



FAI Aerobatics Commission (CIVA) Annual Plenary Meeting 2025

KAWG report for 2026 Power Free Known Figure-sets

Dear CIVA Delegates:

NAC submissions of Figure-sets for the Free Knowns for 2026 in all categories were received as follows:

- 9 proposals for Unlimited (A to I)
- 6 proposals for Advanced (A to F)
- 4 proposals for Intermediate (A to D)

Many thanks to the NAC's who submitted those interesting proposals.

CIVA's KAWG Experts have now reviewed the proposals and have returned their opinions and rankings.

You will find below the Experts review/comments table and ranking for Power figure sets in Unlimited, Advanced and Intermediate. The last column contains the comments of the CIVA Safety Working Group.

The KAWG hopes that the review tables will help you to make a well-informed choice.

KAWG Experts Power:

Coco Bessière

Nigel Hopkins

Louis Vanel

KAWG Chairman Power:

Hanspeter Rohner

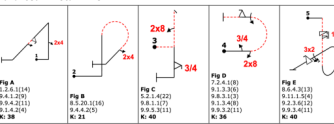
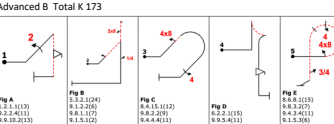
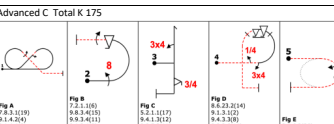
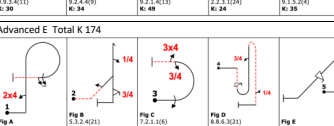

