

## MESSERSCHMITT ME 109 H & Z

### Bf 109 H-1

In 1943 was an urgent need for a fighter with increased combat ceiling. The H-series was created differing in outline mainly in the addition of a parallel-chord wing centre section increasing span to 11,92 m, extended tailplane with bracing struts similar to the Bf 109 E and enlarged rudder. While for the Bf 109 H-0 Bf 109 F-4/Z airframes with DB 601 E-1 engines were used, the Bf 109 H-1 was based on Bf 109 G-5 airframes with DB 605 A engines. Both engines were boosted. Armament consisted of one 20-mm MG 151 cannon and two 7,9-mm MG 17. Service ceiling reached the order of 47.500 ft. Some Bf 109 H-1 were service tested at Guyancourt near Paris early in 1944 and proved satisfactory. But later the Bf 109 H program was abandoned in favour of the Ta 152 H.

### Bf 109 Z Zwilling (Twin)

The success of the Heinkel He 111 Z (Airmodel kit No. 149) led to the proposal to marry also two Bf 109's to this configuration. Late in 1942 two Bf 109 F equipped with DB 601 E-1 engines were put together. Main changes incorporated a new keel member for the repositioned main undercarriage, a parallel-chord wing centre section and a parallel-chord tailplane. Armament was projected with two engine-mounted 30-mm MK 108, two MK 108 in gondolas under outer wings and a single 30-mm MK 103 in the wing centre section. For the bomber role provision was made for racks in the centreline and under each fuselage. The prototype was finished in 1943 and just before the flight trials could start, the prototype was destroyed by an air attack.

### Construction Bf 109 H = Bf 109 F (Haller)

Build model following to instructions with following exceptions:

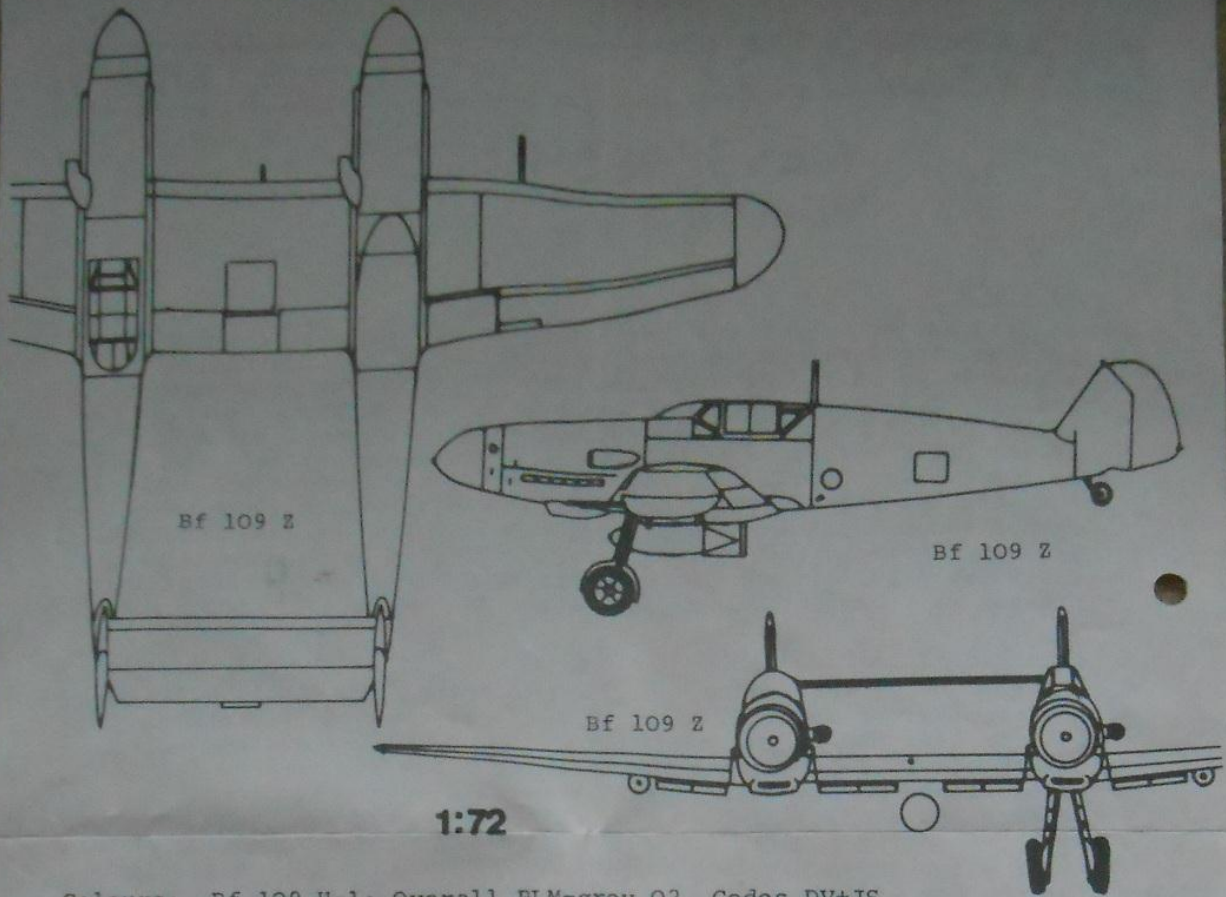
1. Wings: Delete the following parts (Frog: 3,4,5/JoHan: 5,6,7). Build up new wings using Airmodel parts.
2. Tailplane: Delete the following parts (Frog: 6/JoHan: 15,16). Add new horizontal tailplane. Do not forget to add bracing struts. Cut off original rudder and fix new rudder.
3. Do not use tropical filter.

