



2021-2019 LIMB DEFLECTION CHARTS

2021 MODEL	INCHES	20#	30#	40#	50#	60#	70#	80#	90#	100#	
SOLUTION	10				87/92.5	104/109.5	122.5/127.5				
SOLUTION SS	10				104/109.5	122.5/127.5	143/147				
SOLUTION SD	10				91/100.5	106.5/118	124/134				
EVA GEN 2	10			73/83	91/100.5	106.5/118					
ZION/DLX	12.96				96	112	127.5				
AMPLIFY	11.25						80/93				
REVOLT	10				104/94	124/113	143/132				
REVOLT X	10				104/94	124/113	143/132				
SPECIALIST II	13			84.0	103.5	121.5					
RECKONING 38	10				87.0	104.0	122.5				
REALM SR6	10				96	115	132				
2020 MODEL	INCHES	20#	30#	40#	50#	60#	70#	80#	90#	100#	
REVOLT	10				104/94	124/113	143/132				
REVOLT X	10				104/94	124/113	143/132				
SPECIALIST II	13			84.0	103.5	121.5					
RECKONING 38	10				87.0	104.0	122.5				
GUARDIAN	10					104.0	119.5				
RECKONING	10				87	104	132				
REALM SR6	10				96	115	132				
REALM SS	10				91	106.5	122.5				
BT-MAG X	12				220	268	315.5				
EVA SHOCKEY SS	13			71.5	86.5	101.5	116.5				
CARBON ICON	13				84.5	98.5	112.5				
CARBON ROSE	13			73.5	89.5	105.5					
CONVERGENCE	12.25	8-70# Limb Type T48 ; 77.5 Deflection (right), 67.5 Deflection (left)									
2019 MODEL	INCHES	20#	30#	40#	50#	60#	70#	80#	90#	100#	
RECKONING	10				87	104	132				
REALM SR6	10				96	115	132				
REALM SS	10				91	106.5	122.5				
REALM	10				87	104	119.5				
REALM X	10				91	106.5	122.5				
BT-MAG X	12				220	268	315.5				
FANATIC 3.0 32"	13			122	156.5	191.5	225.5				
FANATIC 3.0 29"	13			92.5	117.5	143.5	170.5				
EVA SHOCKEY SS	13			71.5	86.5	101.5	116.5				
CARBON ICON	13				84.5	98.5	112.5				
CARBON ROSE	13			73.5	89.5	105.5					
CONVERGENCE	12.25	8-70# Limb Type T48 ; 77.5 Deflection (right), 67.5 Deflection (left)									



2018-2016 LIMB DEFLECTION CHARTS

2018 MODEL	INCHES	20#	30#	40#	50#	60#	70#	80#	90#	100#	
REALM	10				87	104	119.5				
REALM X	10				91	106.5	122.5				
BT-MAG X	12				220	268	315.5				
REIGN 6	12				159.5	195	231				
REIGN 7	12				159.5	195	231				
BT-MAG	12				191	234.5	278.5				
FANATIC 3.0 32"	13			122	156.5	191.5	225.5				
FANATIC 3.0 29"	13			92.5	117.5	143.5	170.5				
EVA SHOCKEY SS	13			71.5	86.5	101.5	116.5				
CARBON ICON	13				84.5	98.5	112.5				
CARBON ROSE	13			73.5	89.5	105.5					
FUEL	12	14-70# Limb Type T30 ; 122.5 Deflection									
2017 MODEL	INCHES	20#	30#	40#	50#	60#	70#	80#	90#	100#	
REIGN 6	12				159.5	195	231				
REIGN 7	12				159.5	195	231				
BT-MAG	12				191	234.5	278.5				
BT-X 31"	12				195	240.5	284.5				
BT-X 28"	12				176	215.5	254	294			
FANATIC 3.0 32"	13			122	156.5	191.5	225.5				
FANATIC 3.0 29"	13			92.5	117.5	143.5	170.5				
PRODIGY	12				142.5	174.5	207.5				
BOSS	12				174.5	207.5	243.5				
EVA SHOCKEY SS	13			71.5	86.5	101.5	116.5				
CARBON ICON	13				84.5	98.5	112.5				
CARBON ROSE	13			73.5	89.5	105.5					
FUEL	12	14-70# Limb Type T30 ; 122.5 Deflection									
2016 MODEL	INCHES	20#	30#	40#	50#	60#	70#	80#	90#	100#	
BT-X 31"	12				193	235	278.5	322.5			
BT-X 28"	12				171	207.5	246.5	284.5			
PRODIGY	12				142.5	174.5	207.5				
BOSS	12				174.5	207.5	243.5				
FANATIC 2.0 32"	13			122	156.5	191.5	225.5				
FANATIC 2.0 29"	13			92.5	117.5	143.5	170.5				
EVA SHOCKEY SS	13			71.5	86.5	101.5	116.5				
CARBON ICON	13				84.5	98.5	112.5				
CARBON ROSE	13			73.5	89.5	105.5					
FUEL	12	14-70# Limb Type T30 ; 122.5 Deflection									

*Heavy limbs go on the cable roller side.



