



ARESTI DICTIONARY

Roll Elements - Family 9

ROTATION →	1/4	1/2	3/4	1	1-1/4	1-1/2	1-3/4	2
Continuous Roll	1/4		3/4		1/4		3/4	
2-Point	NA	NA	NA	2	NA	2	NA	2
4-Point	1/4	2/4 4	3/4 4	4	1/4 4	4	3/4 4	4
8-Point	2/8 8	4/8 8	6/8 8	8	2/8 8	8	6/8 8	8
Positive Snap	NA		3/4		1/4		3/4	
Negative Snap	NA		3/4		1/4		3/4	
Positive Spin	NA	NA	NA		1/4		3/4	
Negative Spin	NA	NA	NA		1/4		3/4	

Direction of flight is into the curve of rolls and the tick mark direction on snaps and spins

Only 2 of the above roll elements are allowed on any line.

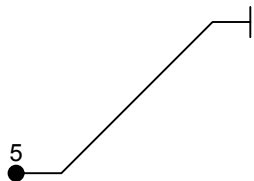
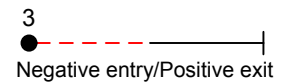
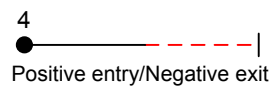
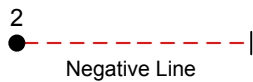
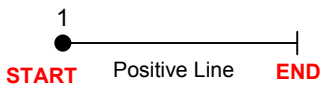
Other rules apply as well. Please refer to the FAI Catalog for additional information.

Additional rules apply for IMAC Known and Unknown construction.

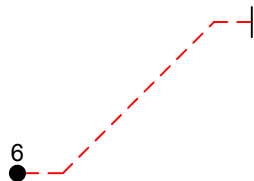


ARESTI DICTIONARY

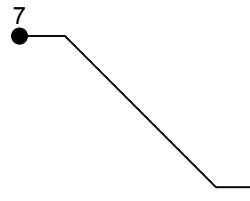
BASIC LINES AND SHAPES



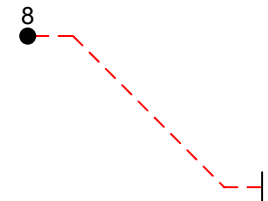
Positive 45 degree Upline



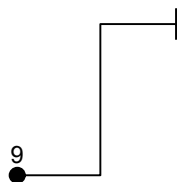
Negative 45 degree Upline



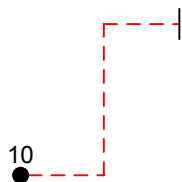
Positive 45 degree Downline



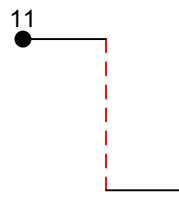
Negative 45 degree Downline



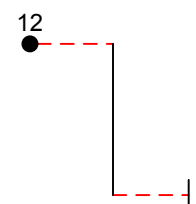
Positive Vertical Upline



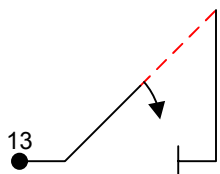
Negative Vertical Upline



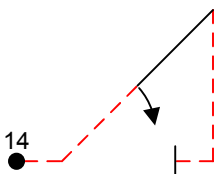
Positive Entry Vertical Downline



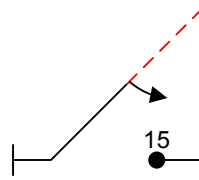
Negative Entry Vertical Downline



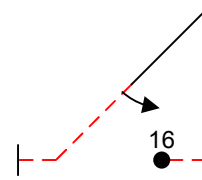
Reverse Shark's Tooth
POS Entry/Exit



Reverse Shark's Tooth
NEG Entry/Exit

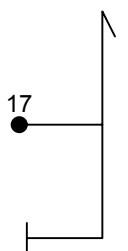


Shark's Tooth
POS Entry/Exit

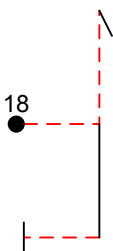


Shark's Tooth
NEG Entry/Exit

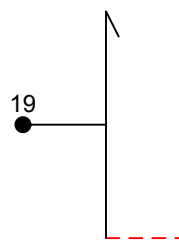
NOTE: Figs #13-#16 all REQUIRE a 1/2 roll element.



