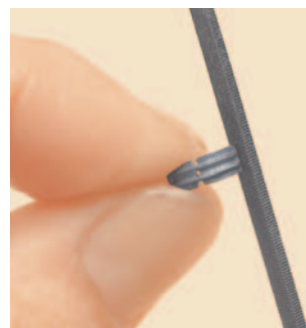
73 After an initial filing, smooth pieces 1 and 2 with sandpaper grain no. 800, being careful not to damage the original shapes.



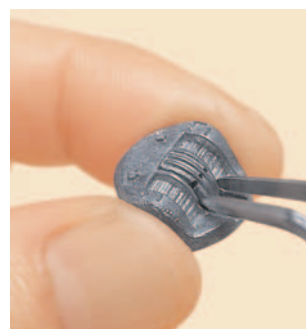
74 Where the sandpaper cannot reach, use the blade of the craft knife, being careful not to damage other parts of the pieces or cut yourself. If there are holes or hollows on the surface, correct them by applying putty with the tip of the craft knife, or a plank.



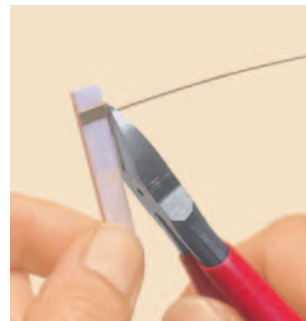
75 Checking against Step 5, insert a piece 2 in the central cavity of a piece 1. If it does not fit perfectly, smooth it with the file and sandpaper. Take piece 2, as shown in the photo, and smooth the edge to make it fit perfectly to the curve of piece 1.



76 Holding the piece 1, as shown in the photo, fix to piece 2 with fast-drying glue. You have now made a base of a machine-gun with shielding. Following the same procedure, assemble the other.



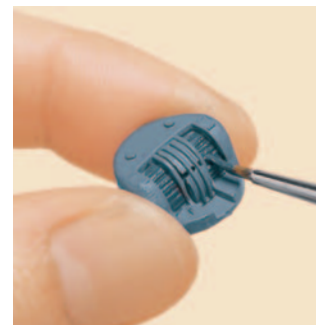
77 Cut the wire 3 with the pliers to get six pieces 6mm in length. To perform this operation, take piece 4 and, as shown in the photo, match one end of the wire to it and secure with double-sided adhesive tape.



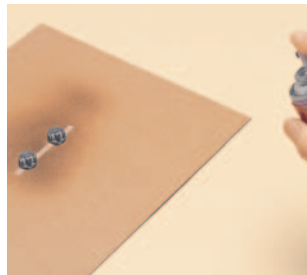
78 With the metal file, smooth the ends of the wires **3**, so that they are all the same length. You have now made the barrels of the machine-guns.



83 Take the bases of the machine-guns with shielding, as shown in the photo. Mix equal parts of battleship grey and matt black watercolour, and paint the two cavities on the right and left. Take care not to let the paint go beyond the cavity.



79 Spray the metal primer evenly on the bases of the machine-guns with shielding from a distance of about 30cm. The operation will be simpler if you secure the pieces to a base with double-sided adhesive tape.

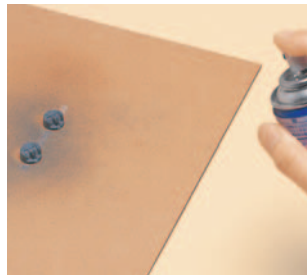


84 Take the bases of the machine-guns and insert the barrels in the respective holes in pieces **2**. Apply fast-drying glue to the tips of the barrels. Fix them firmly. When ready, store them carefully. They will be mounted in later stages of assembly.



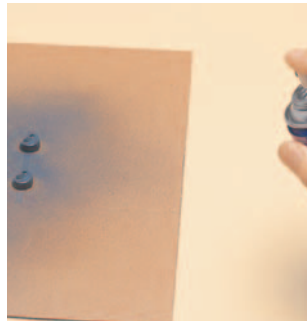
⚠ When using metal primer, ventilate the room well and follow the instructions on the packaging.

80 When the metal primer is completely dry, spray a light and even coat of battleship grey paint from a distance of about 30cm, taking care not to disguise the original shape.



⚠ When using spray paint, ventilate the room well and follow the instructions on the packaging.

