

Allegedly designed by Ernst Heinkel one night on the back of a cabarret wine list, the W.29 was essentially a Hansa-Brandenburg W.12 biplane with the top wing removed. This is a simple enough thing to sketch on the back of a wine list but an alongether different proposition to put into production. The advanced monoplane design, with improved performance due to the reduction in drag afforded by the Soft reduction in wings, was achievable because of the highly rigid nature of the finat and strut arrangement. It was aventy successor to the W.12 lin is tack of partolling the Korth Sea and harsaing RNAS flying basts and

These prototypes (numbers 2005, 5.6.) were started in January 1817 with each powered by a different engine for comparison purposes, 2004 with a 1500p Bern Ball (L2005 with a 1850b) Bern

WW1 colour schemes are contentious at the best of times and we have done our best to provide what we consider to be accurate painting information for this model and, while we have been as meticulous as we could be, I'm sure some will not find our choices to their liking. From April 1918 onwards German seaplanes were directed to have all surfaces visible from above covered in 3 colour printed camouflage fabric, areas visible from the sides painted grey-blue, areas visible from underneath to be light blue except for fabric surfaces which could remain in their natural linen colour. Photographic evidence suggests that these directives were studiously followed by Hansa-Brandenburg with the exception that the W.29 floats and struts were painted with a black tar based paint for protection from salt water. This same paint also appears to have also been used to seal the wing leading edge tapes. The 3 colour printed naval hex camouflage material was applied to the wings and ply covered rear fuselage and horizontal tailplane areas very carefully so that the pattern matched almost seamlessly. Rib tapes were applied to the wings, ailerons and elevators as per usual practice but in the case of the upper surfaces these are invisible in photographs available to us, either because the tapes were carefully painted to match the underlying fabric or were cut from the same fabric and equally carefully aligned with the underlying pattern. The grey-blue applied to the plywood fuselage sides appears quite matt while the grey-blue used on the cockpit cowlings and metal engine cowlings appears very glossy, in some cases an almost 'mirror like' finish. Reportedly some W.29 fuselages were painted 'sea-green' instead of grey-blue, in particular the very late production 185hp Benz Bz.IIIa powered C3MG machine 2670 examined by the British after the Armistice, but careful study of photographs available to us could not confirm whether this colour was used on any of our decal schemes.

13.5m (44'4")	9.35m (30'8")	1463kg (3225lb)	164kph (102mph)			
199	April 1918 to December 1918	Benz Bz.III, Bz.IIIa and BMW IIIa	Unconfirmed			

1x or 2x 7.92mm LMG08 'Spandau' machine guns, 1 Parabellum LMG14/17 7.92mm machine gun.

Brandenburg W.29 Datafile 55, P.M Grosz, 1996 - Over The Front, Volume 24 number 4, 2006 - German Naval Air Service, Alex Imrie, Arms & Armour Press 1989 - Over The Front, Volume 9 number 2, 1994 - 1914-18 Aviation Heritage Trust Colin Overs - The Vintage Aviator III D - Private Collections



Warning: Choking hazard. Keep small parts and plastic bags away from children. Use glue and paint in a well ventilated area. Always wear protective eyewear when cutting and a protective mask when painting,

gluing and sanding. Do not breathe dust from polyurethane resin parts (if included). Beware of sharp edges on metal parts.

Read all the instructions carefully before starting assembly. Use glue intended for plastic models. Assemble metal and resin parts (if included) using Cyanoacrylate (CA) or epoxy glue.

Before assembly select a marking option and note optional parts required in instructions.

Rigging: If installing rigging please drill out all location holes with a 0.5mm drill bit to a depth of at least 1mm.

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Painting: Only use paints suitable for plastic model kitsets.

Cut out each decal as required. Soak in warm water for 15 seconds. Slide off backing paper onto gloss painted surface of model. For large decals it is helpful to apply a drop of water to the area they are being applied to. This will make it easier to maneuver them into the correct position.