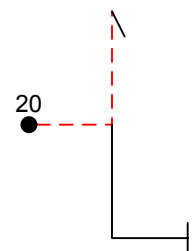
Hammerhead



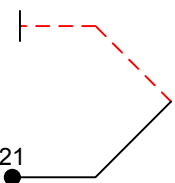
Hammerhead- NEG Entry/Exit



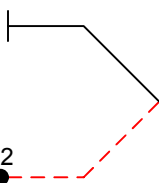
Hammerhead-NEG Exit
Exit same direction as entry



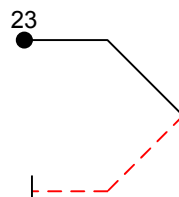
Hammerhead-NEG Entry
Exit same direction as entry



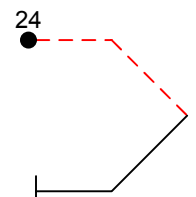
Half Diamond Loop
POS Entry/NEG Exit



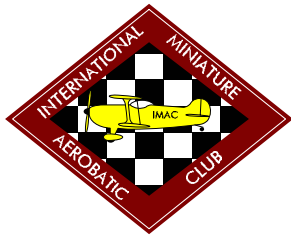
Half Diamond Loop
NEG Entry/POS Exit



Half Diamond Loop
POS Entry/NEG Exit



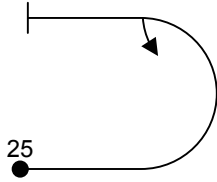
Half Diamond Loop
NEG Entry/POS Exit



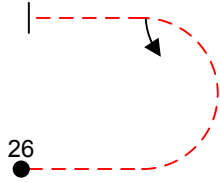
ARESTI DICTIONARY

BASIC LINES AND SHAPES

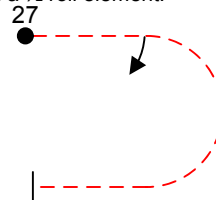
NOTE: Figs #20 -24 all REQUIRE a 1/2 roll element.



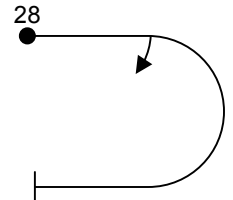
25
Half Inside Loop
"Immelman"



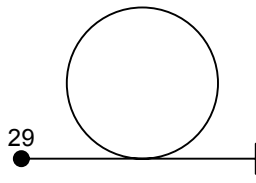
26
Half Outside Loop
"Immelman"



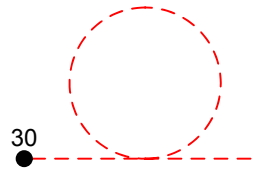
27
Half Outside Loop
"Split Ess"



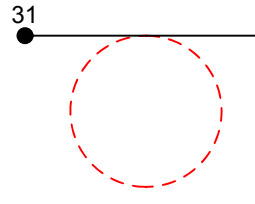
28
Half Inside Loop
"Split Ess"



