



APA INNOVATIONS INC. BOW SPECIFICATION SHEET

YEAR	COMPOUND BOW	AXLE TO AXLE	BRACE HEIGHT	POCKET TYPE	LIMB BOLT	CARBON ROD	STRING LENGTH	CABLE LENGTH	STRING DAMPENER	LIMB 40LBS	LIMB 50LBS	LIMB 60LBS	LIMB 70LBS	LIMB 80LBS	LIMB 90LBS
2020	King Cobra MT	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
2020	Mamba 28 MT	28"	7 1/8"	1.25 C	2 1/2"	5 3/4"	49 7/8"	29 3/8"	6 3/4"	13.5" - 50	13.5" - 60	13.5" - 70	13.5" - 81	13.5" - 92	
2020	Mamba 33 MT	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
2020	Viper 28 TF	27 1/2"	7 3/8"	1.25B	2 1/2"	5"	80 5/8"	30"	7"	13"- 54	13"- 68	13"-80	13"-92		
2020	Black Mamba 35	35"	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	
2020	Black Mamba 38	37 7/8"	6 7/8"	1.25" B	2 1/2"	6"	59 7/16"	39 1/8"	6 7/16"	14" - 42	14" - 52	14" - 62	14" - 74	14"- 84	
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 7/8"	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 1/8"	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		



APA BOW SPECS

YEAR	COMPOUND BOW	AXLE TO AXLE	BRACE HEIGHT	POCKET TYPE	LIMB BOLT	CARBON ROD	STRING LENGTH	CABLE LENGTH	STRING DAMPENER	LIMB 40LBS	LIMB 50LBS	LIMB 60LBS	LIMB 70LBS	LIMB 80LBS	LIMB 90LBS
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		
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		



YEAR	COMPOUND BOW	AXLE TO AXLE	BRACE HEIGHT	POCKET TYPE	LIMB BOLT	CARBON ROD	STRING LENGTH	CABLE LENGTH	STRING DAMPENER	LIMB 40LBS	LIMB 50LBS	LIMB 60LBS	LIMB 70LBS	LIMB 80LBS	LIMB 90LBS
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	
2006	Anaconda DC.	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	Blk Mamba Xtreme	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	Python	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	Suphan	33 3/8"	6 1/2"	A	2"	6 3/4"	92"	36"	5 7/8"		13" - 60	13" - 73	13" - 88		
2005	Blk Mamba	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	Taipan	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	