Hints & Tips: Please visit our website for additional hints and tips to assist you in getting the best result from you

1 Construction Step

Part Number

Photo Etch Part

Assembly:

Decals:

? Cho







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Do Not Cement

Cement For Metal

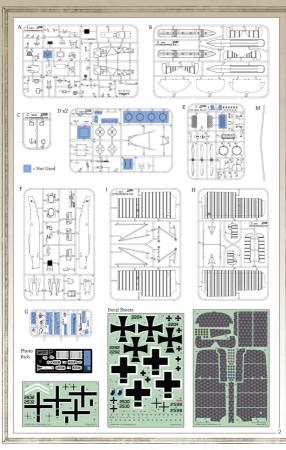


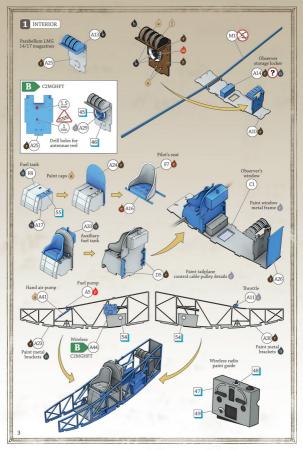
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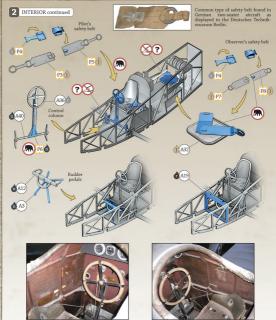
Paint Colour

a Brass	X31	54	
b Gun Metal	X10	27004	
c Aluminium	XF16	27001	
d Black - semi gloss	X18	85	
e Leather - semi gloss	XF52	62	
f Grey-blue – matt & gloss	XF83	165	
Interior Grey Green - semi gloss	XF76	90	
h Rust - matt	XF9	113	
i White - semi gloss	XF2	34	
Light Wood - gloss	XF59	93	
k Steel	XF56	27003	
Clear Doped Linen – matt & gloss	XF55	148	GC10
m Copper	XF6	12	
Dark grey - semi gloss	XF22	92	
Rubber - matt	XF69	66	
Red - semi gloss	X7	19	GC15
Q Light Blue - gloss	XF23(x1)+XF2(x1)	65	GC03
Dark Wood - gloss	XF68	98	
S Light grey - matt	XF19	64	

Note: Apply clear varnish to achieve the desired gloss or semi-gloss finish. "See our website hints and tips for painting wood.



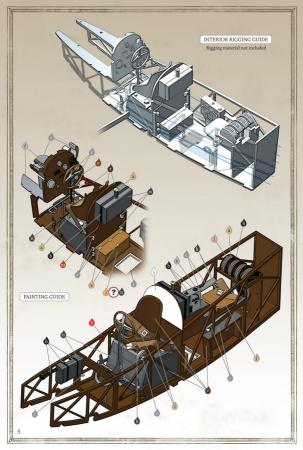


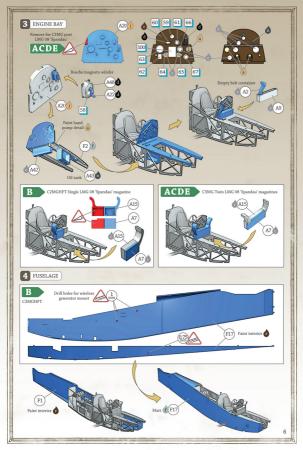


Cockpit detail from IVL A.22 (post war version of the W.29 successor, the W.33, built in Finland). While many details differ from our W.29, this is the only surviving Hansa-Brandenburg monoplane anywhere and therefore provides some useful information for the modeller. This sincraft is located in the Finnish Avistion Museum, Helsink, Finland.















An unidentified C3MG W29 undergoing demolition at Wilhelmshaven after the armistice. Note the empty mount for the port LMG O8 Spandau' and the fairing used to cover its opening in the cowling during use after the end of the war. Note that the cowling loosely stuffed into the empty engine bay is not from a W29.





