



**2005 - 2019 APA INNOVATIONS INC. BOW SPECIFICATION SHEET**

Year	Compound Bow	A to A	Brace H.	Pocket	L. Bolt	C. Rod	String	Cable(s)	SD. Carbon	Limbs 40#	Limbs 50#	Limbs 60#	Limbs 70#	Limbs 80#	Limbs 90#
2019	King Cobra XR	33 3/8"	5 5/16"	1.25 C+	1 3/4"	4 3/8"	55 1/8"	34 3/4"	4 5/8"	13.5" - 50	13.5" - 60	13.5" - 70	13.5" - 81	13.5" - 92	13.5" - 104
2019	Mamba 28 XR	28"	7 1/8"	1.25 C	2 1/2"	5 3/4"	49 5/16"	29 3/8"	6 3/4"	13.5" - 50	13.5" - 60	13.5" - 70	13.5" - 81		
2019	Mamba 33 XR	33 3/8"	6 7/16"	1.25 C	2 1/2"	5 1/2"	55 1/8"	34 3/4"	5 3/4"	13.5" - 50	13.5" - 60	13.5" - 70	13.5" - 81	13.5" - 92	13.5" - 104
2019	Mamba 35 XR	35 1/8"	7 3/8"	1.25 E	2 1/2"	6 1/2"	56 15/16"	36 3/4"	7"	14"-42	14"- 52	14"-62	14" - 74	14"- 84	
2019	Mamba 38 XR	38"	6 7/8"	1.25" B	2 1/4"	6"	59 7/16"	39 1/8"	6 7/16"	14" - 42	14" - 52	14" - 62	14" - 74	14"- 84	
2019	Rattler TF	28"	7"	1.25" A	2 1/4"	7 1/4"	50"	31"	6 5/8"	12" - 100	12" - 100	12" - 100			
2019	Viper 30 TF	30"	7 1/4"	1.25 E	2 1/2"	5 1/2"	85 3/4"	32 1/2"	6 1/2"	13" - 54	13" - 68	13" - 80	13" - 92	13" - 108	
2019	Viper Micro TF	27 1/2"	7 1/2"	1.25 B	2 1/2"	5 3/4"	80 5/8"	30"	7 3/8"	12" - 100	12" - 100	12" - 100			
2018	King Cobra TF2	33 3/8"	5 5/16"	1.25 C+	1 3/4"	4 1/4"	55 1/8"	34 3/4"	4 5/8"	13.5" - 50	13.5" - 60	13.5" - 70	13.5" - 81	13.5" - 92	13.5" - 104
2018	Mamba 35 TF RDS	35 1/8"	7 3/8"	1.25 E	2 1/2"	7 1/2"	56 15/16"	36 3/4"	7"	14"-42	14"- 52	14"-62	14" - 74		
2018	Mamba 38 TF RDS	38"	6 7/8"	1.25" B	2 1/4"	7 1/2"	59 7/16"	39 1/8"	6 7/16"	14" - 42	14" - 52	14" - 62	14" - 74		
2018	Viper Air TF	27 1/2"	7 3/8"	1.25" E	2 1/2"	5 3/8"	80 5/8"	30"	7 1/2"	13"- 54	13"- 68	13"-80	13"-92		
2018	Viper Nano TF	30"	7 1/4"	1.25" D	2 1/4"	5 3/8"	86 7/8"	33 1/16"	6 5/8"	13" - 54	13" - 68	13" - 80	13" - 92	13"- 108	
2018	Vipera KJ	27 1/2"	7 3/8"	1.25" E	2 1/2"	5 3/8"	80 5/8"	30"	7 1/2"	13"- 54	13"- 68	13"- 80			
2017	Mamba 34 TF	34 1/8"	6 5/8"	1.25" B	2 1/4"	5 5/8"	55 5/8"	35 9/16"	5 5/8"	13.5" - 50	13.5" - 60	13.5" - 70	13.5" - 81	13.5" - 92	13.5" - 104
2017	Mamba 36 RDS	36 1/8"	7"	1.25" A	2 1/2"	5 5/8"	57 5/8"	37 9/16"	5 5/8"	14" - 52	14" - 62	14" - 74	14" - 84		
