

Lynx Arms - Increasing Lifting Capacity.

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Power Supply.

The arms ship with a 6.0vdc 2.0amp wall pack. This is more than adequate for normal applications. More power can be obtained from the arm servos (HS-422 and HS-475) at 7.2vdc, but not the micro servos used in the gripper. They will become jittery when used with more than 6.0vdc. Alternately, a battery pack can be used, but the same voltage restrictions apply.

Load Balancing.

Adding a spring or rubber band to the back of the elbow as illustrated in Figure 1 will balance the load. The downward force of the spring creates an upward force on the gripper end. This allows heavier objects to be lifted and manipulated. You will need to experiment with springs of different length and strength to find the right one.



Figure 1.