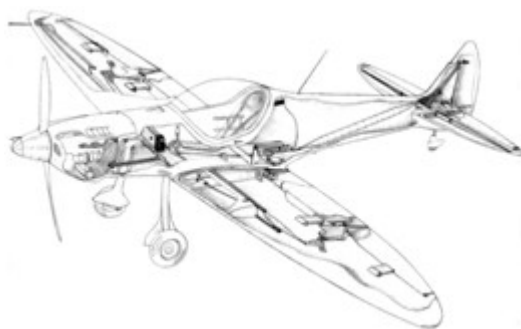


Revision 1.5



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## 10 Integrated Tailwheel

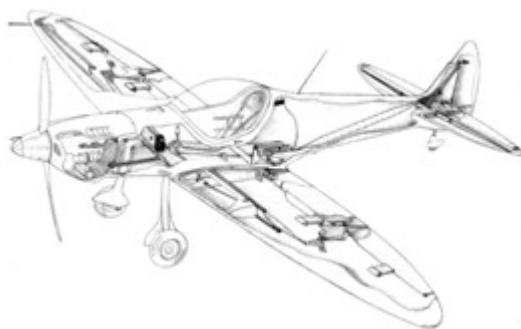
**While Installing the Integrated tailwheel the section 3.14 of installing the external tail wheel has to be ignored!**

**The section 3.12 of installing the rudder drive, has to be modified with the description of this section.**

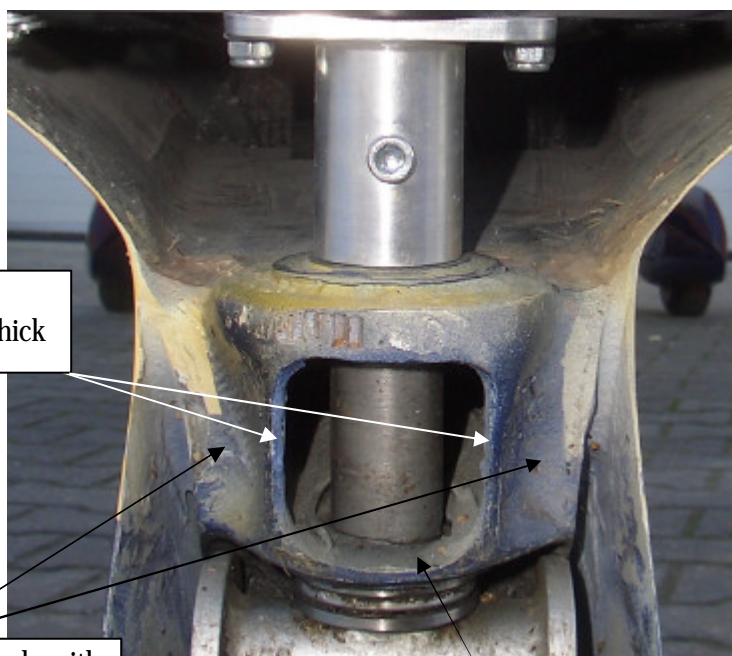
This section describes the following steps for the installation of the integrated tail wheel:

- 10.1 Installation of the carbon fiber ribs
- 10.2 Assembly of the rudder drive with the tail wheel bracket
- 10.3 Rudder assembly
- 10.4 Installation of the rudder stops

Revision 1.5



### 10.1 Installation of the carbon fiber ribs



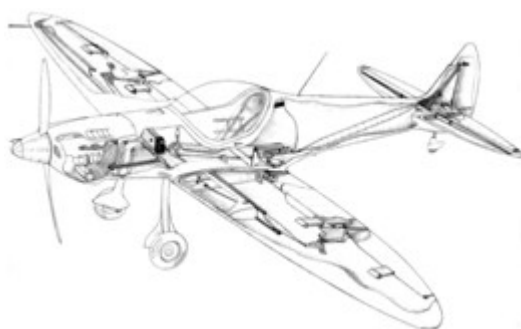
Carbon fiber spar web  
140mm x 45mm x 4mm thick

These areas are filled with  
thicker resin and are covered  
with two layer 205g/m<sup>2</sup>  
carbon cloth.

Carbon fiber rib of the integrated  
tailwheel installation kit.

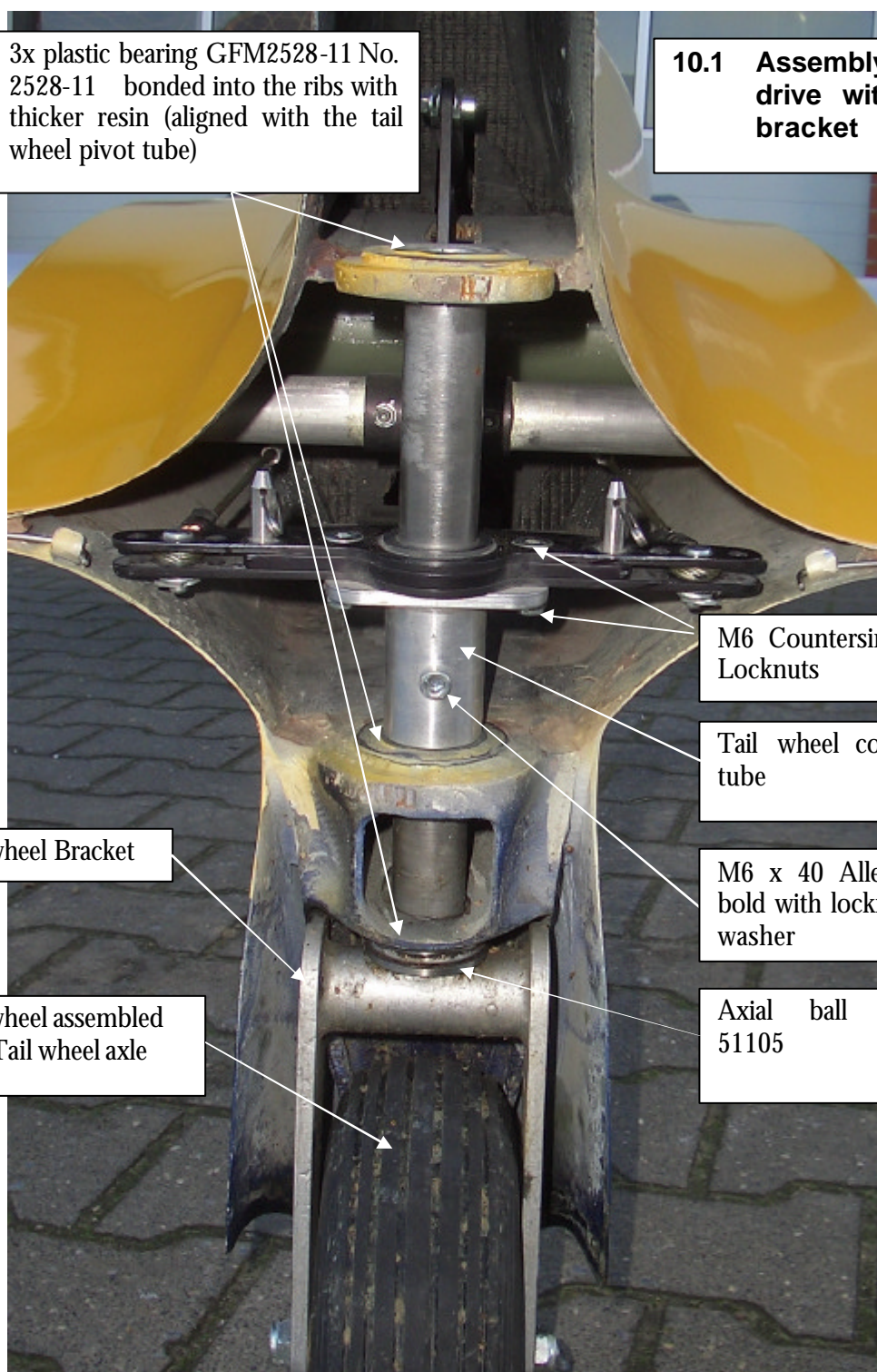
**All gaps between the ribs and fuselage structure have to be  
covered with two layers 205g/m<sup>2</sup> carbon cloth.**

Revision 1.5



3x plastic bearing GFM2528-11 No. 2528-11 bonded into the ribs with thicker resin (aligned with the tail wheel pivot tube)

### 10.1 Assembly of the rudder drive with the tail wheel bracket



M6 Countersink with Locknuts

Tail wheel connector tube

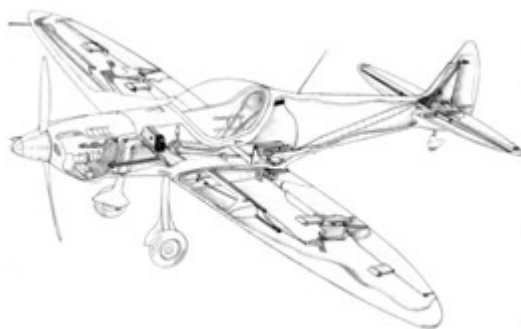
M6 x 40 Allen head bold with locknut and washer

