

Type 81 'Tribal Class' Frigate H.M.S. ZULU 1964-1984

1/350 Scale

The design of the Type 81 Frigate came about as a requirement by the British Admiralty to replace the aging wartime fleet of sloops, corvettes and destroyers with a more up-to-date design of general purpose vessels that could incorporate the latest technology then available in the 1950s & '60s. The ship was initially seen as being in the anti-aircraft role, providing fleet escorts, but the growing submarine threat from the Soviet Union dictated that more emphasis be placed on the anti-submarine (ASW) role as well as being able to give anti-aircraft cover.

well as being able to give anti-aircraft cover. To this end the Type 81 was designed to incorporate all the weapons & sensor requirements of a general purpose frigate that was also equipped with a helicopter which could be used in the MATCH role. The ship was also fully air -conditioned internally, so that it could be deployed to the hotter climates of the Caribbean & Persian Gulf. Seven ships of the class were ordered & built for the Royal Navy, & they entered service between 1961 & 1964. All were named after famous ethnic tribes from various locations throughout the world, thus carrying on some of the names of the well known Tribal Class Destroyers of World War 2. The Tribal Class Frigate was now born.

HMS Zulu was the third ship to bear the name. She was laid down at Alex Stephen & Sons Ltd Shipyard, Govan on 13 December 1960. Launched by Lady Begg on 3 July 1962, final fitting out continued until April 1964 when she was completed. After an extensive period of builder's sea trials, she was the last of the seven Tribal class accepted into the Royal Navy.

Although the Tribals had been designed to be equipped with the GWS 20 Sea Cat missile system, only the *Zulu* was built with this system installed from the outset. The other ships of the class were equipped with 40mm Bofors guns until the GWS 20 system was retrofitted to them at a later date. *HMS Zulu*'s career spanned from early 1964 right through to 1984, & in the decades between saw a great deal of active service. The Beira patrol was in full operation during

HMS Zulu's career spanned from early 1964 right through to 1984, & in the decades between saw a great deal of active service. The Beira patrol was in full operation during the mid-1960's & *Zulu* saw one of her first East of Suez deployments, patrolling off the east coast of Africa assisting with the enforcement of the blockade of oil to Rhodesia. In 1972 *HMS Zulu*'s Wasp helicopter was sent to assist with the search & recovery of bodies from the wreckage of a US Navy Lockheed P3 Orion that had crashed on a mountain in northern Morocco. On her return to the UK from the Mediterranean, *Zulu* entered a prolonged period of maintenance & refitting at her home base of Rosyth in Scotland. She stayed at Rosyth until late 1974 when she carried out post-refit sea trials.

January 1975 saw *HMS Zulu* starting her post-refit workup at Portland, which put the ship & her company through a grueling period of exercises of all shapes & forms to bring the ship up to fully operational status with the Fleet. At this stage of her career *Zulu* was part of the 4th Frigate Squadron, & as such when her workup was completed, she took part in various exercises & joint operations with units of the Dutch & German Navies. This period took her up to August 1975 when she deployed to the Caribbean as West Indies guard ship.

During this time, Zulu was called upon to sail at short notice from Fort Lauderdale to take up station off the coast of Belize, when Guatemala threatened to invade & annex the country after some political disagreements with the Belize independence from Great Britain. *HMS Nubian* later joined her & stayed on station until the Army & Royal Air Force had established a security zone along the border.

HMS Zulu was present at the Spithead review in 1977 for Her Majesty the Queen's Silver Jubilee, followed by a global deployment with the standing task group of ships that included *HMS Tiger*. She was retired from service in 1979 & laid up in reserve, but she saw re-activation in 1982 when she was used to relieve ships required for duties in the Falklands conflict. *HMS Zulu* stayed in service with the Royal Navy until 1984 when she was sold to the Indonesian Navy & renamed *Martha Kristina Tuyahahyu*.

Specifications

Length: 360 ft (110m) Beam: 42.3 ft (12.9m) Displacement: 2,700 tons full load Propulsion: Single Shaft COSAG 1 Steam Turbine & 1 Metrovick G6 Gas Turbine Speed: 28 knts Max, 20 knots Cruise Range: 5,300 nautical miles at 12 knts Complement: 253 Officers & Men

Armament

2 x Single 4.5" Mk5 Mod1 Gun Mounts 2 x Four Rail GWS 20 Sea Cat Missile Systems 2 x 20mm Single Oerlikon Mountings 1 x Mk10 Limbo ASW Mortar 1 x Westland Wasp HAS 1 Helicopter





Yardarm (Mast Rear)	Yardarm Support (Mast Rear)	Mast Lattice (Sides & Rear)	Railing (Mortar Platform)	Yardarm (Mast Rear Lower)	Mast Top Sensors	Mast Lattice (Front)	
24.	25.	26.	27.	28.	29.	30.	

