

Royal Navy aircraft carrier **HMS ARK ROYAL** **1970-78** **Resin and etched brass kit, 1/700**

History

The Audacious class aircraft carrier HMS Ark Royal was built at Cammell Lairds on Merseyside and launched in 1950. She was the first aircraft carrier to be designed and built with an angled flight deck and steam catapults, although many alterations were made during the course of her career. These changes culminated in a refit completed in 1970 to allow F-4K Phantom and Buccaneer Mk 2 aircraft to be operated. Already 20 years old, the refit did no more than recondition her boilers and machinery, but using parts from sister ship Eagle she was able to continue in service past the intended exit date of 1975. In 1976 Ark Royal was the subject of the television documentary 'Sailing', bringing her iconic status in the UK. She was decommissioned in early 1979, bringing to an end at that time the presence in the Royal Navy of an aircraft carrier capable of launching fixed wing aircraft until the launch of HMS Queen Elizabeth in 2017.

Technical details (as in 1978)

Length 804 ft (245m); Beam 171ft (52m); Displacement 43,060 tons 53,950 tons full load; Speed 31.5 knots

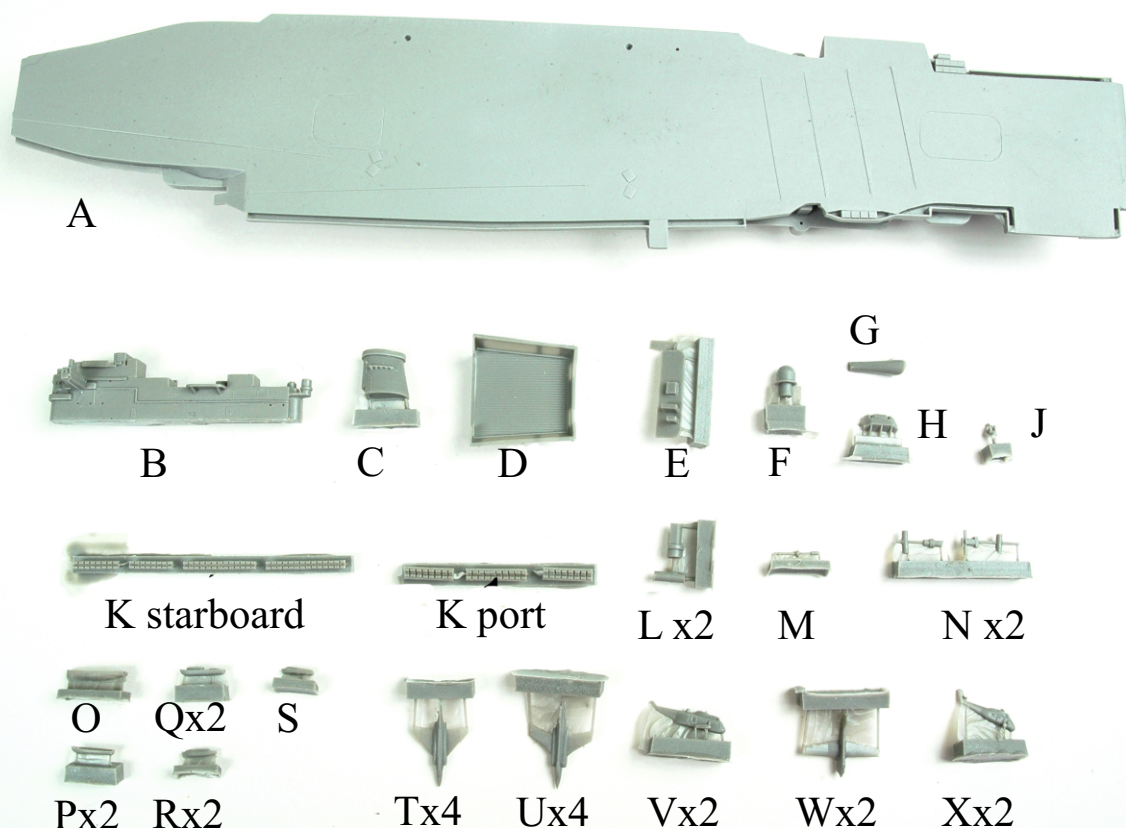
Model Construction

This kit contains a mixture of resin and photo etched metal small parts, of which some of the resin parts have been attached to sprues for ease of casting.

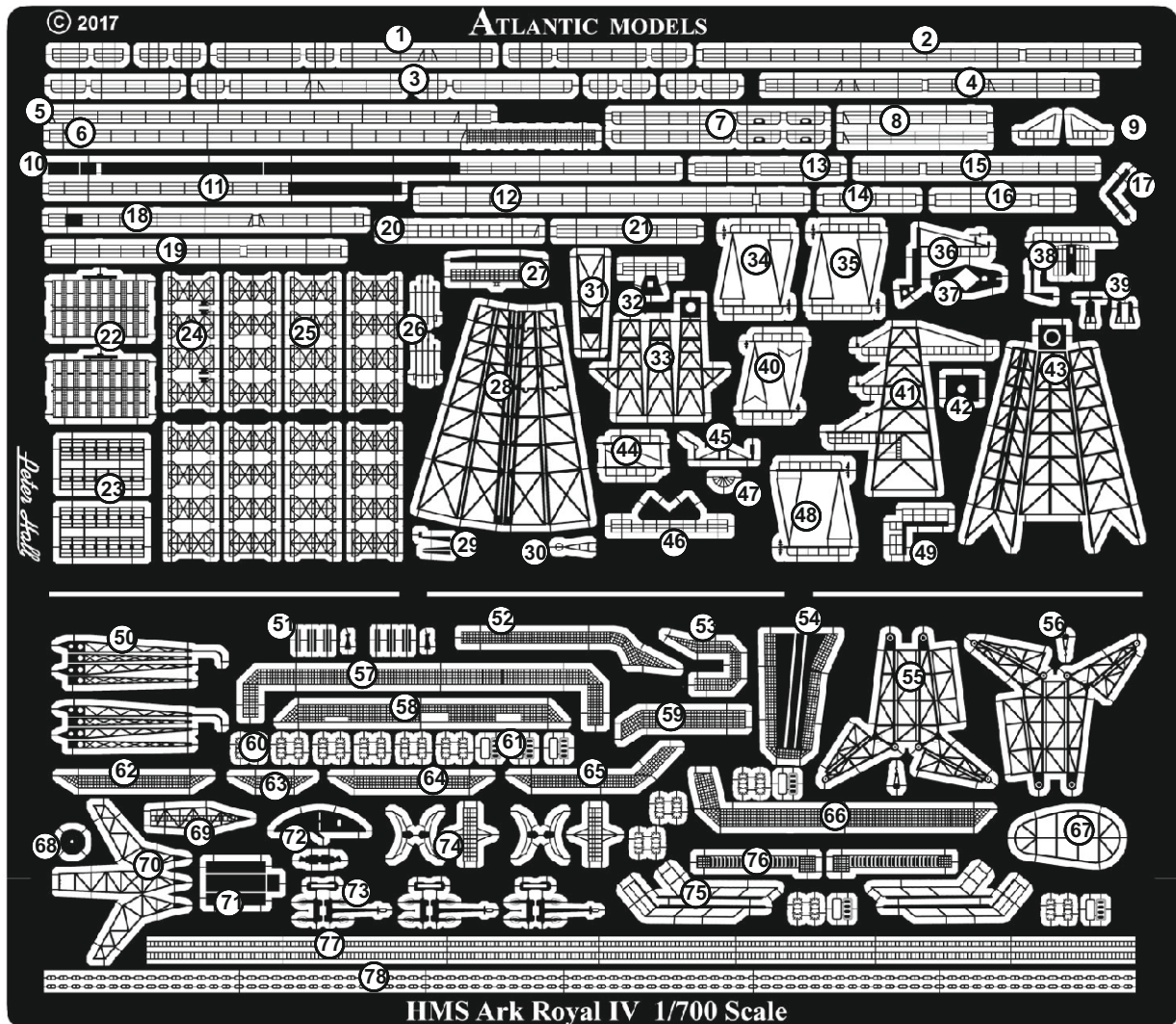
Care must be taken when detaching the parts from the sprues, to remove the flash without causing damage.

When cleaning off the excess material using files or abrasive paper, it is recommended that a mask is worn as resin dust can be harmful to health if inhaled.

