



The unique Gotha UMD seaplane was developed from the Gotha G.1 and plane and although only one was ever built, the highly distinctive twin engined Gotha UMD is nevertheless in beheged set Gothaer Wagonfabric on the path to building the more conventional seaplanes and bombers that they became famous for. The aircraft that would serve as the prototype Gotha G.1 was designed by Ookale Urinsus (the founder and editor of Flugpport magazine) to the German Army's Type III aircraft specifications of a 200h; 3 seater able to fly at over 120kph and carry 450kg for up to 6 hours. Urinsus proposed the idea of building his Kampfflugzeng (attate plane) to FEA3 commander Major Fredel in August 1914. The distinctive high studiega allowed the tool Holp Daimler-Mercedes D.1 engines to be placed as dose together as possible to minimize you effects should one engine fall. Construction began the following month utilizing Flieger-Feastra-Akelming 3 (FEA3) appearanced and the Friedel-Urinsus Kampffugzeng; Urinsus Kampffugzeng virinsus August 1914. The distinctive high studiega elowed the tool of the partially armour plated fuelsage offered great visibility but provided little protection to the crew in the event of a nose over crash. Additionally the fuselage design was considered weak and it was considered to be underpowered. After further evaluation and minor changes "FU". B.10092/14 was sent to the eastern front for operational trials.

The license to build the "FU" Kampfflugzeug was allocated to Gothaer Waggonfabrik in March 1915 and incorporated many changes including 160hp Daimler-Mercedes D.III and 150hp Benz Bz.III engines, nearly equal span wings, bomb carrying capacity, wheel type control column and a modified tailplane. The initial production orders for 6 Gotha G.1 land based aircraft and 1 Ursinus Wasser Doppeldecker (UWD) seaplane were placed in April 1915. To facilitate transport by rail, the fuselage could be disassembled into 3 sections which did nothing to help with structural rigidity. There would only be 18 Gotha G.1 built in total because the fast progressing development of combat aircraft meant that it was considered obsolete shortly after entering service in July and almost all of them had been retired from front line service by February 1916. The UWD was one of several different twin engine seaplanes ordered by the Navy to fit their requirements for a long range reconnaissance and torpedo carrying aircraft. The sole UWD was completed in late December 1915 and given the Naval serial number 120. UWD 120 initially featured an upside down tailplane but this is conspicuously absent from photos taken during its testing at Warnemunde in January and February 1916, having now been re-installed the "right way up". The UWD was described as easy to fly, able to take to the air with ease and was smooth on landing. Sometime after passing its testing phase, UWD 120 had a "proboscis" bomb dropping tube fixed under its nose, additional windows installed and balanced ailerons fitted. There is currently no evidence to suggest that UWD 120 was ever used to carry a torpedo. Gotha UWD 120 was used to bomb the English coast during 1916 and continued to serve the Navy until it was written off in a crash on 2 October that year. Any history of this interesting aircraft here is of necessity very brief, therefore we encourage you to seek out the references mentioned below for a more thorough understanding

WWI 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. Photographic evidence shows that the fuselage linen, wings and talplane of the UWD apparent for the providence shows that the fuselage linen, wings and talplane of the UWD apparent to have been painted with a black bituminous trab been finished in all over field grey. The wooden nose and floats appear to have been painted with a black bituminous trab bear to have been painted with a black bituminous trab and rear section of the fuselage appear to have been finished similarly, although these may have simply been overpainted with a darker version of field grey. All most blackers, cooling, panels and strong appear to have been gained a very very light grey, almost white colour. The interior have been after the providence of t

Richard Alexander 2019

20.1m (66ft)	14.2m (46.6ft)	2552kg (5626 lb)	137kph (85mph)
No. Manufactured:	Production:	En	gine:
1 (one)	1915	2x 160hp Daim	ler-Mercedes D.III
3700m (12000ft)	1v I MG 14 P	araballum gun and un to 160kg (353	lb) of hombs

Gotha G.1 Windsock Datafile 83, PM Grosz 2000 - Colin Owers - 1914-18 Aviation Heritage Trust - The Vintage Aviator LTD
Private Collections



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 polyurethan resin parts (if included). Beware of sharp edges on metal parts. Warning:

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. Assembly:

If installing rigging please drill out all location holes with a 0.5mm drill bit to a depth of at least 1mm. To make Rigging: rigging as simple as possible we recommend using stretchy elastic type material like 'EZ Line' etc and not trying to replicate any turnbuckles.

Painting: Only use paints designed and suitable for plastic model kitsets.

Decals: Cut out each decal as required. Soak in warm water for 15 seconds. Slide off backing paper onto gloss painted surface of model (not just clear coated plastic). 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.

your Wingnut Wings model





Choose



Attention



Part Number



Do Not Cement



Option



Decal Photo Etch Part



Cement For Metal

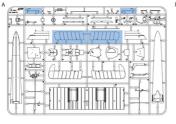


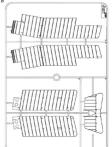
Other Side

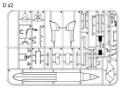


a	Brass	X31	54	
	Gun Metal	X10	27004	
	Aluminium	XF16	27001	
d	Black - semi gloss	X18	85	
e	Dark Wood - semi gloss	XF68*	64*	30111*
f	Leather - semi gloss	XF52	62	30219
g	Very Light Grey - semi gloss	X2(x10) + XF19(x1)	22(x10) + 64(x1)	37722
h	Unbleached Linen - matt	XF57	121	30475
i	Rust - matt	XF9	113	20045
j	Field Grey - semi gloss	XF22	92	24159
k	Light Wood - semi gloss	XF59*	93*	33245*
1	Steel	XF56	27003	
m	White - semi gloss	XF2	34	
n	Grey Green - matt	XF76	-	24424
0	Red - semi gloss	X7	19	11350
р	Copper	XF6	12	
q	Grey Overpaint - matt	X22(x10) + XF19(x1)	92(x10) + 64(x1)	
r	Bituminous Waterproofing - semi gloss	X19	33(x1) + 49(x1)	
s	Dark Field Grey - matt	XF65	116	34159

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

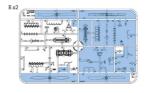




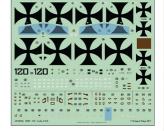


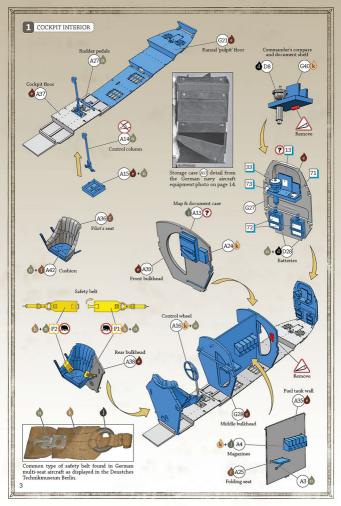


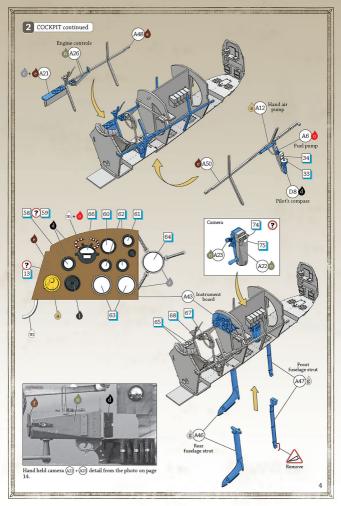


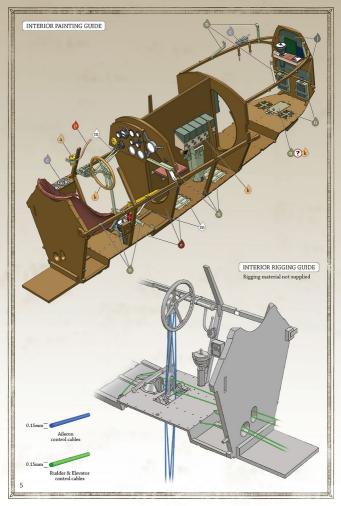


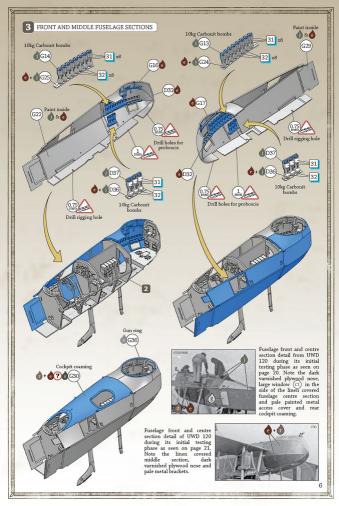


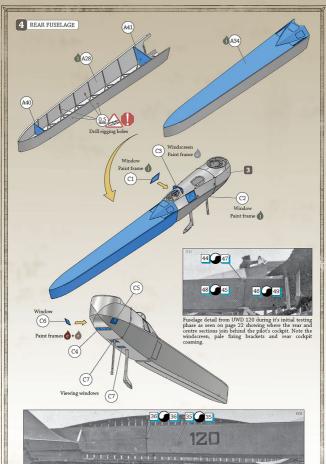




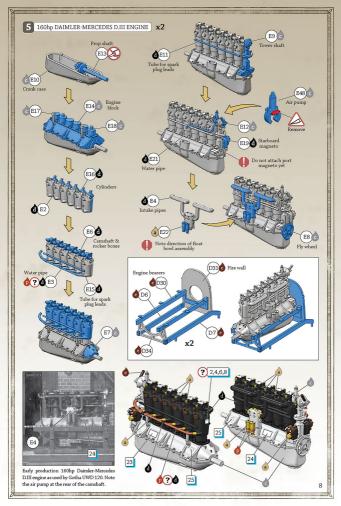


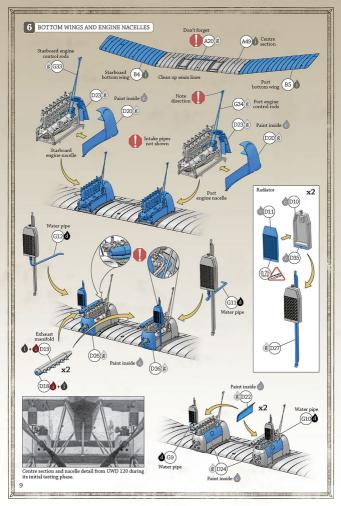


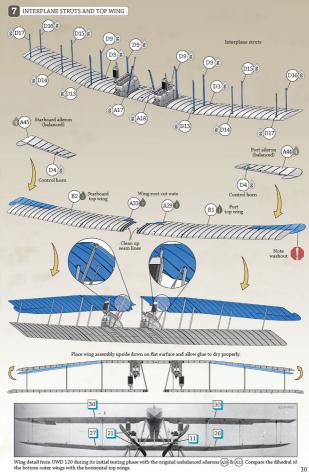


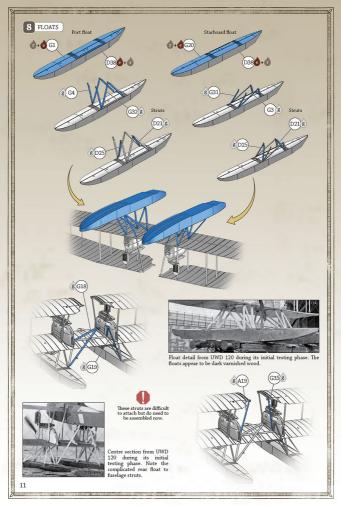


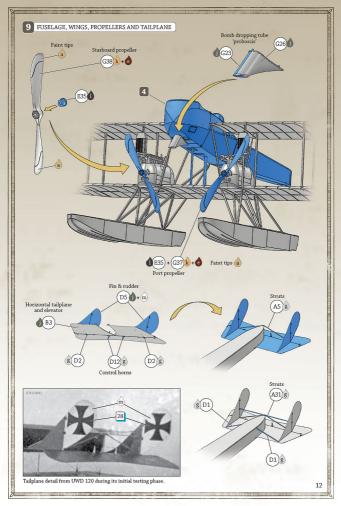
Rear fuselage from UWD 120 during it's initial testing phase showing where the various sections join. Note the slightly different tones of the various sections of the fuselage.



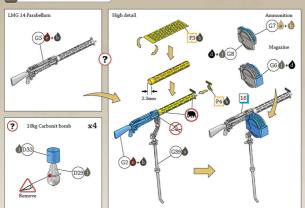


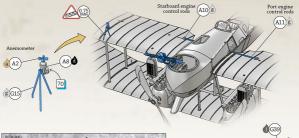




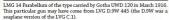


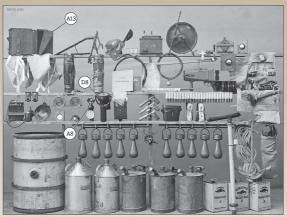
10 ARMAMENT & FINAL ASSEMBLY











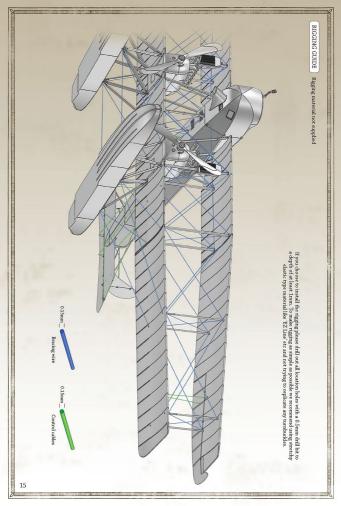
