

**WORLD CROSSBOW SHOOTING ASSOCIATION  
SPORT BOW SURVEY**

MAKER	MODEL	DIVISION	TYPE	DRAW lb	Bolt Data				Kinetic Energy		Momentum		Survey Year	
					Speed		Mass		ft lb	Joule	lb f/s	N s	Last	Latest
					fps	m/s	grains	gram						
ANGLO ARMS	Jaguar	S	R	175	245	74.7	<i>350</i>	22.68	46.66	63.23	0.38	1.69		2016
ANGLO ARMS	Panther	S	R	175	245	74.7	350	22.68	46.66	63.23	0.38	1.69		2016
ANGLO ARMS	Legend	F	C	175	360	109.7	350	22.68	100.75	136.51	0.56	2.49		2016
ARMEX	Commando	S	R	120	185	56.4	350	22.68	26.61	36.05	0.29	1.28	2014	2016
ARMEX	Firecat	S	R	150	210	64.0	350	22.68	34.28	46.45	0.33	1.45	2014	2016
ARMEX	Jaguar	S	R	150	210	64.0	350	22.68	34.28	46.45	0.33	1.45	2014	
ARMEX	Marauder	S	C	150	242	73.8	350	22.68	45.53	61.69	0.38	1.67	2014	2016
ARMEX	Jaguar	S	R	175	245	74.7	400	25.92	53.33	72.26	0.44	1.94	2014	
ARMEX	Sniper	S	C	150	285	86.9	350	22.68	63.14	85.56	0.45	1.97	2014	2016
ARMEX	Titan	S	C	200	280	85.3	400	25.92	69.65	94.38	0.50	2.21	2014	2016
ARMEX	Cheetah Quatro 315	F	C	185	315	96.0	400	25.92	88.15	119.45	0.56	2.49	2014	
ARMEX	Quatro	F	C	185	315	96.0	400	25.92	88.15	119.45	0.56	2.49	2014	2016
ARMEX	Desert Hawk	F	R	225	330	100.6	400	25.92	96.75	131.09	0.59	2.61	2014	2016
BARNETT	Penetrator	S	C	175	380	115.8	311.80	20.20	100.00	135.50	0.53	2.34	2014	
BARNETT	BCR	S	R	150	245	74.7	487.56	31.59	65.00	88.08	0.53	2.36	2014	
BARNETT	Panzer V	S	R	150	245	74.7	488	31.62	65.06	88.16	0.53	2.36	2014	
BARNETT	Recruit Compound	S	C	130	300	91.4	400.21	25.93	80.00	108.40	0.54	2.37	2014	
BARNETT	Recruit Recurve	F	R	120	360	109.7	347.41	22.51	100.00	135.50	0.56	2.47	2014	
BARNETT	RC - 150	F	C	150	260	79.2	499.53	32.37	75.00	101.63	0.58	2.57	2014	
BARNETT	BC Raptor	F	RC	150	330	100.6	400	25.92	96.75	131.09	0.59	2.61		2016
BARNETT	Raptor FX2	F	C	150	330	100.6	400	25.92	96.75	131.09	0.59	2.61		2016
BARNETT	Lady Raptor	F	C	150	330	100.6	401.04	25.99	97.00	131.44	0.59	2.61	2014	
BARNETT	Raptor EX	F	C	150	330	100.6	401.04	25.99	97.00	131.44	0.59	2.61	2014	
BARNETT	Whitetail Hunter	F	C	160	340	103.6	400	25.92	102.70	139.16	0.61	2.69		2016
BARNETT	Droptine	F	C	160	350	106.7	400	25.92	108.83	147.47	0.63	2.77		2016
BARNETT	Brotherhood	F	C	160	350	106.7	400.62	25.96	109.00	147.70	0.63	2.77	2014	
BARNETT	Ghost 360	F	C	165	360	109.7	399.52	25.89	115.00	155.83	0.64	2.84	2014	2016
BARNETT	BCX Extreme	F	C	185	365	111.3	398.79	25.84	118.00	159.89	0.65	2.87	2014	
BARNETT	BCX Xtreme Ultralite	F	C	185	365	111.3	400	25.92	118.36	160.38	0.65	2.88		2016
BARNETT	Vengeance	F	RC	140	365	111.3	400	25.92	118.36	160.38	0.65	2.88		2016
BARNETT	Zombie CRT	F	C	175	350	106.7	425	27.54	115.63	156.68	0.66	2.94	2014	
BARNETT	Jackal	F	C	150	315	96.0	476.44	30.87	105.00	142.28	0.67	2.96	2014	
BARNETT	RAZR Ice	F	C	185	380	115.8	400	25.92	128.29	173.83	0.68	3.00		2016
BARNETT	Ghost 385	F	C	185	385	117.3	400.00	25.92	132.00	178.86	0.69	3.04	2014	2016
BARNETT	Buck Commander	F	C	175	365	111.3	425	27.54	125.76	170.40	0.69	3.06	2014	
BARNETT	Vengeance	F	C	165	365	111.3	425	27.54	125.76	170.40	0.69	3.06	2014	
BARNETT	Quad 400	F	C	150	345	105.2	461.49	29.90	122.00	165.31	0.71	3.14	2014	
BARNETT	Predator	F	C	175	375	114.3	425	27.54	132.74	179.87	0.71	3.15	2014	
BARNETT	Razr	F	C	185	400	121.9	400.00	25.92	142.00	192.41	0.71	3.16	2014	2016

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MAKER	MODEL	DIVISION	TYPE	DRAW lb	Bolt Data				Kinetic Energy		Momentum		Survey Year	
					Speed		Mass		ft lb	Joule	lb f/s	N s	Last	Latest
					fps	m/s	grains	gram						
BARNETT	Wildcat CV	F	C	150	320	97.5	501.24	32.48	114.00	154.47	0.72	3.17	2014	
BARNETT	Ghost 410	F	C	185	410	125.0	400.00	25.92	149.00	201.90	0.73	3.24	2014	2016
BARNETT	Ghost 350	F	C	175	350	106.7	470.45	30.49	128.00	173.44	0.74	3.25	2014	
BARNETT	Ghost 400	NP	C	185	400	121.9	425	27.54	151.03	204.65	0.76	3.36	2014	
BARNETT	Ghost 415 Revenant	NP	C	185	515	157.0	400	25.92	235.63	319.28	0.92	4.07		2016
BEAR	Fortus	S	C	?	350	106.7	350	22.68	95.23	129.03	0.55	2.42		2016
BEAR	Bruzer FFC	F	RC	?	335	102.1	400	25.92	99.70	135.10	0.60	2.65		2016
BEAR	Torrix FFC	F	RC	125	335	102.1	400	25.92	99.70	135.10	0.60	2.65		2016
BEAR	Fisix FFC	F	RC	135	375	114.3	400	25.92	124.93	169.28	0.67	2.96		2016
BROWNING	One Six One	F	C	135	350	106.7	400	25.92	108.83	147.47	0.63	2.77		2016
BROWNING	One Six Two	F	C	145	370	112.8	400	25.92	121.62	164.80	0.66	2.92		2016
CAMX	Chaos 325	F	C	175	325	99.1	409.21	26.52	96.00	130.08	0.59	2.63	2014	
CAMX	X330	F	C	NS	330	100.6	410	26.57	99.17	134.37	0.60	2.67		2016
