

Caution: The internal EDGE BEC is not recommended on Helis with blades larger than 425mm. Helis equal to or larger than the Trex 500 need an external BEC as the larger servos pull in excess of 2 amps each which will put the internal EDGE BEC over the 5 amp peak limiting rating. The CC BEC PRO is the best solution Castle offers for these larger models.

Some of the newer servos and/or firmware for the 450 size Helis may be more load than the Internal Edge BEC or Talon can supply.

Castle Creations ESC Application Guide for Helis					
Helicopter	Motor	Recommended ESC(s)	Recommended number of LiPo cells	Recommended motor pinion	Flying style
<b>250 Class Helicopters</b>					
Align 250	Align BL250	Talon 25 or Talon 35	3	15t	3D
Gauli 200	Gauli GM-811-4800	Talon 25 or Talon 35	2 or 3	9t - 15t	Sport, 3D, Extreme 3D
<b>450 Class Helicopters</b>					
Align 450	Align BL 430SP	Talon 35 or Phoenix Edge Lite 50	3	13t	3D
	Castle Vertigo 2615-3460	Talon 35 or Phoenix Edge Lite 50	3	13t or 14t	3D or Extreme 3D
	Scorpion HK 2221-8	Talon 35 or Phoenix Edge Lite 50	3	13t or 14t	3D or Extreme 3D
	Hacker A20-6XL-3500	Talon 35 or Phoenix Edge Lite 50	3	13t or 14t	3D or Extreme 3D
Goblin 380KSE	Scorpion 3020-1000	Phoenix Edge Lite 100**	6	23t	3D or Extreme 3D
Rave 450	Next D (Scorpion) 2221-6	Talon 35 or Phoenix Edge Lite 50	3	11t	3D
	Scorpion 2221-10	Talon 35 or Phoenix Edge Lite 50	4	13t	Extreme 3D
MA Furyon 450	Scorpion 2221-8	Phoenix Edge Lite 50	3	11t - 13t	Sport to Extreme 3D
	Neu 1107H/1.5Y	Phoenix Edge Lite 50	3	11t	Extreme 3D
Blade 400	E-Flite 420H	Phoenix Edge Lite 50	3	10t	Sport or 3D
	Outrage EPT XL	Phoenix Edge Lite 50	6	11t - 13t	Sport to Extreme 3D
Outrage G5	Scorpion 2221-8	Phoenix Edge Lite 50	3	11t - 13t	Sport to Extreme 3D
	Hacker A20-6XL-3500	Phoenix Edge Lite 50	3	11t - 13t	Sport to Extreme 3D
<b>500 Class Helicopters</b>					
Trex 500	Align BL 500L	Phoenix Edge 75** or Phoenix Edge 100**	5 or 6	14t (5s); 12t, 13t (6s)	Sport or 3D
	Castle Vertigo 3525-1420	Talon 90/Phoenix Edge 100**	5 or 6	15t, 16t (5s); 13t, 14t (6s)	Sport, 3D, Extreme 3D
	Scorpion HK 3026-1600	Phoenix Edge 75** or Phoenix Edge 100**	5 or 6	14t, 15t (5s); 13t, 14t (6s)	Sport or 3D
	Scorpion HK 3026-1900	Phoenix Edge 100**	5 or 6	14t (5s); 13t, 14t (6s)	3D or Extreme 3D
	Hacker A40-10s	Phoenix Edge 75** or Phoenix Edge 100**	5 or 6	15t, 16t (5s); 13t, 14t (6s)	Sport, 3D, Extreme 3D
	Neu 1708H/1YKDE-1430	Phoenix Edge 100**	6	15t or 16t	3D or Extreme 3D
Goblin 500 Sport	Scorpion HK4020-1350	Phoenix Edge Lite 100**, Talon 90	6	18t	3D or Extreme 3D
HDX HC500	Outrage EPT 1320	Phoenix Edge 75** or Phoenix Edge 100**	6	13t - 16t	Sport or 3D
	Neu 1708H/1Y 1275	Phoenix Edge 75** or Phoenix Edge 100**	6	13t - 16t	Sport to Extreme 3D
	Hacker A40-10s-1320	Phoenix Edge 75** or Phoenix Edge 100**	6	13t - 16t	Sport to Extreme 3D
Compass Atom	C 5016-1080	Phoenix Edge 75** or Phoenix Edge 100**	6	8t - 10t	Sport to Extreme 3D
	Hacker A40-16s-1000	Phoenix Edge 75** or Phoenix Edge 100**	6	9t - 11t	Sport to Extreme 3D