### Construction Bf 109 Z = 2 Bf 109 F (Haller)

Build model following to instructions with following exceptions:

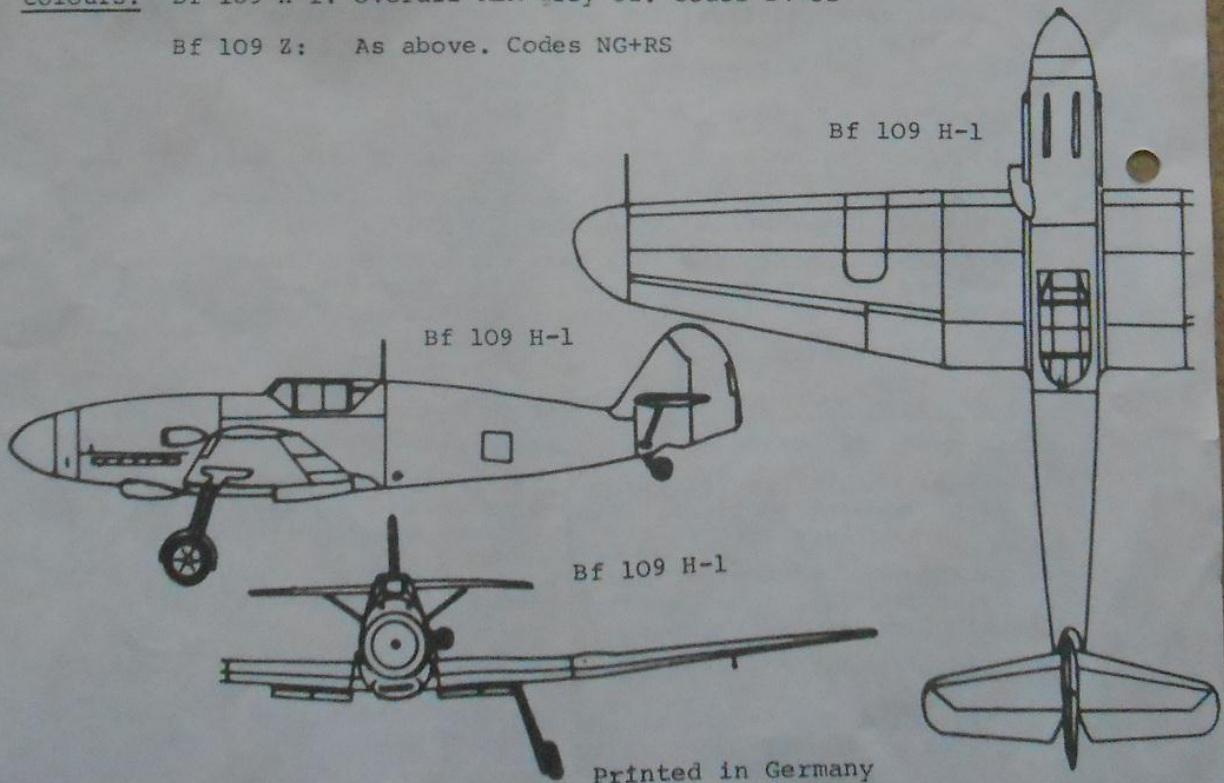
1. Wings: Delete the following parts (Frog: 3, JoHan: 5). Build up outer wing sections. When using JoHan kit, use wing tips and ailerons/flaps from part 5. Build new wing centre section.
2. Tailplane: Delete the following parts (Frog: 6, JoHan: 15,16). Build new tailplane. Carefully remove fill outer slots for tailplane and sand smooth.
3. Remove canopy for starboard fuselage and insert new canopy fairing.  
Attention: The Bf 109 Z had main wheels of slightly larger diameter. Do not use tropical filter.





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Colours: Bf 109 H-1: Overall RLM-grey O2. Codes DV+JS  
 Bf 109 Z: As above. Codes NG+RS



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