

## Synthetic Guide

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IMAC ITALIA

Trad.: Guillermo M.R.

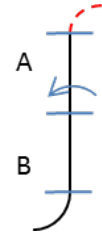
**Shark Tooth**

**Wind**  
5° = - 1/2 pt.  
10° = - 1 pt.  
20 deg. = - 2 pts.

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Case	Deduction
A=B	0 Pt.
A close B	-1 pt.
A = 2x B (B = 2x A)	-2 pt.
A = 3x B (B = 3x A)	-3 pt.
A (or B) = 0	-4 pt.
A=B=0	-2 pt.

**Teardrop**



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A=B=0	-2 pt.

**Loop**

If the 2x4 Roll is NOT centered on the loop top, then - 0,5 pt./5°

For no penalty, loop must be perfectly circular, entry and exit at same level.

• Wings level	- 0,5 pt./5°
• Flight path deviation	- 0,5 pt./5°
• Line during roll	- 2 pt.
• Roll rate deviation	- 1 pt/per deviation
• Entry/exit deviation from horizontal	- 0,5 pt./5°

**Immelmann**

**Tratto = inizio roll**  
- 2 pt. min.

• Line between snap and half loop	-2 pt.
• Line between half loop and roll	- 2 pt.
• Loop radius variation	- 1 pt.
• Wings level	-0,5 pt./5°
• Flight path deviation	-0,5 pt./5°
• Entry and exit horizontal;	-0,5 pt./5°
• Roll before loop ends	-0,5 pt./5°

**Spin**

Rotation sense is optional;

- Left spin; Right 1/4 roll => exit
- Right spin, left 1/4 roll => entry

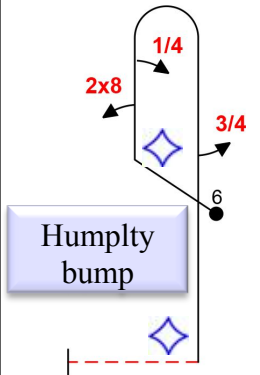
The plane must arrive to the stall with wings in horizontal:

- Missalignment from horizontal:	- 0,5 pt/5°
- No stall and/or snap/aileron entry:	0 pt
Straight flight path before stall:	
- Missalignment from path	- 0,5 pt/5°
Nose and wing shall fall in sequence or simultaneously in spin direction:	
- If rotates before nose falls;	0 pts
Plane must autorotare during spin:	
- If spin is spiral	0 pts
After the spin, the plane must follow a 90° vertical path corrected against wind:	
- For any deviation	- 0,5 pt/5°
- Vertical path omission	- 1 pt.

Between spin and roll, there must be at least 1 fuse length line.  
If less - 1 pt

Spin and 1/4 roll in opposite direction. If same 0 pt.

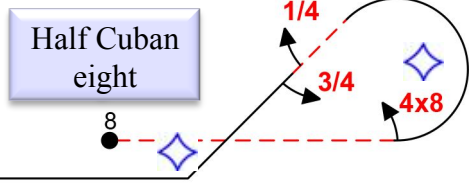
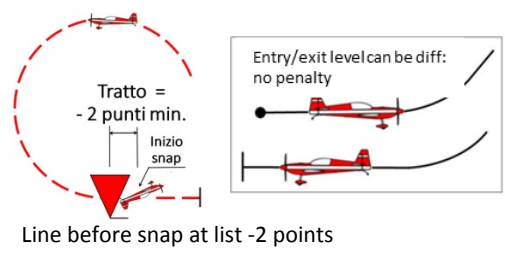
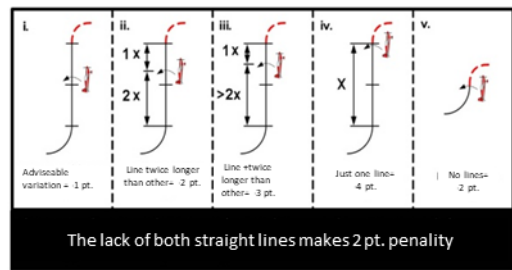
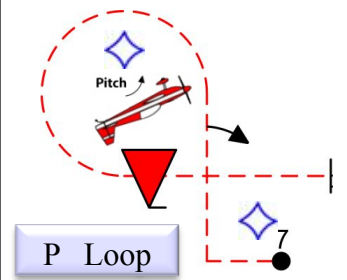
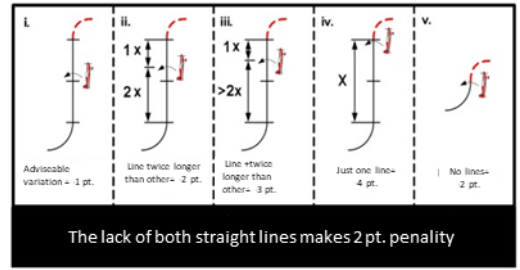
## Syntethic Guide