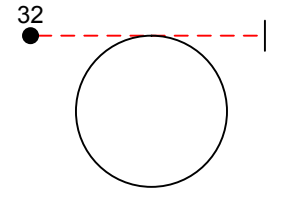
29
Inside Loop



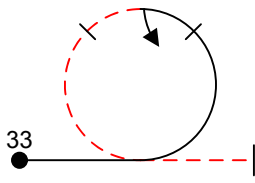
30
Outside Loop



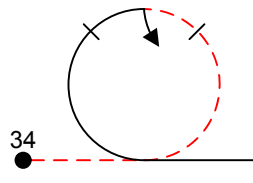
31
Outside Loop from the Top



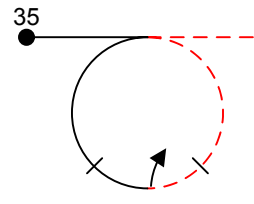
32
Inside Loop from the Top



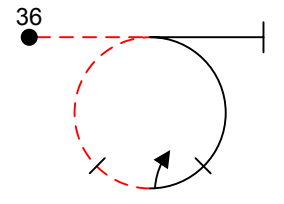
33
Inside/Outside Loop



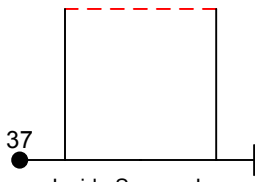
34
Outside/Inside Loop



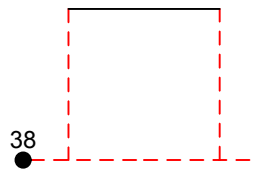
35
Outside/Inside Loop
from Top



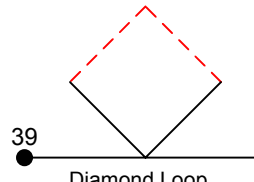
36
Inside/Outside Loop
From Top



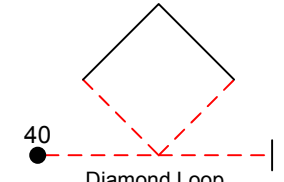
37
Inside Square Loop



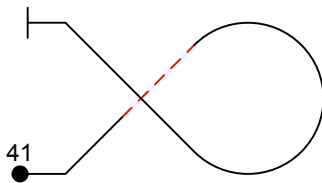
38
Outside Square Loop



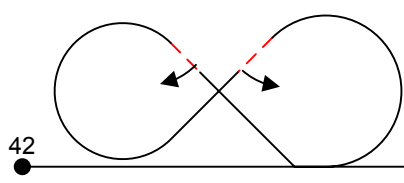
39
Diamond Loop
POS Entry/Exit



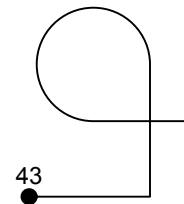
40
Diamond Loop
NEG Entry/Exit



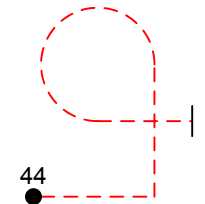
41
Goldfish



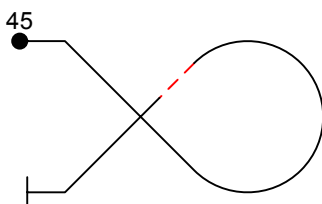
42
Cuban 8
POS Entry/Exit



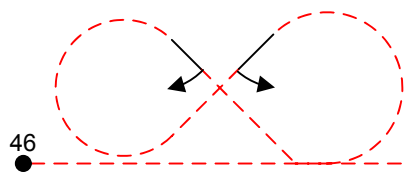
43
Figure 9
POS Entry/Exit



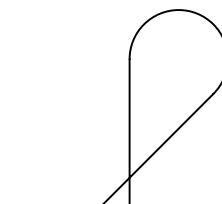
44
Figure 9
NEG Entry/Exit



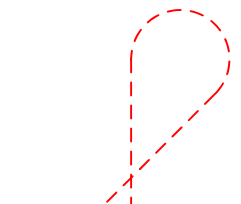
45
Goldfish
from the Top



46
Cuban 8
NEG Entry/Exit



47
Teardrop
POS Entry/Exit

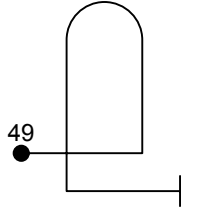


48
Teardrop
NEG Entry/Exit

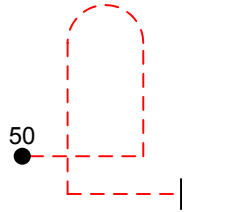


ARESTI DICTIONARY

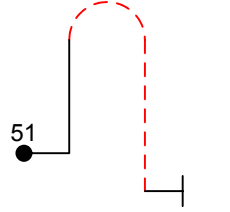
BASIC LINES AND SHAPES



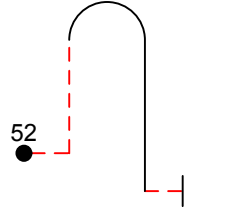
Humpty-Bump - Pull Top



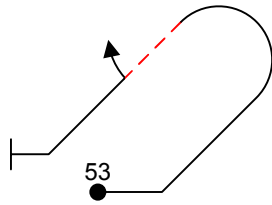
Humpty-Bump - Push Top
NEG Entry/Exit



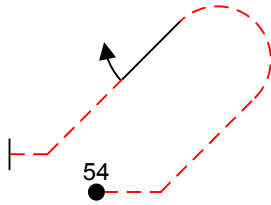
Humpty-Bump - Push Top
