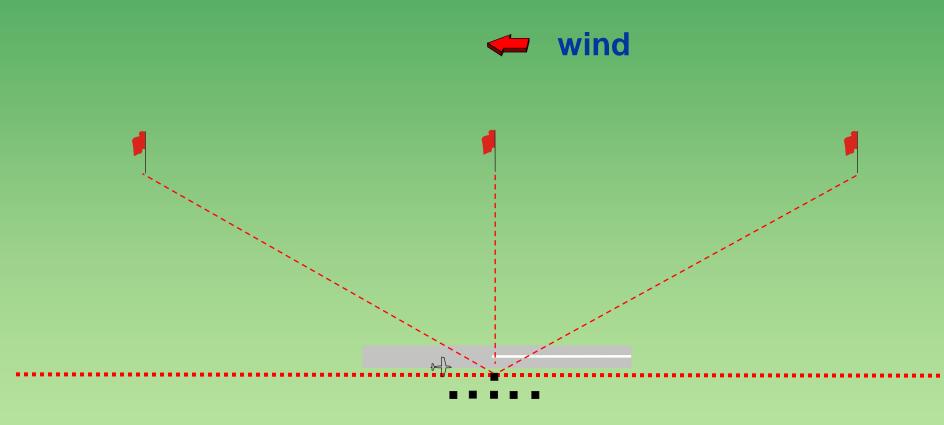
# Flying and Judging F3A



# SCHEMATIC MANOEUVRE ILLUSTRATIONS SCHEDULE P-15.

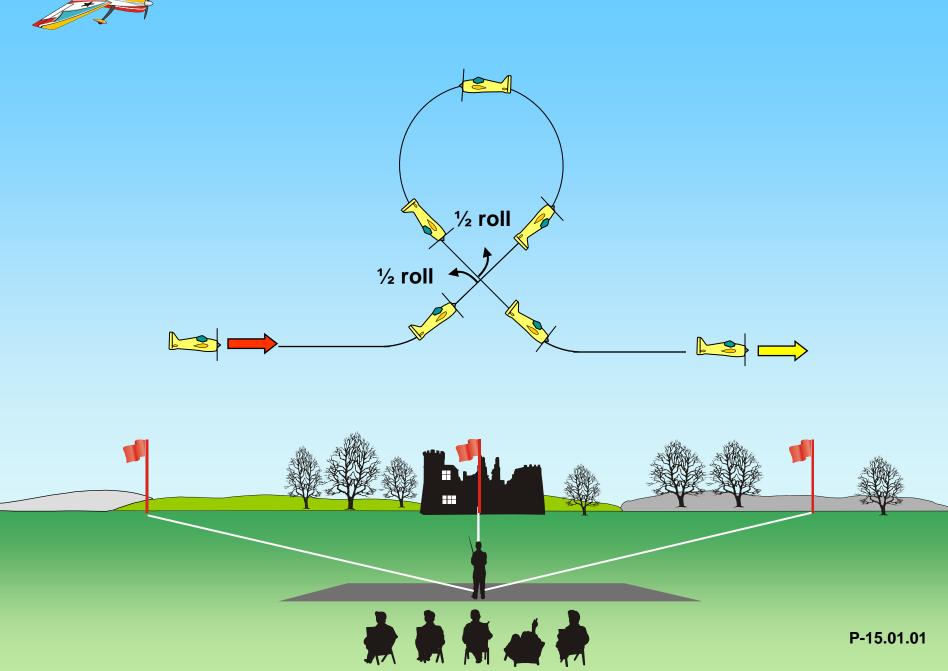


## Take-off procedure ( not judged, not scored )

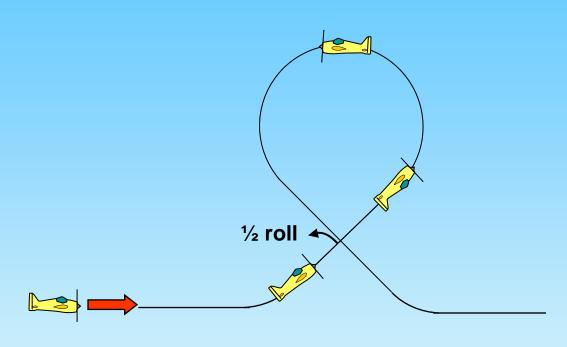


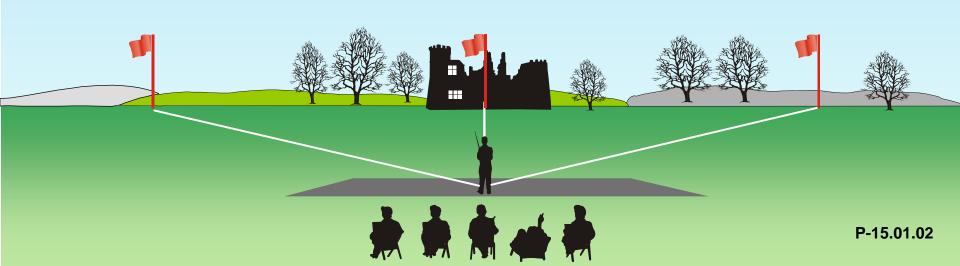
**Security line** 



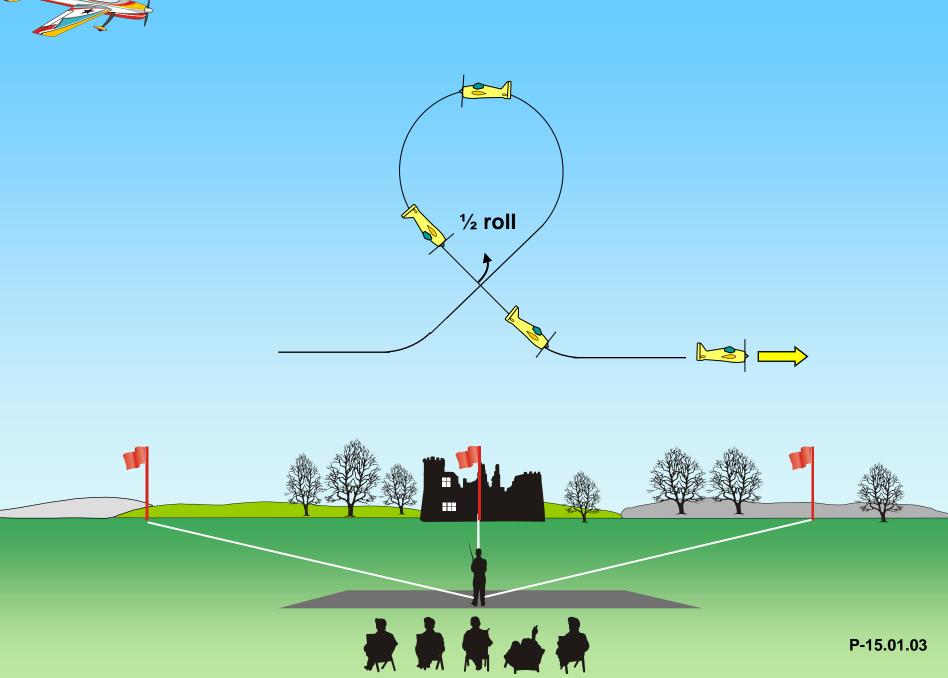




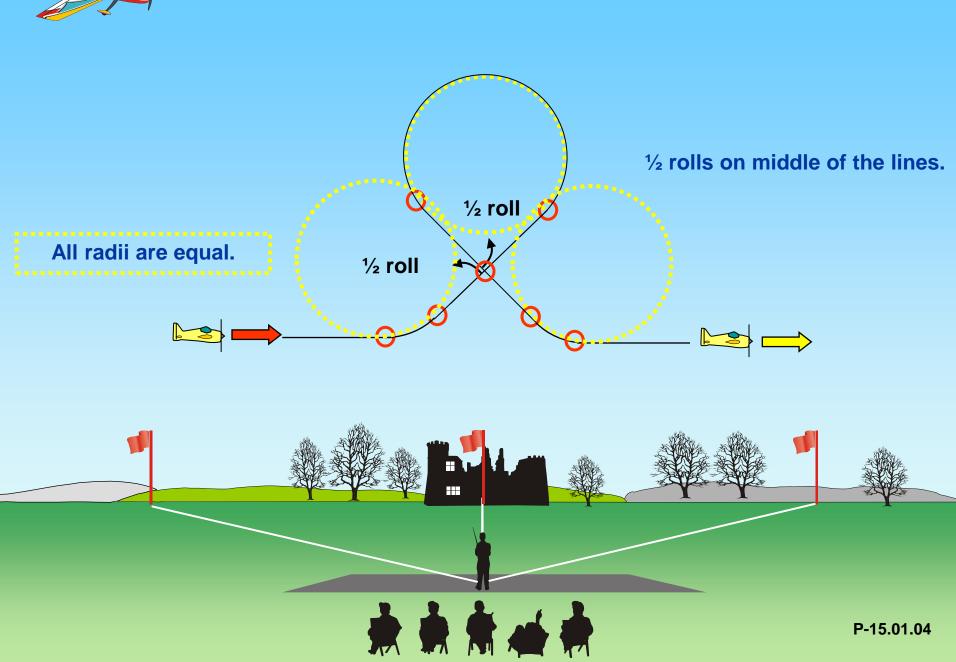






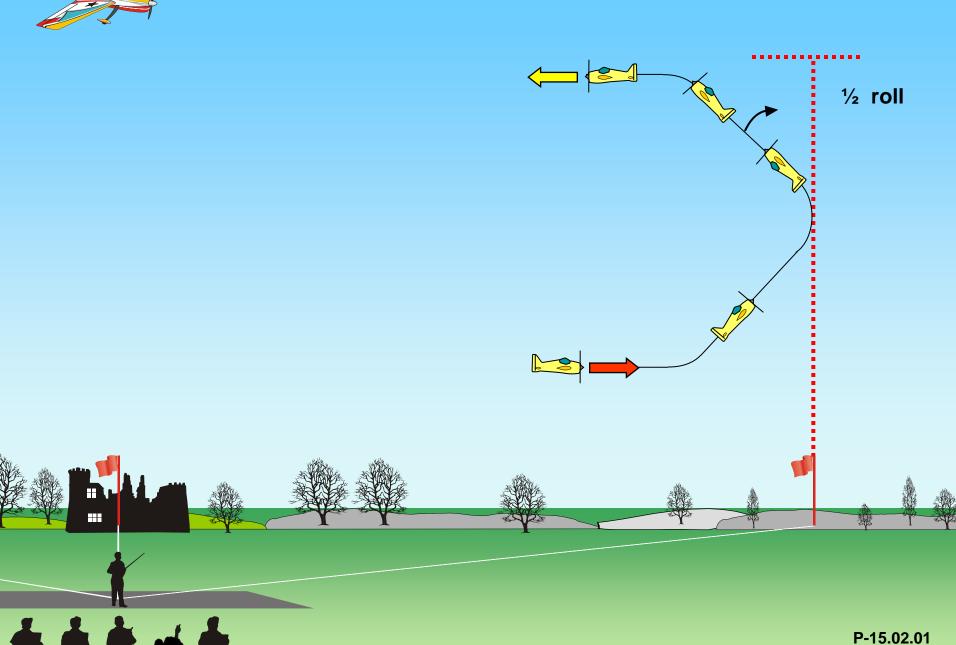






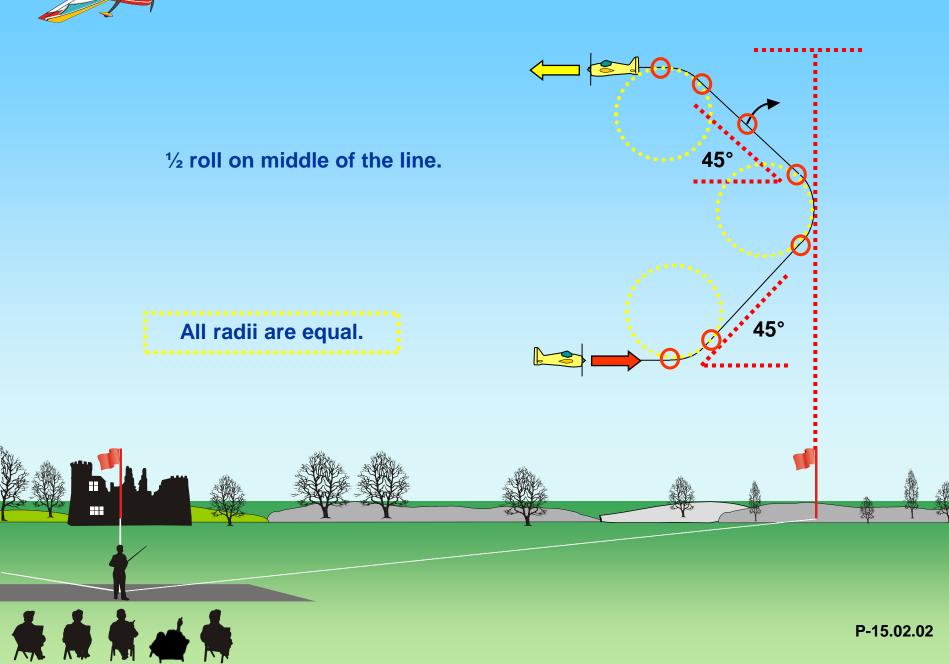


### P-15.02: Half Square Loop on Corner with ½ roll



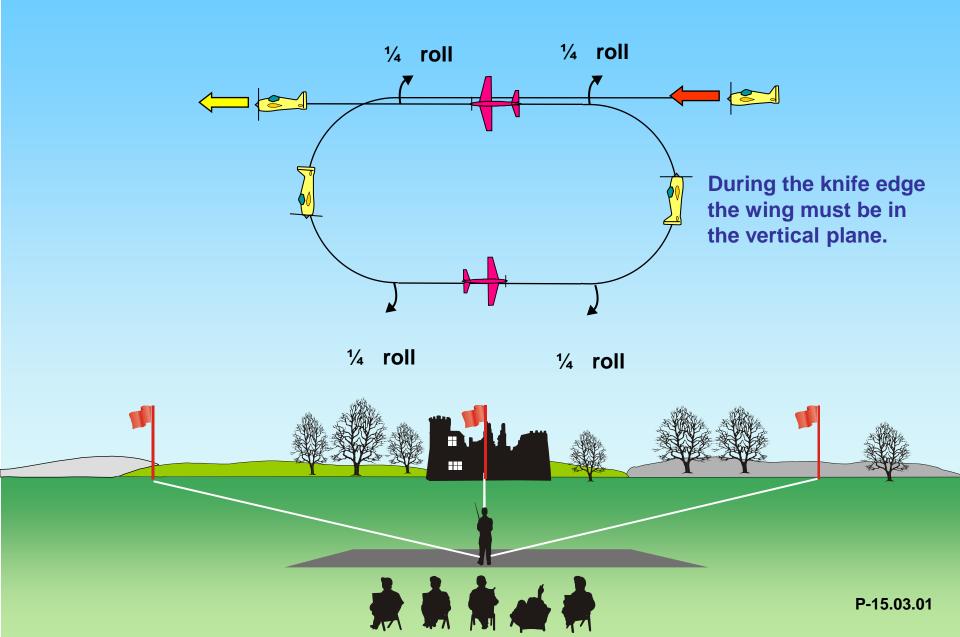


### P-15.02: Half Square Loop on Corner with ½ roll





#### P-15.03: Double Immelmann with two knife edge flights

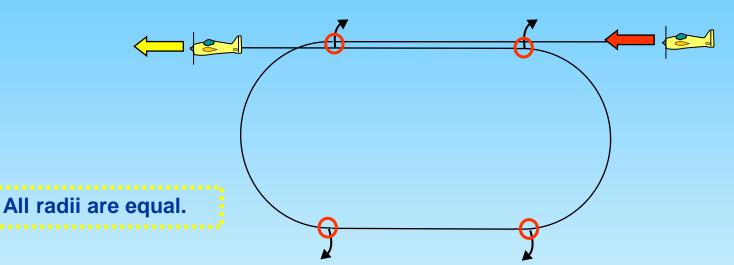


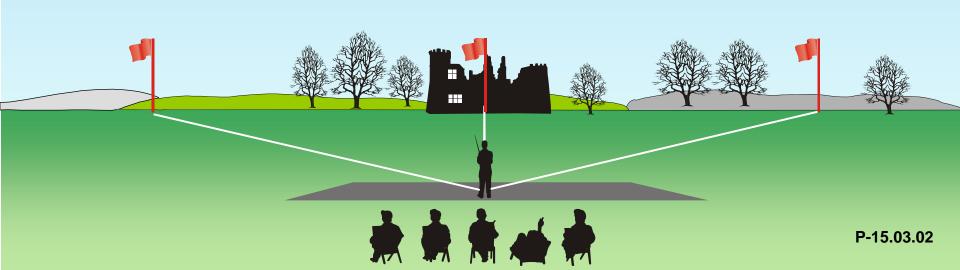


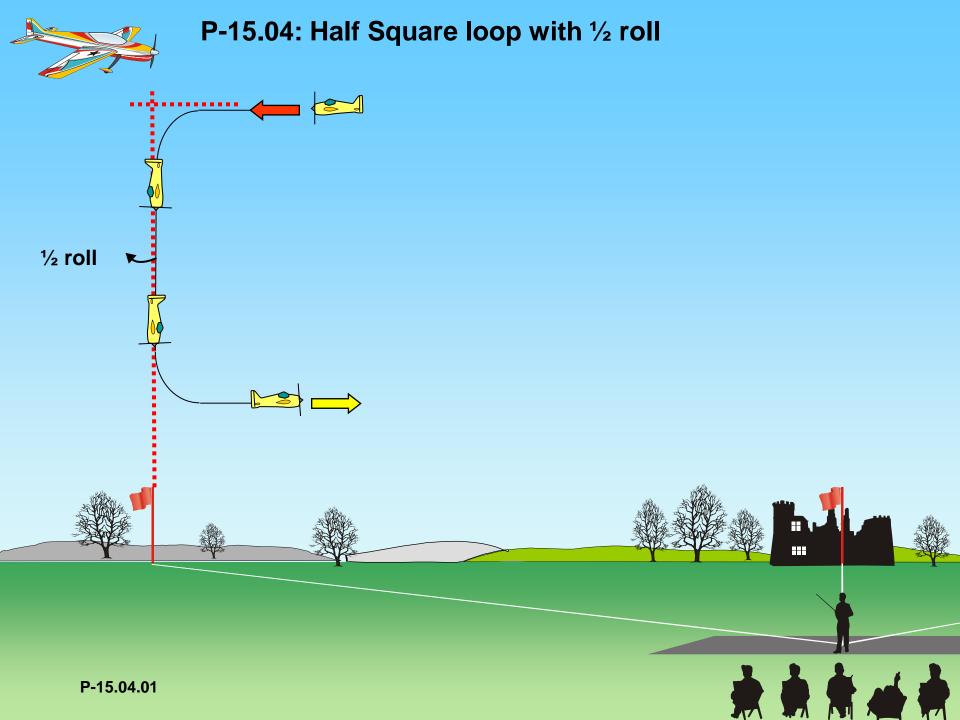
## P-15.03: Double Immelmann with two knife edge flights

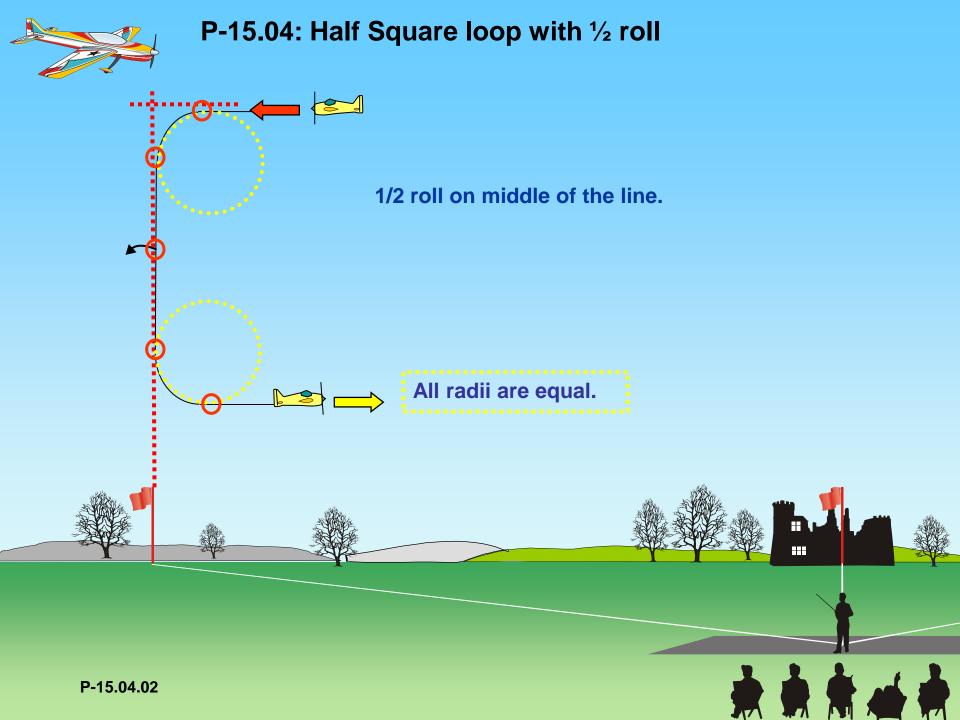
The half loops must follow immediately after the ¼ rolls.