APA INNOVATIONS INC
M1/MX/BM DUAL CAM MOD DRAWLENGTH CHART

Speeds Tested @ 5 Gr/lbs

Year	Compound Bow	IBO	#1	#1.5	#2	#2.5	#3	#3.5	#4	#4.5	#5	#5.5	#6	#6.5	#7
2020	Black Mamba 35	345	26"	26.5"	27"	27.5"	28"	28.5"	29"	29.5"	30"	30.5"	31"	31.5"	32"
2020	Black Mamba 38	340	27"	27.5"	28"	28.5"	29"	29.5"	30"	30.5"	31"	31.5"	32"	32.5"	33"
2020	Mamba 33 MT	353	25.5"	26"	26.5"	27"	27.5"	28"	28.5"	29"	29.5"	30"	30.5"	31"	31.5"
2020	Mamba 28 MT	350	24.5"	25"	25.5"	26"	26.5"	27"	27.5"	28"	28.5"	29"	29.5"	30"	30.5"
2020	King Cobra MT	370	24"	24.5"	25"	25.5"	26"	26.5"	27"	27.5"	28"	28.5"	29"	29.5"	30"
2019	Mamba 38 XR	335	27"	27.5"	28"	28.5"	29"	29.5"	30"	30.5"	31"	31.5"	32"	32.5"	33"
2019	Mamba 35 XR	340	26"	26.5"	27"	27.5"	28"	28.5"	29"	29.5"	30"	30.5"	31"	31.5"	32"
2019	Mamba 28 XR	350	24.5"	25"	25.5"	26"	26.5"	27"	27.5"	28"	28.5"	29"	29.5"	30"	30.5"
2019	Mamba 33 XR	353	25.5"	26"	26.5"	27"	27.5"	28"	28.5"	29"	29.5"	30"	30.5"	31"	31.5"
2019	King Cobra XR	370	24"	24.5"	25"	25.5"	26"	26.5"	27"	27.5"	28"	28.5"	29"	29.5"	30"
2018	King Cobra TF2	370	24"	24.5"	25"	25.5"	26"	26.5"	27"	27.5"	28"	28.5"	29"	29.5"	30"
2018	Mamba 35 TF RDS	340	26"	26.5"	27"	27.5"	28"	28.5"	29"	29.5"	30"	30.5"	31"		
2018	Mamba 38 TF RDS	335	27"	27.5"	28"	28.5"	29"	29.5"	30"	30.5"	31"	31.5"	32"		
2017	Mamba 34 TF	355	25.5"	26"	26.5"	27"	27.5"	28"	28.5"	29"	29.5"	30"	30.5"	31"	
2017	Mamba 36 RDS	343	26.5"	27"	27.5"	28"	28.5"	29"	29.5"	30"	30.5"	31"	31.5"	32"	
2017	Mamba 38 RDS	333	27"	27.5"	28"	28.5"	29"	29.5"	30"	30.5"	31"	31.5"	32"	32.5"	33"
2016	Mamba 32 TF	353	25"	25.5"	26"	26.5"	27"	27.5"	28"	28.5"	29"	29.5"	30"	30.5"	
2016	Mamba Air TF	348	24.5"	25"	25.5"	26"	26.5"	27"	27.5"	28"	28.5"	29"	29.5"	30"	
2016	Mamba M36	346	26.5"	27"	27.5"	28"	28.5"	29"	29.5"	30"	30.5"	31"	31.5"	32"	
2015	King Cobra TF	370	24"	24.5"	25"	25.5"	26"	26.5"	27"	27.5"	28"	28.5"	29"	29.5"	30"
2015	Mamba X36	338	27"	27.5"	28"	28.5"	29"	29.5"	30"	30.5"	31"	31.5"	32"	32.5"	
2015	Mamba X39	337	27"	27.5"	28"	28.5"	29"	29.5"	30"	30.5"	31"	31.5"	32"	32.5"	
2014	Mamba Air	341	25"	25.5"	26"	26.5"	27"	27.5"	28"	28.5"	29"	29.5"	30"		
2014	Mamba M34	336	26"	26.5"	27"	27.5"	28"	28.5"	29"	29.5"	30"	30.5"	31"	31.5"	32"
2014	Mamba T39	337	27"	27.5"	28"	28.5"	29"	29.5"	30"	30.5"	31"	31.5"	32"	32.5"	
2014	Mamba X7	338	27"	27.5"	28"	28.5"	29"	29.5"	30"	30.5"	31"	31.5"	32"	32.5"	
2013	Mamba M5	348 @28	23"	23.5"	24"	24.5"	25"	25.5"	26"	26.5"	27"	27.5"	28"		
2012	Mamba M6	357	24"	24.5"	25"	25.5"	26"	26.5"	27"	27.5"	28"	28.5"	29"	29.5"	30"
2012	Mamba XL39	335	27"	27.5"	28"	28.5"	29"	29.5"	30"	30.5"	31"	31.5"	32"	32.5"	33"
2012	Mamba XLR36	340	26.5"	27"	27.5"	28"	28.5"	29"	29.5"	30"	30.5"	31"	31.5"	32"	32.5"
2012	Sidewinder He2	329	25.5"	26"	26.5"	27"	27.5"	28"	28.5"	29"	29.5"	30"	30.5"	31"	31.5"
2011	King Cobra He	361	24"	24.5"	25"	25.5"	26"	26.5"	27"	27.5"	28"	28.5"	29"	29.5"	30"
2011	Mamba M7	346	25"	25.5"	26"	26.5"	27"	27.5"	28"	28.5"	29"	29.5"	30"	30.5"	31"
2011	Mamba XL36	340	26.5"	27"	27.5"	28"	28.5"	29"	29.5"	30"	30.5"	31"	31.5"	32"	32.5"
2010	Blk. Mamba 6.5	348	24.5"	25"	25.5"	26"	26.5"	27"	27.5"	28"	28.5"	29"	29.5"	30"	30.5"



