

## Catapult Materials List

(Manual Release Model)

11/26/07

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| Item Description                 | Req'd Per Catapult | Supplier                       | Supplier Stock # | Price             | Cost per Catapult | Notes   | Order Quantity per 3000Catapults                           |
|----------------------------------|--------------------|--------------------------------|------------------|-------------------|-------------------|---|--|
| Base, 4.75 x 9.5 x 15/32"<br>OSB | 1                  | Local Lumber Yard              |                  | \$10/4x8 Sheet    | \$0.10            | 100 4.75" x 9.5" pieces cut from 4x8' Sheet   | 30 sheets  |
| Aluminum Flat .188 x .5 x 8"     | 1                  | MSC Industrial                 | 05207337         | \$9.27 / 72"      | \$1.16            | 8 pieces cut from 1 flat                      | 275 flats  |
| Aluminum Rod .375 x 2.5"         | 1                  | MSC Industrial                 | 32011777         | \$7.70 / 72"      | \$0.30            | 26 pieces cut from 1 rod                      | 116 rods   |
| Aluminum Sheet 3 x 4.5 x .050"   | 2                  | Ryerson Steel                  |                  | \$25 /3x6' Sheet  | \$0.50            | 100 pieces per 3x6 Sheet (min order required) | 30 sheets required, minimum order 200 sheets for \$4900.00 |
| Self Tapping Screw #7 x .5"      | 6                  | MSC Industrial                 | 87908331         | \$4.31 / 100      | \$0.30            |   | 180 boxes  |
| Machine Screw 6x32 x .675"       | 1                  | MSC Industrial                 | 87913448         | \$2.24 / 100      | \$0.03            |   | 30 boxes   |
| Machine Screw Nut 6x32           | 1                  | MSC Industrial                 | 87921276         | \$0.88 / 100      | \$0.01            |   | 30 boxes   |
| Internal Tooth Lock Washer #6    | 1                  | MSC Industrial                 | 87920724         | \$1.07 / 100      | \$0.02            |   | 30 boxes   |
| Flat Washer #6                   | 1                  | MSC Industrial                 | 67746404         | \$0.92 / 100      | \$0.01            |   | 30 boxes   |
| Nylon Screw 1/4x20 x .25"        | 1                  | MSC Industrial                 | 67350405         | \$12.43 /100      | \$0.13            |   | 30 boxes   |
| Nylon Nut 1/4x20                 | 1                  | MSC Industrial                 | 67352047         | \$7.71 / 100      | \$0.08            |   | 30 boxes   |
| Music Wire .075 x 12"            | 1                  | MSC Industrial                 | 31980923         | \$6.82 / 68' Coil | \$0.10            | 68 pieces cut from 1 coil                     | 45 coils   |
| Bearing .25 x .375 x .375"       | 2                  | MSC Industrial                 | 05025077         | \$0.32            | \$0.64            |   | 6000 bearings  |
| Fender Washer 7/32 x 1 1/4"      | 1                  | McMaster-Carr                  | 91090 A104       | \$7.41 / 100      | \$0.08            |   | 30 boxes   |
| Heat Shrink Tubing 3/4 x 1"      | 1                  | All Electronics                | HUG-34B          | \$3.15 / 4'       | \$0.07            | 48 pieces from each tube                      | 63 4 ft. lengths   |
| Thread Locker High Strength      | 1                  | Harbor Freight                 | 94420-0VGA       | \$9.99 / 1.8oz    | \$0.04            | 250 application / bottle                      | 12 bottles   |
| 16 Penny Nail                    | 1                  | Local Lumber Yard              |                  | \$0.05            | \$0.05            |   | 3000 nails   |
| Bumper Stop 1.5"                 | 1                  | Noodle from local Dollar Store |                  | \$1.00            | \$0.02            | 60 cut from 1 noodle                          | 50 noodles   |
| Steel Strapping 3/4 x .020 x 5"  | 1                  | MSC Industrial                 | 0170699          | \$153 / 2000'     | \$0.04            | 4800 cut from 1 spool                         | 1 spool  |