

## F3A – P-23

<u>01</u> <b>Top Hat</b> , with two quarter rolls up, half roll on top, two quarter rolls down, <b>Exit Inv</b>	4
<u>02</u> <b>Half Square Loop</b> , with half roll, <b>Exit Inv</b>	2
<u>03</u> <b>Pull-Pull-Push Humpty Bump</b> , with roll, half roll	4
<u>04</u> <b>Half Square Loop On Corner</b> , with half roll, half roll, <b>Exit Inv</b>	3
<u>05</u> <b>Forty Five Degree Upline</b> , with one and a half snap roll	5
<u>06</u> <b>Half Eight Sided Loop</b> , <b>Exit Inv</b>	3
<u>07</u> <b>Roll Combination</b> , with two consecutive half rolls, two consecutive half rolls in opposite direction, <b>Exit Inv</b>	4
<u>08</u> <b>Pushed Immelmann Turn</b> , with half Roll, <b>Exit Inv</b>	2
<u>09</u> <b>Inverted Spin</b> , with two and a half turns	4
<u>10</u> <b>Pull-Pull-Push Humpty-Bump</b> , with half rolls, <b>Exit Inv</b> (Option: three quarter roll, quarter roll)	3
<u>11</u> <b>Reverse Figure ET</b> , with two consecutive half rolls in opposite direction, two consecutive quarter rolls	4
<u>12</u> <b>Half Square Loop</b> , with half roll	2
<u>13</u> <b>Crossbox Figure M</b> , with three quarter rolls, up and down	5
<u>14</u> <b>Fighter Turn</b> , with quarter rolls	4
<u>15</u> <b>Triangle</b> , with half roll, two consecutive quarter rolls, two consecutive quarter rolls, half roll	3
<u>16</u> <b>Shark Fin</b> , with half roll, two consecutive quarter rolls, <b>Exit Inv</b>	3
<u>17</u> <b>Loop</b> , with half roll integrated	5

# F3A – F-23

<b>01 Knife Edge Rolling Loop, Exit Inv</b>	5
<b>02 Stall Turn, with snap roll, roll, Exit Inv</b>	4
<b>03 Eight Consecutive One Eighth Rolls, Exit Inv</b>	4
<b>04 Shark Tooth, with three consecutive quarter rolls, three quarter roll</b>	3
<b>05 Square Loop On Corner, with 1/4 roll, half roll, half roll, 1/4 roll, Exit Inv</b>	5
<b>06 Push-Pull-Pull Humpty-Bump, with consecutive half rolls, integrated roll, snap roll</b>	4
<b>07 Horizontal Eight with rolls integrated</b>	6
<b>08 Reverse Figure ET, with roll, consecutive quarter rolls</b>	3
<b>09 Knife Edge Forty Five Degree Upline, with two consecutive snap rolls in opposite direction, Exit Inv</b>	6
<b>10 Reverse Vertical Shark Tooth, with two consecutive half rolls in opposite direction, two consecutive quarter rolls, roll, Exit Inv</b>	3
<b>11 Reverse Double Fighter Turn, with three consecutive quarter rolls, half roll, half roll, three consecutive quarter rolls, Exit Inv</b>	6
<b>12 Reverse Top Hat, with one quarter roll, one quarter roll</b> (Option: Reverse Top Hat with half roll, half roll)	2
<b>13 Spin, with two and a quarter turns, two and a quarter turns in opposite direction</b>	5
<b>14 Half Cuban Eight, with two half rolls in opposite direction, one and half snap roll</b>	4
<b>15 Rolling Circle, with half rolls in opposite direction integrated</b>	5
<b>16 Half Square Loop, with half rolls in opposite direction, Exit Inv</b>	2
<b>17 Avalanche, (from top) with half roll integrated, snap roll, half roll integrated, Exit Inv</b>	5

