

**WWII Allied And Axis Aircraft
1/72nd Scale 3-View Drawings
German Messerschmitt
Me 210 A-1 V. 1.0 3/8/96**

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GERMANY

Manufacturers: Messerschmitt A. G., Augsburg, Ramersdorf, Nurnberg, Regensburg, Munich, Kematen, Deutsche-Altenberg.

Purpose: Two-seat long-range fighter (*zerstorer*), dive-bomber or fighter-bomber.

Power Plant: Two Daimler-Benz DB 605F1 liquid-cooled inverted Vee motors. Maximum level power (each), 1,395 hp. at 18,500 ft.

Construction: Wings—All-metal structure in three main sections comprised of the center-section the main spars of which pass through the fuselage, two outer panels and detachable wing tips. Outer panels attached to center-section by self-aligning joints at main spar with lugs at top and bottom flanges and Junkers-type spherical joints at leading-edge tubes. Camber-changing flaps between ailerons and fuselage. Aluminum ailerons with fabric covering, "D"-shaped metal nose, and external mass-balance Slat-type dive brakes fitted above and below wings at main spar just outboard of nacelles. Slots on leading-edge. Fuselage—All-metal light alloy monocoque structure built in two halves joined top and bottom center lines. Light alloy stressed-skin covering. Tail unit—Light alloy cantilever type. Detachable tips. Movable surfaces have metal-covered "D" section leading-edge and fabric covering. Elevators have metal-covered tips. Undercarriage—Backwards-retracting type, the main wheels turning through the axis of the shock-absorber to lie flat within the wings in the nacelle. Fully-retractable tailwheel. V. D. M. three-blade metal constant-speed **airscrews**.

Dimensions: Span, 53 ft. 9 in. Length, 40 ft. Sin. Areas: Wings, 390 sq. ft.

Weights: Loaded, 25,159 lb.

Loadings: Wing, 64-3 lb./sq. ft. Power, 9 lb./hp. Tankage: Petrol, 550 gallons.

Performance: Maximum level speed, 365 m.p.h. at 20,000 ft. Operating speed, 275 m.p.h. Range at operating speed, 1,500 miles.

MESSERSCHMITT Me 210 A-1

Armament: Twin fixed M.G. 17 7.9 mm. machine-guns and twin fixed 20 mm. Mauser shell-guns mounted in the nose and two remotely-controlled M.G. 131 machine-guns firing aft mounted on barrette aft of wings in the rear fuselage. Remotely-fired guns swing 50° in horizontal plane and 50° up and down in vertical plane. Bomb-load, 4,400 lb. comprised of eight 550 lb. bombs.

The latest German twin-motor fighter is the Messerschmitt Me 210A1 which is a development of the well-known Messerschmitt Me 110 still widely used in its C5 version. Compared with Me 110, the Me 210 is roughly similar in layout and size, but has a single fin and rudder and is loaded some 6,000 lb. more giving a very high wing loading. Round wing tips and a general cleaning up distinguished the Me 210 still further. The cockpit accommodation has been completely revised resulting in a much shorter nose and the conventional rear gun in the back cockpit replaced by an ingenious remotely-controlled barrette which can be used either as rear defense or for ground attack. The Me 210 is well armored for low-flying ground attack and can also operate as a dive-bomber. It has been used in Russia, over the Mediterranean and over this country in 'hit-and-run' raids flying from French airdromes. Its development has been proceeding since 1940 but it did not appear with operational units until late in 1942. Several have been destroyed by Typhoons over this country and in sweeps over France.

The Me 210 is a reasonably good Aeroplane for its purpose but is not without its drawbacks and does not show such a marked superiority over enemy contemporaries as did the Me 110. Fighter pilots consider its early reputation to be over-rated, and certainly it cannot be compared with its British equivalent, the De Havilland Mosquito, either in speed or fire-power. The Me 210's total fire-power is 4312 lb./minute compared with 760 lb./minute of the Mosquito II and the 3394 lb./minute of the Me 110C5. The Me 210 and the Henschel Hs 129 have almost identical fire-power, the Hs 129 being 430 lb./minute. Me 210 fighter-bombers carry eight 550 lb. bombs and are protected by nearly half a ton of armor plating.



THE MESSERSCHMITT Me 210 A-1





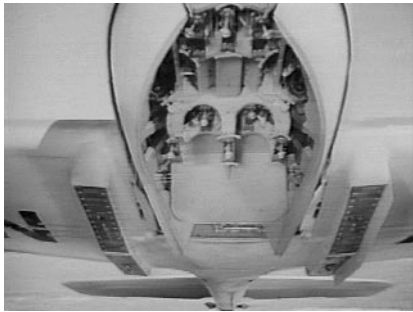
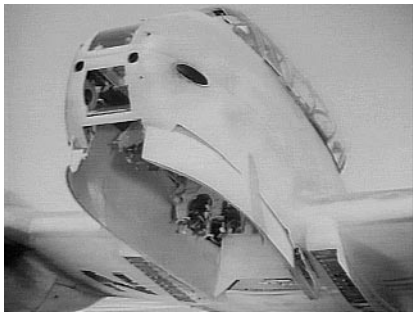
THE MESSERSCHMITT Me 210 A-1





Prototype Me 210 A-1 Nose And Nacelle Details





Prototype Me 210 A-1 Bomb-Bay Details





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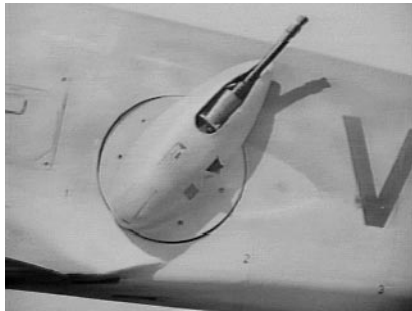




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Prototype Me 210 A-1 Remote-Gun Side Turret



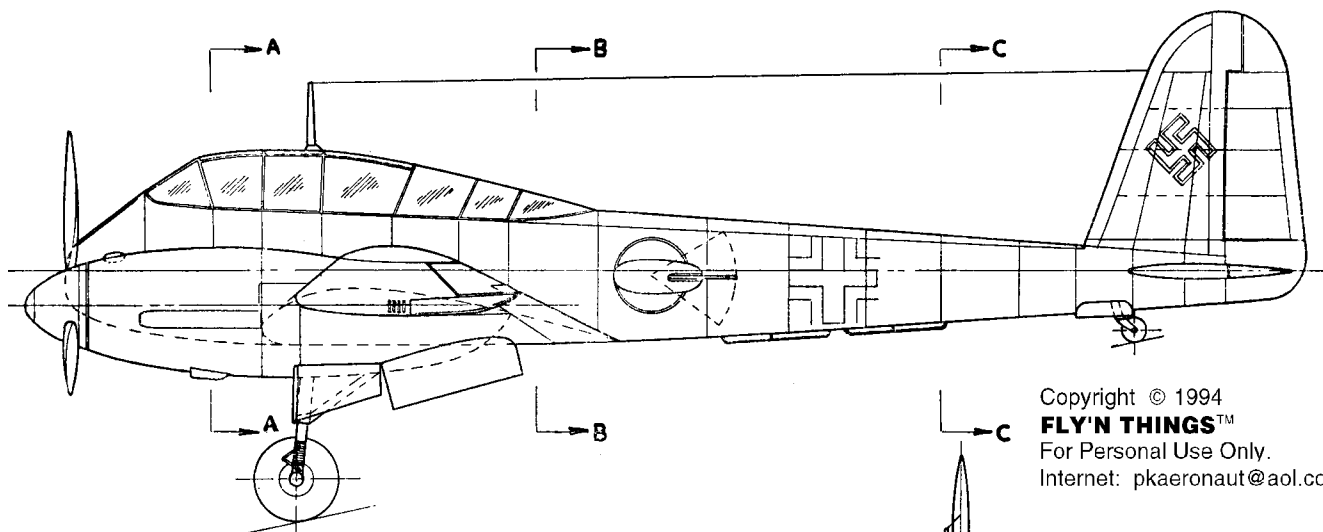
Prototype Me 210 A-1 Extended Dive Brake



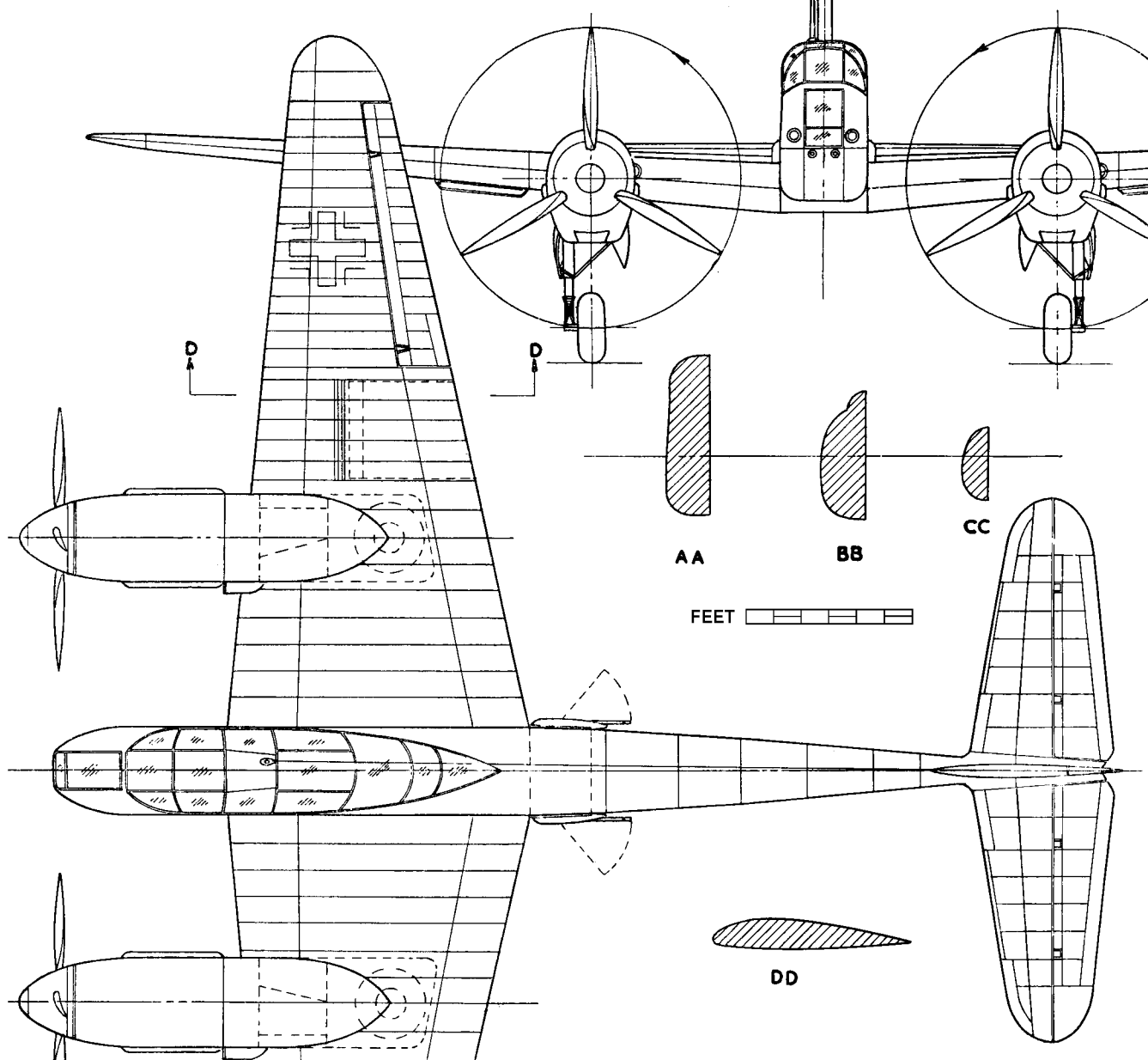


MESSERSCHMITT
Me 210 A-1
Yellow E, Luftwaffe
Believed To Be Eastern Front 1943





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MESSERSCHMITT Me 210-A1



Printing Problems

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Printing is supported for raster-type printers, like an HP LaserJet, and Postscript printers. Printing may be done in either monochrome or color, depending on the printer you have available. Please note that some of the Adobe Readers, like Version 1.0 for DOS, may not support color printing, or only support color printers in the monochrome print mode.

When printing to any inkjet printer, make sure you use a print buffer so the printer receives a constant stream of data. This prevents minor gaps and blurs if the printer has to wait for more data. This is particularly important for color inkjet printers.

For Windows printing, make sure to use the Print Manager for print buffering. If you have difficulty printing under Windows, make sure that you have sufficient free disk space for the buffer files created by the Windows Print Manager. As an example, each printed color page requires about 500-kbytes of disk space — during image processing, the disk requirements can be greater than 4 Mbytes for temporary files.

Not Enough Disk Space

In extreme cases, not enough disk space shows as either a terminated print — the program appears to print, but nothing happens — or error messages like “Insufficient Memory” or “Not Enough Memory To Print.” Some versions of Adobe Acrobat can give a General Protection Fault in “module unknown” and terminate while attempting to print. Free up space on your hard drive by deleting unused files or programs.

Or, try printing a single page at a time. Remember, processing color images takes a great deal of disk space for the temporary files. You may need to have 10-12 Mbytes of free disk space for the temporary files and the Print-Manager's, or print buffer's, image files for a non-Postscript printer.

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