APA INNOVATIONS INC
M1/MX/BM DUAL CAM MOD DRAWLENGTH CHART

Speeds Tested @ 5 Gr/lbs

Year	Compound Bow	IBO	#1	#1.5	#2	#2.5	#3	#3.5	#4	#4.5	#5	#5.5	#6	#6.5	#7
2010	Bik. Mamba 7.5	338	25.5"	26"	26.5"	27"	27.5"	28"	28.5"	29"	29.5"	30"	30.5"	31"	31.5"
2010	Bik. Mamba XL 7.0	338	26.5"	27"	27.5"	28"	28.5"	29"	29.5"	30"	30.5"	31"	31.5"	32"	32.5"
2009	Bik. Mamba MX1	352	25"	25.5"	26"	26.5"	27"	27.5"	28"	28.5"	29"	31"	30"		
2009	Bik. Mamba MX2	338	25.5"	26"	26.5"	27"	27.5"	28"	28.5"	29"	29.5"	31"	30.5"	31" 345	31.5"
2009	King Cobra	361	24"	24.5"	25"	25.5"	26"	26.5"	27"	27.5"	28"	31"	29"	29.5"	30"



APA INNOVATIONS INC.
SINGLE CAM VENOM V2 MOD DRAWLENGTH CHART

80% Let off			SHORT MOD						SHORT/LONG			LONG MOD					
Year	Compound Bow	IBO	A	A.5	B	B.5	C	C.5	D	D.5	E	E.5	F	F.5	G	G.5	H
2020	Viper 28 TF	325	23.5"	24"	24.5"	25"	25.5"	26"	26.5"	27"	27.5"	28"	28.5"	29"	29.5"	30"	30.5"
2019	Viper Micro	320	23.5"	24"	24.5"	25"	25.5"	26"	26.5"	27"	27.5"	28"	28.5"	29"	29.5"	30"	30.5"
2019	Viper 30 TF	332	23.5"	24"	24.5"	25"	25.5"	26"	26.5"	27"	27.5"	28"	28.5"	29"	29.5"	30"	30.5"
2018	Viper Air TF	323	23.5"	24"	24.5"	25"	25.5"	26"	26.5"	27"	27.5"	28"	28.5"	29"	29.5"	30"	30.5"
2018	Viper Nano TF	330	23.5"	24"	24.5"	25"	25.5"	26"	26.5"	27"	27.5"	28"	28.5"	29"	29.5"	30"	30.5"
2018	Vipera KJ	320	23.5"	24"	24.5"	25"	25.5"	26"	26.5"	27"	27.5"	28"	28.5"	29"	29.5"	30"	30.5"
2017	Viper Venom	318	23.5"	24"	24.5"	25"	25.5"	26"	26.5"	27"	27.5"	28"	28.5"	29"	29.5"	30"	30.5"
2016	Diamondback	318	23.5"	24"	24.5"	25"	25.5"	26"	26.5"	27"	27.5"	28"	28.5"	29"	29.5"	30"	30.5"
2016	Diamondback LT	313	23"	23.5"	24"	24.5"	25"	25.5"	26"	26.5"	27"	27.5"	28"	28.5"	29"	29.5"	30"
2015	Copperhead 1	320	23.5"	24"	24.5"	25"	25.5"	26"	26.5"	27"	27.5"	28"	28.5"	29"	29.5"	30"	30.5"
2015	Copperhead LT1	318	23"	23.5"	24"	24.5"	25"	25.5"	26"	26.5"	27"	27.5"	28"	28.5"	29"	29.5"	30"
2014	Viper Air	323	23"	23.5"	24"	24.5"	25"	25.5"	26"	26.5"	27"	27.5"	28"	28.5"	29"	29.5"	30"
2014	Viper T39	325	25.5"	26"	26.5"	27"	27.5"	28"	28.5"	29"	29.5"	30"	30.5"	31"	31.5"	32"	32.5"
2014	Viper X7	325	25"	25.5"	26"	26.5"	27"	27.5"	28"	28.5"	29"	29.5"	30"	30.5"	31"	31.5"	32"
2013	Viper Nano	330	23.5"	24"	24.5"	25"	25.5"	26"	26.5"	27"	27.5"	28"	28.5"	29"	29.5"	30"	30.5"
2013	Viper X8	315	25.5"	26"	26.5"	27"	27.5"	28"	28.5"	29"	29.5"	30"	30.5"	31"	31.5"	32"	32.5"
2012	Sidewinder He1	318	23.5"	24"	24.5"	25"	25.5"	26"	26.5"	27"	27.5"	28"	28.5"	29"	29.5"	30"	30.5"
2012	Viper XL39	318	26"	26.5"	27"	27.5"	28"	28.5"	29"	29.5"	30"	30.5"	31"	31.5"	32"	32.5"	33"
2012	Viper XLR35	323	25"	25.5"	26"	26.5"	27"	27.5"	28"	28.5"	29"	29.5"	30"	30.5"	31"	31.5"	32"
2011	Sidewinder	315	24"	24.5"	25"	25.5"	26"	26.5"	27"	27.5"	28"	28.5"	29"	29.5"	30"	30.5"	31"
2011	Viper V7	332	23.5"	24"	24.5"	25"	25.5"	26"	26.5"	27"	27.5"	28"	28.5"	29"	29.5"	30"	30.5"
2011	Viper XL 35	323	25"	25.5"	26"	26.5"	27"	27.5"	28"	28.5"	29"	29.5"	30"	30.5"	31"	31.5"	32"
2010	Pit Viper	333	23"	23.5"	24"	24.5"	25"	25.5"	26"	26.5"	27"	27.5"	28"	28.5"	29"	29.5"	30"
2010	Viper XL	325	24.5"	25"	25.5"	26"	26.5"	27"	27.5"	28"	28.5"	29"	29.5"	30"	30.5"	31"	31.5"
2009	Viper	322	24"	24.5"	25"	25.5"	26"	26.5"	27"	27.5"	28"	28.5"	29"	29.5"	30"	30.5"	31"



