



## Figure of the Month

# The Aileron Roll & Hesitation Roll

**The Aileron Roll**, as it is referred to in the Aresti System and **Hesitation Roll/s** are not an actual figure but a manoeuvre that requires another manoeuvre such as straight line to make them a figure and judgeable.

From Better Aerobatics - "The Straight and Level Roll is a complex co-ordinated exercise requiring continuously variable aileron, elevator and rudder control inputs. This figure is often called the '**slow roll**', but as I explained in an earlier chapter, the description was originally coined to distinguish the slower aileron roll from the faster rudder, or flick, roll."

All books on aerobatics will have a section on how to fly the aileron/slow roll, so I will leave it to you pilots to read up on it more thoroughly. I also suggest reading the judging criteria sent out with this attachment so you know what the judges are looking for and what you will be downgraded on.

For those not into reading, the following video link is from the IAC website:

<https://www.youtube.com/watch?v=eLJaqWYYeRw>

**The Hesitation Roll** is a natural progression of the aileron roll and simply put has hesitations/pauses at key points during the roll. The number of hesitations in a 360° denotes the type of hesitation roll, for example a roll with a hesitation at 180° and around to 360°/completion is a 2-point roll and one with hesitations at 90°, 180°, 270° and around to 360°/completion is a 4-point roll. I'm sure you can work out an 8-point roll.

From Better Aerobatics –

“*How long is a hesitation?*’ The answer really depends not only on the type of aircraft you are flying, but also, and more importantly the reason you have for doing this figure....

**Long enough for it to be appreciated.....**

If it is for your own appreciation as pilot, hold it long enough to determine whether the attitude is just right or, if not, what might be wrong with it. If it is for the appreciation of others, be they passengers with you, an audience or a line of judges below you, hold it long enough for **them** to make the determination. And remember, some, if not all, of them are slower-thinking than you. You are the pilot; they are the audience. If you do it well, don't rush it. **Take your time and enjoy the moment.**”

Again, the aerobatic books will have a section on how to perform Hesitation Rolls and for those who prefer the video below is the IAC link

[https://www.youtube.com/watch?v=HK\\_6w3-Vw8k&feature=youtu.be](https://www.youtube.com/watch?v=HK_6w3-Vw8k&feature=youtu.be)

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