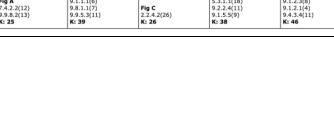





Expert's analysis of Unlimited Free Known Figure-sets for 2026

KAWG Expert Analysis for UNL FK Figures 2026

Free Known figures proposals for 2026 Unlimited					Laude Coco Bessiere		Nigel Hopkins		Louis Vanel		Safety Working Group	
	Notes	Order of preference	Notes	Order of preference	Notes	Order of preference	Notes	Order of preference	Notes	Order of preference		
<p>A</p> <p>Unlimited A Total K 226</p> <p>Fig A: 6.2.2 (110), 9.2.2 (215), 9.2.2 (215), 9.2.2 (215), 9.2.2 (215) K: 53</p> <p>Fig B: 2.2.2 (222) K: 52</p> <p>Fig C: 6.2.2 (103), 9.2.2 (215), 9.2.2 (215), 9.2.2 (215), 9.2.2 (215) K: 42</p> <p>Fig D: 6.2.2 (103), 9.2.2 (215), 9.2.2 (215), 9.2.2 (215), 9.2.2 (215) K: 54</p> <p>Fig E: 6.2.2 (122), 9.2.2 (215), 9.2.2 (215), 9.2.2 (215), 9.2.2 (215) K: 55</p>	<p>Almost possible —Fig D is difficult to design downwind in the box</p>	4	<p>Variety of figures with average complexity. 4 Flicks of which 3 are neg. Easy flow for sequence design.</p>	1	<p>No negative Gs except negative flicks Figures not too hard, pleasant to fly Easier rolling turns Looks easy to build a sequence The set is quite "classic"</p>	1						
<p>B</p> <p>Unlimited B Total K 244</p> <p>Fig A: 6.2.2 (110), 9.2.2 (215), 9.2.2 (215), 9.2.2 (215), 9.2.2 (215) K: 53</p> <p>Fig B: 2.2.2 (222), 9.2.2 (215), 9.2.2 (215), 9.2.2 (215), 9.2.2 (215) K: 52</p> <p>Fig C: 6.2.2 (103), 9.2.2 (215), 9.2.2 (215), 9.2.2 (215), 9.2.2 (215) K: 42</p> <p>Fig D: 6.2.2 (103), 9.2.2 (215), 9.2.2 (215), 9.2.2 (215), 9.2.2 (215) K: 54</p> <p>Fig E: 6.2.2 (122), 9.2.2 (215), 9.2.2 (215), 9.2.2 (215), 9.2.2 (215) K: 55</p>	<p>Too many negative push outs and difficult to design sequence with diagonal humplies.—vertigo may occur with many repetitions of push out, especially in a Free Known</p>	X	<p>Multiple flicks per figure x 3. Complex. High neg G. Complex for sequence design and flow.</p>	8	<p>Physical with 3 or 4 hard pushes G loc risk Fig E Not easy/pleasant for average pilots</p>	9						
<p>C</p> <p>Unlimited C Total K 227</p> <p>Fig A: 6.2.2 (110), 9.2.2 (215), 9.2.2 (215), 9.2.2 (215), 9.2.2 (215) K: 53</p> <p>Fig B: 2.2.2 (222), 9.2.2 (215), 9.2.2 (215), 9.2.2 (215), 9.2.2 (215) K: 52</p> <p>Fig C: 6.2.2 (103), 9.2.2 (215), 9.2.2 (215), 9.2.2 (215), 9.2.2 (215) K: 42</p> <p>Fig D: 6.2.2 (103), 9.2.2 (215), 9.2.2 (215), 9.2.2 (215), 9.2.2 (215) K: 54</p> <p>Fig E: 6.2.2 (122), 9.2.2 (215), 9.2.2 (215), 9.2.2 (215), 9.2.2 (215) K: 55</p>	OK	3	<p>4 Flicks, 3 Pos. Figures not overly complex. Sequence design flow ok.</p>	2	<p>Quite classic but good overall But Fig E could be hard to being flown/judged correctly though. I would avoid that kind of figure in a Free Known</p>	6						
<p>D</p> <p>Unlimited D Total K 228</p> <p>Fig A: 6.2.2 (110), 9.2.2 (215), 9.2.2 (215), 9.2.2 (215), 9.2.2 (215) K: 53</p> <p>Fig B: 2.2.2 (222), 9.2.2 (215), 9.2.2 (215), 9.2.2 (215), 9.2.2 (215) K: 52</p> <p>Fig C: 6.2.2 (103), 9.2.2 (215), 9.2.2 (215), 9.2.2 (215), 9.2.2 (215) K: 42</p> <p>Fig D: 6.2.2 (103), 9.2.2 (215), 9.2.2 (215), 9.2.2 (215), 9.2.2 (215) K: 54</p> <p>Fig E: 6.2.2 (122), 9.2.2 (215), 9.2.2 (215), 9.2.2 (215), 9.2.2 (215) K: 55</p>	<p>Useless negative recovery in diagonal diving 45 —Vertigo and dizziness may occur with repetition of many push out recovery, especially in free K training flights</p>	X	<p>Balance of Flicks. Fig C high K for many rolls no flick. Higher neg G Requires linking of figures for sequence design.</p>	9	<p>Classic set Risk of G loc at Fig A because of inverted flight + negative spin + negative flick + positive P loop</p>	5	<p>Potential G-loc in Fig A. Negative entry and recovery in Fig B. Might cause dizziness</p>					
<p>E</p> <p>Unlimited E Total K 242</p> <p>Fig A: 6.2.2 (110), 9.2.2 (215), 9.2.2 (215), 9.2.2 (215), 9.2.2 (215) K: 53</p> <p>Fig B: 2.2.2 (222), 9.2.2 (215), 9.2.2 (215), 9.2.2 (215), 9.2.2 (215) K: 52</p> <p>Fig C: 6.2.2 (103), 9.2.2 (215), 9.2.2 (215), 9.2.2 (215), 9.2.2 (215) K: 42</p> <p>Fig D: 6.2.2 (103), 9.2.2 (215), 9.2.2 (215), 9.2.2 (215), 9.2.2 (215) K: 54</p> <p>Fig E: 6.2.2 (122), 9.2.2 (215), 9.2.2 (215), 9.2.2 (215), 9.2.2 (215) K: 55</p>	OK	1	<p>Flow for sequence design ok. High amount of flicks, every figure.</p>	4	<p>Good and classic set</p>	2						
<p>F</p> <p>Unlimited F Total K 241</p> <p>Fig A: 6.2.2 (110), 9.2.2 (215), 9.2.2 (215), 9.2.2 (215), 9.2.2 (215) K: 53</p> <p>Fig B: 2.2.2 (222), 9.2.2 (215), 9.2.2 (215), 9.2.2 (215), 9.2.2 (215) K: 52</p> <p>Fig C: 6.2.2 (103), 9.2.2 (215), 9.2.2 (215), 9.2.2 (215), 9.2.2 (215) K: 42</p> <p>Fig D: 6.2.2 (103), 9.2.2 (215), 9.2.2 (215), 9.2.2 (215), 9.2.2 (215) K: 54</p> <p>Fig E: 6.2.2 (122), 9.2.2 (215), 9.2.2 (215), 9.2.2 (215), 9.2.2 (215) K: 55</p>	<p>Very difficult to design a sequence in a normal box with such a tailslide</p>	5	<p>Complex Spin figure, high K for Fig E. Position and sequence design needs linking with Free figures. Cross box spin Fig A and continues direction slide Fig B.</p>	6	<p>Fig A is complicated and too much "unknown style figure" for a Free Known Fig B is a center figure (not the best for Free Known construction) Quite physical due to the 2 positive U (Fig A and Fig E) Complicated rolling turns</p>	8						
<p>G</p> <p>Unlimited G Total K 244</p> <p>Fig A: 6.2.2 (110), 9.2.2 (215), 9.2.2 (215), 9.2.2 (215), 9.2.2 (215) K: 53</p> <p>Fig B: 2.2.2 (222), 9.2.2 (2</p>												