2017	Mamba 38 RDS	38"	6 7/8"	1.25" B	2 1/2"	7 1/2"	59 7/16"	39 1/8"	6 7/16"	14" - 42	14" - 52	14" - 62	14" - 74		
2017	Viper Venom	29"	7"	1.25" C	2 1/4"	7"	83 1/2"	31 3/8"	7 3/8"	13" - 80	13" - 80	13" - 80			
2016	Diamondback	30 1/2"	7 1/8"	1.25" D	2. 1/2"	7"	86 7/8"	33 1/16"	6 5/8"	13" - 92	13"- 92	13"- 92			
2016	Diamondback LT	27.5"	7"	1.25" E	2 1/2"	7"	80 5/8"	30"	7 1/2"	13" - 92	13"- 92	13"- 92			
2016	Diamondback Micro	28"	7"	1.25" A	2 1/4"	7 1/4"	50"	31"	7 1/4"	12" - 100	12"- 100	12" - 100			
2016	Mamba 32 TF	32 1/4"	6 5/8"	1.25" D	2 1/2"	6"	53 3/4"	33 3/4"	5 7/8"	13.5" - 50	13.5" - 60	13.5" - 70	13.5" - 81	13.5" - 92	13.5" - 104
2016	Mamba Air TF	28 1/2"	7"	1.25" E	2 1/2"	5 7/8"	50"	30"	7 1/16"	13.5" - 50	13.5" - 60	13.5" - 70	13.5" - 81		
2016	Mamba M36	36 3/16"	6 1/4"	1.25" A	2 1/4"	5 5/8"	57 5/8"	37 9/16"	5 5/8"	14" - 52	14" - 62	14" - 74	14" - 84		
2015	Copperhead 1	31 1/4"	7"	1.25" C	2 1/4"	6 5/8"	88 1/4"	33 7/8"	6 1/2"	13" - 54	13" - 68	13" - 80	13" - 92		
2015	Copperhead Jr	28"	7"	1.25" A	2 1/2"	7 1/4"	50"	31"	7 1/4"	12" -100	12" - 100	12" - 100			
2015	Copperhead LT1	29"	7"	1.25" C	2 1/4"	7"	83 1/2"	31 3/8"	7 3/8"		13" - 68	13" - 80	13" - 92		
2015	King Cobra TF	34 1/16"	5"	1.25" B+	1 3/4"	4 3/8"	55 5/8"	35 9/16"	4 1/2 "		13.5" - 60	13.5" - 70	13.5" - 81	13.5" - 92	13.5" - 104
2015	Mamba X36	36 1/2"	7 1/4"	1.25" C	2 1/4"	5 1/2"	57 7/8"	38 1/8"	6 3/4"		14" - 52	14" - 62	14" - 74		
2015	Mamba X39	39"	6 5/8"	1.25" A	2 1/4"	5 3/4"	60 1/2"	40 3/8"	6"		14" - 52	14" - 62	14" - 74		
2014	Mamba Air	28 1/2"	7 3/8"	1.25" E	2 1/2"	6 3/8"	50"	30"	7 1/2"		14" - 52	14" - 62	14" - 74		
2014	Mamba M34	34 1/16"	6 5/8"	1.25" A	2 1/4"	6 1/8"	55 5/8"	35 9/16"	5 7/8"		14" - 52	14" - 62	14" - 74	14" - 84	
2014	Mamba T39	39"	6 5/8"	1.25" A	2 1/4"	5 3/4"	60 1/2"	40 3/8"	6"		14" - 52	14" - 62	14" - 74		
2014	Mamba X7	36 1/2"	7 1/4"	1.25" C	2 1/4"	5 1/2"	57 1/2"	37 5/8"	6 3/4"		14" - 52	14" - 62	14" - 74		
2014	Viper Air	27 1/2"	7 3/8"	1.25" E	2 1/2"	5 3/8"	80 5/8"	30"	7 1/2"		13" - 68	13" - 80	13" - 92		
2014	Viper T39	39"	6 1/2"	1.25" A	2"	4 1/2"	104"	41 3/4"	6"		13" - 80	13" - 92	13" - 108		



