

1/64" ply doublers on both sides of fuselage (see side view)

6mm Depron Fuse

Molded Carbon Gear Legs

3/8"x3/8" Hardwood motor block
Groove block to fit carbon rod.
If using GWS 350 Drive, mount block on Carbon rod so that the prop/drive shaft is in the same location as shown on plans.

3/16" zipties

LiPo Battery
2100(3s2p)

Aileron Servo
(HS-56HB Shown)
(1 Each Side)

Rudder Servo
(HS-56HB Shown)

Elevator Servo
(HS-56HB Shown)

4mm Carbon Spar

6mm Depron Fuse Rails

Carbon Tail wheel bracket

1/16" wire wheel axel/steering arm
(Bend 90 deg. at the top to form a control arm. Use clamp on ball link to attach to rudder control horn)

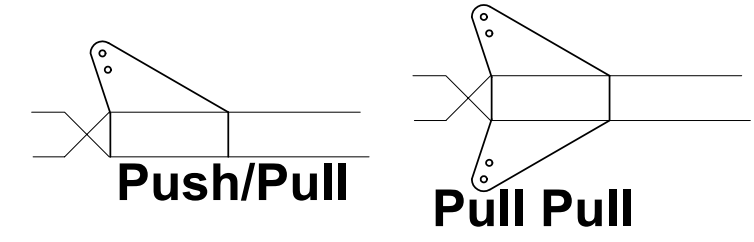
Use Cotterpin to adjust tension on pull-pull system.
Mount using Dubro EZ Conectors

Hacker B20-15L shown

Molded Carbon Fiber Gear

Vacuum Formed Wheel Pants

Cut Control horns from 1/32" ply or a plastic coffee can lid.

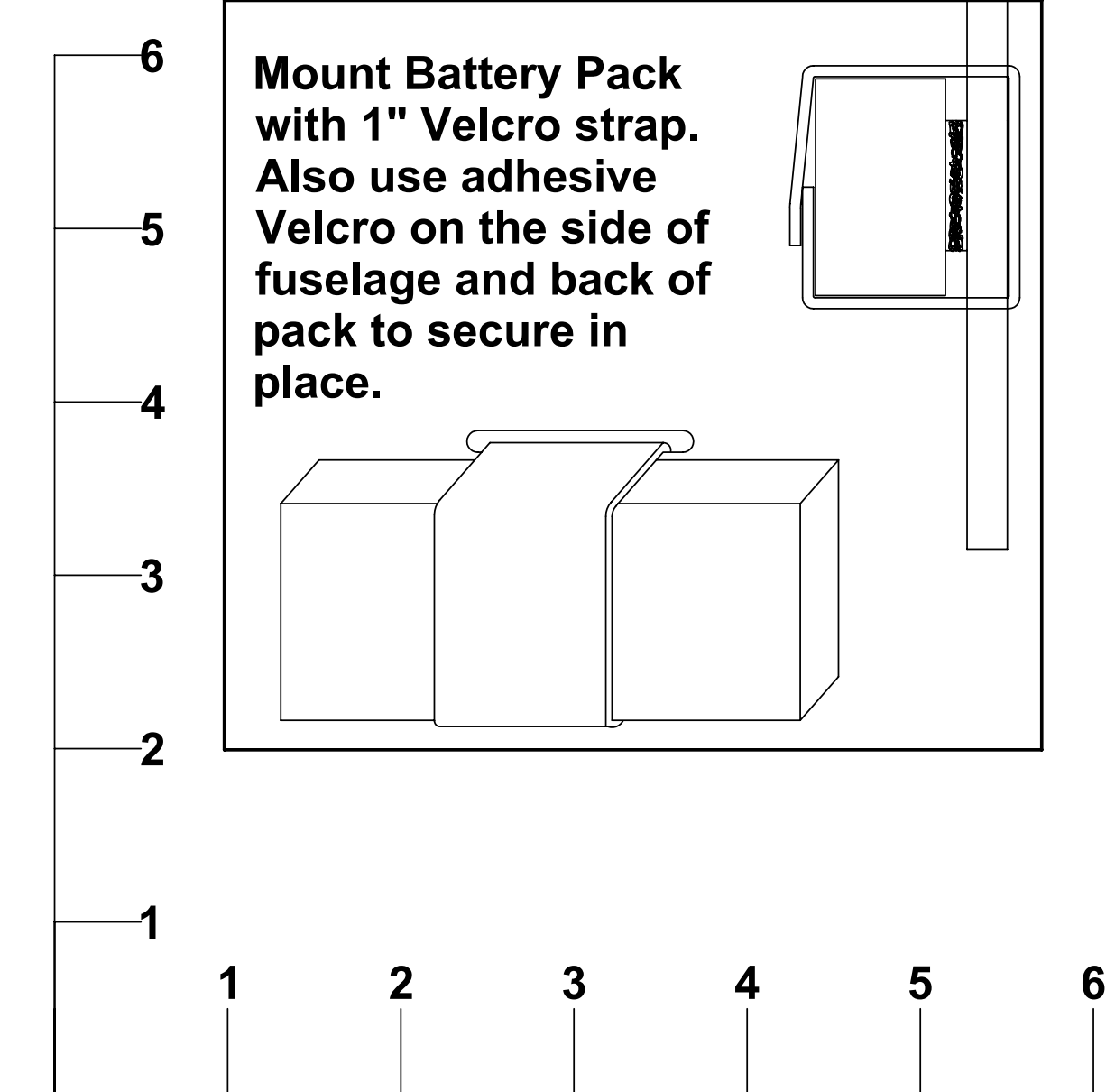
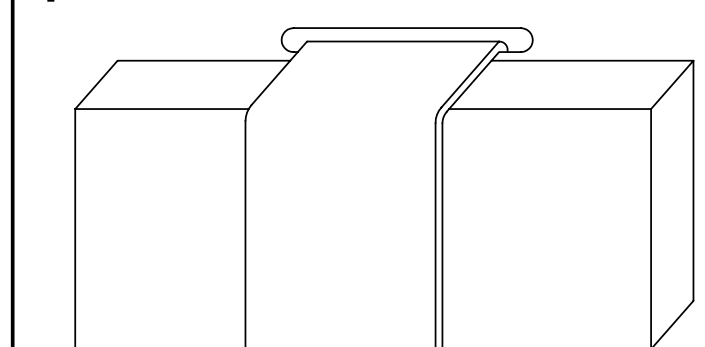