POS Entry/Exit



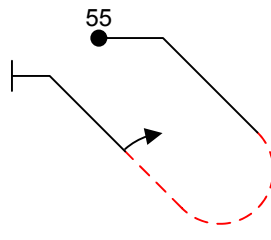
Humpty-Bump - Pull Top
NEG Entry/Exit



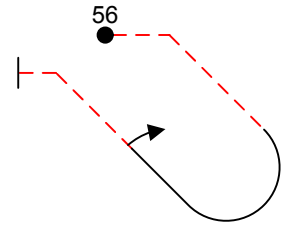
Laydown Humpty-Bump
Pull Top



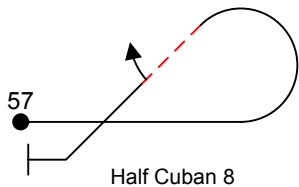
Laydown Humpty-Bump
Push Top



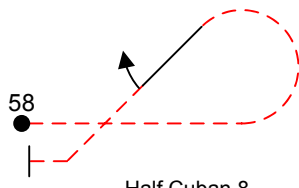
Laydown Humpty-Bump
Push Top From Top



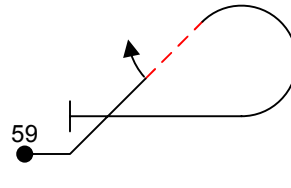
Laydown Humpty-Bump
Pull Top From Top



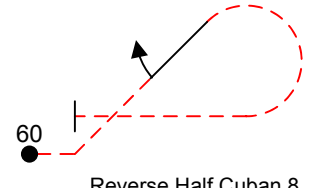
Half Cuban 8



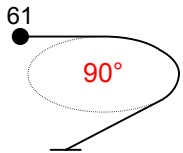
Half Cuban 8
NEG Entry/EXIT



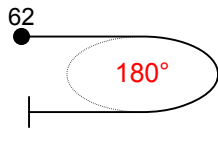
Reverse Half Cuban 8



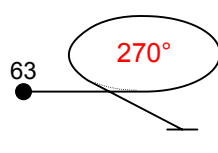
Reverse Half Cuban 8
NEG Entry/Exit



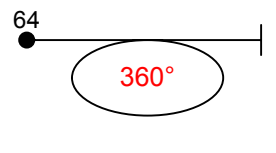
90-deg Aerobatic Turn



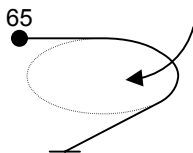
180-deg Aerobatic Turn



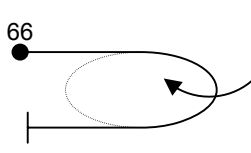
270-deg Aerobatic Turn



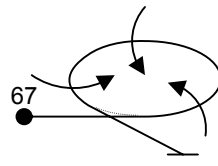
360-deg Aerobatic Turn



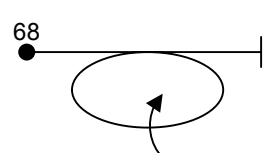
90-deg 1-Roll Turn - Inside



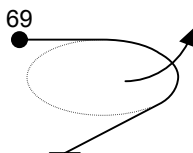
180-deg 1-roll Turn - Inside



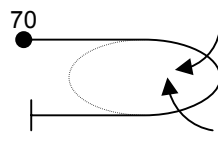
270-deg 3-roll Turn - Inside



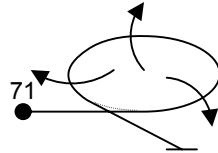
360-deg 1-roll Turn - Inside



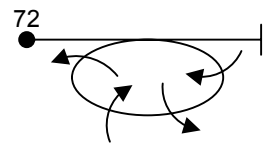
90-deg 1-Roll Turn - Outside



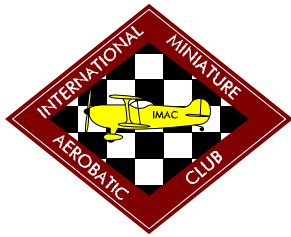
180-deg 2-roll Turn - Inside



270-deg 3-roll Turn - Outside

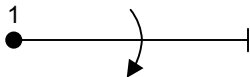


360-deg 4-roll Turn
In/Out/In/Out

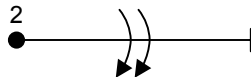


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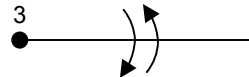
Example Figures