Year	Compound Bow	A to A	Brace H.	Pocket	L. Bolt	C. Rod	String	Cable(s)	SD. Carbon	Limbs 40#	Limbs 50#	Limbs 60#	Limbs 70#	Limbs 80#	Limbs 90#
2014	Viper X7	35 1/2"	7 1/8"	1.25" C	2 1/4"	5 1/4"	96 3/4"	38"	6 5/8"		13" - 68	13" - 80	13" - 92		
2013	Mamba M5	32 1/4"	6 1/8"	1.25" C+	1 3/4"	4 5/8"	53 3/4"	33 3/4"	4 3/16"		13" - 54	13" - 68	13" - 80		
2013	Rattler	28"	7"	1.25" A	2 1/4"	7 1/4"	50"	31"	7 1/4"		12" - 100	12" - 100			
2013	Viper Nano	30"	7 1/4"	1.25" D	2 1/4"	5 3/8"	86 7/8"	33 1/16"	6 5/8"		13" - 68	13" - 80	13" - 92		
2013	Viper X8	35"	7 3/4"	1.25" C	2 1/4"	4 3/4" +A	95 1/2"	37 3/8"	7 3/16"		13" - 68	13" - 80	13" - 92		
2012	Mamba M6	32 1/4"	6 1/8"	1.25" C	2 1/4"	5 3/4"	53 3/4"	33 3/4"	5 3/8"		13" - 54	13" - 68	13" - 80		
2012	Mamba XL39	39"	7 1/4"	1.25" A	2 1/4"	6 1/2"	60 1/2"	40 3/8"	6 5/8"		14" - 62	14" - 74	14" - 84		
2012	Mamba XLR36	36"	7 1/4"	1.25" C	2 1/4"	5 1/2"	57 1/2"	37 5/8"	6 5/8"		13.5" - 58	13.5" - 70	13.5" - 80		
2012	Sidewinder He1	29"	7"	1.25" C	2 1/4"	5"+A.	83 1/2"	31 3/8"	7 3/8"	13" - 54	13" - 68	13" - 80	13" - 92		
2012	Sidewinder He2	30"	7"	1.25" C	2 1/4"	5 3/4"+A	51 1/2"	31 1/2"	7 1/4"	14" - 40	14" - 52	14" - 64	14" - 74		
2012	Viper XL39	39"	7"	1.25" A	2"	6"	104"	41 3/4"	6 3/8"		13" - 92	13" - 108	13" - 120		
2012	Viper XLR35	35"	7 3/4"	1.25" C	2 1/4"	6"+A	95 1/2"	37 3/8"	7 3/16"		13" - 68	13" - 80	13" - 92		
2011	King Cobra He	34"	5 1/16"	1.25" B+	1 3/4"	6"	55 7/16"	35 7/16"	4 3/8"		13.5" - 58	13.5" - 68	13.5" - 80	13.5" - 92	
2011	Mamba M7	32 1/4"	7 1/8"	1.25" C	2 1/4"	6 7/8"	53 3/4"	33 3/4"	6 5/16"		14" - 52	14" - 62	14" - 74		
2011	Mamba XL36	36"	7 1/4"	1.25" C	2 1/4"	5 1/2"	57 1/2"	37 5/8"	6 5/8"		13.5" - 58	13.5" - 70	13.5" - 80	13.5" - 95	
2011	Sidewinder B Pocket	30"	7"	B	2 1/4"	5 5/8"+A	85 3/4"	32 5/8"	7 1/2"		13.5" - 60	13.5" - 70	13.5" - 80		
2011	Sidewinder C Pocket	30"	7"	C	2 1/4"	5 5/8"+A	85 3/4"	32 5/8"	7 1/2"		13.5" - 70	13.5" - 80	13.5" - 88		
2011	Viper V7	31 1/4"	7"	1.25" C	2 1/4"	5 9/16"	88 1/4"	33 7/8"	6 1/2"		13" - 68	13" - 80	13" - 92		