According to the previous maneuver;

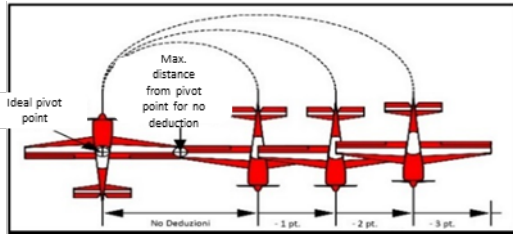
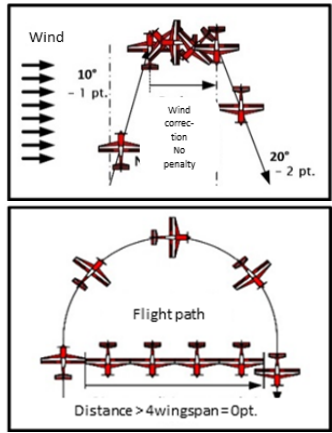
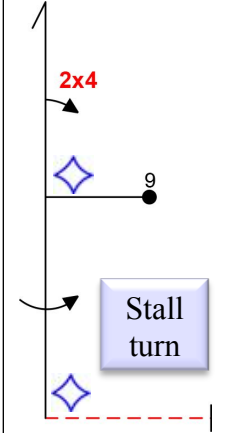
- If incoming;  $\frac{3}{4}$  roll must be Righthense
- If outgoing;  $\frac{3}{4}$  roll must be Leftsense
- Else = **0 Pt.**
- Roll rate variation - **1 pt.**
- Wings missalignment from flat - **0,5 pt./5°**
- Flight path deviation - **0,5 pt./5°**
- Entry/exit deviation from horizontal - **0,5 pt./5°**

2x8 and  $\frac{1}{4}$  are in opposite direction  
If same **0 pt.**  
If exit direction is wrong; «Break penalty» is to be applied



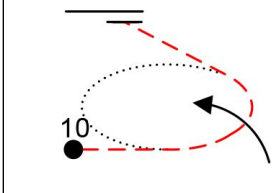
Roll rate variation - **1 pt.**  
Wings level - **0,5 pt./5°**  
Flight Path deviation - **0,5 pt./5°**  
Entry and exit horizontal or - **0,5 pt./5°**  
No pause between 1/4 and 3/4 roll - **1 pt.**  
 $\frac{1}{4}$  e  $\frac{3}{4}$  di roll are opposite. If same **0 pt.**

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Oscilation after stall - **0,5 pt./5°**  
Flight Path deviation - **0,5 pt./5°**  
Wing alignment - **0,5 pt./5°**  
Vertical path (up/down) - **0,5 pt./5°**  
Horizontal entry/exit - **0,5 pt./5°**  
Slide down **0 pt.**

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Inside Roll: inside roll same direction of curve. If different **0 pt.**  
Roll rate variation - **1 pt.**  
Curve radius variation - **1 pt.**  
Flight level variation - **0,5 pt./5°**  
Wing level on entry and exit - **0,5 pt./5°**  
Crossbox figure; optional direction; can be outgoing rolling left or incoming rolling right

⊖ ALL RADIUSSES MUST BE THE SAME

◇ RADIUSSES ARE NOT NECESSARILY TO BE THE SAME THAN THE OTHERS

