

Please send additions or corrections to: noosarobotics@gmail.com

We do our best to keep this up to date, but suppliers/kits come and go without notice.

1. Antweight Kits (150 g):

- a. [Slipper](#) (US)
- b. [Slammer](#) (US)
- c. [Squeezy](#) (US)
- d. [Squeez4r](#) (US)
- e. [Santis](#) (US)
- f. [Flipper Ant](#) (UK)
- g. [Grabber Ant](#) (UK)
- h. [Pusher Ant](#) (UK)
- i. [Semi Complete Wedge Kit \(Chassis + Electronics + battery\)](#) (NZ)
- j. [Hummingbird Lifter/Pusher/Hammer](#) (US)
- k. [Drumbotics](#) (EU)

2. Beetleweight Kits (3 lb):

- a. [D2](#) (US)
- b. [Jolt!](#) (US)
- c. [Weta X](#) (US)
- d. [Donkey](#) (UK)
- e. [Peter Bar Kit](#) (US)
- f. [Black Frost](#) (US)
- g. [MW1](#) (US)
- h. [SSP](#) (US)

3. Common Part CAD Files (Fusion 360):

- a. [Malenki Nano \(integrated version\)](#)
- b. [Malenki Nano HV](#)
- c. [5AX2 Dual ESC](#)
- d. [Generic Micro Servo](#)
- e. [Corona DS939HV Servo](#)
- f. [Generic Servo Single Arm](#)
- g. [N20 Gear Motor](#)
- h. [N20 Red Motor Driver](#)
- i. [FRSky 4 CH Receiver](#)

4. Australian Robot Parts Shops:

- a. <https://botbitz.com.au/>
- b. <https://llamaforge.com>
- c. <https://www.robotgear.com.au>

5. International Robot Parts Shops:

- a. <https://combatrobotics.co.nz/> (New Zealand)
- b. <https://turnabot.com/collections/parts> (US)
- c. <https://rectifiedrobotics.com/> (US)

- d. <https://www.owobotics.com> (UK)
- e. <https://www.robocore.net> (Brasil)
- f. <https://robotmatter.com> (US)
- g. <https://www.servocity.com/premium-planetary-gear-motors> (US)
- h. <https://absolutechaosrobotics.bigcartel.com> (US)
- i. <https://kitbots.com/shop> (US)
- j. <https://banebots.com> (US)
- k. <https://repeat-robotics.com/shop> (US)
- l. <https://palmbeachbots.com> (US)
- m. <https://monsoonrobotics.co.uk> (UK)
- n. <https://www.fingertechrobotics.com/> (Canada)
- o. <https://www.revrobotics.com> (US)
- p. <https://shop.bristolbotbuilders.com> (UK)
- q. <https://www.botkits.com> (US)
- r. <https://justcuzrobotics.com> (US)
- s. <http://www.robotpower.com> (US)
- t. <https://www.robotmarketplace.com> (US)
- u. <https://nutsandbots.co.uk/product-category/components/> (UK)
- v. <https://itgresa.com/> (US - Does not ship outside of the US)

6. General Hardware

- a. Cut to size parts and hardware <https://sg.misumi-ec.com/> (Singapore)
- b. Small v Belts (beetleweight)
<https://beltzoom.com/collections/duraflex-gl-polyurethane> (US)
- c. Every bit of hardware on earth <https://www.mcmaster.com/> (US)

7. Calculators

- a. Wheel Size to Speed Calc <https://turnabot.com/pages/tools-and-calculators>
- b. Brushless Drive Calc http://runamok.tech/squid/bl_torquecalc.htm
- c. Brushed Drive Calc <http://runamok.tech/squid/newtorquecalc.htm>
- d. Lots of different calculators: <http://runamok.tech/AskAaron/tools.html>

8. Outsource Fab Services

- a. <https://www.xometry.com/> (global)
- b. <https://sendcutsend.com/> (US)
- c. <https://cncmadness.com/> (Canada)
- d. <https://www.pcbway.com/> (China)
- e. <https://www.protolabs.com/> (US)
- f. <https://www.shapecut.com.au/> (AU)
- g. <https://www.allmetalproducts.com.au/> (AU)
- h. <https://www.scmakerspace.com.au/> (AU)
- i. <https://jlpcb.com/> (China)
- j. <https://www.ztltech.com/> (CN)

9. Building Tutorials/Resources

- a. [Bristol Bot Builders Guide](#)
- b. [Antweight Combat Robot - Part 1: Design](#)
- c. [Beetleweight Brushless Drive Tutorial](#)

- d. [How to Battle-Harden Motors](#)
- e. [Runamok](#)
- f. [3D Print your own mini battlebot! \(FULL tutorial FREE .stl download\)](#)
- g. [3D Print Durability in Robot Combat \(the Chronicles of Vanguard\)](#)
- h. [How to Use Fusion 360 to Design a Combat Robot \(Foxic CAD-A-Long: Part 1\)](#)
- i. <https://www.instructables.com/Mini-Combat-Robot-for-All-Ages-Fairyweight-150-Gra/>

10. Rules

- a. [Commonly used in Australia - SPARC](#) - See specific club rules in the Australian Robot Groups section
- b. [Rules common in the UK](#)

11. Events Listing Sites

- a. [Robogames](#)
- b. [Builders Database](#)
- c. [Robot Combat Events](#)

12. Best Reading Resources

- a. Robert Cowan's [Combat Robot Resource Guide](#)
- b. <http://runamok.tech/AskAaron.html>
- c. <https://www.riobotz.com/riobotz-combot-tutorial>

13. Australian Robot Groups

Always check their websites for the latest versions of rules.

- a. [Adelaide](#) → [Match Rules](#) [Build Rules](#)
- b. [Noosa](#) → [Build Rules](#)
- c. [Ipswich](#) → [Match & Build Rules](#) (And a really informative guide!)
- d. [Melbourne](#) → [Match & Build Rules](#)
- e. [West AU](#)
- f. [Albury](#)
- g. [Sydney](#) → [Build Rules](#)
- h. [RoboWars](#) → [Build Rules](#)

14. Global Leagues

- a. NHRL (USA) <https://www.nhrl.io/> (Awesome fight videos on youtube)
- b. <https://robotcombatleague.net/>

15. Other Resources:

- a. Adelaide Robot Combat Parts List [parts list.xlsx](#)
- b. [Power Switch Plans](#)
- c. [Parts and build logs of bots](#)
- d. [Antweight Printable Designs](#)
- e. [Green Ant flipper printable files](#)
- f. [Maker's Muse Lifter Design](#) (files only, no instructions)
- g. <https://absolutechaosrobotics.wordpress.com/>
- h. <https://thevariableconstant.blogspot.com/>

- i. <https://www.etotheipiplusone.net/>
- j. [N20 Motor Selection tips](#)