2011	Viper XL 35	35"	7 3/4"	1.25" C	2 1/4"	6"+A	95 1/2"	37 3/8"	7 3/16"		13" - 68	13" - 80	13" - 92		
2010	Blk. Mamba 6.5	32 1/4"	6 1/2"	C	2 1/4"	7 1/4"	53 3/4"	33 3/4"	5 7/8"		13.5" - 60	13.5" - 70	13.5" - 81	13.5" - 89	
2010	Blk. Mamba 7.5	32 1/4"	7 1/2"	C	2 1/4"	8"	53 3/4"	33 3/4"	6 5/8"		14.5" - 50	14.5" - 61	14.5" - 70	14.5" - 79	
2010	Blk.Mamba XL 7.0	37 1/4"	7"	B	2 1/4"	7"	58 3/4"	38 3/4"	6 1/4"		13.5" - 60	13.5" - 70	13.5" - 81		
2010	Pit Viper	31 1/4"	6 5/8"	C+	1 3/4"	6 1/4"	88 1/4"	33 7/8"	5 13/16"		13.5" - 70	13.5" - 80	13.5" - 89		
2010	Viper XL	36 1/4"	7"	C	1 3/4"	5 7/16"	98"	38 3/4"	6 3/16"		13.5" - 70	13.5" - 80	13.5" - 89		
2009	Blk. Mamba MX1	34"	6 1/8"	B	2 1/4"	6 3/4"	55 7/8"	35 7/16"	5 7/16"		13.5" - 60	13.5" - 70	13.5" - 81	13.5" - 89	
2009	Blk. Mamba MX2	32 1/4"	7 3/8"	C	2 1/4"	8"	53 3/4"	33 3/4"	6 5/8"		14.5" - 50	14.5" - 61	14.5" - 70	14.5" - 79	
2009	Blk.Mamba XL	37 1/4"	8"	B	2 1/4"	8"	58 3/4"	38 3/4"	7 1/4"		14.5" - 50	14.5" - 61	14.5" - 70		
2009	King Cobra	34"	5 1/16"	B+	2"	6"	55 7/16"	35 7/16"	4 1/4"		13.5" - 60	13.5" - 70	13.5" - 81	13.5" - 89	
2008	Blk. Mamba X1	35 7/8"	5 1/2"	A	2"	6 3/4"	57 1/4"	37 1/2"	4 3/4"		13.5" - 60	13.5" - 70	13.5" - 81	13.5" - 89	
2008	Boa	34 7/8"	6 3/4"	A	2"	7"	95 1/2"	37 1/2"	5 3/4"		13.5" - 70	13.5" - 81	13.5" - 89		
2008	Python X	38 1/4"	7 3/4"	A	2"	6 1/4"	101 3/4"	40 3/4"	6 1/2"		13.5" - 70	13.5" - 80	13.5" - 89		
2008	Viper	31 1/4"	7 9/16"	C	2.25"	7 1/4"	88 1/4"	33 7/8"	6 3/4"		13.5" - 70	13.5" - 80	13.5" - 89		
2007	Anaconda VT.	39 1/2"	7 1/2"	A	2"	7 5/8"	60 3/4"	41 1/8"	6 1/5"		14.5" - 48	14.5" - 56	14.5" - 69		
2007	Anaconda XP	39"	8 1/2"	A	2"	7 5/8"	103 1/2"	41 1/2"	7 5/8"		14.5" - 56	14.5" - 67	14.5" - 79		
2007	Blk Mamba X2	33 7/8"	7 1/16"	B	2 1/4"	8"	55 1/4"	35 1/2"	6 5/16"		14.5" - 50	14.5" - 61	14.5" - 70	14.5" - 79	
2007	Python XP	37 5/8"	7 1/4"	A	2"	5 3/4"	100 1/4"	39 15/16"	6 5/16"		13" - 60	13" - 73	13" - 88		
2007	Suphan XP	33 1/16"	7 1/4"	B	2.25"	8"	91 3/4"	35 3/4"	6 5/16"		13.5" - 67	13.5" - 81	13" - 88		
2007	Taipan XP	33 1/16"	8 1/4"	B	2.25"	8 1/4"	92"	36"	7 5/16"		14.5" - 56	14.5" - 67	14.5" - 79	14.5" - 89	