All hinging for control surfaces can be packing tape or actual hinges. I prefer robart hinge points epoxied in place for the added longevity and control freeness.

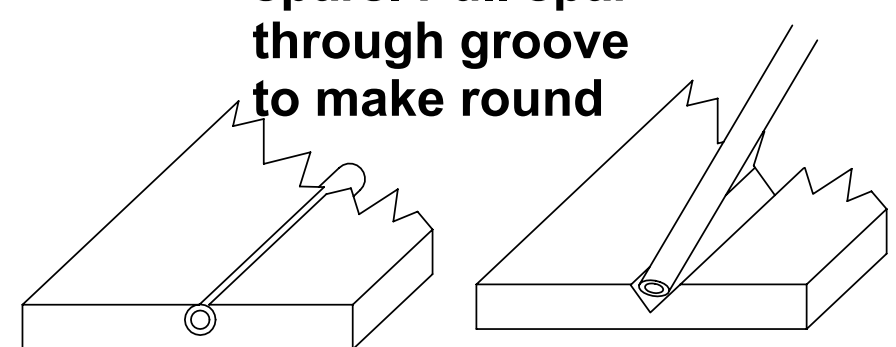
Motor/Battery Info

Motor Gearing Prop Battery Amp Draw Thrust		
GWS EPS350C DS (6.6:1)	GWS 12x6 2s1p LiPo	9.5 17.1 oz.
GWS EPS350C DS (6.6:1)	GWS 11x4.7 3s1p LiPo	11.5 24.3 oz.
Hacker B20-26S 4:1 Planetary APC	11x4.7 3s1p LiPo	11 amps 22.1 oz.
Hacker B20-31S 4:1 Planetary APC	11x4.7 3s1p LiPo	7.7 amps 18.6 oz.
Hacker B20-15L 4:1 Planetary APC	11x4.7 3s2p LiPo	19.5 amps 38.5 oz.
Hacker B20-15L 4:1 Planetary APC	11x4.7 2s1p LiPo	10.8 amps 20.6 oz.
Hacker B20-18L 4:1 Planetary APC	11x4.7 3s1p LiPo	11.7 amps 27.7 oz.
Hacker B20-18L 4:1 Planetary APC	12x6 3s2p LiPo	19 amps 36.7 oz.
Razor RZ300 GWS/5.3:1 GWS	11x4.7 2s1p LiPo	8.8 amps 15.7 oz.
Razor RZ300 GWS/5.3:1 GWS	12x6 2s1p LiPo	9.9 amps 18.5 oz.
Razor RZ300 GWS/6.6:1 GWS	11x4.7 3s1p LiPo	12 amps 26 oz.
Razor RZ350 GWS/6.6:1 GWS	12x6 3s1p LiPo	12.4 amps 27 oz.
Razor RZ350 GWS/6.6:1 GWS	11x4.7 3s1p LiPo	8.7 amps 21.2 oz.
Razor MicroHeli v2 GWS/6.6:1 GWS	12x6 3s1p LiPo	8.9 amps 22.8 oz.
PJS 3D 500 Direct APC	10x4.7 3s2p LiPo	16.4 amps 21.9 oz.
PJS 3D 550 Direct APC	10x4.7 3s2p LiPo	13.8 amps 20.7 oz.
HiMax HA2015-3600 GWS/5.3:1 GWS	12x6 3s1p LiPo	8.7 amps 20.5 oz.
HiMax HA2015-3600 GWS/6.6:1 GWS	12x6 3s1p LiPo	6.5 amps 18.5 oz.
HiMax HA2015-4100 GWS/6.6:1 GWS	12x6 3s1p LiPo	11.2 amps 26.4 oz.
HiMax HA2015-4100 GWS/5.3:1 GWS	11x4.7 3s1p LiPo	11.6 amps 25.2 oz.
HiMax HA2015-5400 GWS/6.6:1 GWS	12x6 2s1p LiPo	10.2 amps 17.8 oz.
HiMax HA2025-3236 3.6:1 Planetary APC	11x4.7 3s2p LiPo	14 amps 29.3 oz.
HiMax HA2025-3236 3.6:1 Planetary APC	12x6 3s2p LiPo	17 amps 32.2 oz.
HiMax HA2025-4236 4.3:1 Planetary APC	11x4.7 3s2p LiPo	20.2 amps 38.1 oz.

Mount Battery Pack with 1" Velcro strap. Also use adhesive Velcro on the side of fuselage and back of pack to secure in place.



Cut a "V" groove in foam for spars. Pull spar through groove to make round



Specs:

The Raven 3D

3D FOAMY

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Weight	10.5-15.5 oz.
Thrust	24-39 oz.
Radio	4-5 Chanel
Area	301.4 in2
Loading	4.2-7.2 oz/ft2
WWW.3DFOAMY.COM	