MSH Protos	MSH-800	Phoenix Edge 75** or Phoenix Edge 100**	5 or 6	15t - 20t	Sport to Extreme 3D
	Neu 1708H/1.5Y 850	Phoenix Edge 75** or Phoenix Edge 100**	5 or 6	15t - 19t	3D or Extreme 3D
	Scorpion 3026-880	Phoenix Edge 75** or Phoenix Edge 100**	6	14t - 16t	Sport, 3D, Extreme 3D
JR Vibe 500	E-Flite Power 25-1000	Phoenix Edge 75** or Phoenix Edge 100**	6	12t or 13t	Sport or 3D
	Hacker A40-16s-1000	Phoenix Edge 75** or Phoenix Edge 100**	6	12t or 13t	Sport or 3D
Mikado 400	Scorpion 3026-1400	Phoenix Edge 75** or Phoenix Edge 100**	5 or 6	20t - 22t	Sport to Extreme 3D
	Castle Vertigo 3424-1800	Phoenix Edge 100**	6	15t - 17t	Sport to Extreme 3D
	Scorpion 3026-1600	Phoenix Edge 75** or Phoenix Edge 100**	5 or 6	17t - 19t	Sport to Extreme 3D
	Hacker A40-10s-1600	Phoenix Edge 75** or Phoenix Edge 100**	6	17t - 19t	Sport to Extreme 3D
	Neu 1708H/1YKDE-1430	Phoenix Edge 100**	6	20t - 22t	Sport to Extreme 3D
<b>550 Class Helicopters</b>					
Trex 550	Align 600MX	Talon 90	6	11t	3D
Align 550X Dominator	Castle Vertigo 3530-1175	Talon 90/Phoenix Edge 100**/Phoenix Edge 130**	6	11t-12t	3D or Extreme 3D
	BL 730MX	Talon 90 or Talon HV 120	6	16t	
Goblin 570 KSE	Scorpion HK 4025-1100	Talon HV 120, Edge HV120	6	23t	3D or Extreme 3D
Logo 500	Xnova 4025-1100	Phoenix Edge 100** or Talon 90	6	18t or 19t	3D or Extreme 3D
	Neu 1907H/1Y	Phoenix Edge 100**	6	11t or 12t	3D or Extreme 3D
Outrage 550	Neu 1907H/1.5Y	Phoenix Edge 100**	8	13t or 14t	3D or Extreme 3D
	Scorpion 4025-890	Phoenix Edge 100**	8	14t - 17t	Sport to Extreme 3D
	Scorpion 4025-1100	Phoenix Edge 100**	6	16t - 18t	Sport to Extreme 3D
Mikado 500	Neu 1907H/1.5Y	Phoenix Edge 100**	6	14t - 17t	Sport to Extreme 3D
	Hacker A40-10L-ET 1100	Phoenix Edge 100**	6	15t - 17t	Sport to Extreme 3D
	Castle Vertigo 3530-1175	Phoenix Edge 130**, Phoenix Edge HV 120, Talon HV 120	6	12t-13t	Sport to Extreme 3D
Synergy E5	Scorpion 4025-1100	Phoenix Edge 130**, Phoenix Edge HV 120, Talon HV 120	6	12t-13t	Sport to Extreme 3D
	Scorpion HK4525-520	Phoenix Edge HV 120, Talon HV 120	12	13t	Extreme 3D
<b>600 Class Helicopters</b>					
Mikado 600	Scorpion 4035-560	Phoenix Edge HV 80 or Phoenix Edge HV 120	10 or 12	10t - 15t	Sport to Extreme 3D
	Scorpion 4035-630	Phoenix Edge HV 80 or Phoenix Edge HV 120	10 or 12	10t - 15t	Sport to Extreme 3D
	Hacker A50-12L ET	Phoenix Edge HV 80 or Phoenix Edge HV 120	8 or 10	16t or 17t	Sport to Extreme 3D
Logo 600SE	Scorpion HKIII 4035-450	Talon HV 120, Phoenix Edge HV 120	12	12	3D or Extreme 3D
Trex 600	Align BL650L	Phoenix Edge 100**	6	14t - 17t	3D
	Castle Vertigo 3538-530	Phoenix Edge HV 120	12	13t	Sport to Extreme 3D
	Scorpion 4025-890	Phoenix Edge 100**	8	15t	Extreme 3D
	Neu 1515H/2.5D-1650	Phoenix Edge 100**	6	12t or 13t	3D or Extreme 3D
	Neu 1907H/1Y-1400	Phoenix Edge 100**	6	13t or 14t	3D
	Neu 1912H/1Y-825	Phoenix Edge HV 80	10	13t - 15t	3D or Extreme 3D
	Neu 1910H/1Y-1050	Phoenix Edge HV 80 or Phoenix Edge 100**	8	13t - 15t	3D or Extreme 3D
Trex 600 EFL	Castle Vertigo 3538-530	Phoenix Edge 120	12	13t	3D or Extreme 3D