There must be no line between the half loops and the ¼ rolls.



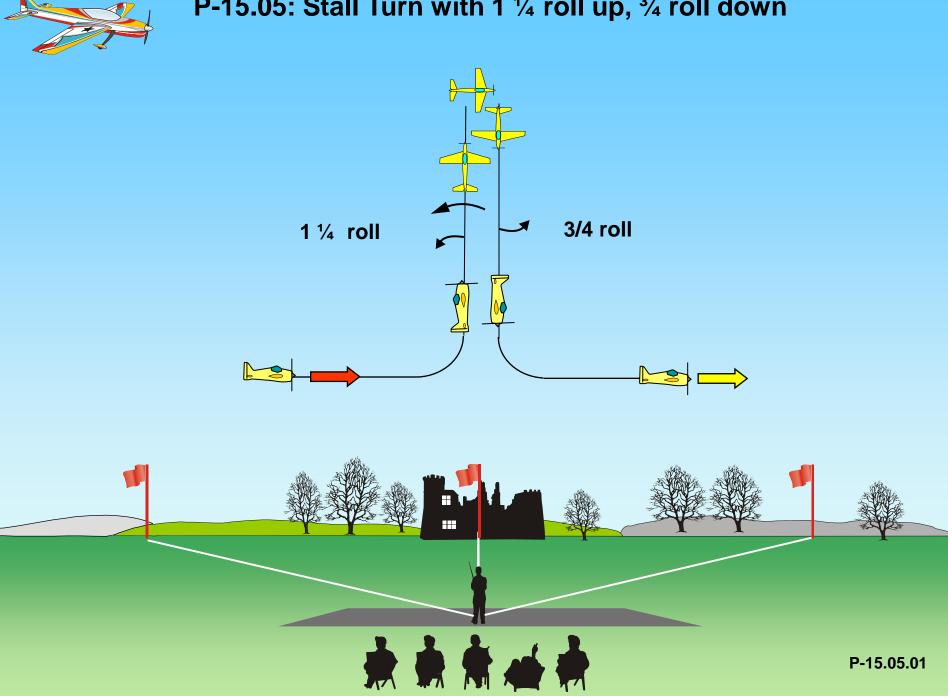


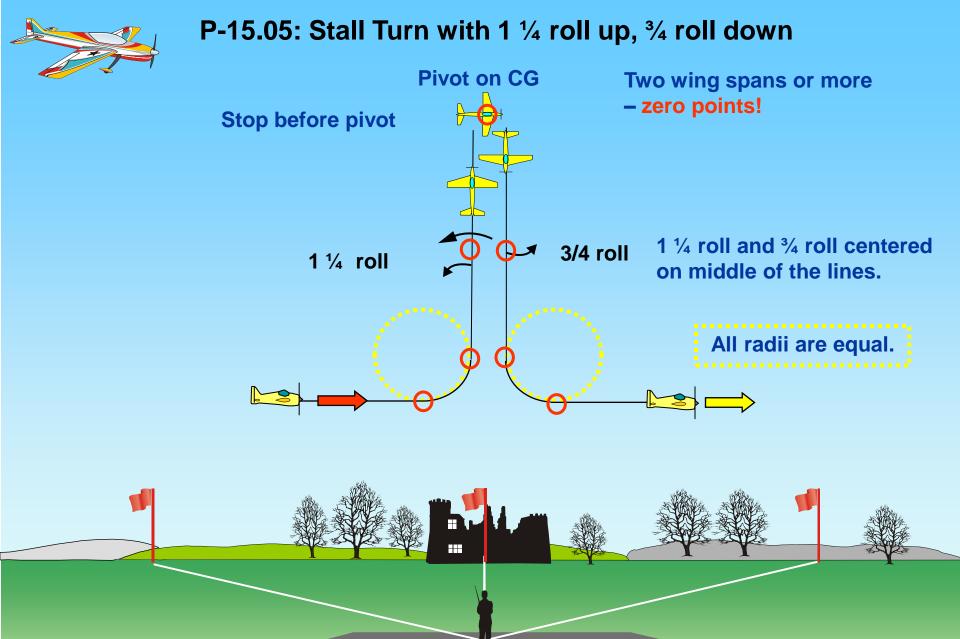






## P-15.05: Stall Turn with 1 1/4 roll up, 3/4 roll down



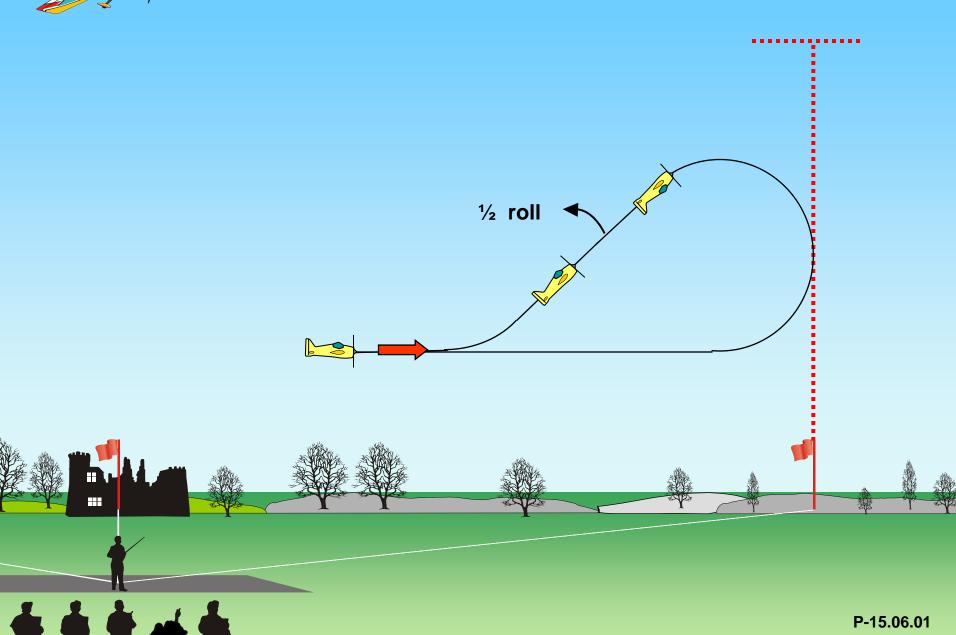


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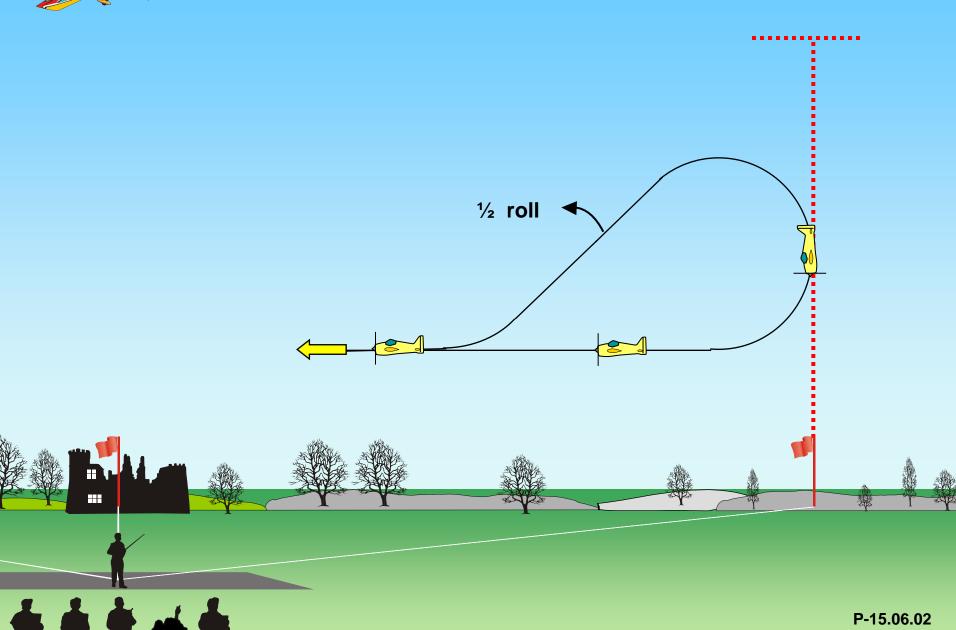


#### P-15.06: Half Reverse Cuban 8 with ½ roll



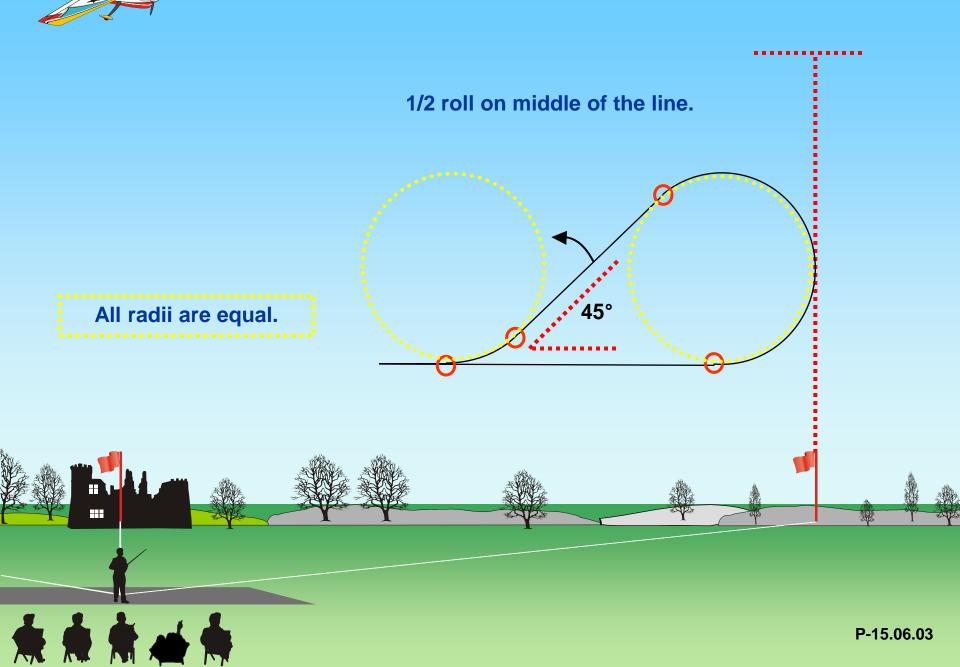


#### P-15.06: Half Reverse Cuban 8 with ½ roll



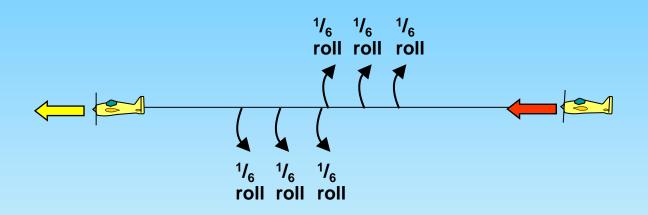


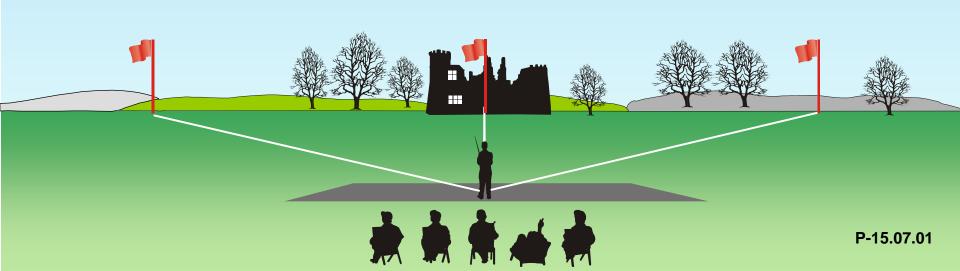
#### P-15.06: Half Reverse Cuban 8 with ½ roll