CZMGHFT W.29 2583
also undergoing demolition at Wilhelmshaven
after the armistice. Note
the throttle linkage
detail, Niendorf propeller
with brass tips and
makers plates [59] just
above the foot step. There
was no provision for a
port LMG 08 "Spandau" on C2MGHFT W.29s.















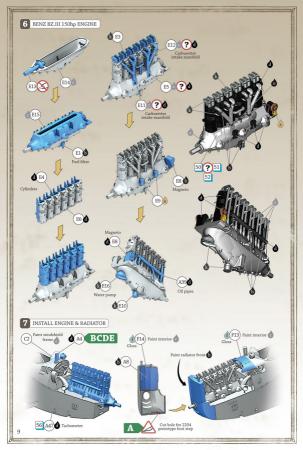
2204 prototype observer's cockpit surround as seen on this W.29 and 2206. BMW IIIa powered 2205 would almost certainly have had the same style but no photograph showing this aircraft has come to our attention so far.

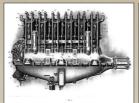


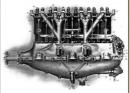
Cockpit cowling from W29 2512 showing the production style of observer's cockpit surround. It was common Hansa-Brandenburg practice to paint the insides of upper fuselage cowlings white and this is how we recommend painting them for this model.



totype W.29 2204 resting peacefully at the beach. The ribtapes on the underside of the wings appear to have had an additi-k strips at the wing roots, brass propeller tips and style of gun ring (v_{12}) & (v_{12}) . No anemometer (λ_2) was fitted to 2204. ossy dope which is reflecting the background light. Note non-slip







These illustrations from the Benz Bz.III engine manual show many useful details for the modeller.





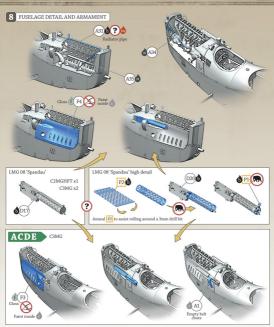
These photographs of a Benz Bz.III engine, taken to document severe damage to the front end, allow us to see many interesting details for the modeller.



Benz Bz.III engine detail from W.29 2583 undergoing demolition at Wilhelmshaven after the armistice. Note the hammer on the engine bearer and the axe protruding out of a rather substantial hole in the fuselage. The front exhaust pipe is unusually bent forwards.



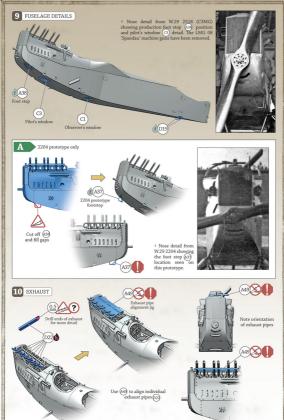
Radiator and nose cowl detail from W.29 2512.



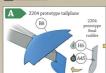


LMG 08 'Spandau'
detail from Fredrich
Christiansen's W.29
2512. Note the
tachometer (wit) in
front of the
windscreen (c) and
small aircraft
number on the
ammunition feed
chute (413. The hole
in the fuselage
under the barrel is
for expelling the
empty LMG 08
'Snandau' shell's





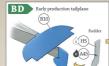






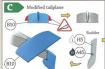


Detail from the 1st W.29 proto-type 2204 showing its final tailplane





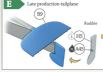








type 2206 showing the early produc-tion form of tailplane. The horizon-tal tailplane was built from ply and





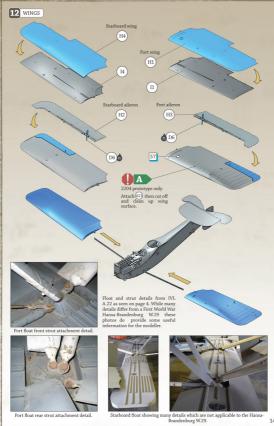
the modified tailplane. The tips of the horizontal tailplane have been cut off but it retains the production elevators.



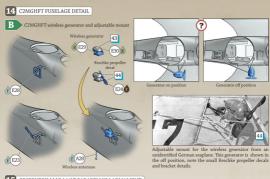
late production horizontal tailplane and elevators.