CARBON EXPRESS	X-Force Advantex	S	C	NS	315	96.0	380	24.62	83.75	113.47	0.53	2.36		2016
CARBON EXPRESS	X-Force 350	S	R	165	300	91.4	400	25.92	79.96	108.34	0.54	2.37	2014	
CARBON EXPRESS	X-Force 400	S	R	175	310	94.5	400	25.92	85.38	115.69	0.55	2.45	2014	
CARBON EXPRESS	Intercept	F	C	185	360	109.7	350	22.68	100.75	136.51	0.56	2.49	2014	
CARBON EXPRESS	Covert 3.4 models	F	C	NS	345	105.2	380	24.62	100.46	136.12	0.59	2.59		2016
CARBON EXPRESS	Covert CX1	F	C	185	330	100.6	400	25.92	96.75	131.09	0.59	2.61	2014	
CARBON EXPRESS	Covert CX-3SL+	F	C	NS	355	108.2	380	24.62	106.36	144.12	0.60	2.66		2016
CARBON EXPRESS	Intercept Axon LT	F	C	NS	360	109.7	380	24.62	109.38	148.21	0.61	2.70		2016
CARBON EXPRESS	Intercept Supercoil LT	F	C	NS	360	109.7	380	24.62	109.38	148.21	0.61	2.70		2016
CARBON EXPRESS	Covert CX-3	F	C	185	330	100.6	434.12	28.13	105.00	142.28	0.64	2.83	2014	
CARBON EXPRESS	Covert SLS	F	C	185	355	108.2	425	27.54	118.96	161.19	0.67	2.98	2014	
CARBON EXPRESS	Covert CX-3 SL	F	C	185	355	108.2	425.14	27.55	119.00	161.25	0.67	2.98	2014	
CARBON EXPRESS	Intercept Axon	F	C	175	360	109.7	423.84	27.46	122.00	165.31	0.68	3.01	2014	
CARBON EXPRESS	Intercept Supercoil	F	C	175	360	109.7	423.84	27.46	122.00	165.31	0.68	3.01	2014	
CARBON EXPRESS	Covert CX2	F	C	200	385	117.3	400	25.92	131.69	178.43	0.69	3.04	2014	
CROSMAN CENTREPOINT BOWS	XR 175	S	R	175	245	74.7	400	25.92	53.33	72.26	0.44	1.94		2016
CROSMAN CENTREPOINT BOWS	Sniper 370	F	C	185	370	112.8	400	25.92	121.62	164.80	0.66	2.92		2016
CROSMAN CENTREPOINT BOWS	Tormentor 370	F	C	185	370	112.8	400	25.92	121.62	164.80	0.66	2.92		2016
DARTON ARCHERY	Scorpion II	F	C	170	330	100.6	400	25.92	96.75	131.09	0.59	2.61		2016
DARTON ARCHERY	Rebel 135 SS	F	C	180	350	106.7	377.47	24.46	102.70	139.16	0.59	2.61	2014	
DARTON ARCHERY	Serpent	F	C	170	335	102.1	399.99	25.92	99.70	135.09	0.60	2.65	2014	
DARTON ARCHERY	Terminator II	F	C	165	340	103.6	400.00	25.92	102.70	139.16	0.61	2.69	2014	2016
DARTON ARCHERY	Terminator	F	C	168	340	103.6	400.00	25.92	102.70	139.16	0.61	2.69	2014	
DARTON ARCHERY	Viper SS	F	C	170	340	103.6	400.00	25.92	102.70	139.16	0.61	2.69	2014	2016
DARTON ARCHERY	Scorpion	F	C	170	335	102.1	412.03	26.70	102.70	139.16	0.62	2.73	2014	
DARTON ARCHERY	Toxin 135	F	C	180	350	106.7	400	25.92	108.83	147.47	0.63	2.77		2016
DARTON ARCHERY	Viper SS Extreme	F	C	180	360	109.7	399.87	25.91	115.10	155.96	0.64	2.84	2014	
DARTON ARCHERY	Toxin 150	F	C	180	380	115.8	400	25.92	128.29	173.83	0.68	3.00		2016

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					fps	m/s	grains	gram						
<b>DARTON ARCHERY</b>	<b>Fire Force</b>	F	C	185	400	121.9	399.87	25.91	142.10	192.55	0.71	3.16	2014	
<b>DARTON ARCHERY</b>	<b>Toxin 180</b>	F	C	185	400	121.9	400	25.92	142.15	192.61	0.71	3.16		2016
<b>EXCALIBUR</b>	<b>Apex</b>	S	R	90	200	61.0	170	11.02	15.10	20.46	0.15	0.67	2014	
<b>EXCALIBUR</b>	<b>MATRIX Sapphire</b>	S	R	305	200	61.0	350	22.68	31.09	42.13	0.31	1.38		2016
<b>EXCALIBUR</b>	<b>Vixen II</b>	S	R	150	285	86.9	325	21.06	58.63	79.45	0.41	1.83	2014	
<b>EXCALIBUR</b>	<b>MATRIX Cub</b>	S	R	190	285	86.9	350	22.68	63.14	85.56	0.45	1.97		2016
<b>EXCALIBUR</b>	<b>New Cub</b>	S	R	190	285	86.9	350	22.68	63.14	85.56	0.45	1.97	2014	
<b>EXCALIBUR</b>	<b>Axiom SMF</b>	S	R	175	305	93.0	350	22.68	72.31	97.99	0.48	2.11	2014	
<b>EXCALIBUR</b>	<b>Grizzly</b>	S	R	200	305	93.0	350	22.68	72.31	97.99	0.48	2.11	2014	
<b>EXCALIBUR</b>	<b>Ibex</b>	S	R	175	305	93.0	350	22.68	72.31	97.99	0.48	2.11	2014	
<b>EXCALIBUR</b>	<b>Ibex SMF</b>	S	R	175	305	93.0	350	22.68	72.31	97.99	0.48	2.11	2014	
<b>EXCALIBUR</b>	<b>MATRIX Grizzly</b>	S	R	200	305	93.0	350	22.68	72.31	97.99	0.48	2.11		2016
<b>EXCALIBUR</b>	<b>Phoenix</b>	S	R	175	305	93.0	350	22.68	72.31	97.99	0.48	2.11	2014	
<b>EXCALIBUR</b>	<b>MATRIX 310</b>	S	R	200	310	94.5	350	22.68	74.70	101.22	0.48	2.14	2014	2016
<b>EXCALIBUR</b>	<b>MICRO 315</b>	S	R	260	315	96.0	350	22.68	77.13	104.52	0.49	2.18		2016
<b>EXCALIBUR</b>	<b>Exocet 200</b>	S	R	200	330	100.6	350	22.68	84.65	114.71	0.52	2.28	2014	
<b>EXCALIBUR</b>	<b>MATRIX 330</b>	S	R	220	330	100.6	350	22.68	84.65	114.71	0.52	2.28		2016
<b>EXCALIBUR</b>	<b>Vortex</b>	S	R	200	330	100.6	350	22.68	84.65	114.71	0.52	2.28	2014	
<b>EXCALIBUR</b>	<b>Micro 335</b>	S	R	270	335	102.1	350	22.68	87.24	118.21	0.52	2.32	2014	2016
<b>EXCALIBUR</b>	<b>Micro 335 Nightmare</b>	S	R	270	335	102.1	350	22.68	87.24	118.21	0.52	2.32	2014	
<b>EXCALIBUR</b>	<b>Eclipse XT</b>	S	R	200	350	106.7	350	22.68	95.23	129.03	0.55	2.42	2014	
<b>EXCALIBUR</b>	<b>Equinox</b>	S	R	225	350	106.7	350	22.68	95.23	129.03	0.55	2.42	2014	
<b>EXCALIBUR</b>	<b>Exomax</b>	S	R	225	350	106.7	350	22.68	95.23	129.03	0.55	2.42	2014	
<b>EXCALIBUR</b>	<b>Matrix 355</b>	S	R	240	355	108.2	350	22.68	97.97	132.75	0.55	2.45	2014	
<b>EXCALIBUR</b>	<b>MATRIX 355</b>	S	R	240	355	108.2	350	22.68	97.97	132.75	0.55	2.45		2016
<b>EXCALIBUR</b>	<b>MICRO 355</b>	S	R	280	355	108.2	350	22.68	97.97	132.75	0.55	2.45		2016
<b>EXCALIBUR</b>	<b>Matrex 380 Blackout</b>	F	R	260	380	115.8	350	22.68	112.25	152.10	0.59	2.63	2014	
<b>EXCALIBUR</b>	<b>Matrex 380 Xtra</b>	F	R	260	380	115.8	350	22.68	112.25	152.10	0.59	2.63	2014	
<b>EXCALIBUR</b>	<b>Matrix 380</b>	F	R	260	380	115.8	350	22.68	112.25	152.10	0.59	2.63	2014	2016
<b>EXCALIBUR</b>	<b>Matrix 380 Lynx</b>	F	R	260	380	115.8	350	22.68	112.25	152.10	0.59	2.63	2014	
<b>EXCALIBUR</b>	<b>Matrix 380 Mad Max</b>	F	R	260	380	115.8	350	22.68	112.25	152.10	0.59	2.63	2014	
<b>EXCALIBUR</b>	<b>Matrix Blackout</b>	F	R	260	380	115.8	350	22.68	112.25	152.10	0.59	2.63	2014	
<b>EXCALIBUR</b>	<b>MATRIX Bulldog</b>	F	R	280	400	121.9	350	22.68	124.38	168.53	0.63	2.77		2016
<b>EXCALIBUR</b>	<b>Matrix Mega 405</b>	F	R	290	405	123.4	350	22.68	127.51	172.77	0.63	2.80	2014	
<b>EXCALIBUR</b>	<b>Apex</b>	UD	R	40									2014	
<b>HICKORY CREEK</b>	<b>In Line Xbow</b>	S	C	75	315	96.0	170	11.02	37.47	50.77	0.24	1.06	2014	
<b>HORTON</b>	<b>Bone Collector</b>	S	C	160	300	91.4	400	25.92	79.96	108.34	0.54	2.37	2014	
<b>HORTON</b>	<b>Brotherhood</b>	F	C	160	305	93.0	425	27.54	87.81	118.98	0.58	2.56	2014	
<b>HORTON</b>	<b>Legend Ultra-Lite</b>	F	C	175	330	100.6	400	25.92	96.75	131.09	0.59	2.61		2016
<b>HORTON</b>	<b>Legacy 225</b>	F	R	225	317	96.6	425	27.54	94.86	128.53	0.60	2.66	2014	

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HORTON	Havoc	F	C	175	318	96.9	425	27.54	95.46	129.34	0.60	2.67	2014	
HORTON	Brotherhood	F	C	175	320	97.5	425	27.54	96.66	130.97	0.61	2.69	2014	
HORTON	Bone Collector	F	C	175	325	99.1	425	27.54	99.70	135.10	0.62	2.73	2014	
HORTON	Team Realtree	F	C	175	330	100.6	425	27.54	102.80	139.29	0.63	2.77	2014	
HORTON	Storm RDX	F	RC	165	370	112.8	400	25.92	121.62	164.80	0.66	2.92		2016
HORTON	Fury	F	C	160	360	109.7	425	27.54	122.33	165.76	0.68	3.02	2014	
HORTON	Scout	UD	C	125									2014	
INFERNO	Fury II	S	C	175	235	71.6	350	22.68	42.93	58.17	0.37	1.62	2014	
INFERNO	Fury	S	R	175	235	71.6	400	25.92	49.06	66.48	0.42	1.86		2016
INFERNO	Blitz II	S	C	150	285	86.9	350	22.68	63.14	85.56	0.45	1.97	2014	
INFERNO	Blitz Optimum	S	C	150	285	86.9	350	22.68	63.14	85.56	0.45	1.97	2014	
INFERNO	Hellfire II	S	C	185	300	91.4	350	22.68	69.96	94.80	0.47	2.07	2014	
INFERNO	Heat	S	R	175	265	80.8	400	25.92	62.39	84.54	0.47	2.09		2016
INFERNO	Blitz Optimum	S	C	150	285	86.9	415	26.89	74.87	101.45	0.53	2.34		2016
INFERNO	Blaze II	S	C	150	345	105.2	350	22.68	92.53	125.37	0.54	2.38	2014	
INFERNO	Wildfire II	S	C	225	345	105.2	350	22.68	92.53	125.37	0.54	2.38	2014	
INFERNO	Hellfire	F	C	185	300	91.4	415	26.89	82.96	112.41	0.56	2.46		2016
INFERNO	Firestorm II	F	C	165	375	114.3	350	22.68	109.32	148.12	0.59	2.59	2014	
INFERNO	Blaze	F	C	150	345	105.2	415	26.89	109.71	148.66	0.64	2.83		2016
INFERNO	Wildfire	F	C	225	345	105.2	415	26.89	109.71	148.66	0.64	2.83		2016
INFERNO	Firestorm	F	C	165	375	114.3	415	26.89	129.62	175.63	0.69	3.07		2016
INFERNO	Flame	F	C	185	385	117.3	415	26.89	136.62	185.12	0.71	3.16		2016
INFERNO	Scorch	F	C	185	390	118.9	415	26.89	140.20	189.96	0.72	3.20		2016
JANDO	CS 175	ND	R	175			350	22.68					2014	
JANDO	Tomahawk	ND	C				350	22.68					2014	
JANDO	Chase Wind ZFXL 150	S	R	150	242	73.8	350	22.68	45.53	61.69	0.38	1.67		2016
JANDO	Chase Star 150	S	R	150	269	82.0	350	22.68	56.25	76.22	0.42	1.86		2016
JANDO	Chase Star	S	R	150	285	86.9	350	22.68	63.14	85.56	0.45	1.97		2016
JANDO	Chase Star 175	S	R	175	285	86.9	350	22.68	63.14	85.56	0.45	1.97		2016
JANDO	Chase Star 200	S	R	200	302	92.0	350	22.68	70.90	96.07	0.47	2.09		2016
JANDO	Chace Star	S	R	225	330	100.6	350	22.68	84.65	114.71	0.52	2.28	2014	
JANDO	Chace Sun	S	C	175	330	100.6	350	22.68	84.65	114.71	0.52	2.28	2014	
JANDO	Chase Star 255	S	R	225	330	100.6	350	22.68	84.65	114.71	0.52	2.28		2016
JANDO	Chase Sun II	S	C	175	330	100.6	350	22.68	84.65	114.71	0.52	2.28		2016
JANDO	Tomahawk ZFXL 185	F	C	185	400	121.9	350	22.68	124.38	168.53	0.63	2.77		2016
JANDO	Chace Wind	ND	R	90			350						2014	
KILLER INSTINCT	KI 350	F	C	175	350	106.7	390	25.27	106.11	143.78	0.61	2.70		2016
KILLER INSTINCT	KI 360 Hardcore	F	C	185	360	109.7	400	25.92	115.14	156.01	0.64	2.84		2016
KILLER INSTINCT	furious (TM) 370	F	C	185	370	112.8	400	25.92	121.62	164.80	0.66	2.92		2016
KILLER INSTINCT	Furious (TM) 370FRT	F	C	185	370	112.8	400	25.92	121.62	164.80	0.66	2.92		2016
KILLER INSTINCT	Machine(TM) Bone Collector	F	C	185	380	115.8	400	25.92	128.29	173.83	0.68	3.00		2016

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MAKER	MODEL	DIVISION	TYPE	DRAW lb	Bolt Data				Kinetic Energy		Momentum		Survey Year	
					Speed		Mass		ft lb	Joule	lb f/s	N s	Last	Latest
					fps	m/s	grains	gram						
KODABOW	Zulu Scout	S	TR	200	243	74.1	350	22.68	45.90	62.20	0.38	1.68		2016
KODABOW	Alpha Strike Lite	S	R	125	250	76.2	350	22.68	48.59	65.83	0.39	1.73	2014	2016
KODABOW	Alpha Strike	S	R	155	272	82.9	350	22.68	57.51	77.93	0.43	1.88	2014	2016
KODABOW	Koda Express	S	R	185	306	93.3	350	22.68	72.79	98.63	0.48	2.12	2014	2016
KODABOW	Bravo Zulu	S	R	200	330	100.6	350	22.68	84.65	114.71	0.52	2.28	2014	
KODABOW	Bravo Zulu ER Illuminated	S	TR	200	330	100.6	350	22.68	84.65	114.71	0.52	2.28		2016
KODABOW	Brave Zulu	S	TR	200	342	104.2	350	22.68	90.92	123.20	0.53	2.36		2016
KODABOW	Big Rhino ER Illuminated	S	TR	225	350	106.7	350	22.68	95.23	129.03	0.55	2.42		2016
KODABOW	Big Rhino	S	R	225	355	108.2	350	22.68	97.97	132.75	0.55	2.45	2014	
KODABOW	Dangerous Game Bow	NP	TR	?	290	88.4	703	45.55	131.31	177.93	0.91	4.03		2016
Man Kung	175AC	ND	R	160			350	22.68						2016
Man Kung	MK-120	S	R	120	165	50.3	350	22.68	21.16	28.68	0.26	1.14		2016
Man Kung	150A1	S	R	150	210	64.0	350	22.68	34.28	46.45	0.33	1.45		2016
Man Kung	MK150A3B	S	R	150	210	64.0	350	22.68	34.28	46.45	0.33	1.45		2016
Man Kung	XB21	S	R	175	245	74.7	350	22.68	46.66	63.23	0.38	1.69		2016
Man Kung	XB21	S	R	175	245	74.7	350	22.68	46.66	63.23	0.38	1.69		2016
Man Kung	K7250A1B	S	C	150	248	75.6	350	22.68	47.81	64.78	0.39	1.71		2016
Man Kung	MK300AC	S	C	175	300	91.4	350	22.68	69.96	94.80	0.47	2.07		2016
Man Kung	MK 400	F	C	175	360	109.7	350	22.68	100.75	136.51	0.56	2.49		2016
Man Kung	MK-380	F	C	175	360	109.7	350	22.68	100.75	136.51	0.56	2.49		2016
Man Kung	XB52	F	C		370	112.8	350	22.68	106.42	144.20	0.58	2.56		2016
Man Kung	XB53	F	C		370	112.8	350	22.68	106.42	144.20	0.58	2.56		2016
Man Kung	XB55	F	C		370	112.8	350	22.68	106.42	144.20	0.58	2.56		2016
Man Kung	MK-180	F	R	130	465	141.7	350	22.68	168.09	227.76	0.73	3.21		2016
MIDDLETON	DTM 315	S	R	180	315	96.0	350	22.68	77.13	104.52	0.49	2.18	2014	
MIDDLETON	DTM 330	S	R	200	330	100.6	350	22.68	84.65	114.71	0.52	2.28	2014	
MIDDLETON	DTM 355	S	R	220	355	108.2	350	22.68	97.97	132.75	0.55	2.45	2014	
MIDDLETON	DTM 375	F	R	245	375	114.3	350	22.68	109.32	148.12	0.59	2.59	2014	2016
MISSION	MXB 320	ND	C	100			350	22.68					2014	
MISSION	MXB 320	ND	C	125			350	22.68					2014	
MISSION	MXB 320	ND	C	150			350	22.68					2014	
MISSION	MXB 400	ND	C	125			350	22.68					2014	
MISSION	MXB 400	ND	C	150			350	22.68					2014	
MISSION	MXB 400	ND	C	175			350	22.68					2014	
MISSION	MXB Dagger	ND	C	125			350	22.68					2014	
MISSION	MXB Dagger	ND	C	150			350	22.68					2014	
MISSION	MXB Dagger	ND	C	175			350	22.68					2014	
MISSION	MXB-400 Lostr Camo	S	C	200	100	30.5	350	22.68	7.77	10.53	0.16	0.69		2016
MISSION	MXB Sniper Lite	S	C	150	310	94.5	350	22.68	74.70	101.22	0.48	2.14	2014	
MISSION	MXB Sniper Lite	S	C	150	310	94.5	350	22.68	74.70	101.22	0.48	2.14		2016
MISSION	MXB 320	S	C	180	320	97.5	350	22.68	79.60	107.86	0.50	2.21	2014	

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					Speed		Mass		ft lb	Joule	lb f/s	N s	Last	Latest
					fps	m/s	grains	gram						
MISSION	MXB-320 Lost Camo	S	C	160	320	97.5	350	22.68	79.60	107.86	0.50	2.21		2016
MISSION	MXB-320 Tactical	S	C	160	320	97.5	350	22.68	79.60	107.86	0.50	2.21		2016
MISSION	MXB Dagger	S	C	200	340	103.6	350	22.68	89.86	121.76	0.53	2.35	2014	
MISSION	MXB-340 Dagger Lost Camo	S	C	22	340	103.6	350	22.68	89.86	121.76	0.53	2.35		2016
MISSION	MXB-340 Dagger Tactical	S	C	220	340	103.6	350	22.68	89.86	121.76	0.53	2.35		2016
MISSION	MXB 360	F	C	100 - 160	360	109.7	350	22.68	100.75	136.51	0.56	2.49	2014	
MISSION	MXB-360 Lost Camo	F	C	160	360	109.7	350	22.68	100.75	136.51	0.56	2.49		2016
MISSION	MXB-360 Tactical	F	C	160	360	109.7	350	22.68	100.75	136.51	0.56	2.49		2016
MISSION	MXB 400	F	C	200	400	121.9	350	22.68	124.38	168.53	0.63	2.77	2014	
PARKER	Challenger II	S	C	125	275	83.8	400	25.92	67.19	91.04	0.49	2.17		2016
PARKER	Bushwacker	S	C	150	285	86.9	400	25.92	72.16	97.78	0.51	2.25	2014	2016
PARKER	Challenger	S	C	150	300	91.4	400	25.92	79.96	108.34	0.54	2.37		2014