81 Repeat the operation several times from different angles, allowing the paint to dry each time.



THE PORTHOLES

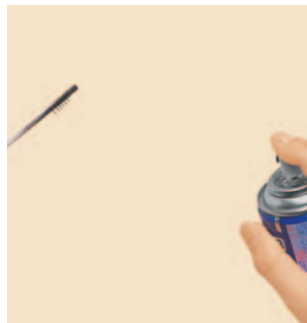
85 Take the drawing of the side of the hull (the port side), place the set-square on the line of the deck and cut with the craft knife. The part of the drawing above the bridge is no longer necessary.



86 Place the drawing on the starboard side of the hull. Taking as reference point the hangar area at the stern, align the drawing with the upper end of the hull and secure it with adhesive tape. Attach it to the upper end at two or three points towards the middle of the hull where the ship's side is almost flat.



82 As in Steps 79, 80 and **81**, paint the barrels of the machine-guns. After spraying the metal primer, give a light and even coat of iron grey paint. Repeat as necessary.



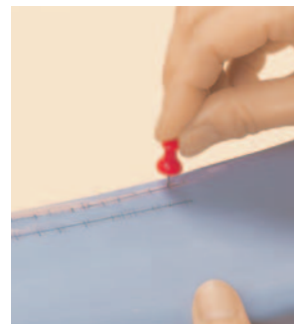
87 In the middle of the hull, where the ship's side is almost flat, transfer the position of the portholes onto the hull. As shown in the photo, press the awl in the centre of the small circles on the drawing, so making a mark on the hull. Do this with the painted circles and the larger blank ones. The circles toward the bow and stern will be transferred later.



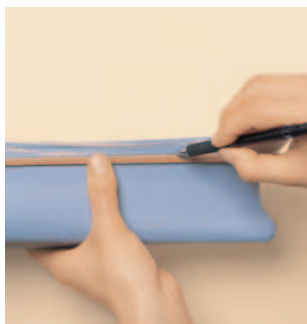
88 Remove the drawing and with a pencil, lightly draw a line linking the portholes. You can use a leftover strake as a ruler.



93 On the top line (drawn in Step 89), press the awl on the marked portholes and make small holes. It is not necessary to do this for the portholes on the bottom line or those sternward.



89 Extend the line marked in Step 88 to the bow of the ship. Checking the distance between the drawing and the upper edge of the strakes, draw two more lines, one above and one below, as far as the bow.



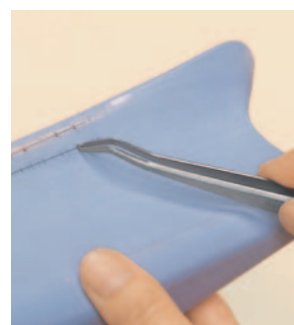
94 Take care of the small portholes on the forward part, precisely those on the upper line, slightly coloured in the drawing. With a 1.5mm diameter drill, make holes through the strakes where the awl has pressed. For the portholes on the frame, the holes should be approximately 3mm deep.



90 On the bow and stern parts of the plan, fix a leftover strake with double-sided adhesive tape so you can hold the drawing easily. Leave as much of the drawing uncovered as possible.



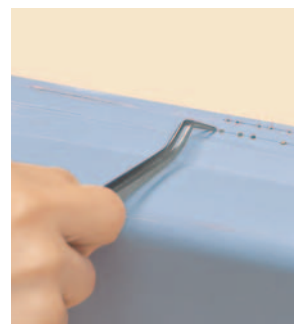
95 Apply fast-drying glue to the back of some pieces **5** and fix them, one by one, on the marks of the lower line of portholes.



91 Place the drawing against the side of the ship, as shown in Step 86. Position it so that the bow part of the plan is flush with the ship's flat side. As shown in the photo, the plan will extend beyond the hull. Transfer the positions of the portholes onto the reference lines drawn in Step 89.



96 Make sure that the centre of each piece is accurately positioned on the straight line. Keep the drawing for use later.



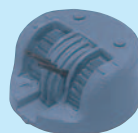
92 Working from the position of the bridge or the hangar, transfer the position of the portholes onto the hull aft, as in Step 87. As in Step 90, draw a line linking the portholes and transfer their positions (photo, right).



COMPLETED PIECES



PORTHOLES



MACHINE-GUNS WITH SHIELDING