6” Comprehensive Parts List

Reference for 8” and 10”

https://drive.google.com/folderview?id=0BxXyjHIezGQrbno0R293bmlCUVU&usp=drive\_web

# Propulsions

* Graphite throat for nozzle - FE250 lathed from 4x4x6” block for 6” static fire from **Kevin Anderson** <[KevinA@etm-lb.com](mailto:KevinA@etm-lb.com)>, bought G330 (higher grade, more density needed) for 6” flight, G330 will be needed for all further flights as well
* Phenolic carrier for nozzle - “Machinable Garolite (LE)” from McMaster-Carr, lathed from multiple blocks 1.5” thick epoxied onto each other, could possibly buy rod version instead for future as it will be one piece : http://www.mcmaster.com/#garolite/=121yfgj
* Aluminum carrier for nozzle - from 6061-T6 stock at IMS, lathed to design
* Forward Bulkhead, Aluminum 6061-T6 stock at IMS lathed to design
* Casting Tubes ( Paper Reinforced XX Tubing 5.375 OD x 5.187 ID x .093 Wall 9 Feet Min Order ) ordered from <http://k-mac-plastics.com/xx-laminate-tubes.htm>
* Phenolic Liners (5.375 ID x .125 Wall) ordered from: Scott Kormier of Loki Rocketry
* Aluminum 6061-T6 motor casing- 6” OD, 3/16”(.1875) wall thickness: drilled holes in side for pin slots
* Pull Out Dowel Pins from Mcmaster-Carr for nozzle and forward bulkhead
  + http://www.mcmaster.com/#standard-dowel-pins/=121yho0

GENERAL: Aeropoxy+Filler

White Lithium Grease

multipurpose (silicone) orange <http://www.mcmaster.com/#o-rings/=121yjuk> (when in doubt lower 0 rings size)

Igniters (from Jon Newman)