# Expert – A-23



<u>01</u> <b>Top Hat</b> , with half roll on top, <b>Exit Inv</b>	3
<u>02</u> <b>Half Square Loop</b>	2
<u>03</u> <b>Push-Pull-Push Humpty-Bump</b> , with half roll, half roll	3
<u>04</u> <b>Half Square Loop On Corner</b> , with half roll	3
<u>05</u> <b>Forty Five Degree Upline</b> , with roll	4
<u>06</u> <b>Half Eight Sided Loop</b> , <b>Exit Inv</b>	3
<u>07</u> <b>Roll Combination</b> , with two consecutive half rolls in opposite direction, <b>Exit Inv</b>	3
<u>08</u> <b>Pushed Immelmann Turn</b> , with half roll, <b>Exit Inv</b>	2
<u>09</u> <b>Inverted Spin</b> , with two and a half turns	4
<u>10</u> <b>Pull-Pull-Pull Humpty-Bump</b> , with half roll (Option: quarter roll, quarter roll)	3
<u>11</u> <b>Reverse Figure ET</b>	3
<u>12</u> <b>Half Square Loop</b> , with half roll	2
<u>13</u> <b>Figure M</b> , with quarter rolls	5
<u>14</u> <b>Trombone</b> , with half roll	3
<u>15</u> <b>Triangle</b> , with two consecutive quarter rolls, two consecutive quarter rolls	3
<u>16</u> <b>Shark Fin</b> , with half roll	3
<u>17</u> <b>Loop</b> , with knife-edge flight	4

# Advanced



<b><u>01</u> Top Hat, with roll on top</b>	<b>3</b>
<b><u>02</u> Half Square Loop, with half roll</b>	<b>2</b>
<b><u>03</u> Push-Push-Pull Humpty-Bump, with half roll, Exit Inv</b>	<b>3</b>
<b><u>04</u> Half Square Loop On Corner</b>	<b>2</b>
<b><u>05</u> Forty Five Degree Upline, with two half rolls in opposite</b>	<b>4</b>
<b><u>06</u> Reverse Split S, with half roll</b>	<b>2</b>
<b><u>07</u> Roll Combination, with four one quarter rolls</b>	<b>3</b>
<b><u>08</u> Immelmann Turn, with half roll</b>	<b>2</b>
<b><u>09</u> Spin, with two turns</b>	<b>3</b>
<b><u>10</u> Pull-Push-Pull Humpty-Bump, with half roll</b>	
(Option: One quarter roll, one quarter roll)	<b>3</b>
<b><u>11</u> Reverse Figure ET</b>	<b>3</b>
<b><u>12</u> Half Square Loop, with half roll</b>	<b>2</b>
<b><u>13</u> Stall Turn</b>	<b>3</b>
<b><u>14</u> Trombone, with half roll</b>	<b>4</b>
<b><u>15</u> Triangle, with one roll</b>	<b>3</b>
<b><u>16</u> Shark Fin, with half roll</b>	<b>2</b>
<b><u>17</u> Loop, with one roll</b>	<b>3</b>

# Sportsman

## *For those new to F3A*



<u>01</u> Take Off (Into wind)	
<u>02</u> Trim Pass (Downwind)	
<u>03</u> <b>Double Immelmann, ½ Rolls</b>	3
	Free turn
<u>04</u> <b>Slow Roll</b>	3
	Free turn
<u>05</u> <b>Loop</b>	2
<u>06</u> <b>Immelmann Turn</b>	2
<u>07</u> <b>Outside Loop</b>	3
<u>08</u> <b>Split S</b>	2
<u>09</u> <b>Stall Turn, ¼ Roll Up &amp; Down</b>	3
	Free turn
<u>10</u> <b>Inverted Flight</b>	2
	Free turn
<u>11</u> <b>Top Hat, with ½ Roll Up &amp; Down</b>	4
	Free turn
<u>12</u> <b>Cuban 8, with ½ Roll</b>	3
	Free turn to Top
<u>13</u> <b>Two Turn Spin</b>	3
<u>14</u> Land	

# Have you got your bronze wings?

## Why not have a go at Precision Aerobatics!

If you're a member of a local RC club, you'll know that after you achieve bronze wings, you're pretty much on your own. Apart from a few tips from mates, you could fly aimlessly for years....

### Imagine:

- Flying with purpose!
- Improving your flying with every trip to the field
- Setting up a plane to maximise its performance
- Gathering with like-minded enthusiasts working to improve their flying
- All the fun you'll have with a new group of mates

All this is available now, enter a local aerobatic competition and let our members ***FAST-TRACK*** your flying ability to the next level!

For heaps of useful information and discussion on competitions practice and trimming visit:

[www.F3A.com.au/get-started](http://www.F3A.com.au/get-started)