Year	Compound Bow	A to A	Brace H.	Pocket	L. Bolt	C. Rod	String	Cable(s)	SD. Carbon	Limbs 40#	Limbs 50#	Limbs 60#	Limbs 70#	Limbs 80#	Limbs 90#
2006	<b>Anaconda DC.</b>	39 3/8"	7 1/2"	A	2"	7 5/8"	58 5/8"	41"	4 3/4"		14.5" - 40	14.5" - 49	14.5" - 59		
2006	<b>Blk Mamba Xtreme</b>	35 3/8"	6 5/8"	A	2"	7 3/4"	56 5/8"	37 1/8"	5 7/8"		14.5" - 48	14.5" - 56	14.5" - 69	14.5" - 74	
2006	<b>Python</b>	37 1/2"	7 3/16"	A	2"	5 3/4"	100 1/4"	39 15/16"	6 1/4"		13" - 60	13" - 73	13" - 88		
2006	<b>Suphan</b>	33 3/8"	6 1/2"	A	2"	6 3/4"	92"	36"	5 7/8"		13" - 60	13" - 73	13" - 88		
2005	<b>Blk Mamba</b>	35 1/4"	6 1/2"	A	2"	7 3/4"	54 5/8"	37"	5 7/8"		14.5" - 40	14.5" - 49	14.5" - 59	14.5" - 69	
2005	<b>Taipan</b>	35"	7 3/4"	A	2"	8"	95 1/8"	37 9/16"	6 1/5"		14.5" - 56	14.5" - 67	14.5" - 79	14.5" - 89	