PARKER	Challenger	S	C	160	300	91.4	400	25.92	79.96	108.34	0.54	2.37	2014	
PARKER	Challenger II	S	C	150	300	91.4	400	25.92	79.96	108.34	0.54	2.37		2016
PARKER	Concord	S	C	175	300	91.4	400	25.92	79.96	108.34	0.54	2.37	2014	2016
PARKER	Enforcer	S	C	160	300	91.4	400	25.92	79.96	108.34	0.54	2.37	2014	
PARKER	Enforcer	S	C	160	300	91.4	400	25.92	79.96	108.34	0.54	2.37		2016
PARKER	Enforcer	F	C	160	315	96.0	400	25.92	88.15	119.45	0.56	2.49	2014	
PARKER	Hornet Extreme	F	C	165	315	96.0	400	25.92	88.15	119.45	0.56	2.49	2014	
PARKER	Blackhawk Upgraded	F	C	160	320	97.5	400	25.92	90.97	123.27	0.57	2.53	2014	
PARKER	Bushwacker	F	C	160	320	97.5	400	25.92	90.97	123.27	0.57	2.53	2014	
PARKER	Thunderhawk Upgraded	F	C	160	320	97.5	400	25.92	90.97	123.27	0.57	2.53	2014	
PARKER	Tomahawk	F	C	160	320	97.5	400	25.92	90.97	123.27	0.57	2.53	2014	
PARKER	Tornado F4 Upgraded	F	C	165	330	100.6	400	25.92	96.75	131.09	0.59	2.61	2014	
PARKER	Centerfire	F	C	165	335	102.1	400	25.92	99.70	135.10	0.60	2.65	2014	
PARKER	Tornado F4	F	C	165	340	103.6	400	25.92	102.70	139.16	0.61	2.69	2014	
PARKER	Tornado F4	F	C	165	340	103.6	400	25.92	102.70	139.16	0.61	2.69		2016
PARKER	Gale Force	F	C	165	350	106.7	400	25.92	108.83	147.47	0.63	2.77	2014	
PARKER	Galeforce Upgraded	F	C	165	350	106.7	400	25.92	108.83	147.47	0.63	2.77	2014	
PARKER	Stingray	ND	C	100/125									2014	
PERFECTLINE	Jaguar	S	R	40	125	38.1	170	11.02	5.90	7.99	0.09	0.42	2014	2016
PERFECTLINE	Jaguar	S	R	95	170	51.8	170	11.02	10.91	14.79	0.13	0.57	2014	2016
PERFECTLINE	Jaguar Red Dot	S	R	95	170	51.8	170	11.02	10.91	14.79	0.13	0.57	2014	
PERFECTLINE	Hornet	S	R	120	185	56.4	350	22.68	26.61	36.05	0.29	1.28	2014	2016
PERFECTLINE	Marauder	S	R	150	209	63.7	350	22.68	33.96	46.01	0.33	1.44	2014	
PERFECTLINE	Marauder II	S	R	150	220	67.1	350	22.68	37.62	50.98	0.34	1.52	2014	
PERFECTLINE	Jaguar	S	R	150	225	68.6	350	22.68	39.35	53.32	0.35	1.56	2014	2016
PERFECTLINE	Jaguar Red Dot	S	R	150	225	68.6	350	22.68	39.35	53.32	0.35	1.56	2014	2016
PERFECTLINE	Leopard Red Dot	S	R	150	235	71.6	350	22.68	42.93	58.17	0.37	1.62	2014	
PERFECTLINE	Jaguar Red Dot	S	R	175	245	74.7	400	25.92	53.33	72.26	0.44	1.94	2014	

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					Speed		Mass		ft lb	Joule	lb f/s	N s	Last	Latest
					fps	m/s	grains	gram						
PERFECTLINE	Rebel	S	R	175	280	85.3	350	22.68	60.95	82.58	0.44	1.94	2014	2016
PERFECTLINE	Black Hunter	S	C	150	248	75.6	400	25.92	54.64	74.04	0.44	1.96	2014	
PERFECTLINE	150lb Compound	S	C	150	285	86.9	350	22.68	63.14	85.56	0.45	1.97	2014	2016
PERFECTLINE	185lb Compound	S	C	150	315	96.0	350	22.68	77.13	104.52	0.49	2.18	2014	2016
PERFECTLINE	Marauder II	S	C	165	285	86.9	400	25.92	72.16	97.78	0.51	2.25	2014	2016
PERFECTLINE	Cheetah 185lb	F	C	185	315	96.0	400	25.92	88.15	119.45	0.56	2.49	2014	2016
PERFECTLINE	MK - 350	F	C	150	325	99.1	400	25.92	95.48	129.38	0.58	2.57	2014	
PERFECTLINE	Desert Hawk	F	R	225	330	100.6	400	25.92	96.75	131.09	0.59	2.61	2014	2016
PERFECTLINE	MK - 380	F	C	175	350	106.7	400	25.92	110.73	150.04	0.63	2.77	2014	
PERFECTLINE	MK - 400	F	C	175	350	106.7	400	25.92	110.73	150.04	0.63	2.77	2014	
PERFECTLINE	Stinger	F	C	200	350	106.7	400	25.92	108.83	147.47	0.63	2.77	2014	2016
PERFECTLINE	Balistic	F	C	185	355	108.2	400	25.92	102.00	138.21	0.63	2.80	2014	2016
PERFECTLINE	Torpedo	F	C	185	355	108.2	400	25.92	102.00	138.21	0.63	2.80	2014	2016
PERFECTLINE	Titan	F	C	200	380	115.8	400	25.92	128.29	173.83	0.68	3.00	2014	2016
PERFECTLINE	Lynx Magnum	ND	R	150			350	22.68					2014	2016
POE LANG	CR-038BA	ND	C	185	310	94.5							2014	
POE LANG	CR-013BBA	S	R	150	225	68.6	350	22.68	39.354	53.325	0.3516	1.5554	2014	
POE LANG	CR-013GIA	S	R	150	225	68.6	350	22.68	39.35	53.32	0.35	1.56	2014	
POE LANG	CR-013WA	S	R	150	225	68.6	350	22.68	39.35	53.32	0.35	1.56	2014	
POE LANG	CR-018BA	S	R	150	225	68.6	350	22.68	39.35	53.32	0.35	1.56	2014	
POE LANG	CR-018WA	S	R	150	225	68.6	350	22.68	39.35	53.32	0.35	1.56	2014	
POE LANG	CR-006G1S	S	R	150	235	71.6	350	22.68	42.93	58.17	0.37	1.62	2014	
POE LANG	CR-034BA	S	C	150	265	80.8	350	22.68	54.59	73.97	0.41	1.83	2014	
POE LANG	CR-013BBA	S	R	175	245	74.7	400	25.92	53.327	72.258	0.4375	1.9356	2014	
POE LANG	CR-013GIA	S	R	175	245	74.7	400	25.92	53.33	72.26	0.44	1.94	2014	
POE LANG	CR-013WA	S	R	175	245	74.7	400	25.92	53.33	72.26	0.44	1.94	2014	
POE LANG	CR-018BA	S	R	175	245	74.7	400	25.92	53.33	72.26	0.44	1.94	2014	
POE LANG	CR-018WA	S	R	175	245	74.7	400	25.92	53.33	72.26	0.44	1.94	2014	
POE LANG	CR-038BG1A	S	C	185	310	94.5	400	25.92	85.38	115.69	0.55	2.45	2014	