Some of the equipment that could be carried on German Navy aircraft in the Great War, only some of which would appear to be applicable to Gotha UWD 120. Note the fuel & oil cans, small bombs, flare pistols, tools, compass and binoculars etc.

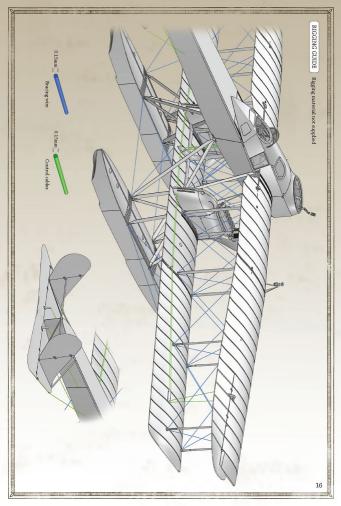


The original Oskar Ursinus designed Friedel-Ursinus Kampfflugzeug "FU" B1092/14 photographed in early 1915 in modified form with balanced ailerons and Hazet radiators to cool its 100hp Daimler-Mercedes D1 engines. The unequal span wings, angled outer stutus and talphane are the most identifiable differences between this and the Gotha G.1.



Gotha G.1.9/15 was the production prototype and first sircast completed from the initial production order and is seen here at Hiegererast Aberlaim, of FLRA 77 in K6In in mil 1915. Note the two incor realisators, bomb dropping cage and IMG 68 "Spandau" armament. Although 9/15 was powered by 160lip Daimler-Mercedes engines like UWD 120, the remaining G.1 from the 1st and all 2nd production orders had 150lb Bern B. Ell Height 1989.







