

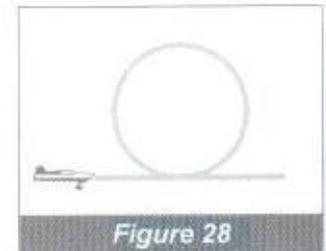
The LOOP

To start on how to judge the figure, let's first look at the Official Judging Rules from the **FAI/CIVA Sporting Code Section 6 Part 1 – Powered Aircraft**

B.9.10. Family 7.4.1 - 7.4.2 - Full Loops

B.9.10.1. All full loops must appear perfectly round to the Judge.

This means that they must be wind corrected to have a constant radius. This wind correction is only with regards to the roundness of the loop and not for the effect of any crosswind on the figure. Therefore, no deduction is given if the finish point is displaced relative to the start point in a direction perpendicular to the plane of the loop. Full loops must also begin and end at the same altitude or they will be downgraded. (Figure 28)

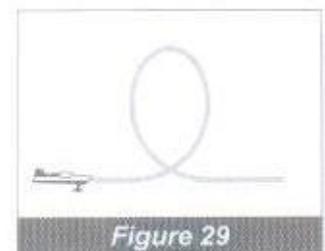


B.9.10.2. Loops must be flown with no visible crabbing and wings must be level at all times. The one (1) point for every five (5) degrees rule holds for both these cases.

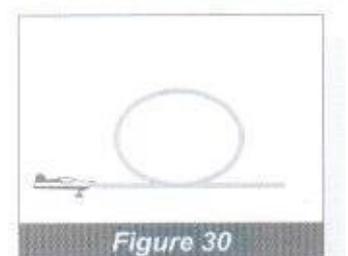
B.9.10.3. If there is a roll or rolls at the apex of the loop, it must be centred in the loop and flown on the arc of the loop itself. Flying the roll on a line at the apex of the loop is at least a two (2) point downgrade. If the roll is not centred, it must be downgraded one (1) point for every five (5) degrees of the arc that it is off centred.

B.9.10.4. To better quantify deductions for irregularity of the radius of looping figures, the Judge divides the loop into quadrants. Any recognizable variation in the radius must be downgraded by a maximum of two (2) points per quadrant depending on the magnitude of the variation.

B.9.10.5. In judging loops, a common error is for the vertical diameter of the loop to be larger than the horizontal diameter. This is often called an "L" shaped loop. (Figure 29)

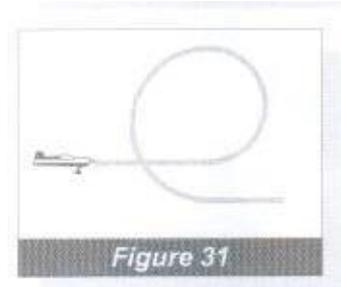


Less common are loops with a horizontal diameter greater than the vertical. This is called an egg-shaped or pumpkin-shaped loop. (Figure 30)



The LOOP

Another common error is in varying the radius of the final quadrant performing an "e" shaped loop. (Figure 31)



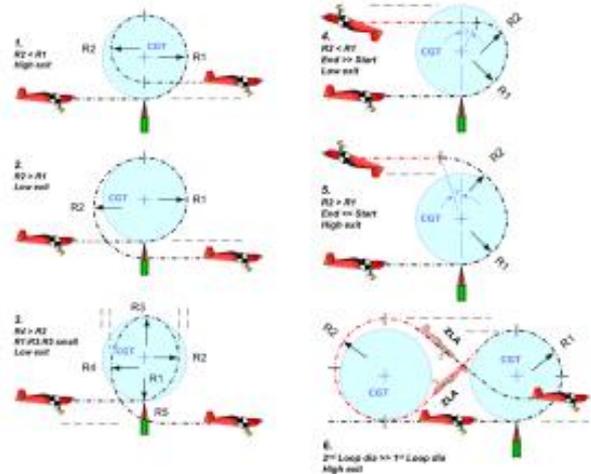
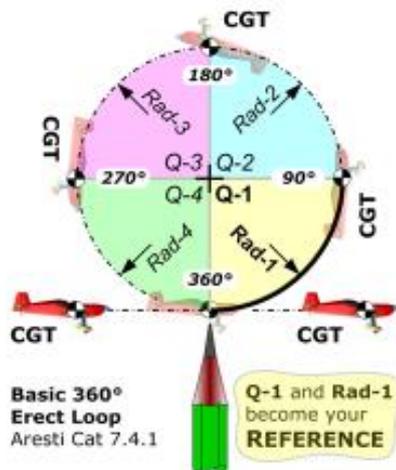
From CIVA Judging Seminar -



Judging loop shapes

- The exit point should be at exactly the same level as the entry point.
- The four quadrant radii and centre points are all exactly the same.
- The centre-top point is exactly above the start point.

Wherever you see these 3 'truths' you can be sure that the loop is round.



Happy judging, be critical and fair.