Resin parts list



Etched brass Parts List - Ship

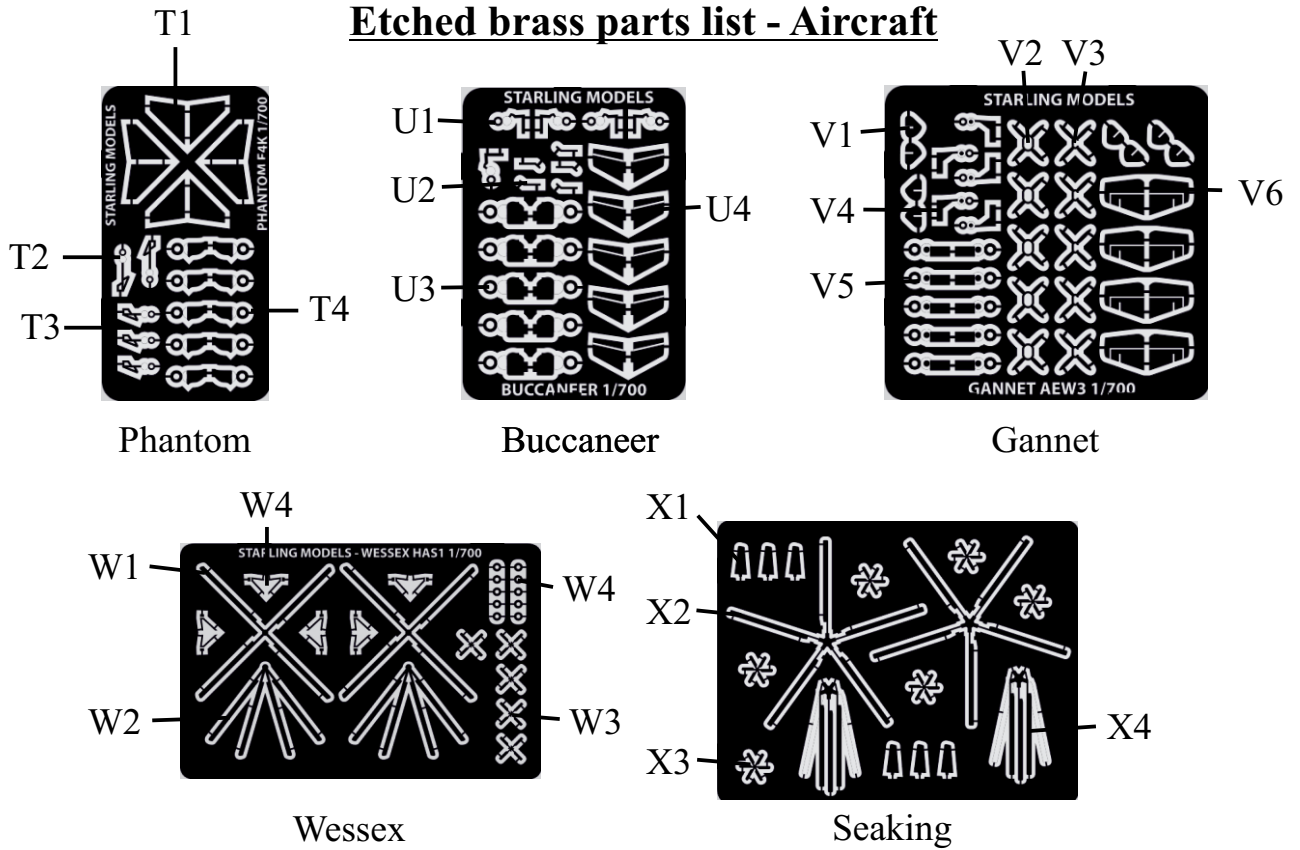


- | | | | |
|---|---------------------------------------|-------------------------------------|---|
| 1. Railings (Port Berthing Bays) | 20. Railings (Fore Mast Top Platform) | 40. Yardarms (Fore Mast Front) | 60. Watertight Doors |
| 2. Railings (Stern Sponson and Catwalk) | 21. Railings (Fore Mast Deck) | 41. Main Mast Rear Lattice Panel | 61. Watertight Door Inners and Frames |
| 3. Railings (Starboard Berthing Bays) | 22. 965 Radar Front Face | 42. Main Mast Internal Platform | 62. Safety Nets (Stbd Side Aft) |
| 4. Railings (Boat Deck Port) | 23. 965 Radar Rear Face | 43. Main Mast Lattice | 63. Safety Nets (Stbd Side Mid Aft) |
| 5. Railings (Alaskan Highway Forward) | 24. 965 Central Spacer Mesh Screens | 44. Yardarms (Fore Mast Side) | 64. Safety Nets (Alaskan Highway Aft) |
| 6. Railings (Alaskan Highway Aft) | 25. 965 Spacer Mesh Screens | 45. Yardarms (Sword and Shield) | 65. Safety Nets (Alaskan Highway Fwd) |
| 7. Railings (Quarterdeck) | 26. 965 Counter Weights | 46. Fore Mast Front Upper Platform | 66. Safety Nets (Starboard Aft Sponson) |
| 8. Railings (Boat Deck Starboard) | 27. 986 Radar Hay Rake Antenna | 47. Shield Antenna | 67. Funnel Cap Grill |
| 9. Yardarms (Main Mast Forward Top) | 28. Fore Mast Lattice | 48. Yardarms (Main Mast Side) | 68. HF Antenna Disc |
| 10. Railings (Catwalks Starboard Forward) | 29. Bridge Front Light Bracket | 49. Main Mast Lower Aft Walkway | 69. Anetnna Mast Front Lattice |
| 11. Railings (Catwalks Port Forward) | 30. Bridge Front DF Antenna | 50. Folding HF Antenna Masts | 70. Cranked Side HF Antenna Mast |
| 12. Railings (Dorp Tank Stowage) | 31. Fwd 965 Radar Mast Front Lattice | 51. Corvus Chaff Launchers | 71. Starboard Aft Sponson Fwd Walkway |
| 13. Railings (Bridge Roof) | 32. Fwd 965 Mast Platform | 52. Safety Nets Port Catapult Side | 72. 993 Radar Antenna |
| 14. Railings (Island Aft Lower) | 33. Fwd 965 Mast Lattice | 53. Safety Nets Port Catapult Front | 73. Anchors |
| 15. Railings (Goofers Deck Starboard) | 34. Yardarms (Fore Mast Fwd Upper) | 54. Bow Bridle Catcher Top Plate | 74. 987 Height Finder Radar Antennas |
| 16. Railings (Island Aft Upper) | 35. Yardarms (Fore Mast Fwd Lower) | 55. Boat Cranes | 75. Accommodation Ladder Hand Rails |
| 17. Fore Mast Lower Walkway | 36. Fore Mast Top Port Side Yard | 56. Crane Hooks | 76. Accommodation Ladder Steps |
| 18. Railings (FlyCo Roof) | 37. Fore Mast Top Platform | 57. Safety Nets (Rounddown) | 77. Vertical Ladder Stock |
| 19. Railings (Goofer Deck Port) | 38. Fore Mast Top Rear Platform | 58. Safety Nets (Port Aft Sponson) | 78. Anchor Chain |
| | 39. 978 Nav Radar Antenna | 59. Safety Nets (Port Crane Bay) | |

