



Available for Immediate Shipment!

AeroTech RMS™ K1800ST-PS Rocket Motor Reload Kit

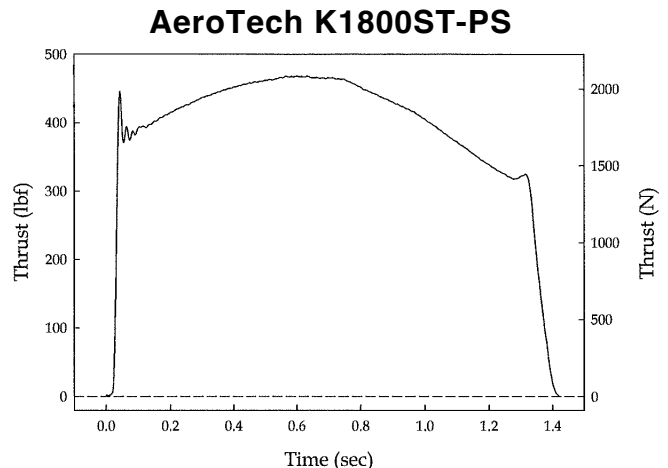
New Product Information Release 11/23/2022

AeroTech/Quest is pleased to announce the Tripoli certification and immediate availability of our new RMS Reloadable Motor System™ K1800ST-PS rocket motor reload kit, designed to use our two-grain RMS-75/2560 hardware.

Perfect for heavy rockets launched from small fields, the K1800ST-PS delivers 2,440 N-Sec (548.6 lb.- Sec.) of total impulse with a 1.4 second burn time and an all-up weight in motor hardware of 6.1 lb. (2,766.9 g). It's also a great booster for two-stage rockets, and features 2.45 lb. (1,113 g) of AeroTech's aerospace-grade Super Thunder™ (ST) propellant formulation with a burn rate midway between Blue Thunder™ and Warp-9™ propellant types. The K1800ST-PS generates a peak thrust of 2,082.4 N (468.1 lb.) with an average thrust of 1,776.5 N (399.4 lb.). Super Thunder propellant displays a bright blue flame with prominent Mach diamonds and little smoke. