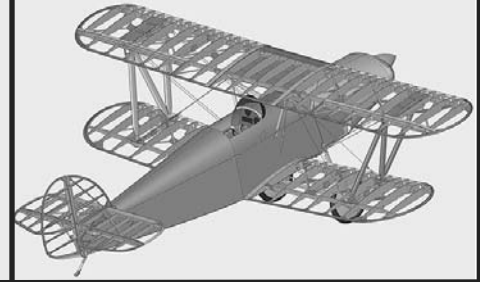


Scale Built R/C Drawing Details

Understanding the nomenclature.



The drawings we have made for the various parts and assemblies for our Fury are typical of what one would find in the engineering/manufacturing industry. Our production or shop drawings are prepared using typical CAD (Computer Assited Drawing) software. The styles or format of the drawings will be slightly different between one draftsman or engineer and another. Many times the employer has a format that all of the workers must use. In our case we can use any format that we want. The format that we use is intended to be easy as possible to understand.

The following is a general overview to help understand some of the information found one of the more simple drawings.

NOTE: All commerial rights for use of this part or assembly is owned by Scale Built R/C. Any use of this part or assembly for any commerial gain is not allowed without the written consent of Scale Built R/C. Scale Built R/C assumes no liability for any financial loss, injury or death when this part or assembly has been used for any purpose.

MOST RECENT REVISIONS		
NO.	DESCRIPTION	DATE
NONE AT THIS TIME.		5/20/10

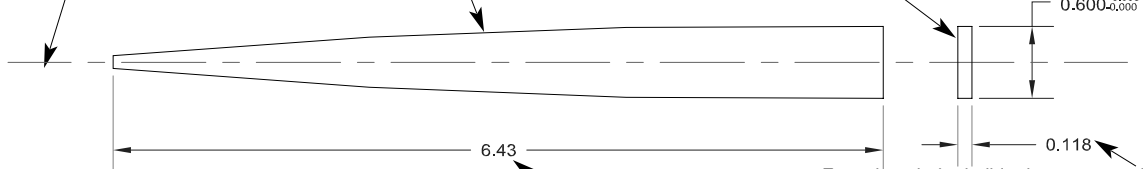
This is a center line. Its purpose is to show that the top and side view are in the same alignment. Centerline also shows that the part is the same on top or on the bottom of the centerline.

The view shown in the middle of the drawing is the primary view of the part. It can be either a front, side, bottom or other view as necessary. This view is a top view.

Any major changes or corrections have been made, they will be noted here.

This view is an edge or side view. It is a view rotated 90 degrees from the top view.

The height of this part is critical. It should not be less than .600". This tolerance then shows a minus tolerance and a .005" greater than amount. The extra height can be trimmed as necessary to fit the rear spar's height.



The length of this part is not critical. It will be glued into a notch in the leading edge brace. Tolerance is +/- .015. The excess can be trimmed to fit. A shorter length gap will be filled with glue.

Even though the builder has no control of thickness of the LitePly, it is worth noting that the width of the rib is critical so that it is a tight fit into the leading edge brace.

The material and type of finish is indicated here. The finish can be painted, plated, polished, sanded, primed, etc.

MATERIAL: $\frac{1}{8}$ " (.118) LitePly
FINISH: None

Scale of the drawing shown here. Full indicates this drawing is shown to the exact size of the part. This drawing could be used as a pattern to cut out the rib, however a cut out pattern drawing is provided for all cut out parts.

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES.
Tolerance for fractions is $\pm .010$.
Tolerance for decimals is:
2 plic $\pm .015$ 3 plic $\pm .005$
Angles $\pm .5$ degrees.

The accuracy of the outline of the part is important. Some parts are not as critical to size as others. The tolerance indices how much the part can be off and still be OK.

PROJECT NAME: FURY		NAME OF PART: FIN: # 1 Rib	
PART NUMBER: IF28-1-14		SHEET 1 OF 1	DWG. SIZE: A
SCALE: FULL	DATE DRAWN: 05/20/10	n.a.	QTY.REQD: 1
DRAWN BY: G. NELSON			DRAWING NUMBER: IF28-04
SCALE BUILT R/C PO BOX 1327 Keller, TX 76244 USA 817-431-1038			

There are two types of nomenclature to identify this part. One is the actual part number, IF28-1-14. The other is an easier method what we call as a drawing number. This number is automatically created in the drawing process of any given assembly item. The first part to be placed in the assembly drawing is item 1. To eliminate some confusion, we will place a 0 in front of numbers less than 10.

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This example of a drawing is more complex. All three views are provided. It includes radius and diameter dimensions.