General Instructions

- Do not remove the etched parts from the fret until you are ready to use them.
- Before assembly, soak the etched parts in a suitable solvent, such as white spirit, to de-grease the surfaces for painting. It is recommended that the entire fret be primed with an acrylic automotive primer, such as Halfords Grey Primer before assembling any of the parts.
- Cyanoacrylate adhesive (Super glue) or contact adhesive such as a white PVA glue may be used. These can be applied with a pin or piece of stretched sprue.
- When removing parts from the fret, place the fret on a hard surface, such as a smooth ceramic tile, in order to prevent parts bending whilst cutting through the holding tabs. It is suggested that a No.10 rounded type of modelling knife blade is used for this purpose.
- When shaping or bending a part, a straight edged blade such as a chisel blade will give a good sharp corner, or alternatively an Atlantic Models Folding Tool ATT 01 or ATT 02 may be found to be useful
- If a part is bent incorrectly, lay it on a hard flat surface and roll it flat with a cylindrical object such as a modelling knife handle.

Etched brass parts list - Aircraft



Key

A - capital letter = resin part

1 - number = photoetched part



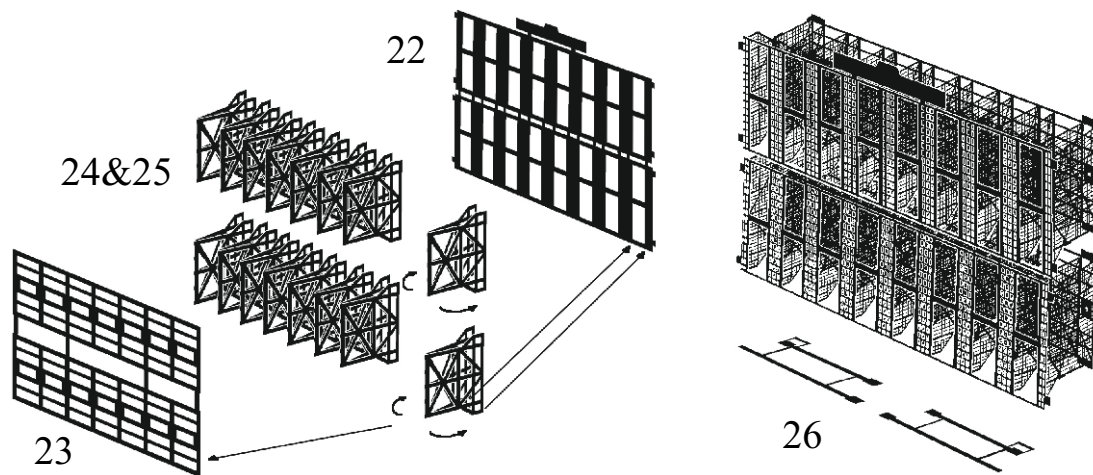
- boxed capital letter = sub assembly



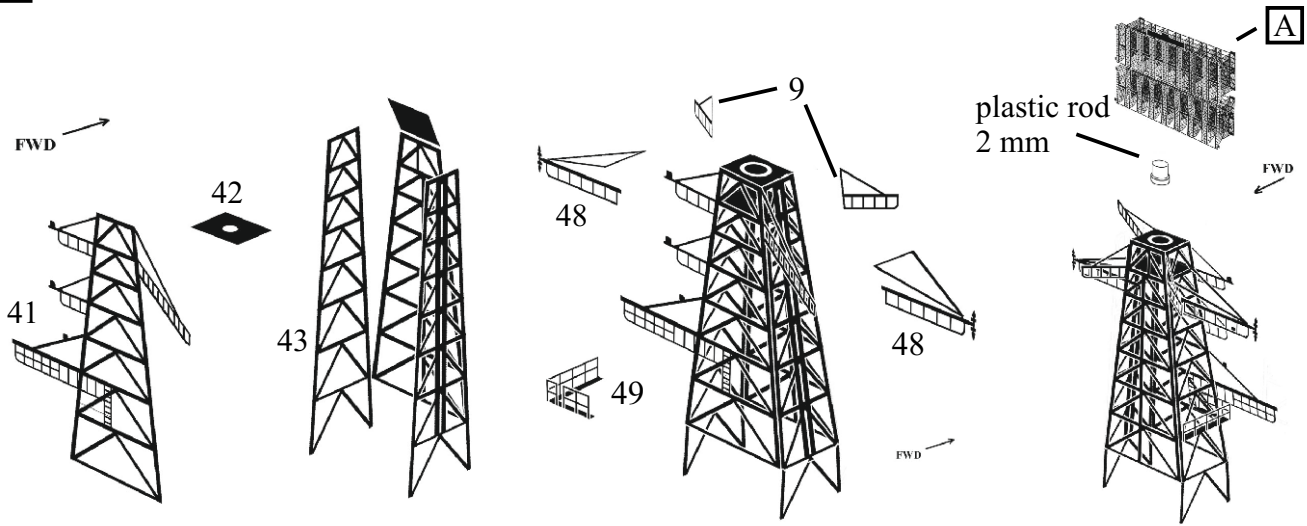
- circled number = decal

Sub-assemblies

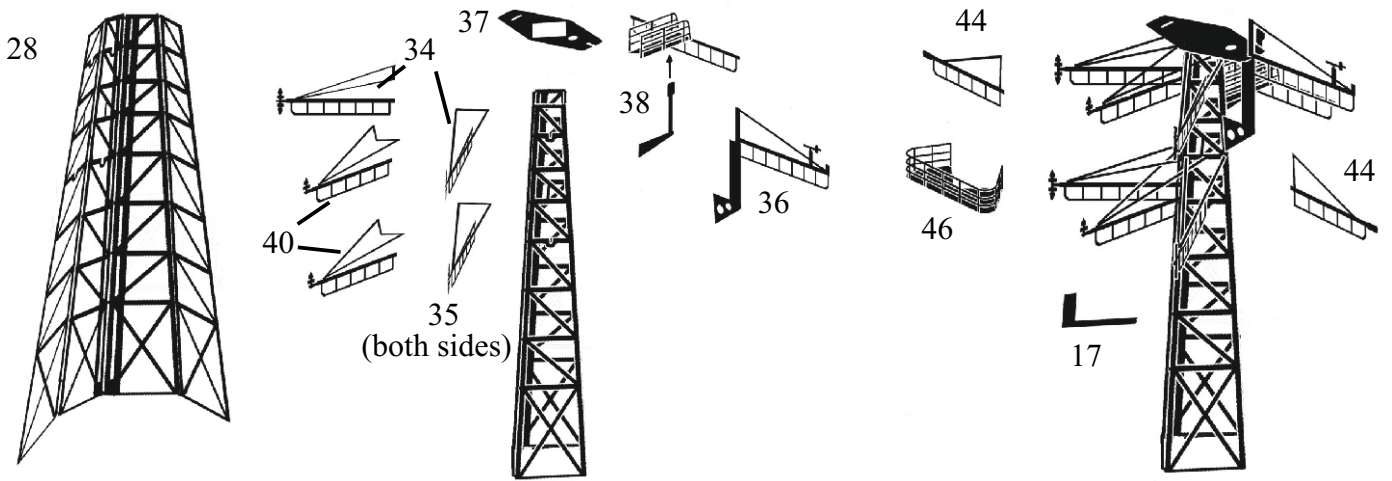
A Type 265 radar



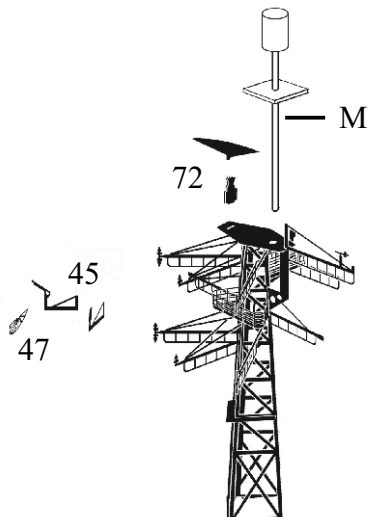
B - Mainmast construction



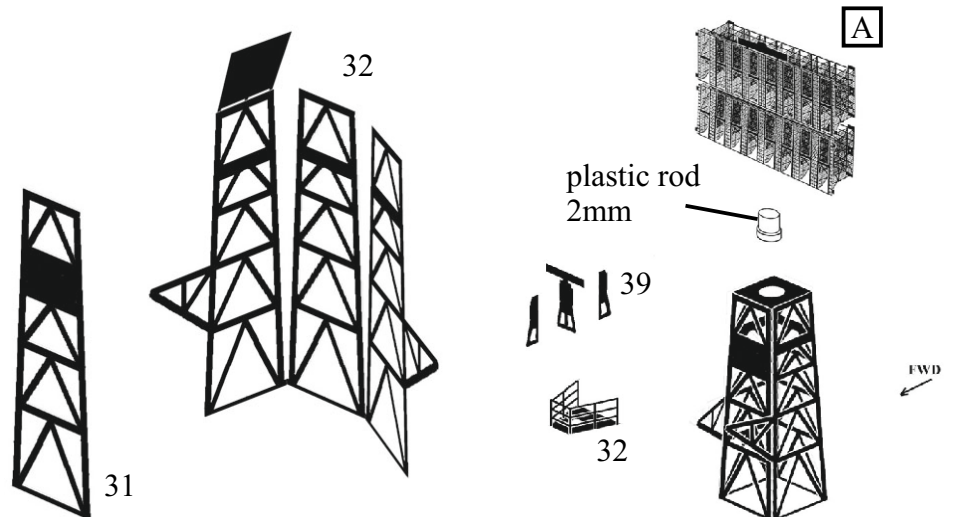
C - Foremast construction

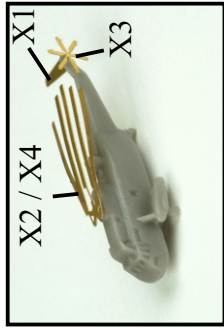
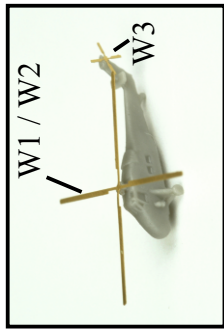


C - Foremast construction (cont)