APA INNOVATIONS INC.

VT DUAL CAM MOD SHEET

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

Year	Compound Bow	IBO	#0	#0.5	#1	#1.5	#2	#2.5	#3	#3.5	#4	#4.5	#5	#5.5
2009	Blk.Mamba XL	322	27"	27.5"	28"	28.5"	29"	29.5"	30"	30.5"	31"	31.5"	32"	
2008	Blk. Mamba X1	350	24.5"	25"	25.5"	26"	26.5"	27"	27.5"	28"	28.5"	29"	29.5"	30"
2007	Anaconda VT	311	27"	27.5"	28"	28.5"	29"	29.5"	30"	30.5"	31"	31.5"	32"	
2007	Blk Mamba X2	338	25"	25.5"	26"	26.5"	27"	27.5"	28"	28.5"	29"	29.5"	30"	
2006	Blk Mamba Xtreme	345	25"	25.5"	26"	26.5"	27"	27.5"	28"	28.5"	29"	29.5"	30"	

DC DUAL CAM MOD SHEET

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

Year	Compound Bow	IBO	#1	#1.5	#2	#2.5	#3	#3.5	#4	#4.5	#5	#5.5	#6
2006	Anaconda	310	28"	28.5"	29"	29.5"	30"	30.5"	31"	31.5"	32"		
2005	Blk Mamba	340	26"	26.5"	27"	27.5"	28"	28.5"	29"	29.5"	30"		

YR DUAL CAM MOD SHEET

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

Year	Compound Bow	IBO @ 28"	#16	#17	#18	#19	#20	#21	#22	#23	#24	#25	#26	#27	#28
2019	Rattler TF	295	16"	17"	18"	19"	20"	21"	22"	23"	24"	25"	26"	27"	28"
2016	Diamondback Micro	295	"	"	"	"	"	"	"	"	"	"	"	"	"
2015	Copperhead Jr	295	"	"	"	"	"	"	"	"	"	"	"	"	"
2013	Rattler	295	"	"	"	"	"	"	"	"	"	"	"	"	"

SINGLE VENOM XP CAM MOD SHEET

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

Year	Compound Bow	IBO	A	B	C	D	E	F
2008	Viper	314	25"	26"	27"	28"	29"	30"
2007	Python XP	305	26"	27"	28"	29"	30"	31"
2007	Suphan XP	322	25"	26"	27"	28"	29"	30"
2007	Taipan XP	298	26"	27"	28"	29"	30"	31"
2006	Python	320	26"	27"	28"	29"	30"	
2006	Suphan	310 @28"	24"	25"	26"	27"	28"	
2005	Taipan	315	26"	27"	28"	29"	30"	
2008	Boa	322	25"	26"	27"	28"	29"	30"
2008	Python X	311	26"	27"	28"	29"	30"	31"