**2009- 2019 APA INNOVATIONS INC M1/MX/BM DUAL CAM MOD SHEET**

Speeds Tested @ 5 Gr/lbs & 75% Lett Off

Year	Compound Bow	#1	#1.5	#2	#2.5	#3	#3.5	#4	#4.5	#5	#5.5	#6	#6.5	#7
2019	Mamba 38 XR	27" 302	27.5" 307	28" 312	28.5" 317	29" 322	29.5" 327	30" 332	30.5" 337	31" 342	31.5" 347	32" 352	32.5" 357	33" 362
2019	Mamba 35 XR	26" 297	26.5" 302	27" 307	27.5" 312	28" 317	28.5" 322	29" 327	29.5" 332	30" 337	30.5" 342	31" 347	31.5" 352	32" 357
2019	Mamba 28 XR	24.5" 293	25" 298	25.5" 303	26" 308	26.5" 313	27" 318	27.5" 323	28" 328	28.5" 333	29" 338	29.5" 343	30" 348	30.5" 353
2019	Mamba 33 XR	25.5" 305	26" 310	26.5" 315	27" 320	27.5" 325	28" 330	28.5" 335	29" 340	29.5" 345	30" 350	30.5" 355	31" 360	31.5" 365
2019	King Conbra XR	24" 307	24.5" 312	25" 317	25.5" 322	26" 327	26.5" 332	27" 337	27.5" 342	28" 347	28.5" 352	29" 357	29.5" 362	30" 367
2018	King Cobra TF2	24" 307	24.5" 312	25" 317	25.5" 322	26" 327	26.5" 332	27" 337	27.5" 342	28" 347	28.5" 352	29" 357	29.5" 362	30" 367
2018	Mamba 35 TF RDS	26" 297	26.5" 302	27" 307	27.5" 312	28" 317	28.5" 322	29" 327	29.5" 332	30" 337	30.5" 342	31" 347		
2018	Mamba 38 TF RDS	27" 302	27.5" 307	28" 312	28.5" 317	29" 322	29.5" 327	30" 332	30.5" 337	31" 342	31.5" 347	32" 352		
2017	Mamba 34 TF	25.5" 307	26" 312	26.5" 317	27" 322	27.5" 327	28" 332	28.5" 337	29" 342	29.5" 347	30" 352	30.5" 357	31" 362	
2017	Mamba 36 RDS	26.5" 305	27" 310	27.5" 315	28" 320	28.5" 325	29" 330	29.5" 335	30" 340	30.5" 345	31" 350	31.5" 355	32" 360	
2017	Mamba 38 RDS	27" 300	27.5" 305	28" 310	28.5" 315	29" 320	29.5" 325	30" 330	30.5" 335	31" 340	31.5" 345	32" 350		
2016	Mamba 32 TF	25" 300	25.5" 305	26" 310	26.5" 315	27" 320	27.5" 325	28" 330	28.5" 335	29" 340	29.5" 345	30" 350	30.5" 355	
2016	Mamba Air TF	24.5" 290	25" 295	25.5" 300	26" 305	26.5" 310	27" 315	27.5" 320	28" 325	28.5" 330	29" 335	29.5" 340	30" 345	
2016	Mamba M36	26.5" 308	27" 313	27.5" 318	28" 323	28.5" 328	29" 333	29.5" 338	30" 343	30.5" 348	31" 353	31.5" 358	32" 363	
2015	King Cobra TF	24" 307	24.5" 312	25" 317	25.5" 322	26" 327	26.5" 332	27" 337	27.5" 342	28" 347	28.5" 352	29" 357	29.5" 362	30" 367
2015	Mamba X36	27" 305	27.5" 310	28" 315	28.5" 320	29" 325	29.5" 330	30" 335	30.5" 340	31" 345	31.5" 350	32" 355	32.5" 360	
2015	Mamba X39	27" 304	27.5" 309	28" 314	28.5" 319	29" 324	29.5" 329	30" 334	30.5" 339	31" 344	31.5" 349	32" 354	32.5" 359	
2014	Mamba Air	25" 288	25.5" 293	26" 298	26.5" 303	27" 308	27.5" 313	28" 318	28.5" 323	29" 328	29.5" 333	30" 338		
2014	Mamba M34	26" 293	26.5" 298	27" 303	27.5" 308	28" 313	28.5" 318	29" 323	29.5" 328	30" 333	30.5" 338	31" 343	31.5" 348	32" 353
2014	Mamba T39	27" 304	27.5" 309	28" 314	28.5" 319	29" 324	29.5" 329	30" 334	30.5" 339	31" 344	31.5" 349	32" 354	32.5" 359	
2014	Mamba X7	27" 305	27.5" 310	28" 315	28.5" 320	29" 325	29.5" 330	30" 335	30.5" 340	31" 345	31.5" 350	32" 355	32.5" 360	
2013	Mamba M5	23" 295	23.5" 300	24" 305	24.5" 310	25" 315	25.5" 320	26" 325	26.5" 330	27" 335	27.5" 340	28" 345		
2012	Mamba M6	24" 294	24.5" 299	25" 304	25.5" 309	26" 314	26.5" 319	27" 324	27.5" 329	28" 334	28.5" 339	29" 344	29.5" 349	30" 354
2012	Mamba XL39	27" 302	27.5" 307	28" 312	28.5" 317	29" 322	29.5" 327	30" 332	30.5" 337	31" 342	31.5" 347	32" 352	32.5" 357	33" 362
2012	Mamba XLR36	26.5" 302	27" 307	27.5" 312	28" 317	28.5" 322	29" 327	29.5" 332	30" 337	30.5" 342	31" 347	31.5" 352	32" 357	32.5" 362
2012	Sidewinder He2	25.5" 281	26" 286	26.5" 291	27" 296	27.5" 301	28" 306	28.5" 311	29" 316	29.5" 321	30" 326	30.5" 331	31" 336	31.5" 341
2011	King Cobra He	24" 298	24.5" 303	25" 308	25.5" 313	26" 318	26.5" 323	27" 328	27.5" 333	28" 338	28.5" 343	29" 348	29.5" 353	30" 358
2011	Mamba M7	25" 293	25.5" 298	26" 303	26.5" 308	27" 313	27.5" 318	28" 323	28.5" 328	29" 333	29.5" 338	30" 343	30.5" 348	31" 353
2011	Mamba XL36	26.5" 302	27" 307	27.5" 312	28" 317	28.5" 322	29" 327	29.5" 332	30" 337	30.5" 342	31" 347	31.5" 352	32" 357	32.5" 362
2010	Bik. Mamba 6.5	24.5" 290	25" 295	25.5" 300	26" 305	26.5" 310	27" 315	27.5" 320	28" 325	28.5" 330	29" 335	29.5" 340	30" 345	30.5" 350
2010	Bik. Mamba 7.5	25.5" 290	26" 295	26.5" 300	27" 305	27.5" 310	28" 315	28.5" 320	29" 325	29.5" 330	30" 335	30.5" 340	31" 345	31.5" 350
2010	Bik.Mamba XL 7.0	26.5" 300	27" 305	27.5" 310	28" 315	28.5" 320	29" 325	29.5" 330	30" 335	30.5" 340	31" 345	31.5" 350	32" 355	32.5" 360
2009	Bik. Mamba MX1	25" 299	25.5" 304	26" 309	26.5" 314	27" 319	27.5" 324	28" 329	28.5" 334	29" 339	29.5" 344	30" 349		
2009	Bik. Mamba MX2	25.5" 290	26" 295	26.5" 300	27" 305	27.5" 310	28" 315	28.5" 320	29" 325	29.5" 330	30" 335	30.5" 340	31" 345	31.5" 350
2009	King Cobra	24" 298	24.5" 303	25" 308	25.5" 313	26" 318	26.5" 323	27" 328	27.5" 333	28" 338	28.5" 343	29" 348	29.5" 353	30" 358