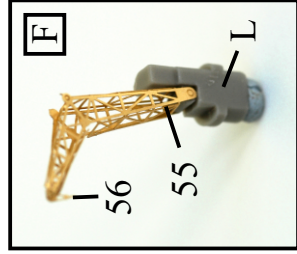
D - Forward radar mast



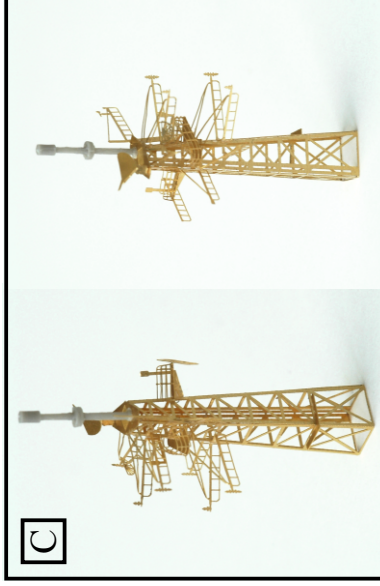


W4 & W5 alternate etched landing gear

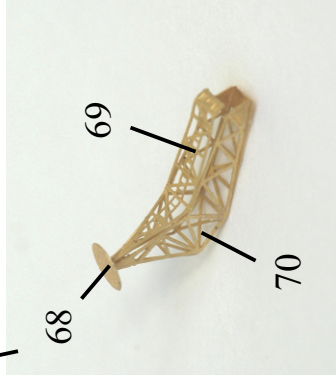
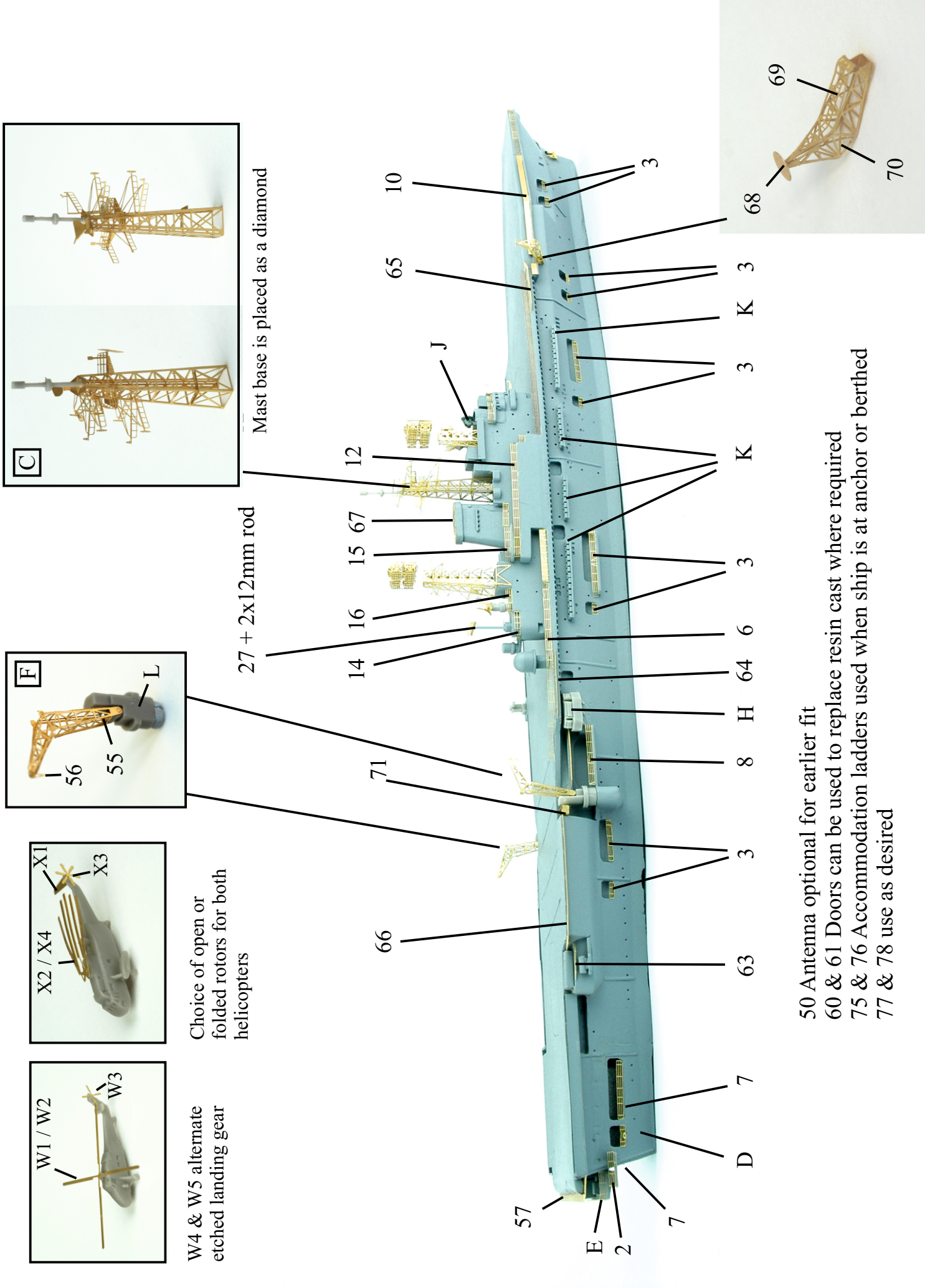
Choice of open or folded rotors for both helicopters