2015-2012 LIMB DEFLECTION CHARTS

2015 MODEL	INCHES	20#	30#	40#	50#	60#	70#	80#	90#	100#	
PRODIGY	12				142.5	174.5	207.5				
BOSS	12				174.5	207.5	243.5				
FANATIC	13			108	137	166	195				
RPM 360	12				171	207.5	244				
CARBONOVERDRIVE	12.375				93	109	126				
EVA SHOCKEY SS	13			71.5	86.5	101.5	116.5				
CARBON ICON	13				84.5	98.5	112.5				
CARBON ROSE	13			73.5	89.5	105.5					
FUEL	12	14-70# Limb Type T30 ; 122.5 Deflection									
2014 MODEL	INCHES	20#	30#	40#	50#	60#	70#	80#	90#	100#	
RPM 360	12				171	207.5	244				
CARBONOVERDRIVE	12.375				93	109	126				
EXPERIENCE	12				164	199.5	235				
INSANITY CPXL	12				167.5	204.5	243	278.5			
SPECIALIST	12			71	87	103	122 AB only				
CARBON KNIGHT	13				86	101.3	116.5				
CARBON ROSE	13			73.5	89.5	105.5					
FUEL	12	14-70# Limb Type T30 ; 122.5 Deflection									
2013 MODEL	INCHES	20#	30#	40#	50#	60#	70#	80#	90#	100#	
EXPERIENCE	12				164	199.5	235				
INSANITY CPX	12				159	193	230.5	265			
INSANITY CPXL	12				167.5	204.5	243	278.5			
SPECIALIST	12			71	87	103	122 AB only				
ASSASSIN	13				86	102	118				
HEARTBREAKER	13			81	100	118					
2012 MODEL	INCHES	20#	30#	40#	50#	60#	70#	80#	90#	100#	
INSANITY CPX	12				159	193	230.5	265			
INSANITY CPXL	12				167.5	204.5	243	278.5			
INVASION CPX	12				114	137.5	164	191			
SPECIALIST	12			71	87	103	122 AB only				
ASSASSIN	13				86	102	118				
ASSASSIN SD	13			81	100	118					
HEARTBREAKER	13			81	100	118					



2011-2008 LIMB DEFLECTION CHARTS

2011 MODEL	INCHES	20#	30#	40#	50#	60#	65#	70#	80#	90#	100#
INVASION CPX	12				114	137.5		164	191		
SPECIALIST	12			71	87	103		122 ABonly			
DESTROYER 350	12				103	122	132	141.5			
DESTROYER 340	12				103	122	132	141.5			
ASSASSIN	13				86	102		118			
HEARTBREAKER	13			81	100	118					
SOLDIER	12			41			65				
2010 MODEL	INCHES	20#	30#	40#	50#	60#	65#	70#	80#	90#	100#
DESTROYER 350	12				103	122	132	141.5			
DESTROYER 340	12				103	122	132	141.5			
ADMIRAL FLX	12			131	164.5	198		238			
CAPTAIN	12				173	209		242.5			
SENTINEL FLX	12			132.5	168.5	205.5		242			
BRIGADIER	12			85	106.5	128.5		152			
SWAT	13				83	102		121			
AIR RAID	12					110		127			
SNIPER	13					113		131			
SOLDIER	12			41		65					
2009 MODEL	INCHES	20#	30#	40#	50#	60#	70#	80#	90#	100#	
ADMIRAL	12			130	165	200		234			
CAPTAIN	12				173	209		242.5			
SENTINEL	12			132.5	168.5	205.5		242			
BRIGADIER	12			85	106.5	128.5		152			
82 AIRBORNE					87	105		118			
AIR RAID						110		127			
SWAT	13				83	102		121			
SNIPER	13					113		131			
2008 MODEL	INCHES	20#	30#	40#	50#	60#	70#	80#	90#	100#	
82 AIRBORNE	12				87	105		118			
101 AIRBORNE	13				65	77		86			
GENERAL	12/Split				230/190*	230/270*		270/310*			
GUARDIAN	12/Split				139	172		205			
COMMANDER	12/Split				214	264		316			
ALLEGIANCE	13				70	85		100			
EQUALIZER	13		44	64	79	100					
CONSTITUTION	13			73	92	113		132			
TOMKAT	14.5				53	64		76			