**2009- 2019 APA INNOVATIONS INC. SINGLE CAM VENOM V2 CAM MOD SHEET**

80% Let off		SHORT MOD						SHORT/LONG			LONG					
Year	Compound Bow	A	A.5	B	B.5	C	C.5	D	D.5	E	E.5	F	F.5	G	G.5	H
2019	Viper Micro	23.5" 252	24" 257	24.5" 262	25" 267	25.5" 272	26" 277	26.5" 282	27" 287	27.5" 292	28" 297	28.5" 302	29" 307	29.5" 312	30" 317	30.5" 322
2019	Viper 30 TF	23.5" 264	24" 269	24.5" 274	25" 279	25.5" 284	26" 289	26.5" 294	27" 299	27.5" 304	28" 309	28.5" 314	29" 319	29.5" 324	30" 329	30.5" 334
2018	Viper Air TF	23.5" 255	24" 260	24.5" 265	25" 270	25.5" 275	26" 280	26.5" 285	27" 290	27.5" 295	28" 300	28.5" 305	29" 310	29.5" 315	30" 320	30.5" 325
2018	Viper Nano TF	23.5" 262	24" 267	24.5" 272	25" 277	25.5" 282	26" 287	26.5" 292	27" 297	27.5" 302	28" 307	28.5" 312	29" 317	29.5" 320	30" 327	30.5" 332
2018	Vipera KJ	23.5" 252	24" 257	24.5" 262	25" 267	25.5" 272	26" 277	26.5" 282	27" 287	27.5" 292	28" 297	28.5" 302	29" 307	29.5" 312	30" 317	30.5" 322
2017	Viper Venom	23.5" 250	24" 255	24.5" 260	25" 265	25.5" 270	26" 275	26.5" 280	27" 285	27.5" 290	28" 295	28.5" 300	29" 305	29.5" 310	30" 315	30.5" 320
2016	Diamondback	23.5" 250	24" 255	24.5" 260	25" 265	25.5" 270	26" 275	26.5" 280	27" 285	27.5" 290	28" 295	28.5" 300	29" 305	29.5" 310	30" 315	30.5" 320
2016	Diamondback LT	23" 245	23.5" 250	24" 255	24.5" 260	25" 265	25.5" 270	26" 275	26.5" 280	27" 285	27.5" 290	28" 295	28.5" 300	29" 305	29.5" 310	30" 315
2015	Copperhead 1	23.5" 252	24" 257	24.5" 262	25" 267	25.5" 272	26" 277	26.5" 282	27" 287	27.5" 292	28" 297	28.5" 302	29" 307	29.5" 312	30" 317	30.5" 322
2015	Copperhead LT1	23" 245	23.5" 250	24" 255	24.5" 260	25" 265	25.5" 270	26" 275	26.5" 280	27" 285	27.5" 290	28" 295	28.5" 300	29" 305	29.5" 310	30" 315
2014	Viper Air	23" 250	23.5" 255	24" 260	24.5" 265	25" 270	25.5" 275	26" 280	26.5" 285	27" 290	27.5" 295	28" 300	28.5" 305	29" 310	29.5" 315	30" 320
2014	Viper T39	25.5" 277	26" 282	26.5" 287	27" 292	27.5" 298	28" 302	28.5" 307	29" 312	29.5" 317	30" 322	30.5" 327	31" 332	31.5" 337	32" 342	32.5" 347
2014	Viper X7	25" 272	25.5" 277	26" 282	26.5" 287	27" 292	27.5" 297	28" 302	28.5" 307	29" 312	29.5" 317	30" 322	30.5" 327	31" 332	31.5" 337	32" 342
2013	Viper Nano	23.5" 262	24" 267	24.5" 272	25" 277	25.5" 282	26" 287	26.5" 292	27" 297	27.5" 302	28" 307	28.5" 312	29" 317	29.5" 322	30" 327	30.5" 332
2013	Viper X8	25.5" 267	26" 272	26.5" 277	27" 282	27.5" 287	28" 292	28.5" 297	29" 302	29.5" 307	30" 312	30.5" 317	31" 322	31.5" 327	32" 332	32.5" 337
2012	Sidewinder He1	23.5" 250	24" 255	24.5" 260	25" 265	25.5" 270	26" 275	26.5" 280	27" 285	27.5" 290	28" 295	28.5" 300	29" 305	29.5" 310	30" 315	30.5" 320
2012	Viper XL39	26" 275	26.5" 280	27" 285	27.5" 290	28" 295	28.5" 300	29" 305	29.5" 310	30" 315	30.5" 320	31" 325	31.5" 330	32" 335	32.5" 340	33" 345
2012	Viper XLR35	25" 270	25.5" 275	26" 280	26.5" 285	27" 290	27.5" 295	28" 300	28.5" 305	29" 310	29.5" 315	30" 320	30.5" 325	31" 330	31.5" 335	32" 340
2011	Sidewinder	24" 252	24.5" 257	25" 262	25.5" 267	26" 272	26.5" 277	27" 282	27.5" 287	28" 292	28.5" 297	29" 302	29.5" 307	30" 312	30.5" 317	31" 322
2011	Viper V7	23.5" 264	24" 269	24.5" 274	25" 279	25.5" 284	26" 289	26.5" 292	27" 299	27.5" 304	28" 309	28.5" 314	29" 319	29.5" 324	30" 329	30.5" 334
2011	Viper XL 35	25" 270	25.5" 275	26" 280	26.5" 285	27" 290	27.5" 295	28" 300	28.5" 305	29" 310	29.5" 315	30" 320	30.5" 325	31" 330	31.5" 335	32" 340
2010	Pit Viper	23" 260	23.5" 265	24" 270	24.5" 275	25" 280	25.5" 285	26" 290	26.5" 295	27" 300	27.5" 305	28" 310	28.5" 315	29" 320	29.5" 325	30" 330
2010	Viper XL	24.5" 267	25" 272	25.5" 277	26" 282	26.5" 287	27" 292	27.5" 297	28" 302	28.5" 307	29" 312	29.5" 317	30" 322	30.5" 327	31" 332	31.5" 337
2009	Viper	24" 259	24.5" 264	25" 269	25.5" 274	26" 279	26.5" 284	27" 289	27.5" 294	28" 299	28.5" 304	29" 309	29.5" 314	30" 319	30.5" 324	31" 329