27 + 2x12mm rod

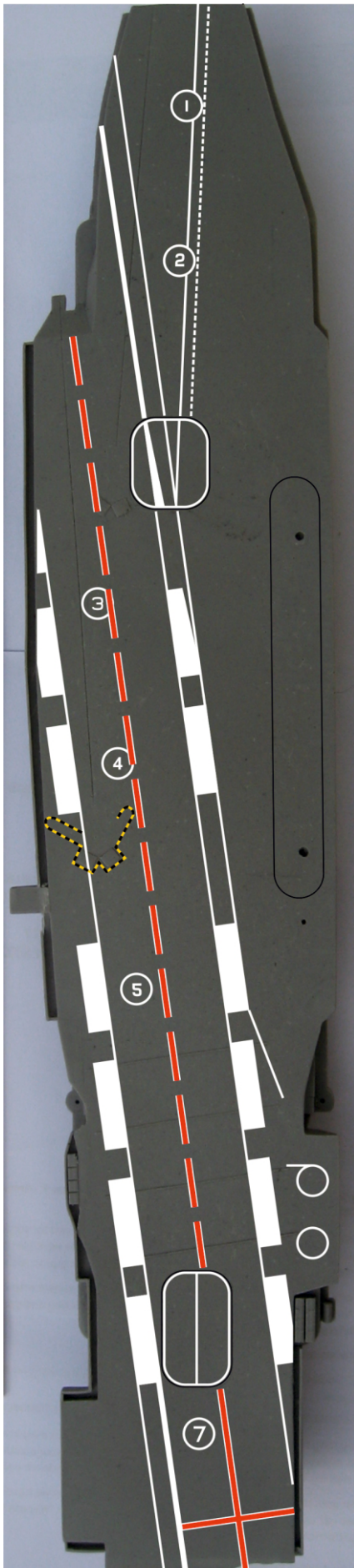


Mast base is placed as a diamond



- 50 Antenna optional for earlier fit
- 60 & 61 Doors can be used to replace resin cast where required
- 75 & 76 Accommodation ladders used when ship is at anchor or berthed
- 77 & 78 use as desired