Expert's analysis of Advanced Free Known Figure-sets for 2026

KAWG Expert Analysis for ADV FK Figures 2026

Free Known figures proposals for 2026		Claude Coco Bessiere		Nigel Hopkins		Louis Vanel		Safety Working Group	
Advanced		Notes	Order of preference	Notes	Order of preference	Notes	Order of preference	Notes	Order of preference
A	Advanced A Total K 175	Useless pull out —No danger—No interest fig.D	2	Sequence design complex. Some higher degree of difficulty for flicks.	3	Good set, just not the easiest sequence construction with figure 5	3		
									
									
									
									
									
B	Advanced B Total K 173	Forbidden type of tail slide, with snap roll diving	X	Sequence design, continuous direction slide Fig. Height loss figures .	4	Lot of descending figures (1 3 4 and 5)	6		
									
									
									
									
									
C	Advanced C Total K 175	Difficult and useless exiting pull out, especially in fig 4, but no danger	3	Height management and sequence design requires planning, especially leading to Fig 4 energy for multiple flick.	5	Not the easiest sequence construction	5	Push-out in Fig A and Fig D, too much negative for a Free Known.	
									
									
									
									
									
D	Advanced D Total K 172	Too much negative recovery-Possible	4	Neg G. Fig 1 neg spin to long Pos pull.	1	The set is ok	2		
E	Advanced E Total K 174	correct sequence	1	2 Flicks. Not too complex .	2	The set is ok	1		
F	Advanced F Total K 166	Impossible with such a tail slide for this levell!	X	Complex Slide with multiple stops possibly not suitable for Advanced performance. High K Fig E. Positioning and sequence design complex.	6	Small altitude risk at figure 2 2 high speed crossbox exist (construction)	4		

Expert's analysis of Intermediate Free Known Figure-sets for 2026

KAWG Expert Analysis for INT FK Figures 2026

Free Known figures proposals for 2026		Claude Coco Bessiere		Nigel Hopkins		Louis Vanel		Safety Working Group	
Intermediate		Notes	Order of preference	Notes	Order of preference	Notes	Order of preference	Notes	Order of preference
A	<p>Intermediate A Total K 105</p> <p>Fig A 9.5.2.1(105) 9.5.3.4(113) K: 27</p> <p>Fig B 9.4.3.1(115) 9.4.1.2(127) 9.1.3.1(127) K: 24</p> <p>Fig C 7.2.3.4(104) 9.1.3.1(127) K: 21</p> <p>Fig D 7.2.3.3(121) 9.0.2.2(131) K: 25</p> <p>Fig E 7.1.1.2(127) 9.0.4.4(151) K: 18</p> <p>Usually, no negative spin, and risk of grey out climbing 45</p>	X	Sequence design with multiple 45 lines. 3 Flicks		Depending on how sequence is built, speed management for fig 5 can be tough	4			
B	<p>Intermediate B Total K 110</p> <p>Fig A 9.0.2.2(110) 9.2.3.4(111) K: 29</p> <p>Fig B 9.0.2.2(110) 9.1.3.2(124) K: 18</p> <p>Fig C 7.2.3.3(101) 9.4.3.3(125) 9.4.3.4(131) K: 23</p> <p>Fig D 9.0.2.2(110) 9.0.2.2(131) K: 25</p> <p>Fig E 9.0.2.2(110) 9.0.5.1(127) K: 18</p> <p>Good sequence. Fig D is technical</p>	1	Not too complex, only 1 flick. Crossbox positioning.	1	Set ok	1			
C	<p>Intermediate C Total K 109</p> <p>Fig A 9.0.2.2(120) 9.1.3.2(120) 9.1.3.4(130) K: 24</p> <p>Fig B 7.2.2.1(100) 9.0.5.1(111) K: 17</p> <p>Fig C 5.1.1.1(117) 9.0.5.1(121) K: 20</p> <p>Fig D 5.1.1.1(122) 9.0.5.1(122) K: 22</p> <p>Fig E 6.2.1.4(117) 9.0.5.1(122) K: 26</p> <p>tail slide for this level, a fortiori with diving!!!</p>	X	Slide for INT high level. Other figures lower difficulty	4	2x2 after a tailslide can loose a lot of altitude in some conditions	3	Altitude loss in Fig E		
D	<p>Intermediate D Total K 110</p> <p>Fig A 9.0.2.4(122) 9.0.2.4(127) 9.1.3.2(124) K: 23</p> <p>Fig B 9.0.2.4(122) 9.1.3.2(124) K: 23</p> <p>Fig C 5.1.1.1(118) K: 18</p> <p>Fig D 9.0.2.2(110) 9.1.3.4(130) K: 23</p> <p>Fig E 9.0.2.2(110) 9.0.5.3(130) K: 25</p> <p>No negative spin, risk of grey or black out in the loop following</p>	X	Some higher INT complexity figures. Sequence design and flow ok.	2	G lock risk figure 1 Interesting set	2	Potential g-loc in Fig A.		