POE LANG	CR-033GCA	F	C	185	315	96.0	400	25.92	88.15	119.45	0.56	2.49	2014	
POE LANG	CR-030TG1A	F	C	185	320	97.5	400	25.92	90.97	123.27	0.57	2.53	2014	
POE LANG	CR-037CG1A	F	R	225	330	100.6	400	25.92	96.75	131.09	0.59	2.61	2014	
POE LANG	CR-029CG1A	F	C	200	350	106.7	400	25.92	108.83	147.47	0.63	2.77	2014	
POE LANG	CR-026TG1A	F	C	200	380	115.8	400	25.92	128.29	173.83	0.68	3.00	2014	
POE LANG	CR-026TACA	ND	R										2014	
Poelang	CR-013BA	S	R	150	225	68.6	350	22.68	39.35	53.32	0.35	1.56		2016
Poelang	CR-013G1A	S	R	150	225	68.6	350	22.68	39.35	53.32	0.35	1.56		2016
Poelang	CR-013WA	S	R	150	225	68.6	350	22.68	39.35	53.32	0.35	1.56		2016
Poelang	CR-018BA	S	R	150	225	68.6	350	22.68	39.35	53.32	0.35	1.56		2016
Poelang	CR-018WA	S	R	150	225	68.6	350	22.68	39.35	53.32	0.35	1.56		2016

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					Speed		Mass		ft lb	Joule	lb f/s	N s	Last	Latest
					fps	m/s	grains	gram						
Poelang	CR-006G1S	S	R	150	235	71.6	350	22.68	42.93	58.17	0.37	1.62		2016
Poelang	CR-013BA	S	R	175	245	74.7	400	25.92	53.33	72.26	0.44	1.94		2016
Poelang	CR-013G1A	S	R	175	245	74.7	400	25.92	53.33	72.26	0.44	1.94		2016
Poelang	CR-013WA	S	R	175	245	74.7	400	25.92	53.33	72.26	0.44	1.94		2016
Poelang	CR-018BA	S	R	175	245	74.7	400	25.92	53.33	72.26	0.44	1.94		2016
Poelang	CR-018WA	S	R	175	245	74.7	400	25.92	53.33	72.26	0.44	1.94		2016
Poelang	CR-034BA	S	C	150	265	80.8	400	25.92	62.39	84.54	0.47	2.09		2016
Poelang	CR-038BA	S	C	185	310	94.5	400	25.92	85.38	115.69	0.55	2.45		2016
Poelang	CR-033GCA	F	C	185	315	96.0	400	25.92	88.15	119.45	0.56	2.49		2016
Poelang	CR-030TG1A	F	C	185	320	97.5	400	25.92	90.97	123.27	0.57	2.53		2016
Poelang	CR-037CG1A	F	R	225	330	100.6	400	25.92	96.75	131.09	0.59	2.61		2016
Poelang	CR029CHG1A	F	C	200	350	106.7	400	25.92	108.83	147.47	0.63	2.77		2016
Poelang	CR-026TG1A	F	C	200	380	115.8	400	25.92	128.29	173.83	0.68	3.00		2016
Poelang	CR-038BG1A	S	C	185	310	94.5	400	25.92	85.38	115.69	0.55	2.45		2016
Poelang	CR-026TBA/CR026TACA	ND	C											2016
PSE	Reaper	S	C	185	310	94.5	350	22.68	74.70	101.22	0.48	2.14	2014	
PSE	Copperhead	S	C	150	260	79.2	425	27.54	63.81	86.46	0.49	2.18	2014	
PSE	Vector	F	C	125	300	91.4	425	27.54	84.95	115.11	0.57	2.52		2016
PSE	Vector	F	C	150	310	94.5	425	27.54	90.71	122.92	0.59	2.60		2016
PSE	Crossfire	F	C	150	320	97.5	425	27.54	96.66	130.97	0.61	2.69	2014	
PSE	FANG 155	F	C	155	345	105.2	400.00	25.92	106.00	143.63	0.62	2.73	2014	
PSE	Smoke	F	C	180	330	100.6	425	27.54	102.80	139.29	0.63	2.77	2014	
PSE	Foxfire	F	C	150	340	103.6	425	27.54	109.12	147.86	0.65	2.85	2014	
PSE	Fang	F	C	155	342	104.2	425	27.54	110.41	149.60	0.65	2.87		2016
PSE	RDX 365	F	C	165	365	111.3	425	27.54	125.76	170.40	0.69	3.06		2016
PSE	TAC Elite	F	C	150	395	120.4	425	27.54	147.28	199.56	0.75	3.32		2016
PSE	RDX 400	NP	C	165	400	121.9	425	27.54	151.03	204.65	0.76	3.36		2016
PSE	Tac 15i	NP	C	155	402	122.5	425	27.54	152.54	206.70	0.76	3.37	2014	
PSE	Tac Elite	ND	C										2014	
PSE	Tac Ordinance	ND	C										2014	
SA SPORTS	Empire Recon	S	R	175	260	79.2	360	23.33	54.05	73.24	0.42	1.85		2016
SA SPORTS	Empire Terminator	S	R	175	260	79.2	425	27.54	63.81	86.46	0.49	2.18		2016
SA SPORTS	Ambush	S	C	150	285	86.9	400	25.92	72.16	97.78	0.51	2.25		2016
SA SPORTS	Empire Aggressor	F	C	185	390	118.9	400	25.92	135.13	183.10	0.70	3.08		2016
SALINDA	Chace Star ZXXL9	S	R	90	202	61.6	400	25.92	36.25	49.12	0.36	1.60		2016
SALINDA	Chace Wind	S	R	150	242	73.8	400	25.92	52.03	70.50	0.43	1.91		2016
SALINDA	Chace Star 150	S	R	150	269	82.0	400	25.92	64.29	87.11	0.48	2.13		2016
SALINDA	Chace Star 175	S	R	175	285	86.9	400	25.92	72.16	97.78	0.51	2.25		2016
SALINDA	Chace Star 200	S	R	200	302	92.0	400	25.92	81.03	109.79	0.54	2.39		2016
SALINDA	Chace Star 225	F	R	225	330	100.6	400	25.92	96.75	131.09	0.59	2.61		2016
SALINDA	Tomahawk	F	C	185	400	121.9	400	25.92	142.15	192.61	0.71	3.16		2016

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MAKER	MODEL	DIVISION	TYPE	DRAW lb	Bolt Data				Kinetic Energy		Momentum		Survey Year	
					Speed		Mass		ft lb	Joule	lb f/s	N s	Last	Latest
					fps	m/s	grains	gram						
SCORPYD	VTEC 100	F	C	100	340	103.6	380.00	24.62	98.00	132.79	0.58	2.55	2014	
SCORPYD	Telson 125	F	C	125	370	112.8	350	22.68	106.42	144.20	0.58	2.56	2014	
SCORPYD	Ventilator 100	F	C	100	340	103.6	400	25.92	102.70	139.16	0.61	2.69	2014	
SCORPYD	Telson 110	F	C	110	360	109.7	400	25.92	115.14	156.01	0.64	2.84	2014	
SCORPYD	Orion	F	C	125	370	112.8	400	25.92	123.00	166.67	0.66	2.92	2014	