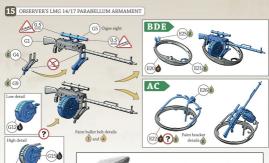


W.29 25?? (the full number is not legible) of 1 C Staffell Seeflugstation Zebrugge displaying the usual location of the wing balkenkruez, 3 slightly outboard of where they are on 2206. The early production tailplane is evident as are the black painted floats and struts.









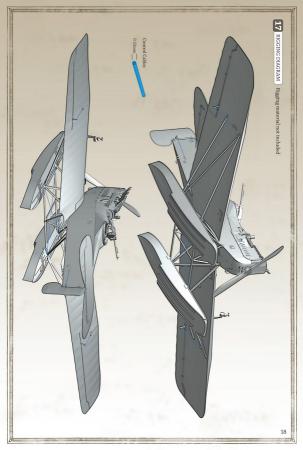
An unidentified airman test fring a Parabellum LMG 14/17. Note the empty belt, Oigee optical sight and cocking handle details. While we have yet to positively identify any W.29 fitted with the earlier Parabellum LMG 14, we have included optional photo-etched barrel details 59 and 1901 in case photographic evidence comes to light.

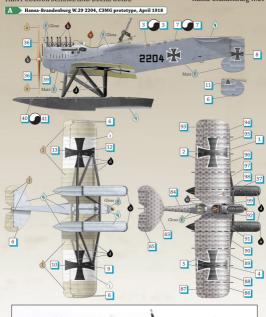




C3MG W.29 2518, identified by the large number painted on the propeller, serves as a suitable backfrop for Schreiber, Bibles, Lehnann (unfortunately all unidentified) and comrades. The jumbled remains of several sea planes in the background and lack of twin LMG 08 'Spandau' machine guns indicate this photograph may have been taken after the armistice.

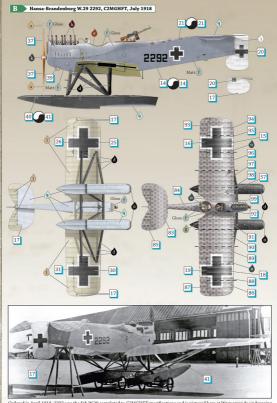




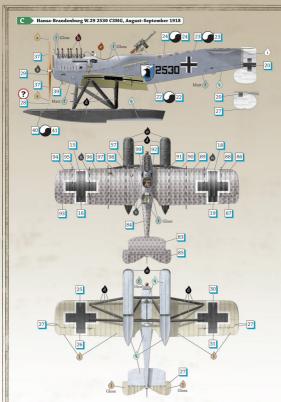




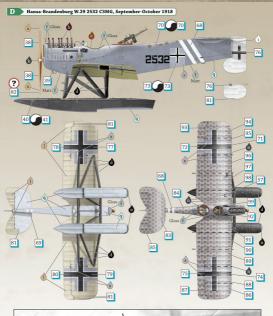
W29 2204 first flew in March 1918 and went through several refinements before arriving at the final configuration seen here. W29 2204 was a C3MG aircraft armed with 3 machine gums and no vireless equipment, it is fitted with an Axial propeller here but at other time different propellers were fitted as seen on page 8. Note the style of beaching trolleys and rear fuselage support (0.3).



Ordered in April 1918, 2292 was the 5th W.29 completed to C2MGHFT specifications and is pictured here at Warnemunde undergoing acceptance testing. Note the adjustable mount for the wireless generator, early tailplane, black floats and struts, Niendorf propeller and the position of the wing balkenkruez.

