

Training project part 1 - 22/12/2010

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Worked on my first pieces today. The training project contains 2 parts.

First part is the simple assembly of 2 aluminum skin plates together and attach an angle profile at the end using various types of rivets. This isn't a real aircraft part but is intended to make you familiar with drilling, clamping, deburring, measuring in inches, dimpling and rivetting.

the second part of the project is a part of an control surface.

My first work session was really exciting. A lot of new tools to play with. I started on the first part and managed to do the drilling and clecoing of the parts together.

I lost a lot of time getting used to the inches and fractions. I don't have a rivet fan so I had to measure it manually.

A lot of time is also lost in remembering and looking up again the basic construction techniques. I guess you learn them by hart as you move on in the work process. How much distance is the minimal again from the side of the material to the first rivet ? oh yes, 2 times the rivet diameter + .3. What drill did you need again to drill a 4/32 diameter ? oh yes a #30. What's the first number in the rivet coding again ? ah, the diameter in 32nds.

That kind of things...

To make things faster I intend to make some large size copies of this to put it in the workshop.

The picture below shows the result of step 1, drilling, deburring.