Gotha UWD 120 was the sole example of its type. It was ordered in April 1915 and delivered to the Navy testing facilities at Warneminde in late December 1915 where it underwent successful trials in January and February 1916. It was modified with additional viewing windows, a probosic is bomb dropping tube and balanced alterons in time for it to participate in a 6 aircraft raid on the English coast on 19 March 1916 which killed 9 civilians (including 6 children), 5 soldiers, and a chicken. Gotha UWD 120 remained in service until 2 October 1916 when it was written off in a crash.



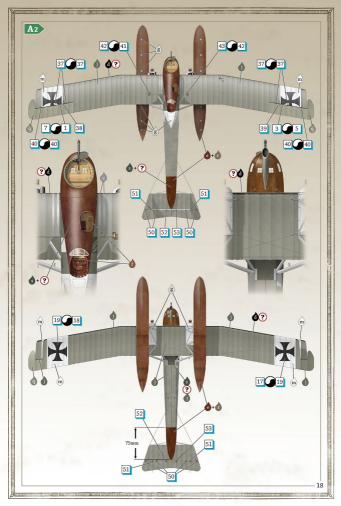
- ^ Gotha UWD 120 fitted with balanced ailerons and "proboscis" bomb dropping tube at Zeebrugge.
- > Gotha UWD 120 is lowered into the water, perhaps on 19 March 1916. The "proboscis" is barely visible.
- v Another photo of Gotha UWD 120 in flight. Note the lack of crosses on the recently fitted balanced ailerons.







^ Gotha UWD 120 is shown here in flight, reportedly on its way to bomb the English coast on 19 March 1916. Note the window cut into the nose, "proboscis" bomb dropping tube and heavily discoloured rear of the fuselage.









Gotha UWD 120 undergoing testing at Warnemünde in January or February 1916. Note the opaque nature of the linen covering



32053 Product Design by Nick Moore

Nick is an Industrial Design graduate and an experienced scale modeller with a longstanding interest in most periods of history. Before working at Wingnut Wings he knew less about WW1 aviation than later periods and was surprised by the

than later periods and was surprised by the innovations achieved during this time. His investigation of WW1 aircraft has encouraged further his interest in aircraft of the "Golden Age" of the 20's and 30's which have particularly beautiful forms.

The 3D design challenge he found while working at Wingnut Wings from 2008 until 2015 was adapting the real aircraft to scaled down replicas with the necessary adjustments for injection moulding, when of course, as a modeller – he would like 100% reality.

Nick was at one time a private pilot but never took the controls of a bi-plane – the oldest plane he was rated in was the classic old tail dragger, the Piper Cub. These days most of Nick's spare time is spent with his young family.



32053 Product Manager, 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. An accomplished modeller Richard's models have twice been

awarded Best Overall in Show at IPMS(NZ) National Conventions and earned him the inaugural TamiyaCon(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 richardswingnutwings.com



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

building models: Spitfires and Messerschmitt first... Camels and Fokkers later. He became a successful bass player with a career lasting over 35 years in several Rock bands, recording ten albums (one of them

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 Argentina.

Now retired from the RnR scene, his interest returned to his early passion: Aviation Artwork. Visiting the WVI 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 & Coclade and Over the Front.

Visit Ronny's Facebook page -

www.facebook.com/RONNY-BAR-Aircraft-Profiles-166538664131/



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

(better 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.



32053	1/32 Gotha UWD	Qty
0132045A	Aparts	1
0132045B	B parts	1
0132053C	Cparts	1
0132053D	D parts	2
132E0005	E parts Merc D.III engine	2
0132053G	G parts	1
0132053P	Photo-etched metal parts	1
7132053	Instructions	1
9132053	Decals	1

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



32066 - Felixstowe F.2a (Late)



32036 - Hansa-Brandenburg W.12 Early



32801 - Feliastowe F.2a & Hansa-Brandenburg W.29

Also available from

www.wingnutwings.com

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