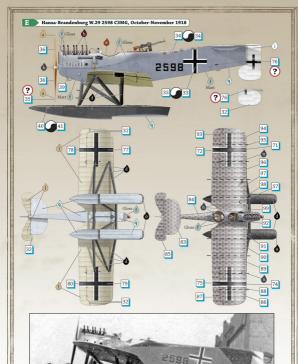


Ordered in early April 1918, W.29 2530 was stationed at Zeebrugge as part of Seeflugstation Flanders II. Features to note include the small name plaque 'Anne' on the nose, flares under the observer's cockpit, gun ring and heraldic wappen (shield) marking on the side of the fuselgae. The undensitied cree of this aircraft is almost certainly the same as from an identically marked W12 1401 as seen in Brandenburg W12 Windsock Datafile 61. For a photo of W29 2530 see Windsock Datafile 55 or Over The From, Volume 24 number 4, 2000 at 182 host of W29 2500 see Windsock Datafile 55 or Over The From, Volume 24 number 4, 2000 at 182 host of W29 2500 see Windsock Datafile 55 or Over The From, Volume 24 number 4, 2000 at 182 host of W29 2500 see Windsock Datafile 55 or Over The From, Volume 24 number 4, 2000 at 182 host of W29 2500 see Windsock Datafile 55 or Over The From, Volume 24 number 4, 2000 at 182 host of W29 2500 at 182 host of W29





From the same production order as \$\int_{\circ}\$\) 2525 features the diagonal white band markings of the Seeflugstation based on the reservit island of Nordemey. The wide March 1918 balanchance have been alreaded to the thinner June stelp by nearly overpainting them with black and white and grey paint. This may have been positioned directly over the existing cross like where the stellar of sightly outboard as seen in the photo to nage 24 as both locations are shown in active photographs and until an image confirmed to be the upper surfaces of 2532 comes to light, either style is possible. Note how the engine coverings are shainer than the fastegate, from the caption to the original photograph the plot is identified as Yominger.







W29 2206 was the 3rd prototype and the only W20 to be powered by the 1600p Daimler-Merceden D.III engine, it was also the 1st W20 to reach from time service, it is interesting to note that there are no upon earlier or large visible in any W20 photos. They are there, but are either very carefully painted to match the surrounding naval hexagon printed camouflage fairly or the control the same material and carefully algaped to match the unrounding naval hexagon printed camouflage fairly or they are out from the same metarial and carefully algaped to match the underlying pattern. The wing crosses are positioned as for \$\frac{1}{2}\$ (note how the alleron control horn is positioned inside the white border) but are of the balkenkuze design introduced in the middle of March 1918. It is possible that this accreate that she early backbollum IMG 16 doctorer's arrangement.



W29 2277 (the full number is not legible) showing how the March 1918 balkenkruse design has been converted to the thinner style introduced at the end of June by overspainting the earlier style with black and white and grey paint. On this particular aircraft for June balkenkruse have been painted slightly outboard of the earlier ones, but this was not always the case. Note the 2-2-2 arrangement of the Bernz B.III debaust and Parabelheim LMG 14/18 with Oiges optical slight.



Tentatively identified as 2204 in its earlier configuration due to its Benz Br.III engine exhaust pipes, prototype observers cockpit surround and early style of rudder, this W29 shows off the graceful lines of its advanced design. Note how the upper fuselage coolings stand out compared to the fuselage, possibly due to them being in their early unpainted aluminium finish. The original caption to this photo identifies a Lt Mouvikmeyer in flight, whether he was the pilot, observer or the result of misinterpreting the original handwriting is not known.



Unfortunately the aircraft number painted on the tip of the Niendorf propeller is not clear enough to identify this C3MG W.29. Note the distinctive W.29 wing profile, anemometer (22) and production style tailplane and elevator details.

» Fredrich Christiansen's W.29 2512 photographed while attacking HMS C.25 on 6 July 1918. Six crewmen were killed in the 35 minute attack, including the commanding officer LD avid Bell, but the 5 eas planes of 1 C Staffell Seeflugstation Zebrugge could not sink C.25 which was towed to safety by another submarine, HMS E.51. Despite escaping to safety, C.25 was awarded as a kill for Christiansen.





^ On 31 July 1918 four W.29s of 1 C Staffell Seeflugstation Zebrugge attacked Felixstowe F.2a N4305 setting it on fire and killing 2 of the crew. This photo and the one below are believed to show this dramatic action.





C2MGHFT W.29s 2580 and 2583 await demolition at Wilhelmshaven after the armistice. Both aircraft were from a batch of 20 C2MGHFT W.29s (numbers 2564 to 2583) ordered in late May 1918 and feature late production tailplanes (B9). The neter has been removed from 2580 and neither aircraft has any weapons fitted. What appears to be a hole in the side of 2580 is damage to the photograph negative.



3-D Modelling by Jason McAdam From a very early age Jason has embraced his

creative side, whether it be through drawing or modelling. This creative nature was strongly grafted with a passion for transportation design, whether it be by land, air or sea. Having graduated with an honours degree in Industrial Design Jaso

has gone on to develop his skills further in his design work with Weta Digital, While at Weta, Jason has continued to push the boundaries of software technologies and applications, with a keen eye for detail. This passion for design comes hand in hand with a love of sport and recreation, with motorbike riding being among the more popular of pass times



Profile Art by Ronny Bar

Ronny Bar developed a keen interest in airplanes from an early age, living close at the El Palomar Air Force Base in Buenos Aires. He first flew in the back seat of a T-34 Mentor trainer at the age of ten, and was soon drawing airplanes and

He became a successful bass player with a career lasting over 35

years in several Rock bands, recording ten albums (one of them being a National hit selling more than 100,000 copies) and performing countless concerts, TV shows and tours all over

Now retired from the R'n'R scene, his interest returned to his early passion: Aviation Artwork, Visiting the WW1 aircraft collection at Hendon focused his already growing interest for that historic period. His artwork is regularly appearing in journals and publications like Windsock Worldwide, Windsock Datafiles, Cross & Cockade and Over the Front.

Visit Ronny's website at: www.ronnybarprofiles.com



Box Art by Steve Anderson

Steve Anderson is an avid historian of military aviation, with a special interest in the many beautiful biplanes and triplanes of World War I.

The aircraft and battles of famous World War I aces such as Baron Manfred von Richthofen etter known as the "Red Baron"), James McCudden, Raoul Lufbery, Ernst Udet, Werner Voss, and other pioneers of dogfighting are among Steve's favorite subjects.

An Artist Fellow of the American Society of Aviation Artists, Steve creates works that reflect scrupulous attention to historically accurate detail, from the colorful markings on the fuselages to the time of day of an actual battle.

Visit Steve's website at: www.anderson-art.com.



Project Co-ordinator, Richard Alexander

A native of Wellington New Zealand, Richard Alexander has a long term interest in military history, race cars & local drivers from motor sports golden era of the '60's. Other interests include mountain biking, scotch and cigars.

An accomplished modeller Richard's models have twice bee awarded Best Overall in Show at IPMS(NZ) National Conventions and earned him the inaugural TamivaCon(NZ) Master Modeller award (along with the associated trip to Japan) in 2001. Many of his works are in private collections around the world, though he no longer accepts commissions.

Richard has been in the model and hobby industry since 1991 and brings with him a keen eye for detail and a passion for ensuring our models are enjoyable to build. So if there is anything you don't like about this model, you can blame him.

If you do have comments, requests or suggestions, Richard is contactable at richard@wingnutwings.com



32010	1/32 Hansa-Brandenburg W.29	Qty
0132010A	A parts	1
0132010B	B parts	1
0132010C	C parts	1
0132010D	D parts	2
0132010F	F parts	1
0132010H	H parts	1
0132010I	I parts	1
0132010P	Photo-etched metal parts	1
0132010M	Metal wing spar	1
132E0009	E parts Benz Bz.III engine	1
132G0001	G parts Parabellum LMG 14/17	1
7132010	Instructions	1
9132010a	A decals Hansa-Brandenburg W.29	1
9132010b	B decals Hansa-Brandenburg W.29	1
9132010c	Naval camouflage Hansa-Brandenburg W.29	1

If you have any damaged or missing parts please contact help@wingnutwings.com for assistance.



32001 - 1/32 Junkers J.1



32005 - 1/32 Gotha G.IV



32006 - 1/32 Pfalz D.IIIa

Also available from www.wingnutwings.com

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