Painting and Decals



Painting

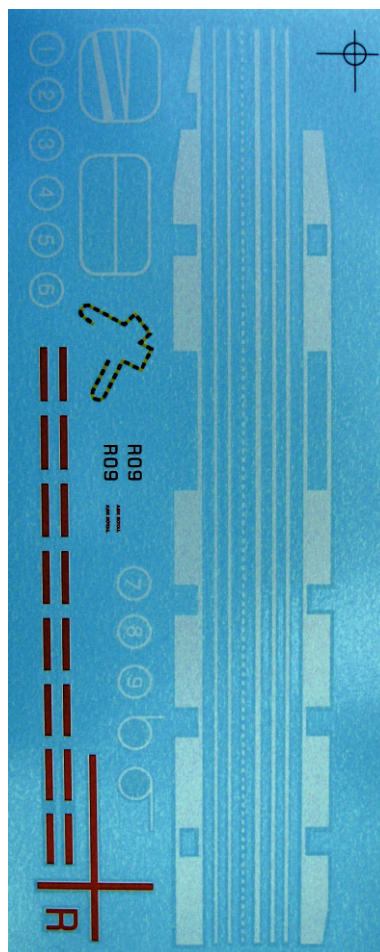
Ark Royal was painted overall in light weatherwork grey, the flight deck is RN deck dark grey with the angled deck painted extra dark grey. Superstructure decks are RN deck green, liferafts white and boats red hulls with white upperworks.

Decals

Before placing decals ensure the surface has a gloss coat to help with adhesion and reduce silvering.

Begin by placing the deck lift markings, then add the red hashed line and use this as a guide for placement of the white deck marking lines. Some of these will need to be cut to size.

The serial numbers are placed with side of the bridge superstructure, the large 'R' is used on some fits and should be placed on the starboard stern of the deck.



Paint list

Sovereign Hobbies
Colourcoats enamels are recommended and listed for the ship.

M01 - Light weatherwork grey
M02 - RN deck dark grey
M19 - RN deck green
Rn22 Extra dark grey

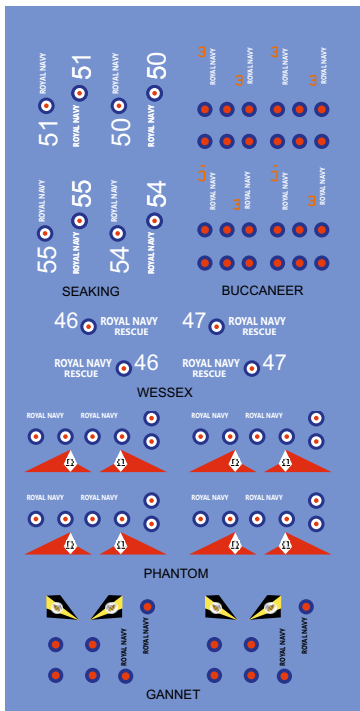
For the aircraft many choices are available, the colour required are listed

Extra dark sea grey
RAF Sky
RAF blue grey
Dayglo

In addition standard colours

Black
White
Red
Yellow

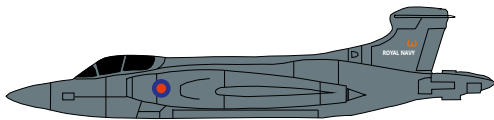
Aircraft colour schemes and decals



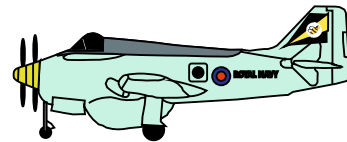
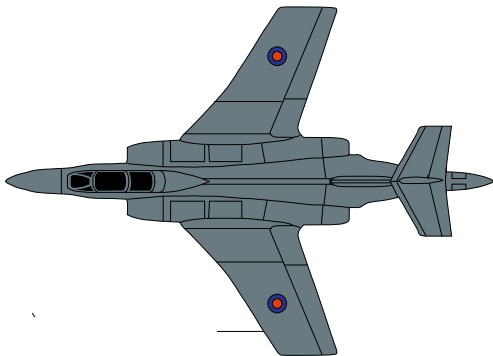
Decal placement as show on diagrams



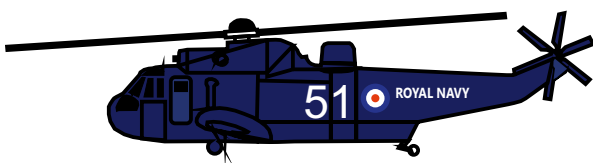
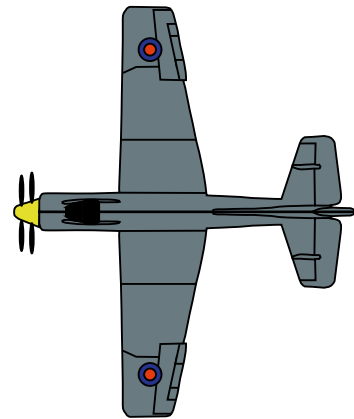
F-4K Phantom, upper surfaces extra dark sea grey, underside white, radome black.



Blackburn Buccaneer S.2, overall extra dark sea grey.



Fairey Gannet AEW 1, upper surfaces extra dark sea grey, under surfaces RAF sky, nose spinner yellow with black bands



Westland Sea King HAS 2, overall RAF blue grey



Westland Wessex HAS 1, extra dark sea grey with dayglo panels