## P-15.07: Roll Combination with consecutive three 1/6 rolls, three 1/6 rolls in opposite direction

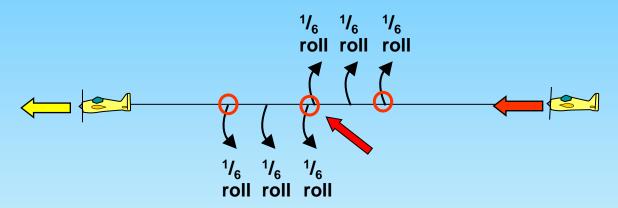






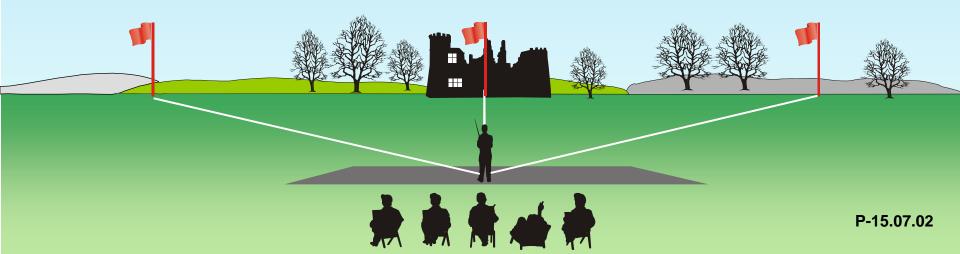
## P-15.07: Roll Combination with consecutive three 1/6 rolls, three 1/6 rolls in opposite direction

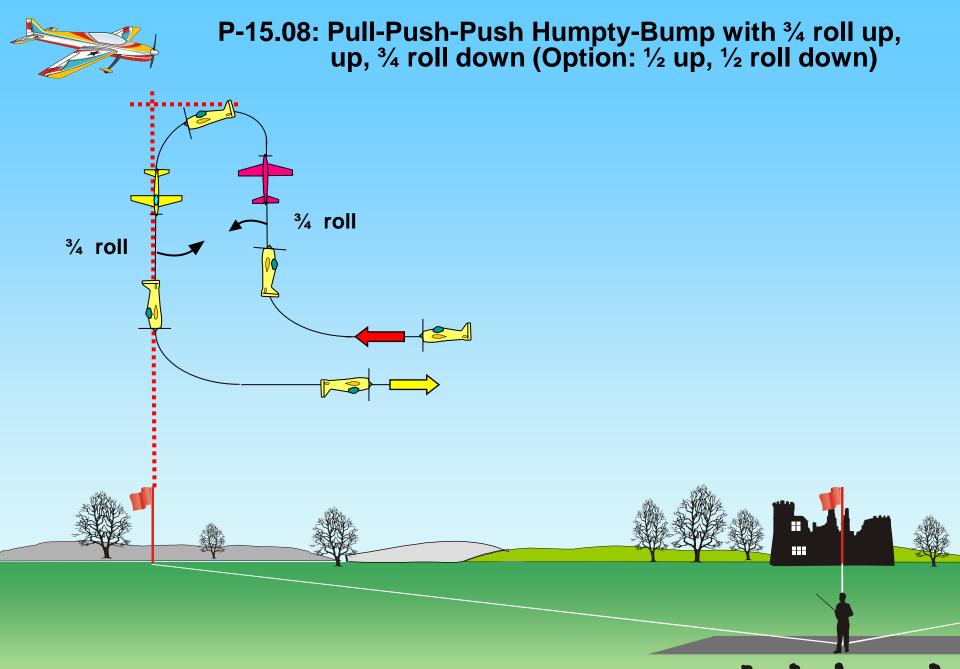
The <sup>1</sup>/<sub>6</sub> rolls must have the same roll rate.



Lines between part rolls must be short and of equal length.

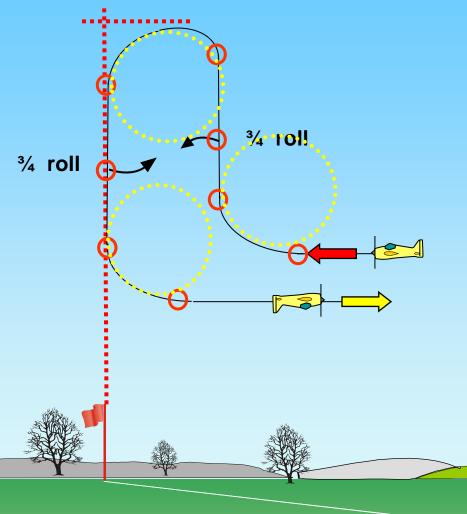
Between part rolls in opposite direction there must be no line.







## P-15.08: Pull-Push-Push Humpty-Bump with ¾ roll up, up, ¾ roll down (Option: ½ up, ½ roll down)

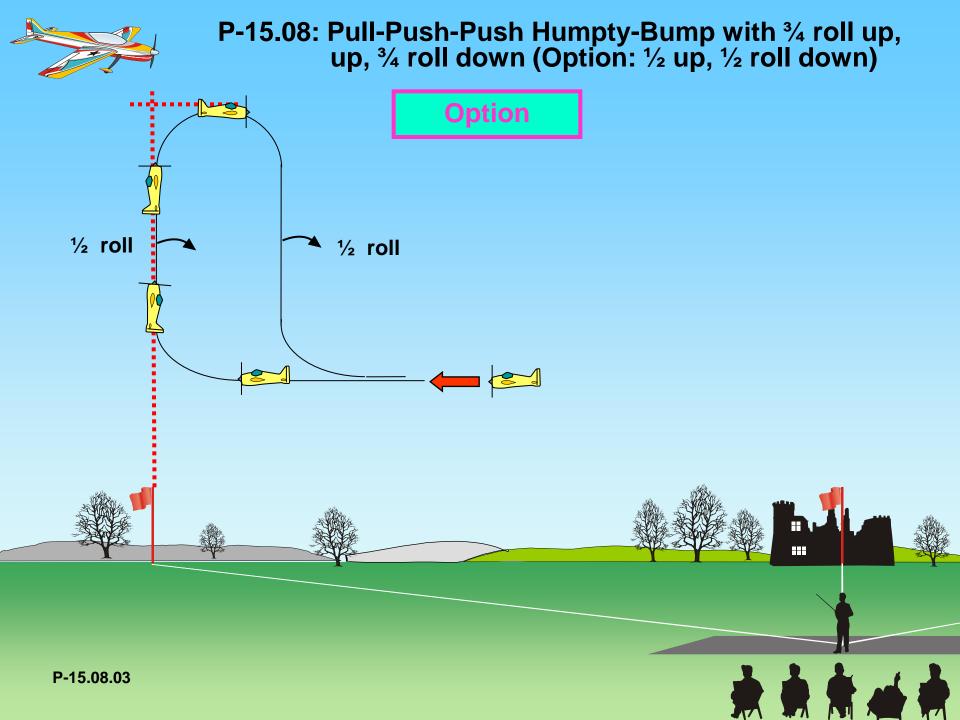


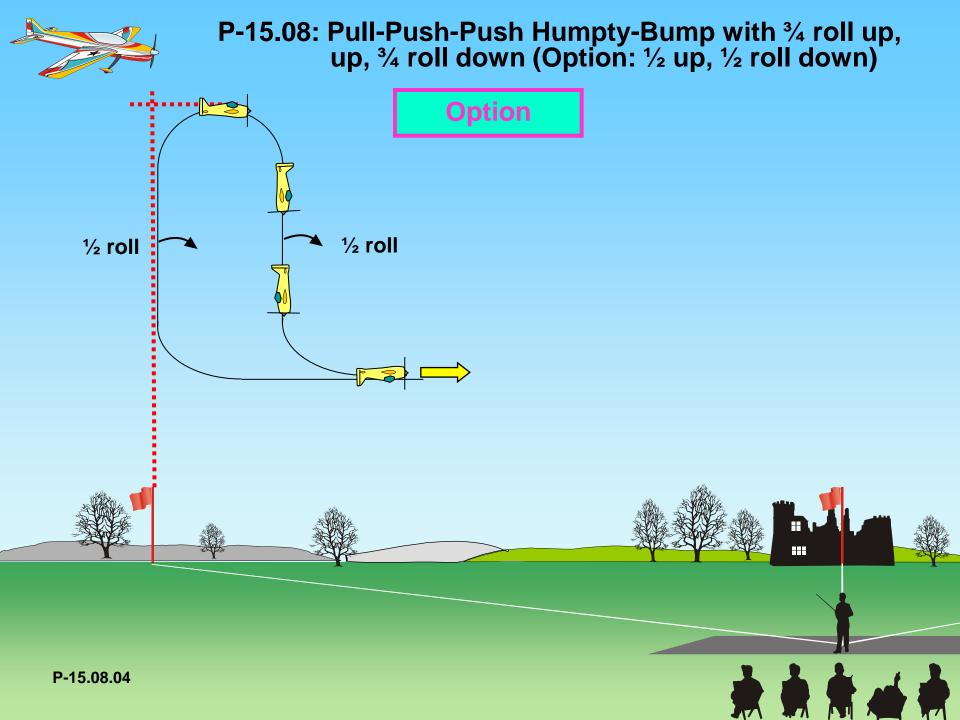
3/4 rolls in middle of the lines.

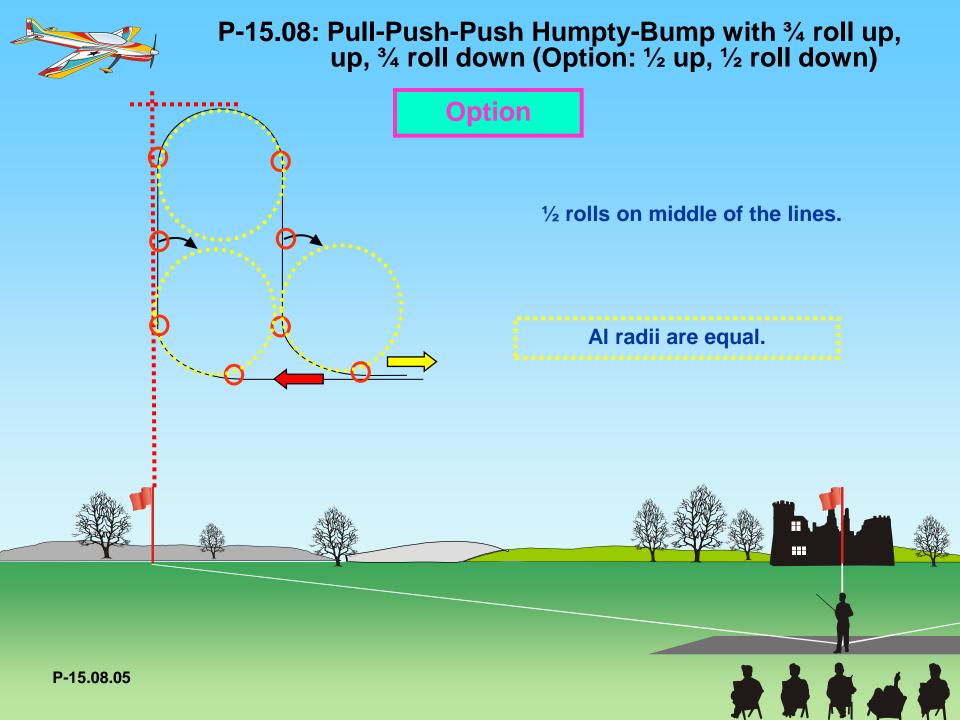
Al radii are equal.





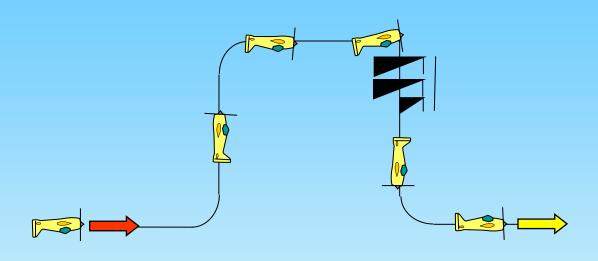


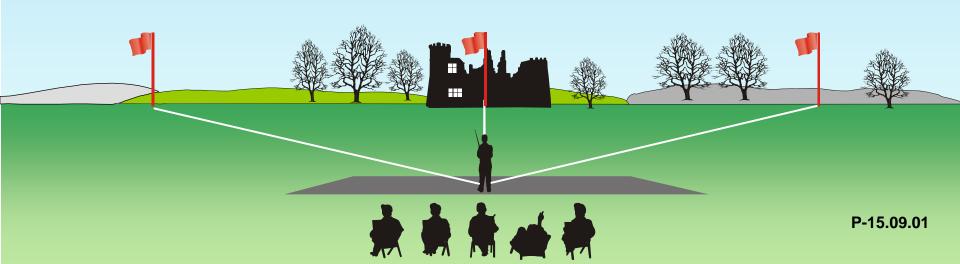


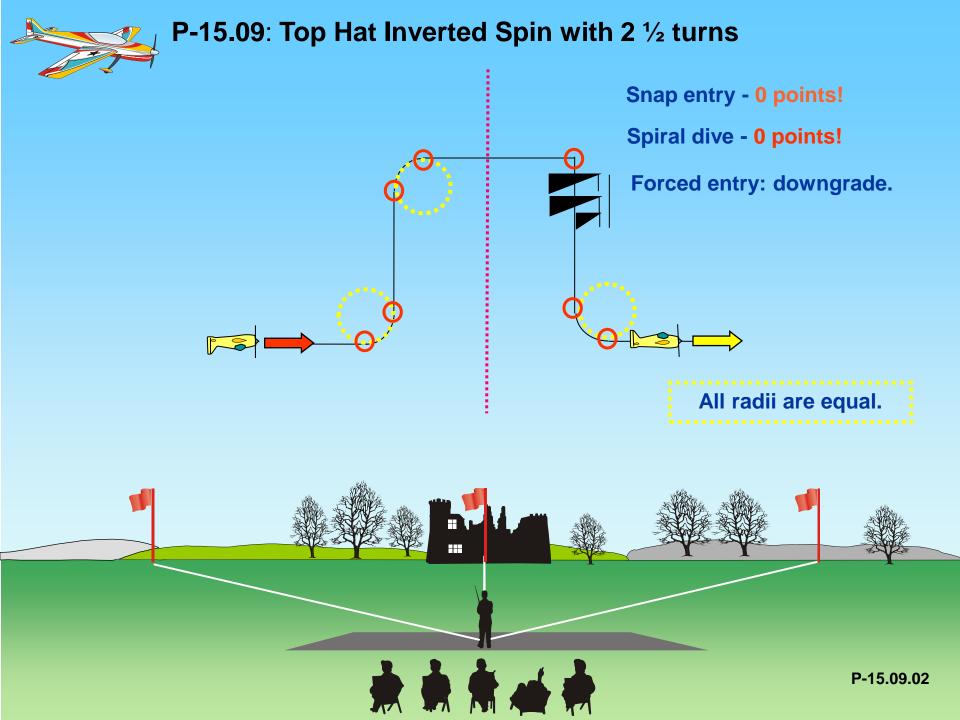




## P-15.09: Top Hat Inverted Spin with 2 ½ turns

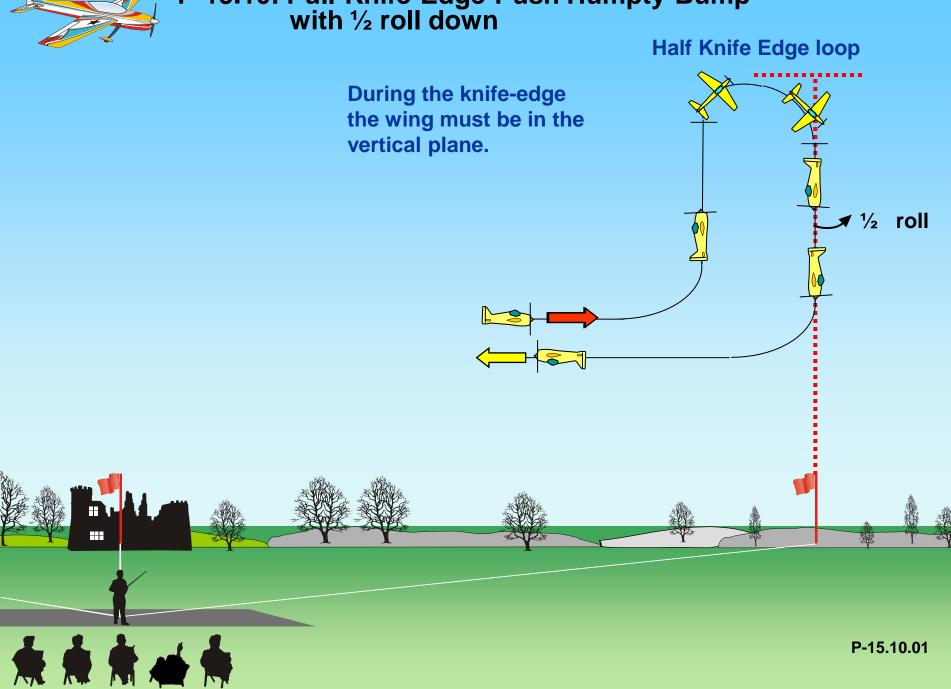






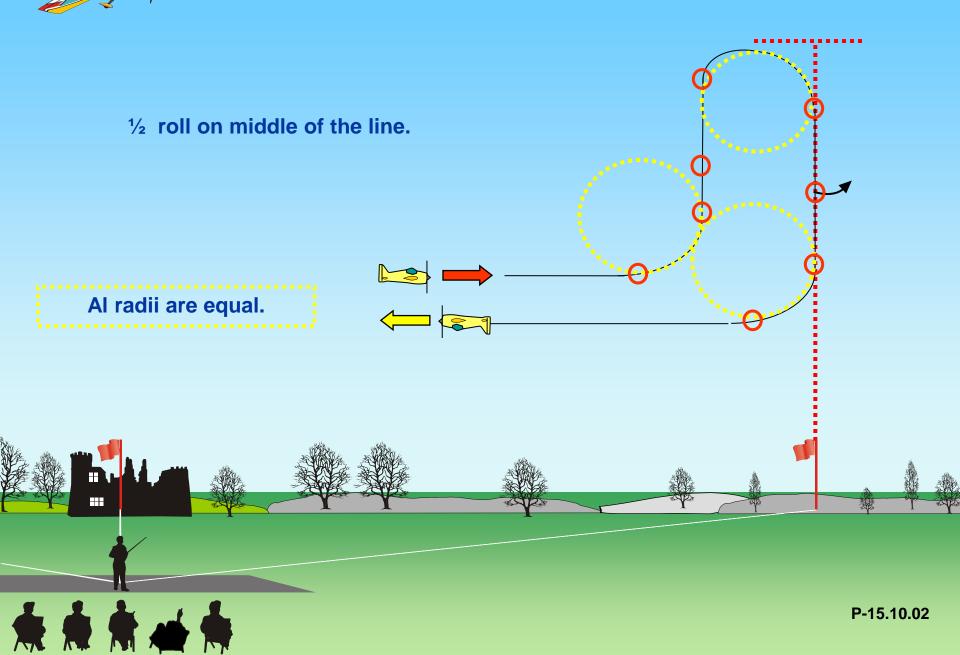


## P-15.10: Pull-Knife-Edge-Push Humpty-Bump with ½ roll down



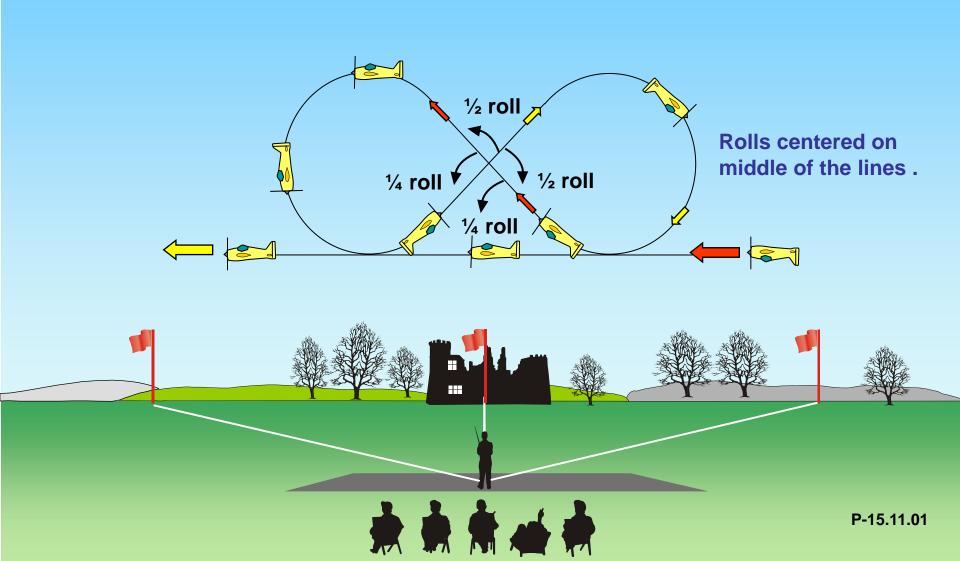


## P-15.10: Pull-Knife-Edge-Push Humpty-Bump with ½ roll down





## P-15.11: Reverse Cuban 8 with consecutive two ¼ rolls, consecutive two ½ rolls in opposite directions



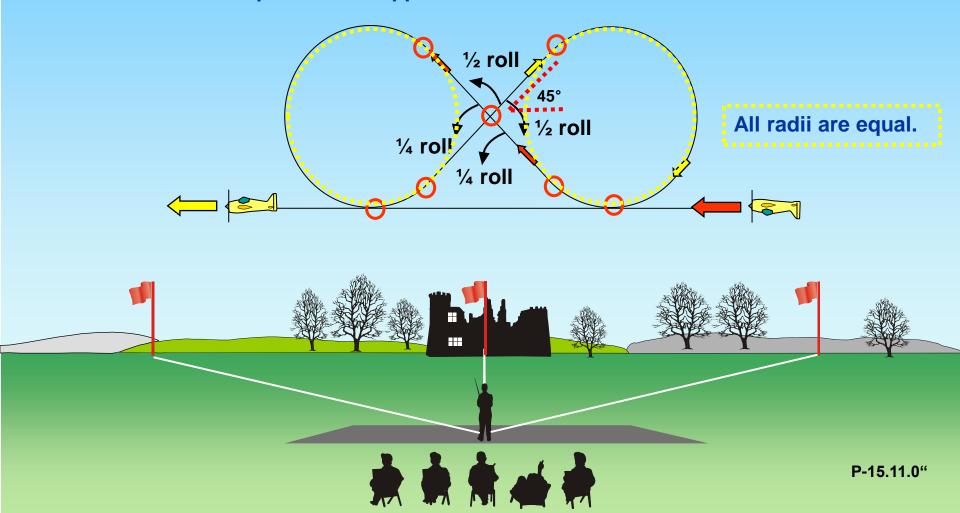


## P-15.11: Reverse Cuban 8 with consecutive two ¼ rolls, consecutive two ½ rolls in opposite directions

All part rolls must have the same roll rate.

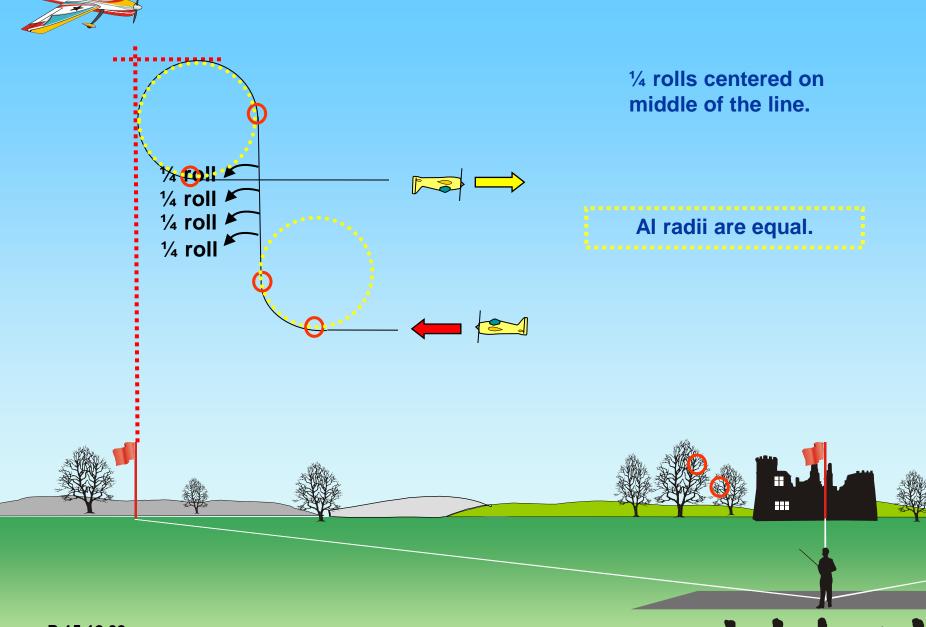
Lines between part rolls must be short and of equal length.

Between part rolls in opposite direction there must be no line.



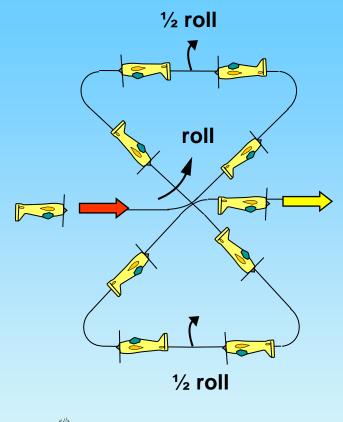
# P-15.12 Figure 9 with consecutive four 1/4 rolls up ¼ roll 🖊 ¼ roll ⊭ ¼ roll ⁴ 1/4 roll

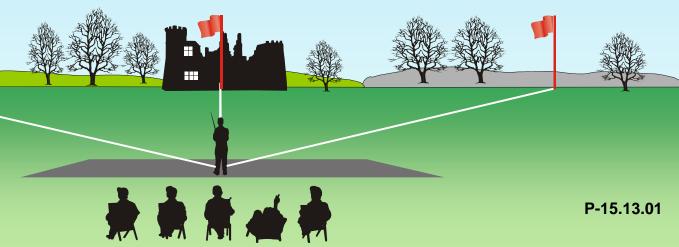
## P-15.12 Figure 9 with consecutive four 1/4 rolls up





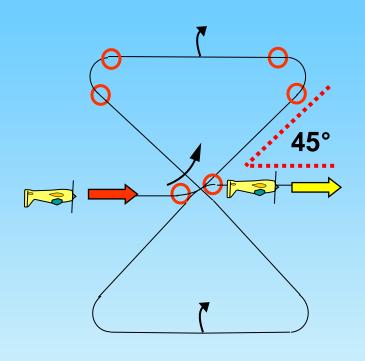
### P-15.13: Hour-Glass with ½ roll, roll, ½ roll

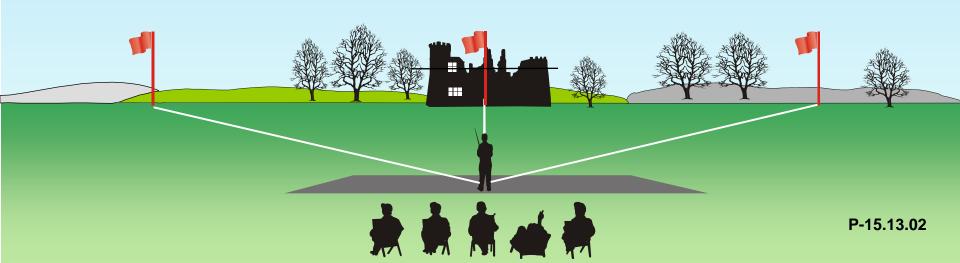






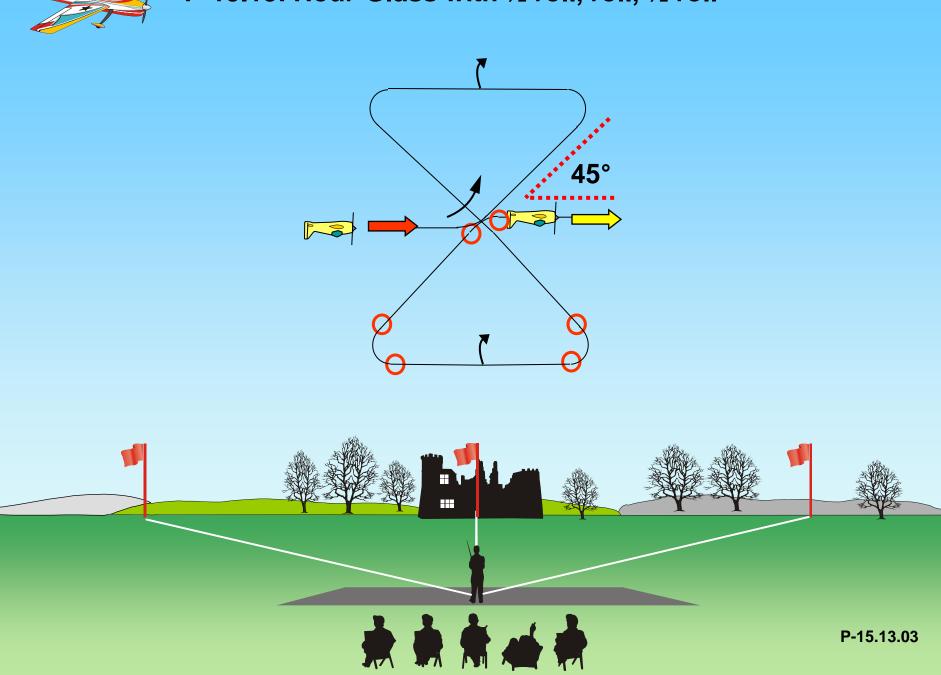
### P-15.13: Hour-Glass with ½ roll, roll, ½ roll