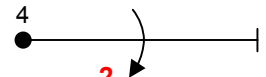
1 Roll



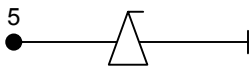
2 Continuous Rolls



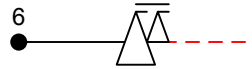
2 Rolls in Opposite Directions



2-Point Hesitation Roll



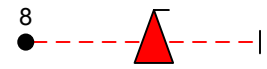
Positive Snap Roll
Enter/Exit Upright



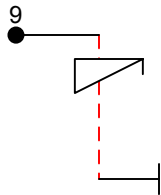
1-1/2 Positive Snap Rolls
Enter Positive/Exit Negative



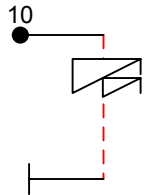
1-1/2 Negative Snap Rolls
Enter Negative/Exit Positive



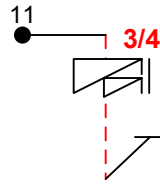
Negative Snap Roll
Enter/Exit Inverted



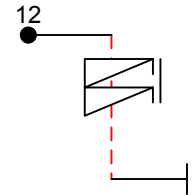
1 Turn Positive Spin



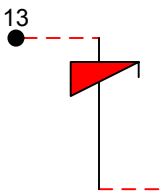
1-1/2 Turn Positive Spin



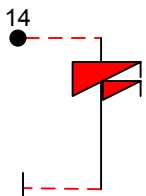
1-3/4 Turn Positive Spin
Exit Cross Box



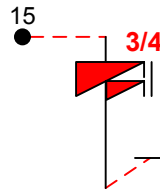
2 Turn Positive Spin



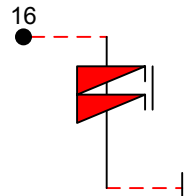
1 Turn Inverted Spin



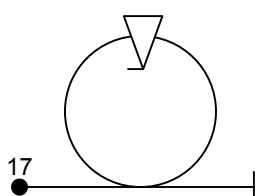
1-1/2 Turn Inverted Spin



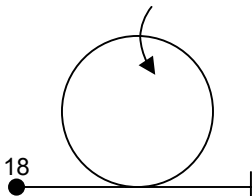
1-3/4 Turn Inverted Spin
Exit Cross Box



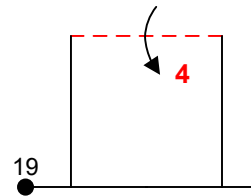
2 Turn Inverted Spin



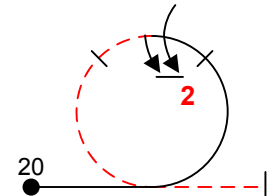
Inside Loop
Positive Snap Roll at Apex
(Avalanche)



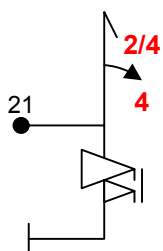
Inside Loop
Full Roll at Apex



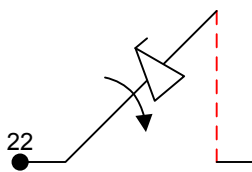
Square Loop
4-point roll across the top



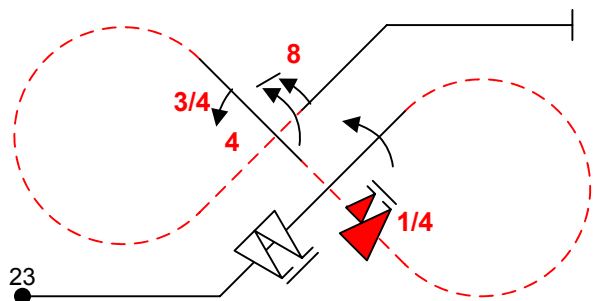
Inside / Outside Loop
3 of 2 Across the top
(1-1/2 2-point rolls)



Hammerhead
2 of 4 point roll up
1-1/2 positive snap rolls on downline



Reverse Shark's Tooth
Full roll on 45 degree upline
Opposite direction positive snap roll



You Tell Me!!!