SCORPYD	Orion Extreme	F	RC	110	370	112.8	400	25.92	121.62	164.80	0.66	2.92		2016
SCORPYD	Velocity 125	F	C	125	370	112.8	400	25.92	123.00	166.67	0.66	2.92	2014	
SCORPYD	Ventilator 125	F	C	125	370	112.8	400	25.92	121.62	164.80	0.66	2.92	2014	
SCORPYD	Ventilator Extreme	F	RC	110	370	112.8	400	25.92	121.62	164.80	0.66	2.92		2016
SCORPYD	VTEC 125	F	C	125	370	112.8	400	25.92	123.00	166.67	0.66	2.92	2014	
SCORPYD	V-Tec Extreme	F	RC	110	370	112.8	400	25.92	121.62	164.80	0.66	2.92		2016
SCORPYD	Telson 130	F	C	130	385	117.3	400	25.92	131.69	178.43	0.69	3.04	2014	
SCORPYD	Orion Extreme	F	RC	135	390	118.9	400	25.92	135.13	183.10	0.70	3.08		2016
SCORPYD	Ventilator Extreme	F	RC	135	390	118.9	400	25.92	135.13	183.10	0.70	3.08		2016
SCORPYD	V-Tec Extreme	F	RC	135	390	118.9	400	25.92	135.13	183.10	0.70	3.08		2016
SCORPYD	SLP 150	F	C	150	400	121.9	400	25.92	142.15	192.61	0.71	3.16	2014	
SCORPYD	Velocity 150	F	C	150	400	121.9	400	25.92	148.00	200.54	0.71	3.16	2014	
SCORPYD	Ventilator 150	F	C	150	400	121.9	400	25.92	142.15	192.61	0.71	3.16	2014	
SCORPYD	VTEC 150	F	C	150	400	121.9	400	25.92	148.00	200.54	0.71	3.16	2014	
SCORPYD	VTEC 165	F	C	165	412	125.6	400	25.92	157.00	212.74	0.74	3.25	2014	
SCORPYD	Orion Extreme	F	RC	165	420	128.0	400	25.92	156.72	212.35	0.75	3.32		2016
SCORPYD	Ventilator Extreme	F	RC	165	420	128.0	400	25.92	156.72	212.35	0.75	3.32		2016
SCORPYD	V-Tec Extreme	F	RC	165	420	128.0	400	25.92	156.72	212.35	0.75	3.32		2016
SCORPYD	SLP 165	NP	C	165	425	129.5	400	25.92	160.47	217.44	0.76	3.36	2014	
SCORPYD	Velocity 165	NP	C	165	425	129.5	400	25.92	163.00	220.87	0.76	3.36	2014	
SCORPYD	Orion Extreme	NP	RC	175	440	134.1	400	25.92	172.00	233.06	0.79	3.48		2016
SCORPYD	Ventilator Extreme	NP	RC	175	440	134.1	400	25.92	172.00	233.06	0.79	3.48		2016
SCORPYD	V-Tec Extreme	NP	RC	175	440	134.1	400	25.92	172.00	233.06	0.79	3.48		2016
SOUTHERN CROSSBOWS	Rebel 350	F	C	155	350	106.7	390	25.27	106.11	143.78	0.61	2.70		2016
SOUTHERN CROSSBOWS	Risen XT350	F	C	180	350	106.7	390	25.27	106.11	143.78	0.61	2.70		2016
SOUTHERN CROSSBOWS	Revolt 370	F	C	185	370	112.8	390	25.27	118.58	160.68	0.64	2.85		2016
SOUTHERN CROSSBOWS	Risen XT385	F	C	200	385	117.3	390	25.27	128.39	173.97	0.67	2.97		2016
STRYKER	Solution	S	C	125	350	106.7	350	22.68	95.23	129.03	0.55	2.42	2014	2016
STRYKER	Offspring	F	C	150	360	109.7	350	22.68	100.75	136.51	0.56	2.49		2016
STRYKER	Katana 385	F	C	155	385	117.3	350	22.68	115.22	156.13	0.60	2.66		2016
STRYKER	Strykerzone 350	F	C	135	350	106.7	385	24.95	104.75	141.94	0.60	2.66	2014	
STRYKER	Solution LIS	F	C	155	390	118.9	350	22.68	118.24	160.21	0.61	2.70	2014	
STRYKER	Solution LS	F	C	155	390	118.9	350	22.68	118.24	160.21	0.61	2.70		2016
STRYKER	Strykerzone 380	F	C	160	380	115.8	385	24.95	123.48	167.31	0.65	2.89	2014	
STRYKER	Strykerzone Black	F	C	160	380	115.8	385	24.95	123.48	167.31	0.65	2.89	2014	
TALISMAN	Mantis	S	TR	200	300	91.4	300	19.44	59.97	81.26	0.40	1.78		2016

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					Speed		Mass		ft lb	Joule	lb f/s	N s	Last	Latest
					fps	m/s	grains	gram						
TALISMAN	Mantis Elite	S	TR	350	300	91.4	350	22.68	69.96	94.80	0.47	2.07		2016
TALISMAN	Mantis	F	TR	450	500	152.4	300	19.44	166.58	225.71	0.67	2.96		2016
TALISMAN	Mantis Elite	NP	TR	550	600	182.9	350	22.68	279.85	379.20	0.94	4.15		2016
TALON	Raptor	S	C	60	200	61.0	316	20.48	28.07	38.04	0.28	1.25	2014	
TALON	Eagle	S	C	60	200	61.0	361	23.39	32.07	43.46	0.32	1.43		2016
TALON	Eagle Pro	S	C	60	200	61.0	361	23.39	32.07	43.46	0.32	1.43		2016
TALON	Hawk	S	C	60	200	61.0	361	23.39	32.07	43.46	0.32	1.43		2016
TALON	Raptor	S	C	60	200	61.0	361	23.39	32.07	43.46	0.32	1.43		2016
TENPOINT	GT Flex	S	R	95	175	53.3	425	27.54	28.91	39.17	0.33	1.47	2014	
TENPOINT	GT Flex	S	R	125	225	68.6	425	27.54	47.79	64.75	0.43	1.89	2014	
TENPOINT	GT Flex	S	R	180	282	86.0	425	27.54	75.07	101.71	0.54	2.37	2014	
TENPOINT	Titan Extreme	S	C	180	333	101.5	369.49	23.94	91.00	123.31	0.55	2.43	2014	
TENPOINT	Turbo XLT II	F	C	180	345	105.2	370.71	24.02	98.00	132.79	0.57	2.53	2014	
TENPOINT	Lady Shadow	F	C	180	350	106.7	370	23.98	100.67	136.41	0.58	2.56		2016
TENPOINT	Shadow Ultra-Lite	F	C	180	350	106.7	370	23.98	100.67	136.41	0.58	2.56		2016
TENPOINT	Lady Shaddow	F	C	180	350	106.7	371.22	24.05	101.00	136.86	0.58	2.57	2014	
TENPOINT	Lady Shaddow Ultra-Lite	F	C	180	350	106.7	371.22	24.05	101.00	136.86	0.58	2.57	2014	
TENPOINT	Stealth SS	F	C	185	352	107.3	370	23.98	101.82	137.97	0.58	2.57	2014	
TENPOINT	Titan SS	F	C	175	360	109.7	370	23.98	106.50	144.31	0.59	2.63		2016