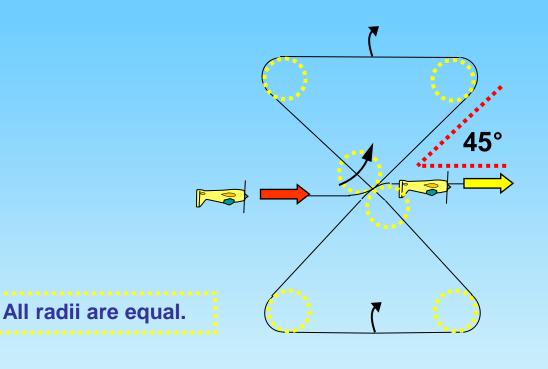


P-15.13: Hour-Glass with ½ roll, roll, ½ roll

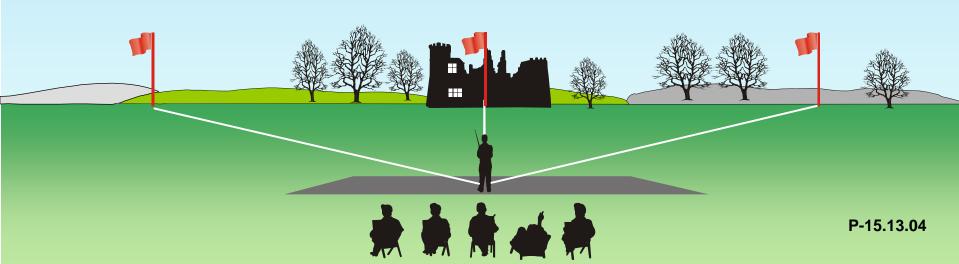




#### P-15.13: Hour-Glass with ½ roll, roll, ½ roll

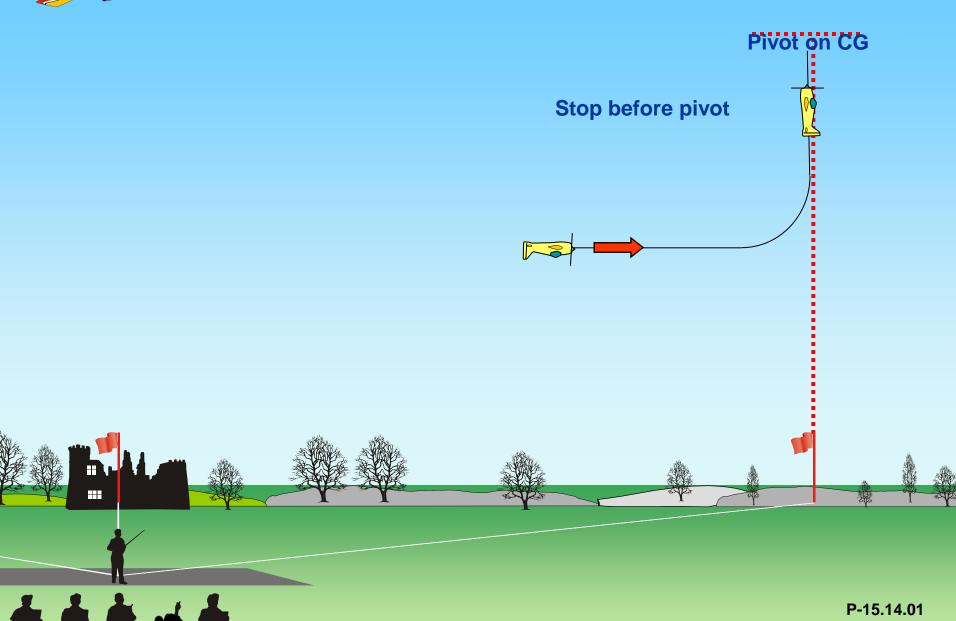


Rolls on middle of the lines.



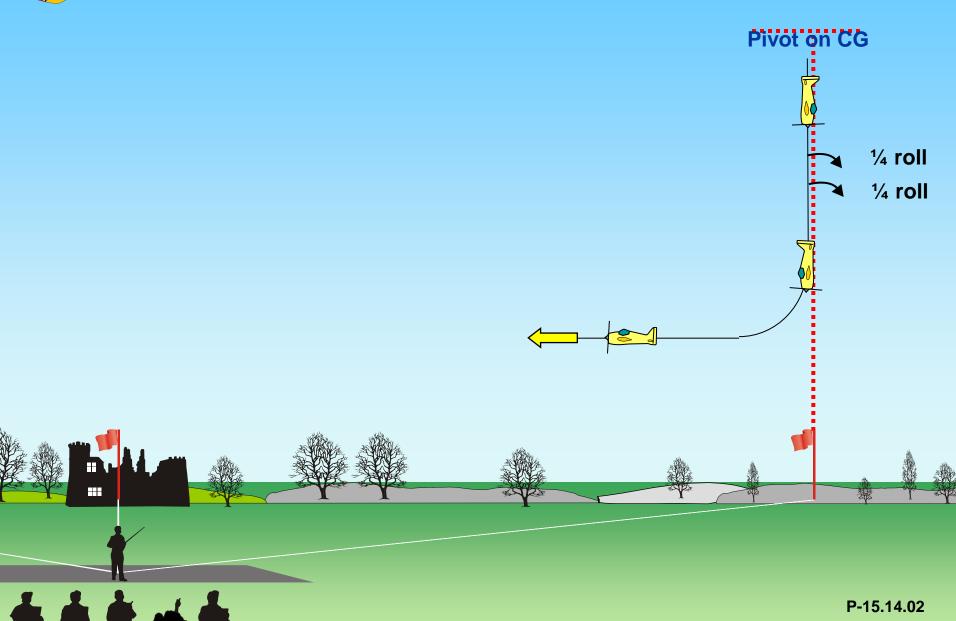


#### P-15.14: Stall Turn with consecutive two 1/4 rolls down



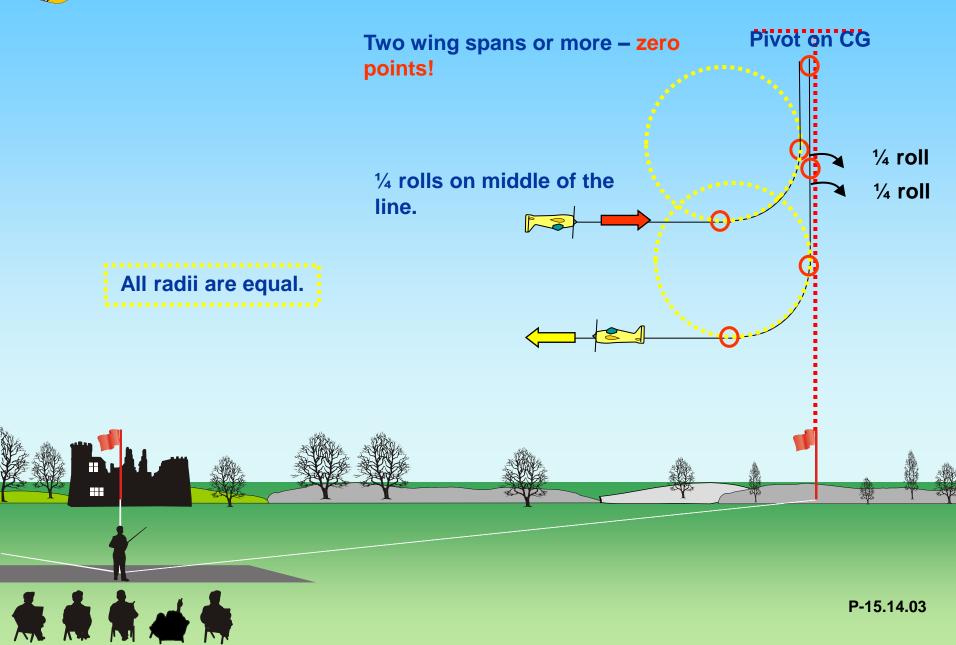


## P-15.14: Stall Turn with consecutive two 1/4 rolls down



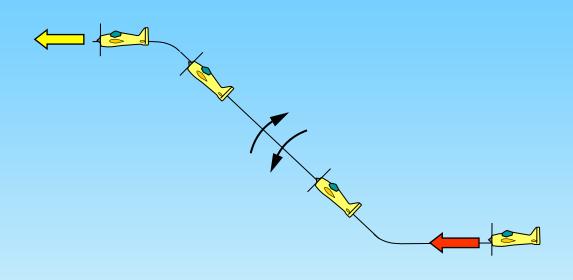


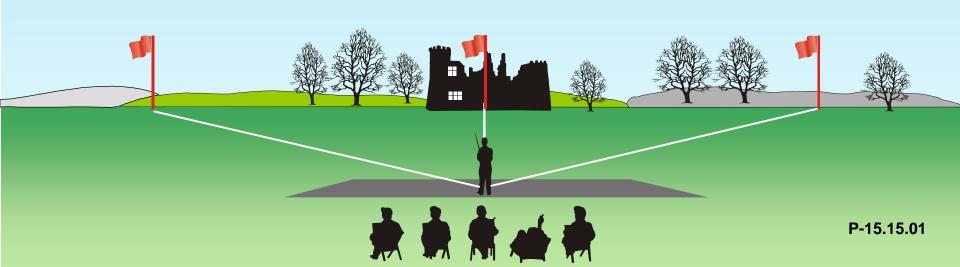
#### P-15.14: Stall Turn with consecutive two ¼ rolls down





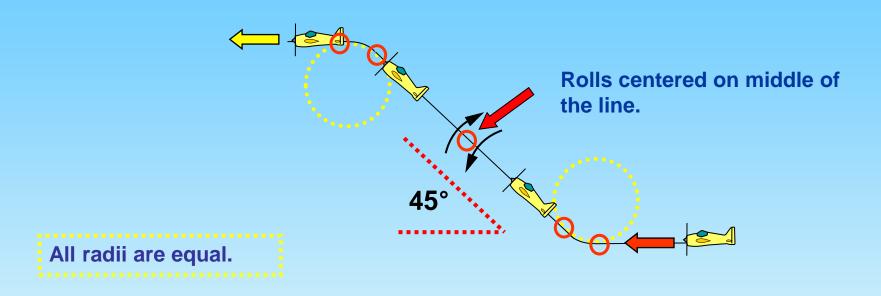
## P-15.15: Upline with consecutive two rolls in opposite directions