Axial ball bearing 51105

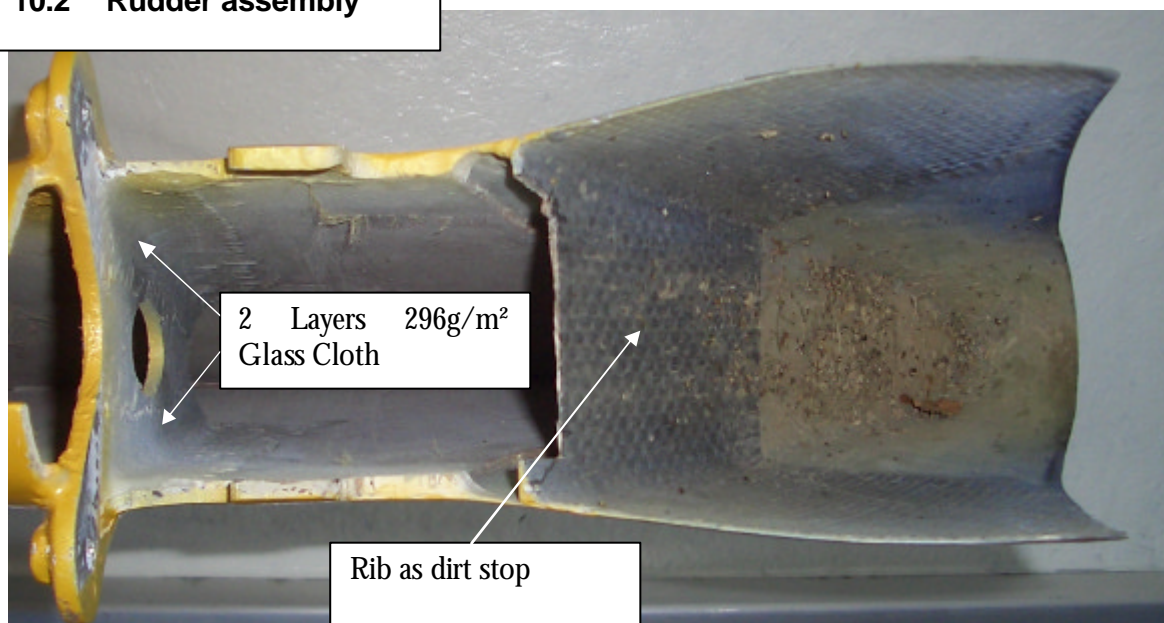
Tail wheel Bracket

Tail wheel assembled with Tail wheel axle

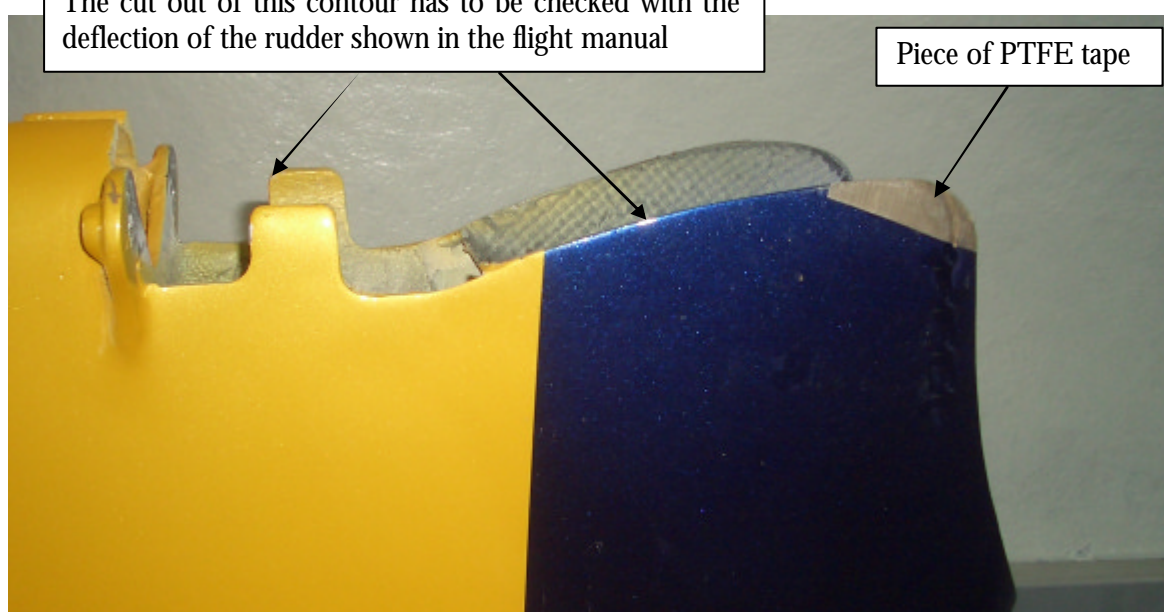
Revision 1.5



## 10.2 Rudder assembly

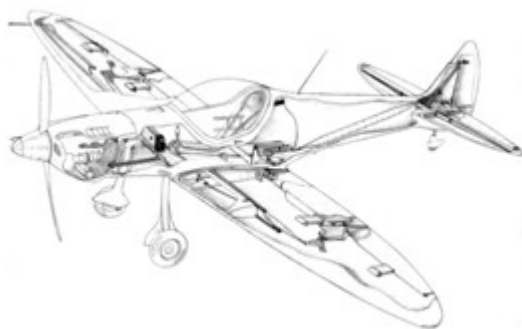


The cut out of this contour has to be checked with the deflection of the rudder shown in the flight manual





Revision 1.5



### 10.3 Installation of the rudder stops