**2013- 2019 APA INNOVATIONS INC YR CAM MOD SHEET**

Speeds Tested @ 5 Gr/lbs & 70% Lett Off @ 60lbs

Year	Compound Bow	#16	#17	#18	#19	#20	#21	#22	#23	#24	#25	#26	#27	#28
2019	Rattler TF	16"	17"	18"	19"	20"	21"	22"	23"	24"	25"	26"	27"	28" 292
2016	Diamondback Micro	16"	17"	18"	19"	20"	21"	22"	23"	24"	25"	26"	27"	28" 292
2015	Copperhead Jr	16"	17"	18"	19"	20"	21"	22"	23"	24"	25"	26"	27"	28" 292
2013	Rattler	16"	17"	18"	19"	20"	21"	22"	23"	24"	25"	26"	27"	28" 292



**APA INNOVATIONS INC VT DUAL CAM MOD SHEET**

Speeds Tested @ 5 Gr/lbs + 70% Lett Off

Year	Compound Bow	#0	#0.5	#1	#1.5	#2	#2.5	#3	#3.5	#4	#4.5	#5	#5.5
2009	<b>Blk.Mamba XL</b>	27" 293	27.5" 298	28" 303	28.5" 308	29" 313	29.5" 318	30" 323	30.5" 328	31" 333	31.5" 338	32" 343	
2008	<b>Blk. Mamba X1</b>	24.5" 295	25" 300	25.5" 305	26" 310	26.5" 315	27" 320	27.5" 325	28" 330	28.5" 335	29" 340	29.5" 345	30" 350
2007	<b>Anaconda VT</b>	27" 275	27.5" 280	28" 285	28.5" 290	29" 295	29.5" 300	30" 310	30.5" 315	31" 320	31.5" 325	32" 330	
2007	<b>Blk Mamba X2</b>	25" 288	25.5" 293	26" 298	26.5" 303	27" 308	27.5" 313	28" 318	28.5" 323	29" 328	29.5" 333	30" 338	
2006	<b>Blk Mamba Xtreme</b>	25" 295	25.5" 300	26" 305	26.5" 310	27" 315	27.5" 320	28" 325	28.5" 330	29" 335	29.5" 340	30" 345	

**APA INNOVATIONS INC DC DUAL CAM MOD SHEET**

Speeds Tested @ 5 Gr/lbs + 65% Lett Off

Year	Compound Bow	#1	#1.5	#2	#2.5	#3	#3.5	#4	#4.5	#5	#5.5	#6
2006	<b>Anaconda</b>	28" 290	28.5" 295	29" 300	29.5" 305	30" 310	30.5" 315	31" 320	31.5" 325	32" 330		
2005	<b>Blk Mamba</b>	26" 300	26.5" 305	27" 310	27.5" 315	28" 320	28.5" 325	29" 330	29.5" 335	30" 340		

**APA INNOVATIONS INC. SINGLE VENOM XP CAM MOD SHEET**

Speeds Tested @ 5 Gr/lbs + 80% Lett Off

Year	Compound Bow	A	B	C	D	E	F
2008	<b>Viper</b>	25" 264	26" 274	27" 284	28" 294	29" 304	30" 314
2007	<b>Python XP</b>	26" 265	27" 275	28" 285	29" 295	30" 305	31" 315
2007	<b>Suphan XP</b>	25" 272	26" 282	27" 292	28" 302	29" 312	30" 322
2007	<b>Taipan XP</b>	26" 258	27" 268	28" 278	29" 288	30" 298	31" 308
2006	<b>Python</b>	26" 280	27" 290	28" 300	29" 310	30" 320	
2006	<b>Suphan</b>	24" 270	25" 280	26" 290	27" 300	28" 310	
2005	<b>Taipan</b>	26" 275	27" 285	28" 295	29" 305	30" 315	
2008	<b>Boa</b>	25" 273	26" 283	27" 293	28" 303	29" 313	30" 323
2008	<b>Python X</b>	26" 271	27" 281	28" 291	29" 301	30" 311	31" 321