

Horten IV.a "German Flying Wing Glider"



1:48
PLT 184

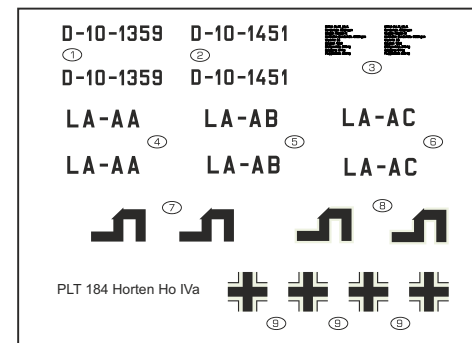
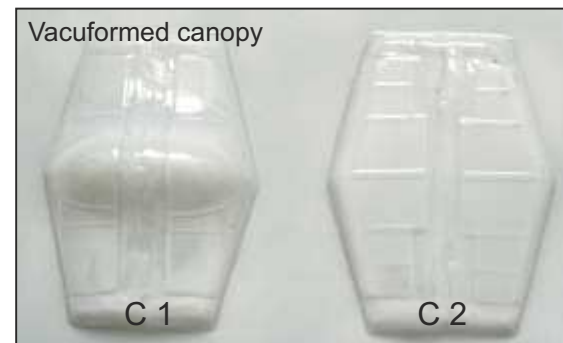
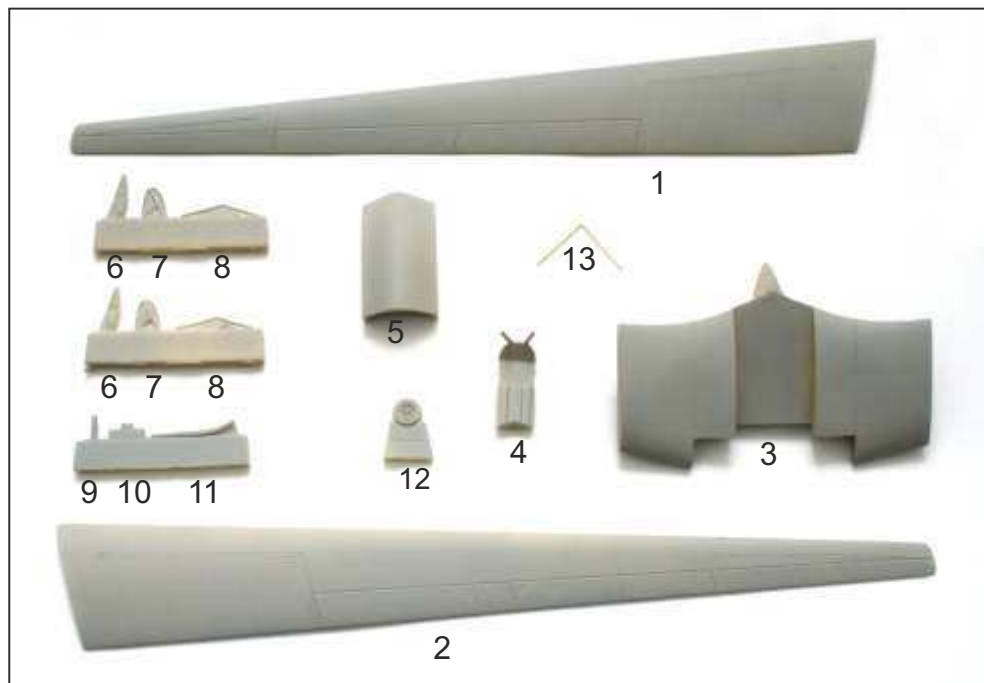
Podobně jako se v USA věnoval létajícím samokřídům Jack Northrop, v Německu se těmto letounům věnovali bratři Hortenové. Při své práci byli inspirováni prací prof. A. Lippische, dalšího průkopníka samokřidel. První samokřídlo Horten I postavili v roce 1934. Vývoj šel přes další stále vyspělejší větroně Horten II a III. V roce 1941 navrhli a postavili vysokovýkonný větroň Horten IV. Při stejném rozpětí mělo křídlo nového větroně podstatně menší hloubku oproti staršímu Horten III. Pilot v kabině neseděl, ale klečel. Nohy opřené do pedálů měl ukryty v podtrupové gondole. Větroň přistával na lyži ve spodní části podtrupové gondoly a sklopnou předovou nohu.

Byly postaveny tři kusy. Vyvinuta byla také verze Horten IVb s laminárním křídlem. Těsně před koncem války stihli Hortenové postavit ještě vyspělý Horten VI. Ten byl jako válečná kořist předán firmě Northrop.

Similarly as in USA dedicated wings Jack Northrop, in Germany dedicated themselves to these airplanes the Horten brothers. At their work they were inspired by the work of professor A. Lippisch, a further pioneer of flying wings. They built the first flying wing Horten lin 1934. The development went on over more and more mature sailplanes Horten II and III. In 1941 they projected and built the high performance sailplane Horten IV. At the same span the wing of the new sailplane had a substantially smaller depth incomparison with the older Horten III. The pilot did not sit in the cocpitt, but he knelt. His feet leant against the pedals were hidden in the fuselage nacelle. The sailplane landed on a landing ski in the lower part of the fuselage nacelle and on a front leg. Built were three peaces. Developed was also the version Horten IVb with a laminar wing. Just before the end of war the Hortens caught to build the very high performance Horten VI. This was as a war prey handed ower to the Northrop company.

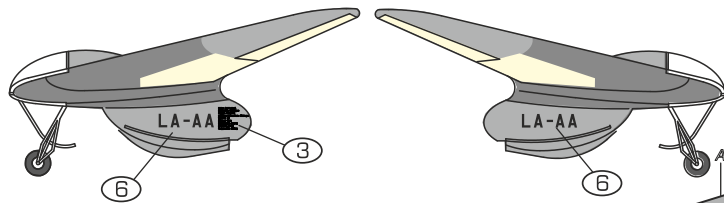
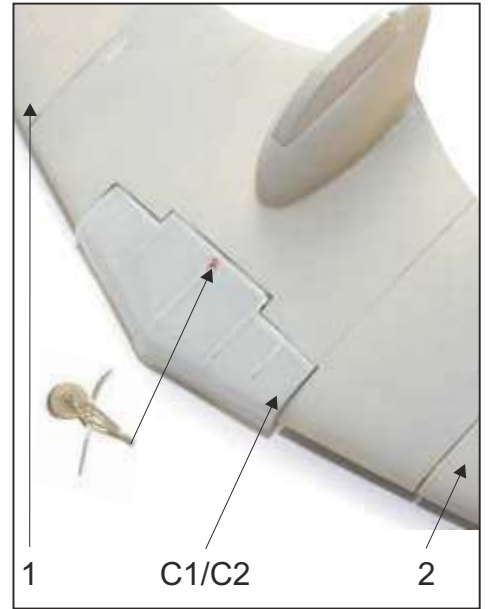
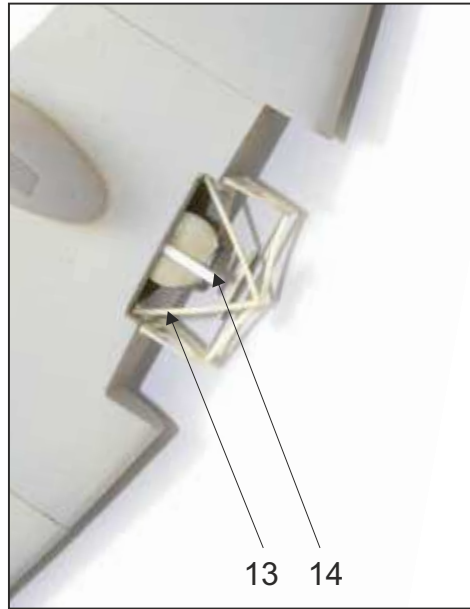
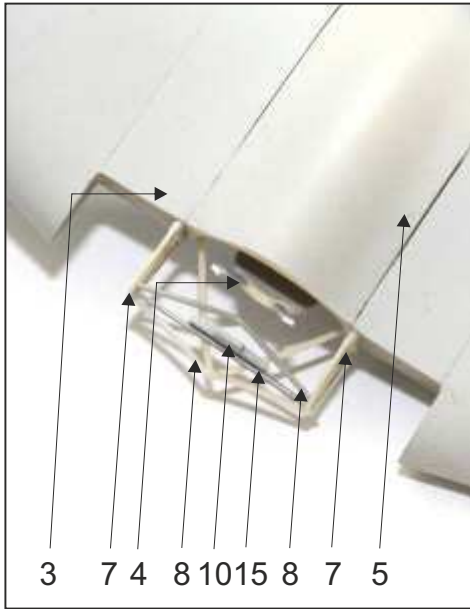
Rozpětí: 20,0 m , plocha křídla: 19,1 m², klouzavost 21

Span: 20,0 m, wing area: 19,1 m², gliding range: 21



K lepení použijte kyanoakrylátové lepidlo! Díly ohnuté, popř. pokroucené vlivem teplotních změn a stárnutí materiálu mohou být narovnány do požadovaného tvaru pomocí proudu teplé vody nebo vzduchu (fén na vlasy). Kontaktní plochy doporučujeme před lepením odmastit.

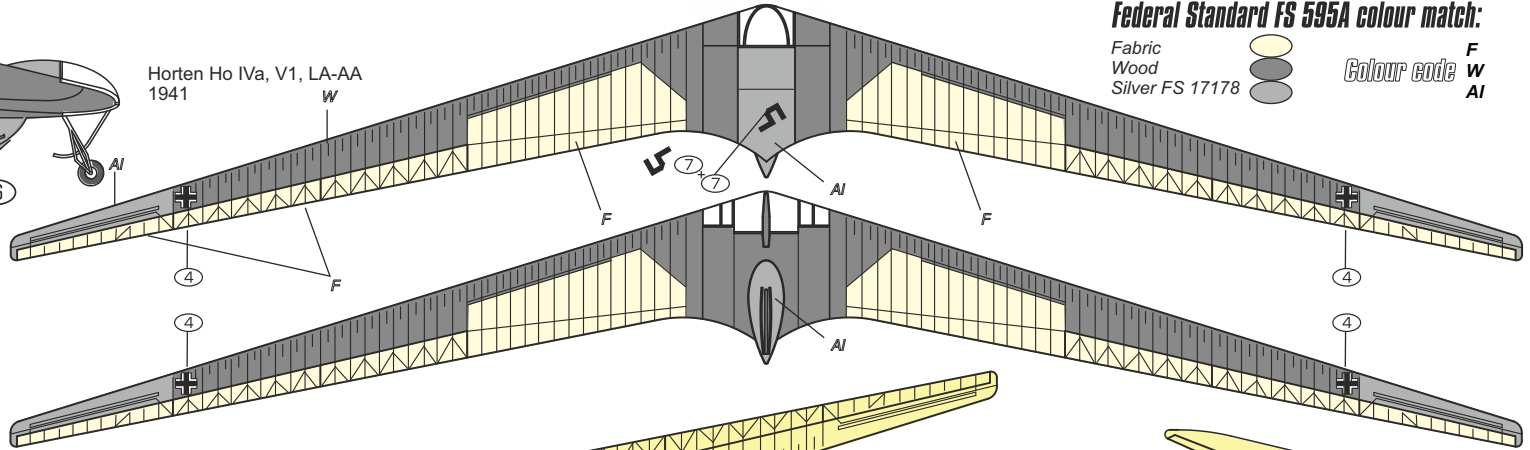
For best glueing results use cyanoacrylate glue! Parts slightly distorted and bended owing to temperature changes or due to material ageing can be straightened to requested shape by hot water or hot air jet. This process can be repeated till result is entirely satisfactory. Before glueing degreasing is recommended.



Horten Ho IVa, V1, LA-AA
1941

COLOUR SCHEME:

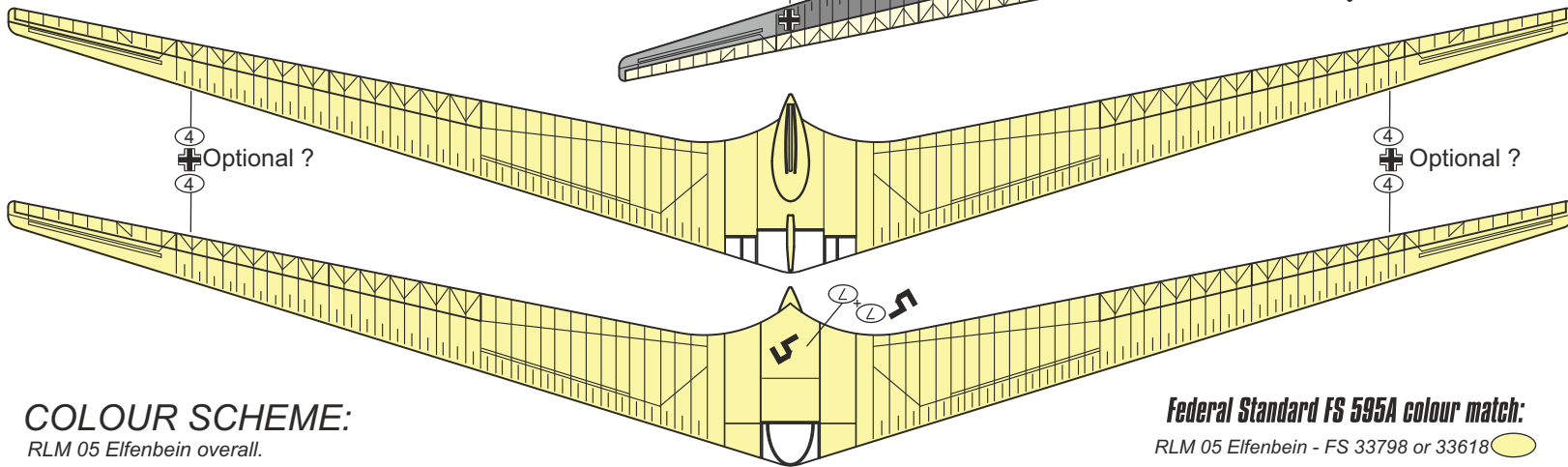
Wings surfaces:
Clear doped fabric with plywood surface
Wing tips were fabricated in light alloy
Fuselage nacelle - aluminium



Federal Standard FS 595A colour match:

Fabric  **F**
Wood  **W**
Silver FS 17178  **AI**

Colour code



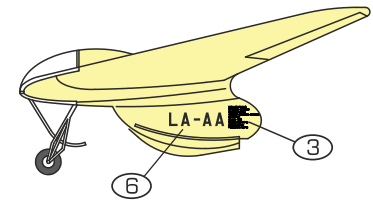
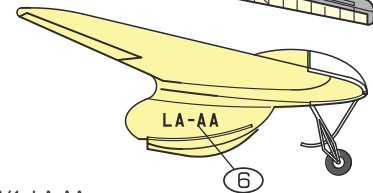
COLOUR SCHEME:

RLM 05 Elfenbein overall.

Federal Standard FS 595A colour match:

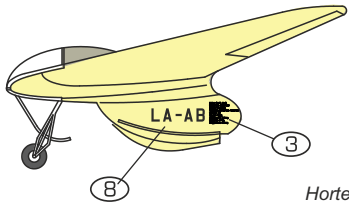
RLM 05 Elfenbein - FS 33798 or 33618 

Horten Ho IVa, V1, LA-AA
1941/42

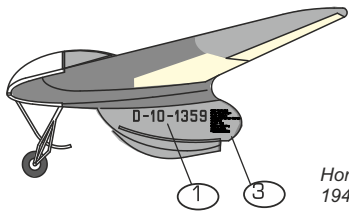
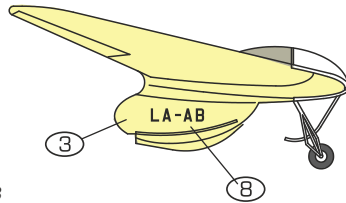


COLOUR SCHEME:

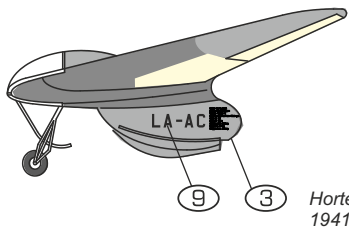
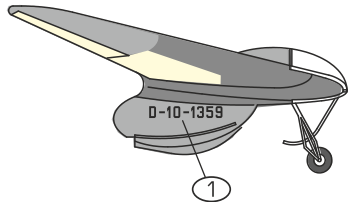
Upper side RLM 02 Grau, under side RLM 05 Elfenbein.