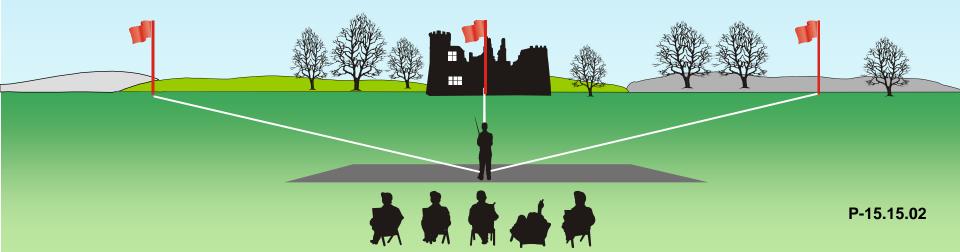


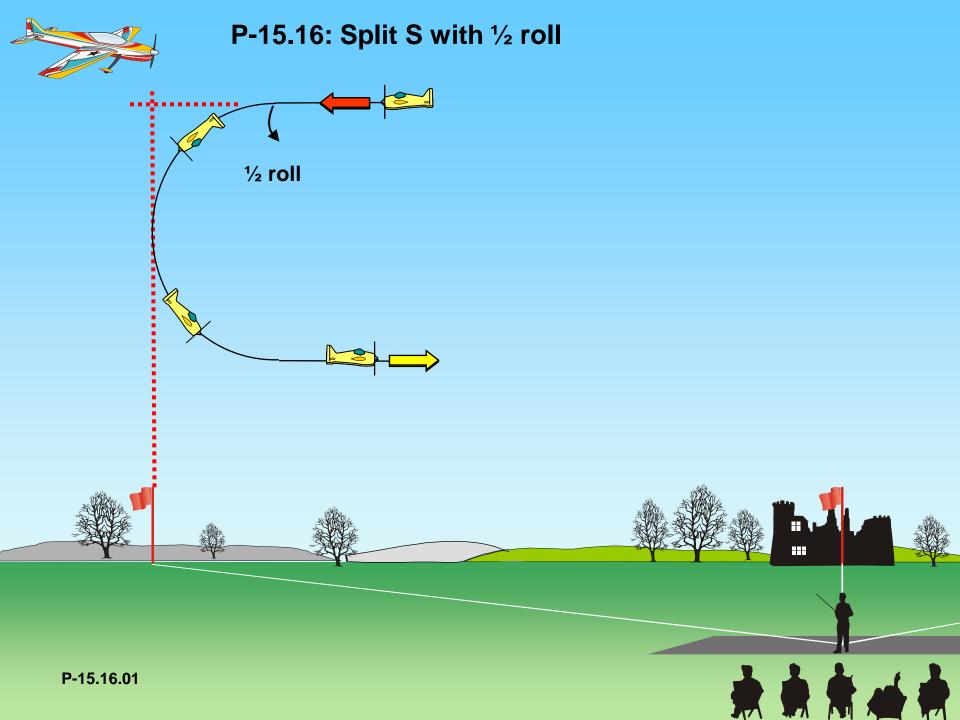


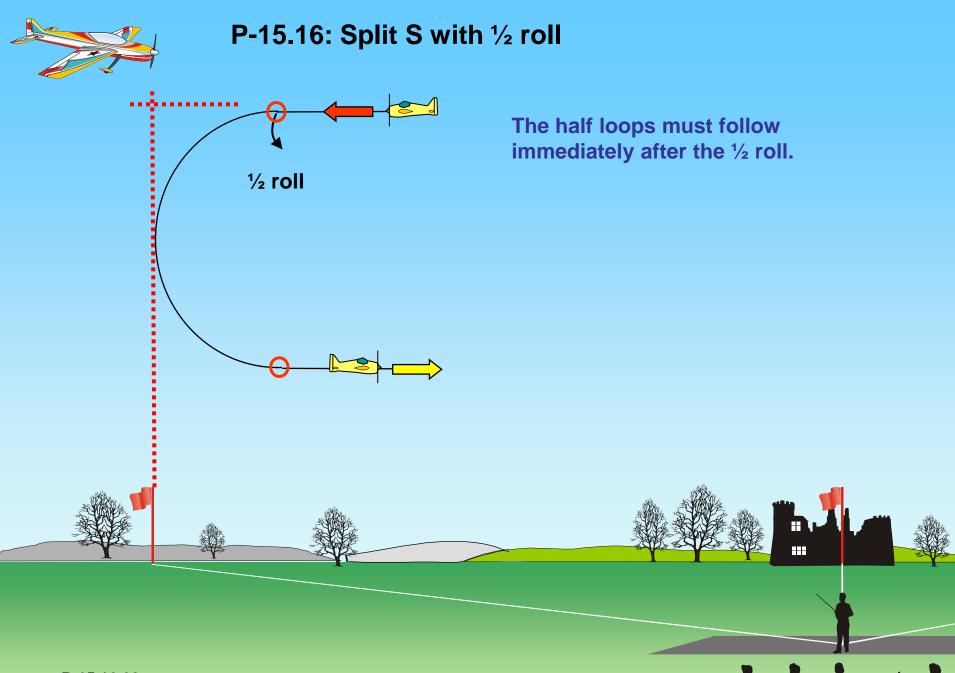
## P-15.15: Upline with consecutive two rolls in opposite directions



Between rolls in opposite direction there must be no line.

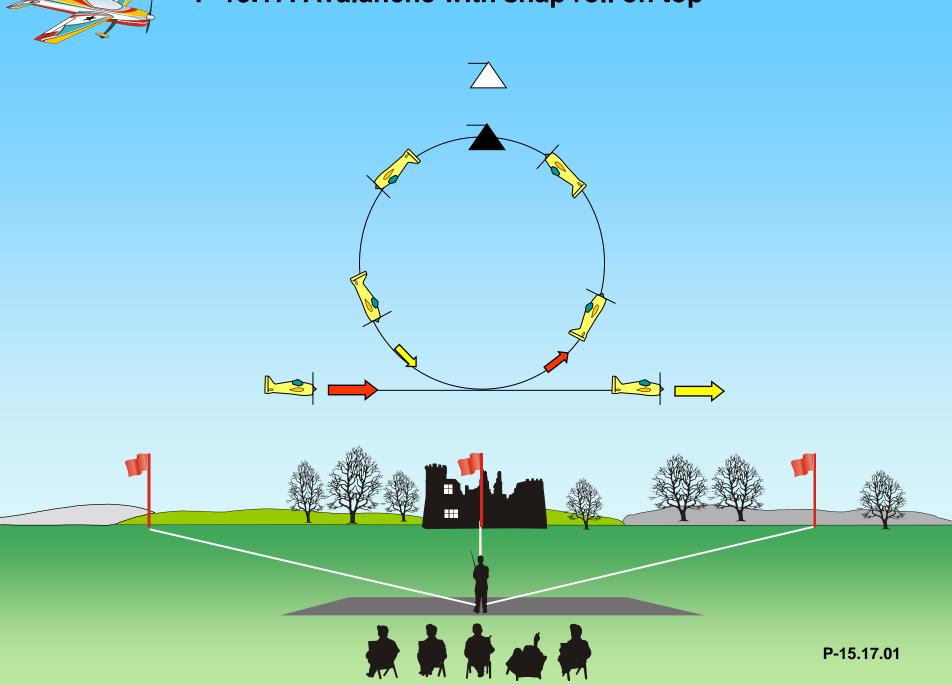






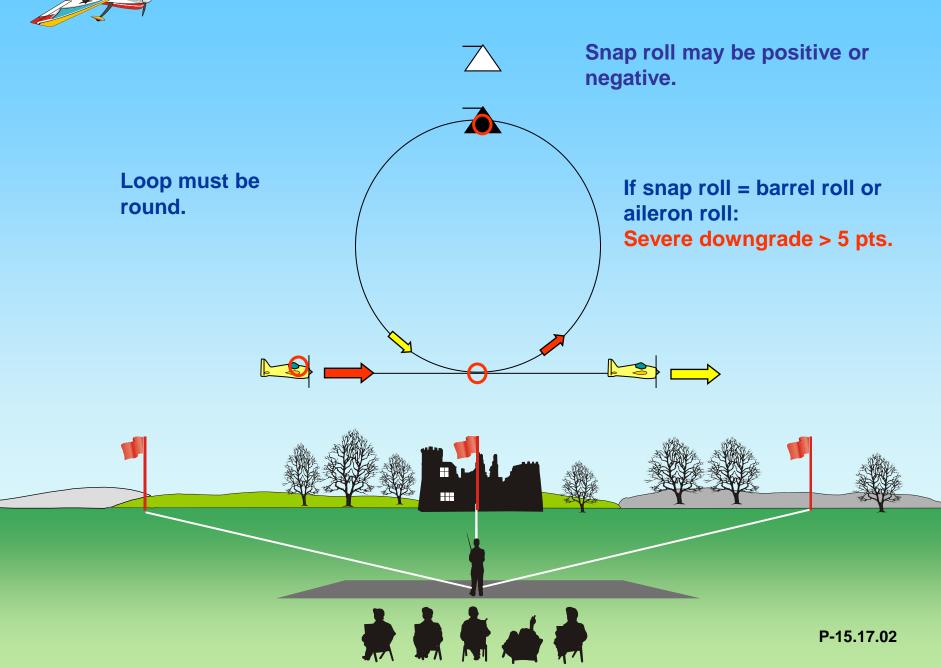


P-15.17: Avalanche with snap roll on top





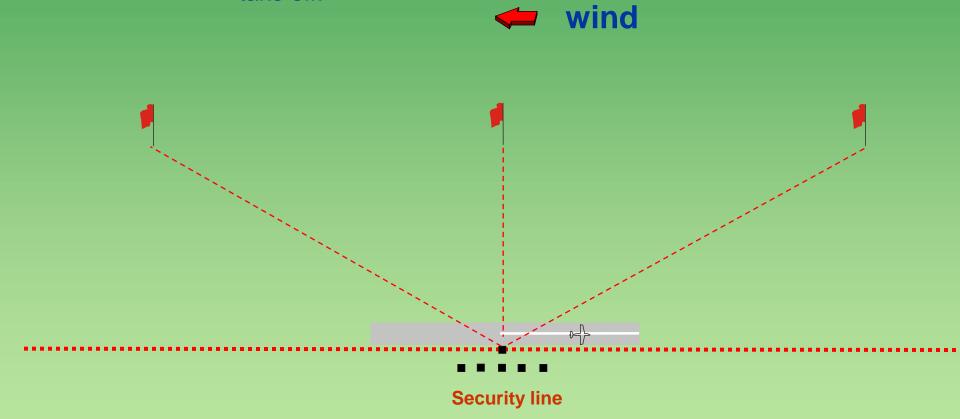
#### P-15.17: Avalanche with snap roll on top





## Landing procedure ( not judged, not scored )

The direction of the landing may be different to the take off.



## Forget WHO is flying

(friend, rival, countryman, flier from other nation)

## Forget WHAT is flying

(2-stroke, 4-stroke, electric, turbine, rubber-power)

## LOOK <u>ONLY</u> AT LINES DESCRIBED IN THE SKY!

(and the precision, smoothness, positioning, and size)



# Thank you!

**Peter Uhlig, September 2013**