TENPOINT	Turbo GT	F	C	175	360	109.7	370	23.98	106.50	144.31	0.59	2.63		2016
TENPOINT	Carbon XTRA CIS	F	C	185	364	110.9	370.40	24.00	109.00	147.70	0.60	2.66	2014	
TENPOINT	Stealth FX4	F	C	185	370	112.8	370.00	23.98	113.00	153.12	0.61	2.70	2014	2016
TENPOINT	Venom	F	C	185	372	113.4	370.00	23.98	114.00	154.47	0.61	2.72	2014	2016
TENPOINT	Venom Xtra	F	C	185	372	113.4	370	23.98	113.72	154.09	0.61	2.72		2016
TENPOINT	Carbon Elite XLT	F	C	185	334	101.8	425	27.54	105.30	142.68	0.63	2.80	2014	
TENPOINT	Carbon Nitro RDX	F	RC	165	385	117.3	370	23.98	121.81	165.05	0.64	2.81		2016
TENPOINT	Carbon Fusion	F	C	185	345	105.2	425	27.54	112.35	152.24	0.65	2.90	2014	
TENPOINT	Vapour	F	C	165	360	109.7	420	27.22	121.00	163.96	0.68	2.99	2014	2016
TENPOINT	Tactical XLT	ND	C	185									2014	
VELOCITY	Warhawk	S	C	175	245	74.7	391.55	25.37	52.20	70.73	0.43	1.89	2014	
VELOCITY	Defiant	S	C	150	370	112.8	350	22.68	106.42	144.20	0.58	2.56		2016
VELOCITY	Lionheart	S	C	175	310	94.5	400	25.92	85.37	115.68	0.55	2.45	2014	2016
VELOCITY	Armageddon	F	C	175	350	106.7	404.30	26.20	110.00	149.05	0.63	2.79	2014	2016
VELOCITY	Defiant	F	C	175	350	106.7	404.30	26.20	110.00	149.05	0.63	2.79	2014	
VELOCITY	Raven	F	C	175	350	106.7	404.30	26.20	110.00	149.05	0.63	2.79	2014	2016
VELOCITY	Justice	F	C	185	370	112.8	401.24	26.00	122.00	165.31	0.66	2.93	2014	2016
VENOM	Sidewinder	S	R	90	170	51.8	170	11.02	10.91	14.79	0.13	0.57	2014	
VENOM	Taipan	S	C	60	170	51.8	170	11.02	10.91	14.79	0.13	0.57	2014	2016
VENOM	Tiapan	S	R	80	200	61.0	170	11.02	15.10	20.46	0.15	0.67	2014	2016
VENOM	Bushmaster	S	C	77.8?	217	66.1	175	11.34	18.30	24.80	0.17	0.75	2014	
VELOCITY	Eagle	S	C	100	200	61.0	300	19.44	26.65	36.11	0.27	1.19		2016

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					Speed		Mass		ft lb	Joule	lb f/s	N s	Last	Latest
					fps	m/s	grains	gram						
<b>VELOCITY</b>	<b>Raptor</b>	S	C	100	200	61.0	<i>300</i>	19.44	26.65	36.11	0.27	1.19		2016
<b>VENOM</b>	<b>Boomslang</b>	S	R	120	220	67.1	300	19.44	32.25	43.70	0.29	1.30	2014	2016
<b>VENOM</b>	<b>Bushmaster</b>	S	R	120	220	67.1	300	19.44	32.25	43.70	0.29	1.30	2014	
<b>VENOM</b>	<b>Sidewinder</b>	S	R	150	242	73.8	350	22.68	45.53	61.69	0.38	1.67	2014	
<b>VENOM</b>	<b>BOA Recurve</b>	S	R	150	269	82.0	350	22.68	56.25	76.22	0.42	1.86	2014	
<b>VENOM</b>	<b>BOA Recurve</b>	S	R	175	285	86.9	350	22.68	63.14	85.56	0.45	1.97	2014	
<b>VENOM</b>	<b>BOA Recurve</b>	S	R	200	325	99.1	350	22.68	82.11	111.26	0.51	2.25	2014	
<b>VENOM</b>	<b>Python</b>	S	C	175	285	86.9	400	25.92	72.16	97.78	0.51	2.25	2014	
<b>VENOM</b>	<b>BOA Recurve</b>	S	R	225	345	105.2	350	22.68	92.53	125.37	0.54	2.38	2014	
<b>VENOM</b>	<b>Boa Compound</b>	S	C	155	350	106.7	350	22.68	95.23	129.03	0.55	2.42	2014	
<b>VENOM</b>	<b>Cottonmouth</b>	ND	C	185									2014	
<b>VENOM</b>	<b>Mamba</b>	ND	C	120									2014	
<b>VENOM</b>	<b>Rattler</b>	ND	C	150									2014	
<b>WICKED RIDGE</b>	<b>Lady Ranger</b>	S	C	150	300	91.4	350.00	22.68	70.00	94.85	0.47	2.07	2014	2016
<b>WICKED RIDGE</b>	<b>Ranger</b>	S	C	150	300	91.4	350.00	22.68	70.00	94.85	0.47	2.07	2014	2016
<b>WICKED RIDGE</b>	<b>Warrior</b>	S	C	155	320	97.5	370	23.98	84.15	114.02	0.53	2.34		2016
<b>WICKED RIDGE</b>	<b>Invader</b>	S	C	165	330	100.6	370	23.98	89.49	121.26	0.55	2.41		2016
<b>WICKED RIDGE</b>	<b>Warrior HL</b>	F	C	175	300	91.4	420	27.22	83.96	113.76	0.56	2.49	2014	
<b>WICKED RIDGE</b>	<b>Invader</b>	F	C	180	315	96.0	420	27.22	92.56	125.42	0.59	2.61	2014	
<b>WICKED RIDGE</b>	<b>Raider</b>	F	C	180	330	100.6	420	27.22	101.59	137.65	0.62	2.74	2014	
<b>WINCHESTER</b>	<b>Bronco</b>	F	C	150	315	96.0	420	27.22	92.56	125.42	0.59	2.61	2014	2016
<b>WINCHESTER</b>	<b>Blaze</b>	F	C	150	325	99.1	425	27.54	99.70	135.10	0.62	2.73		2016
<b>WINCHESTER</b>	<b>Blaze</b>	F	C	155	330	100.6	420	27.22	101.59	137.65	0.62	2.74	2014	
<b>WINCHESTER</b>	<b>Stallion (ALSO SS)</b>	F	C	165	350	106.7	420	27.22	114.27	154.84	0.66	2.90	2014	
<b>WINCHESTER</b>	<b>Steed</b>	NP	C	165	250	76.2	734.79	47.61	102.00	138.21	0.82	3.63	2014	
<b>WOLFSZEIT</b>	<b>Ultimate - Survival</b>	F	R	180	330	100.6	400	25.92	96.75	131.09	0.59	2.61	2014	
<b>WOLFSZEIT</b>	<b>Ultimate Sniper 380</b>	F	R	270	380	115.8	350	22.68	112.25	152.10	0.59	2.63		2016
<b>WOLFSZEIT</b>	<b>Ultimate - Sniper</b>	F	R	280	380	115.8	400	25.92	128.29	173.83	0.68	3.00	2014	
<b>WOLFSZEIT</b>	<b>Ultimate Sniper 435</b>	F	R	330	435	132.6	350	22.68	147.10	199.32	0.68	3.01		2016

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