Railings (Main Deck Aft)

Tribal Class Frigates 1/350 Scale

Flight Deck Safety Nets (Rear Sections) Flight Deck Safety Nets (Side Sections)

Chaff Launcher Flare Gun

Life Raft Racks (Double)

Flag Staff Supports

Ensign Staff

- Railings (Flight Deck House Sides) Railings (Auxiliary Conn Position) Railings (Aft Director Platforms) Yardarm Supports (Rear Quarter) Railings (Chaff Enclosure Deck) Yardarm Supports (Mast Sides) Yardarm Supports (Mast Front) Railings (GDP Sides & Rear) Railings (965 Radar House) Railings (993 Radar House) Radar Waveguide Conduits Railings (Fore Deck Step) Railings (FDO Position) Railings (Aft Deck Step) (ardarms (Rear Quarter) Railings (Foc'sle Deck) Y ardarms (Mast Sides) Railings (Mortar Well) Railings (Boat Deck) Ships' Name Plates Railings (Stern) 10. 001000
- 965 Radar Antenna (Mounting Plate)
 965 Radar Antenna (Front Face Plate)
 965 Radar Antenna (Counter Balances)
 993 Radar Platform
 Inclined Ladders (Director Deck Fwd) 965 Radar Antenna (Inner Mesh Frames) 965 Radar Antenna (Rear Frame) 965 Radar Antenna Cross Strips 456.
- FDO's Catwalk
 - 993 Radar Platform Supports
 - Forward Director Platform
 - Forward Whip Aerial Bases Mast Platform (Inner)
 - Mast Platform (Nav Řadar)
 - Boat Davit Supports **Boat Davits**

Yardarm (Mast Front)

- Inclined Ladders (Fwd Deck Step) VDS Gantry Inner Bracing Frame Accommodation Ladder Davits Aft Funnel Floodlight Frames VDS Gantry Side Supports Aft Funnel Floodlights Mast Platform Lights Bridge DF Antenna VDS Body Cradle Mast Top Gaff

- Aft Funnel Centre Wire Antenna Mast Stern VDS Well Extension Plate Wasp Helicopter Parts
- Flight Deck Safety Nets (Corner Sections) Aft Funnel Side Wire Antenna Masts Wasp Helicopter Undercarriage Parts

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VDS Gantry Pit Head Gear VDS Gantry Pit Head Supports Stern Paravane/Gemini Crane Sea Cat Launcher Rails Anchor Chain Stock Flare Rocket Racks Signal Lamps

- Life Raft Canister Racks (Single) Forward RAS Gantry Support Aft Funnel Rear Vent Grille Propeller Shaft Support Fuel Can Rack Shelves Boat Fuel Can Racks Forward RAS Gantry Sea Cat Missiles Aft RAS Gantry Jack Staff
 - Inclined Ladders (Boat Deck) Life Raft Racks (Quadruple)
- Inclined Ladders (GDP Access)
 - Inclined Ladders (Corvus Deck) Inclined Ladders (FDO Access)
 - 20mm Oerlikon Mounts GPI Yardarm

General Precautions

When assembling a Resin/Photoetched metal kit, certain precautions should be taken. 1. Resin dust can be am irritant if inhaled. We recommend that you wear a suitable dust mask when drilling or sanding resin parts. 2. Cyano adhesives (super glues) are generally used to assemble this type of kit. Care must be taken when using this type of adhesive as it will bond in seconds. Follow the advise on the container seconds. Follow the advice on the container.

3. Wash resin parts in a solution of warm soapy water before assembly. This will remove any residual mold release agents & ensure a good key for

4. Soak photoetch parts in a suitable solvent, such as white spirit, to degrease the surfaces prior to painting.

MAIN STRUCTURAL PARTS



Before fitting the shelter deck & midships superstructure, resin part 4, we recommend that the area inside the forward cross passage be painted & finished first, as this area will be inaccessible when the parts are all assembled. The same applies to the short passageway between the hangar, resin part 5, & the mortar handling room on the starboard side.

Fit the fore funnel & hangar roof covers into place before spray painting. This is so that any seams in the joints may be filled & smoothed prior to painting. We recommend that if the Wasp helicopter is to be fitted as being ranged on the flight deck, then the hangar roof covers are omitted from the model.





Fold up the railings on the director platform, etched part 41, to 90° & secure into place. Fit the director platform to the central raised section & then fit the director into place. Shape the DF antenna, etched part 52, as shown above & fit to the front of the bridge roof.



Shape & fit the railing sections, etched parts 8, to the forward edges of the Sea Cat director deck. Allow a small gap to fit the short steps, etched parts 38. Shape & fit the boat deck railings, etched parts 10, to the edges of the boat decks on each side. Shape & fit the small railings sections around the tops of the ladderways.

Shape &d fit the inclined ladders, etched parts 87, to run from the boat deck to the main deck. Fit the Sea Cat directors, resin parts 10, to the locating holes on the director deck. Fit the quad life raft racks to the extended strip of deck aft of the boat deck.



If the helicopter is to be ranged on deck, the hangar roof cover would be removed in sections & stowed on the deck extensions on the mortar handling room roof & air office roof. To represent the stowed roof sections, cut the end two sections from one end & a single section from the other end. Fit the two sections to the stowage on the mortar handling room roof, & the single section on the air office roof.