2007-2005 LIMB DEFLECTION CHARTS

2007 MODEL	INCHES	20#	30#	40#	50#	60#	70#	80#	90#	100#
CONSTITUTION	13			73	92	113	132			
EQUALIZER	13		44	64	79	100				
TRIBUTE	13				83	94	113	128	144	165
ALLEGIANCE	13				70	85	100			
TOMKAT	14.5				53	64	76			
GUARDIAN	12 SPLIT				139	172	205			
COMMANDER	12 SPLIT				142	176	208			
2006 MODEL	INCHES	20#	30#	40#	50#	60#	70#	80#	90#	100#
TRIBUTE	13				83	100	113	128	144	
ALLEGIANCE	13				75	87	100			
TOMKAT E	14.5				53	64	76			
EQUALIZER	13		47	62	83	100				
OLD GLORY	14.5				53	64	76			
CONSTITUTION	13			62	83	100	113			
PBR CF CKECK LIMBS	13				62	75	87			
2005 MODEL	INCHES	20#	30#	40#	50#	60#	70#	80#	90#	100#
ALLEGIANCE VFT	13				75	87	100	113	128	141
BLACKKNIGHT	13				47	59	71			
CONSTITUTION	13			62	75	87	100			
DEFENDER VFT	13				62	75	87			
INDEPENDENCE	13				62	73	83			
JUSTICE VFT	13				62	75	87			
LIBERTY VFT	13				62	75	87			
MIGHTY MITE VFT	13				59	71	83			
MIRANDA	14.5			42	53	64				
OLD GLORY	14.5				53	64	76			
PATRIOT VFT	13				59	73	83			
PBR CF	13				63	75	87			
RASCAL	12	27	41	56						
TOMKAT	14.5				48	60	70			



2004-2003 LIMB DEFLECTION CHARTS

2004 MODEL	INCHES	20#	30#	40#	50#	60#	70#	80#	90#	100#
BLACKHAWK	13.5			46	61	73	85			
BLACKHAWK 2	13		46	61	73	85				
BLACKNIGHT	13				47	59	71			
EXTREME VFT S/C	13.5				61	73	85	97	109	120
JUSTICE VFT	13				62	75	87	100		
LADYHAWK	13.5		46	61	73	85				
LIBERTY VFT	13				62	75	87	100		
MIGHTY MITE VFT	13				59	71	83			
PRO 40 (T) S/C	14.5				60	71	81			
PRO 40 (T) W/C	14.5			29	39	48	57	71		
PATRIOT VFT S/C	13				59	73	85	97		
PATRIOT VFT D/C	14.5				42	51	63			
SAMSON VFT	13 1/2							97	109	120
TOMKAT	14.5				60	71	83			
RASCAL	12	25	41	56						
2003 MODEL	INCHES	20#	30#	40#	50#	60#	70#	80#	90#	100#
BLACKKNIGHTPRO(S)D/C	13.5				48	61	73	85	97	109
BLACKKNIGHTPRO(T)D/C	13.5				48	61	73	85	97	109
BLACKHAWK	13.5			48	61	73	85			
EXTREME VFT S/C	13.5				61	73	85			
GENERATION 3.2 S/C	13.5				61	73	85			
LADYHAWK	13.5		48	61	73	85				
MIGHTY MITE S/C	14.5			48	60	71	83			
PRO 40 (T) D/C	14.5			39	48	57	71			
PRO 40 (T) S/C	14.5				60	71	83			
PRO 40 (T) W/C	14.5				39	48	57	60		
PATRIOT S/C	13.5			61	73	85	97			
PATRIOT D/C	14.5				60	71	83			
PRO 38 (T) S/C	13.5				61	73	85			
RASCAL	12	22	41	56						
SAMSON S/C	13.5							97	109	120
STALKER S/C	14.5			29	39	48	57			
STALKER LITE	14.5		29	39	48	57				
TECH 29 S/C	13.5				61	73	85			
TOMKAT	14.5				71	83				



2002-2000 LIMB DEFLECTION CHARTS

2002 MODEL	INCHES	20#	30#	40#	50#	60#	70#	80#	90#	100#
BLACKHAWK	13.5					73	85			
BLACKKNIGHT P 2	13.5					61	73			
EXTREME SOLO	15.5					49	58			
EXTREME SD	14.5			29	39	48	57			
GENERATION 3.2	13.5				61	73	85			
MIGHTY MITE	14.5			48	60	71	83			
PRO 38	13.5				61	73	85			
PRO 40	14.5				60	71	83			
PATRIOT	13.5			61	73	85	97			
RASCAL	12	22	41	56						
SAMSON	15.5							66	77	88
STALKER	14.5			29	39	48	57			
STALKERLITE	14.5		29	39	48	57				
TECH 29	13.5				61	73	85			
TOMKAT	14.5					71	83			
2001 MODEL	INCHES	20#	30#	40#	50#	60#	70#	80#	90#	100#
BLACKKNIGHT P 2	15.5					37	43			
EXTREME SOLO	15.5					49	58			
EXTREME SD	14.5			31	41	48	57			
GENERATION 3	15.5					49	58			
MIGHTY MITE 7	14.5					71	84			
PRO 38	13.5				62	73	84			
PRO 40	14.5				62	71	84			
STALKER	14.5					48	57			
TECH 29	13.5					73	84			
2000 MODEL	INCHES	20#	30#	40#	50#	60#	70#	80#	90#	100#
BLACKKNIGHT P 2	15.5				31	37	43			
EXTREME SOLO	15.5				43	49	58			
EXTREME SD	14.5			31	41	50	57			
GENERATION 3	15.5				43	49	58			
MIGHTY MITE 8	15.5				58	66	76			
MIGHTY MITE 7	14.5				66	74	86			
STALKER	14.5					50	57			