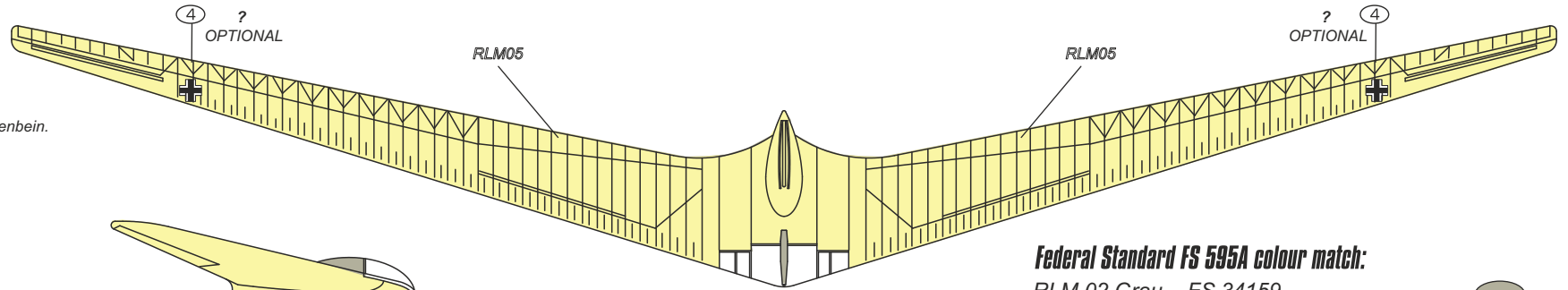
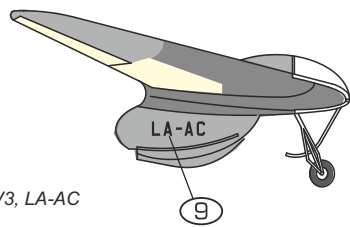
Horten Ho IVa, V2, LA-AB
1943



Horten Ho IVa, V1, D-10-1359
1941



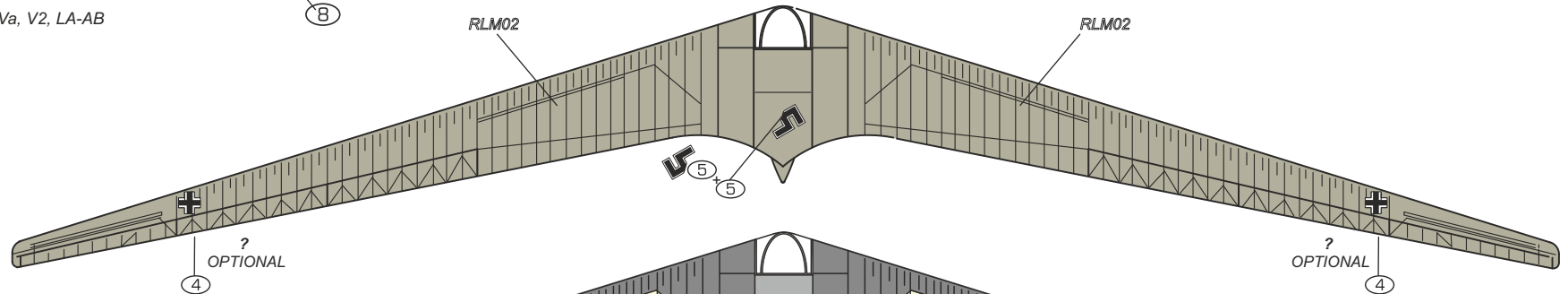
Horten Ho IVa, V3, LA-AC
1941



Federal Standard FS 595A colour match:

RLM 02 Grau - FS 34159

RLM 05 Elfenbein - FS 33798 or 33618

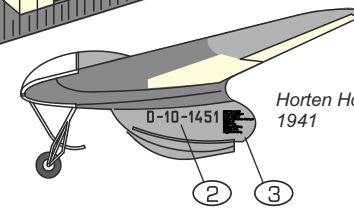
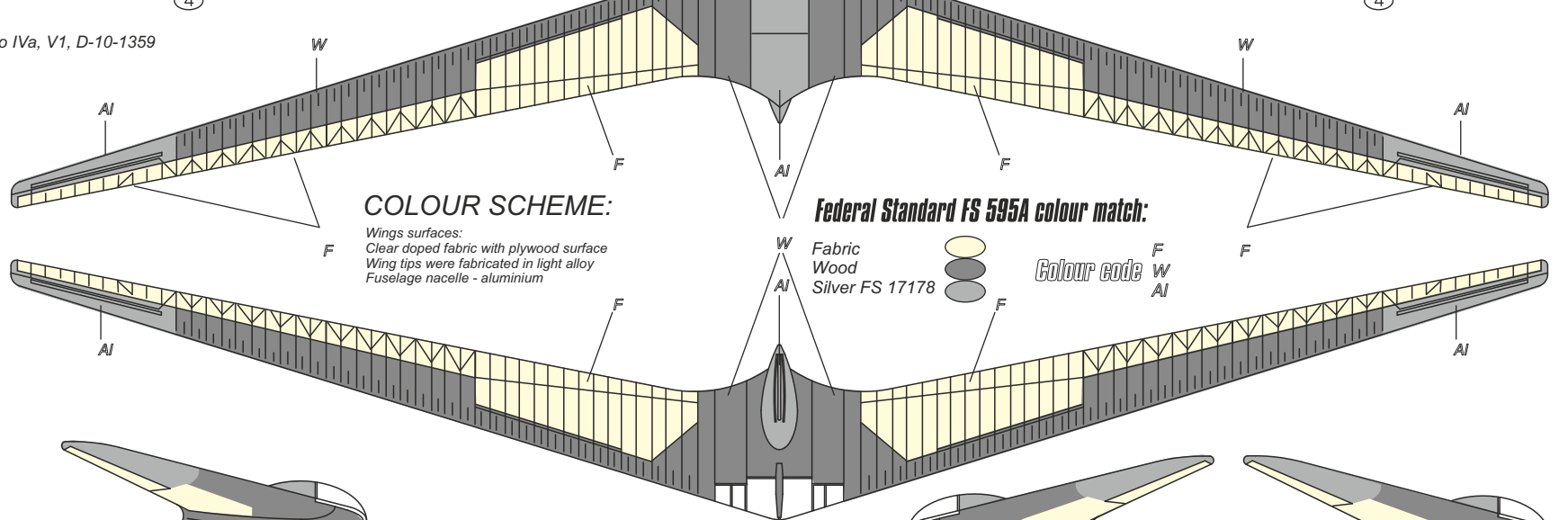


COLOUR SCHEME:

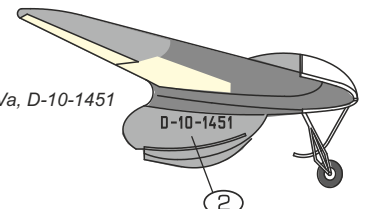
Wings surfaces:
Clear doped fabric with plywood surface
Wing tips were fabricated in light alloy
Fuselage nacelle - aluminium

Federal Standard FS 595A colour match:

Fabric
Wood
Silver FS 17178



Horten Ho IVa, D-10-1451
1941



*V sérii Planet Models dále najdete:
In Planet Models line you will find also:*



PLT 100 Letov S. 231

1/48



PLT 101 Vickers-Supermarine Spitfire Mk.21 1/72



PLT 179 Koolhoven F.K.58 "with H&S engine" 1/48



PLT 181 Letov S. 528

1/48



PLT 182 DFS Kranich

1/48



PLT 183 Focke Wulf Fw 19A ENTE

1/72



PLT 185 CW-22B

1/48



PLT 186 Blohm Voss P.209.02

1/72

- PLT 97 Stampe SV-4 1/72*
- PLT 103 Blohm Voss Ha 137 1/72*
- PLT 109 Heinkel He 118 1/72*
- PLT 110 Messerschmitt Me T-Leitwerk 1/72*
- PLT 111 Northrop "Tacit Blue" 1/72*
- PLT 116 A-12 Avenger II 1/72*
- PLT 128 Horten Ho VII 1/72*
- PLT 132 DFS Sailplane Sperber Junior 1/48*
- PLT 133 DFS Sailplane Habicht 1/48*
- PLT 138 Göppingen Gö 3 Minimoa 1/48*