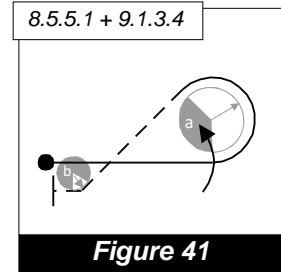


The Half Cuban-Eight

CIVA Judging rules for the Half Cuban-Eight are as follows:

B.9.20. Family 8.5.1 - 8.5.8, 8.6.1 - 8.6.8, 8.7 - Half Cubans, P Loops, Q Loops

B.9.20.1. In these figures, none of the part-loops are required to have the same radii (in Figure 41, radius b may be different from radius a). The rolls on vertical and 45 degree lines must be centred. Horizontal rolls immediately preceding or following looping segments have the same criteria as in Family 7.2.



Whilst the judging rules do not seem much one must remember that the judging rules for loops (Article March 2020) and rolls and lines (April 2020) are key judging elements for a half Cuban.

Summary of the judging elements would be as follows (from the British Aerobatic Academy Website)

Judging Criteria

- A constant radius looping element
- The looping element clearly stops when the aircraft reaches 45° down (inverted) to mark the end of the loop radius – at 5/8 of the circle
- 45° inverted down line ([Zero Lift Attitude \(ZLA\) not Centre of Gravity Track \(CGT\)](#))
- Half roll (CGT) centred on the two 45° down lines – a moderate degree of yaw or pitching is acceptable as per CGT rules but 'barrelling' or sinking away from the projected 45° line is penalised
- 45° down (ZLA) – has to be the same length as the inverted 45° line so that the roll is centred exactly
- 3/8 loop back to horizontal, radius as the 3/8 loop and 5/8 loop do not have to be the same – also the exit does not have to be the same height as entry but has to be in straight and level flight (CGT)

For a reverse half Cuban-Eight all elements occur in the reverse order but with the same criteria.

Happy judging, be critical and fair.