	Align 600 MX 12s 10 pole	Phoenix Edge HV 80-120	12	13t	3D or Extreme 3D
<b>700 Size Helicopters</b>					
Align 700X	Scorpion HK 4525-520	Phoenix Edge HV 120, Talon HV 120 or Phoenix Edge HV 160	12	13t	3D or Extreme 3D
Trex 700E	Align 700M-510	Phoenix Edge HV 120	12	12t	3D
	Castle Vertigo 4540-490	Phoenix Edge HV 120, Talon HV 120 or Phoenix Edge HV 160	12	12t or 13t	3D or Extreme 3D
	Neu 1917H/1YKDE-520	Phoenix Edge HV 120*, Talon HV 120* or Phoenix Edge HV 160	12	12t or 13t	3D or Extreme 3D
Trex 700 Conversions	Neu 1915H/1.5Y-450	Phoenix Edge HV 120	12	18t - 20t	3D
	KDE 700 XF/495	Phoenix Edge HV 120*, Talon HV 120* or Phoenix Edge HV 160	12	12t - 13t	3D or Extreme 3D
	Castle Vertigo 4540-490	Phoenix Edge HV 120*, Talon HV 120* or Phoenix Edge HV 160	12	12t - 13t	3D or Extreme 3D
	Scorpion HK 4035-530	Phoenix Edge HV 120 or Phoenix Edge HV 160	12	12t or 13t	3D or Extreme 3D
	Hacker A50-14L ET	Phoenix Edge HV 120 or Phoenix Edge HV 160	12	15t	3D
Avant Aurora 700E	Neu 1915H/1.5Y-450	Phoenix Edge HV 120 or Phoenix Edge HV 160	12	11t or 12t	3D or Extreme 3D
	Neu 1917H/1YKDE-520	Phoenix Edge HV 120 or Phoenix Edge HV 160	12	10t - 12t	3D or Extreme 3D
	Scorpion 4035-500	Phoenix Edge HV 120 or Phoenix Edge HV 160	12	10t - 12t	3D or Extreme 3D
Bergin Tazer	Neu 1915H/1.5Y-450	Phoenix Edge HV 120 or Phoenix Edge HV 160	10 or 12	Two-stage	Sport or 3D
	Scorpion 4035-560	Phoenix Edge HV 120 or Phoenix Edge HV 160	10 or 12	Two-stage	Sport or 3D
Logo 700	Hacker A50-14L-540	Phoenix Edge HV 120* or Phoenix Edge HV 160	10 or 12	Two-stage	Sport or 3D
	Scorpion HK4525-520	Phoenix Edge HV 120*, Talon HV 120* or Phoenix Edge HV 160	12	13	3D or Extreme 3D
Rave 90 ENV/ Ballistic	Next D (Scorpion) 4035-560	Phoenix Edge HV 120*, Talon HV 120* or Phoenix Edge HV 160	12	15t - 17t	Sport, 3D, Extreme 3D
	Castle Vertigo 4540-490	Phoenix Edge HV 120*, Talon HV 120* or Phoenix Edge HV 160	12	16t - 19t	Sport to Extreme 3D
	Neu 1915/1.5Y-450	Phoenix Edge HV 120*, Talon HV 120* or Phoenix Edge HV 160	12	19t - 21t	Sport, 3D, Extreme 3D
Synergy E7 SE	Neu 1917H/1YKDE-520	Phoenix Edge HV 120*, Talon HV 120* or Phoenix Edge HV 160	12	17t - 19t	3D or Extreme 3D
	Castle Vertigo 4540-490	Phoenix Edge HV 120*, Talon HV 120* or Phoenix Edge HV 160	12	12t - 13t	3D or Extreme 3D
	Scorpion HK 4525-520	Phoenix Edge HV 120*, Talon HV 120*, Phoenix Edge HV 160 or Phoenix Edge HVF 160	12	12t or 13t	3D or Extreme 3D
Synergy 766	KDE 700 XF/495	Phoenix Edge HV 120*, Talon HV 120*, Phoenix Edge HV 160 or Phoenix Edge HVF 160	12	12t - 13t	3D or Extreme 3D
	Scorpion HK 4530-540kv	Phoenix Edge HV 160 or Phoenix Edge HVF 160	12	12t	3D or Extreme 3D
	Scorpion HK 4525-520kv	Phoenix Edge HV 160 or Phoenix Edge HVF 160	12	12t	3D or Extreme 3D

Note: Phoenix Edge HV ESCs do not have an on-board BEC; use of an external BEC or receiver battery pack is required.

\*Denotes ESC for 3D use; for Extreme 3D choose alternative option.

\*\* On-board BEC is undersized; use of an external BEC or receiver battery pack is highly recommended.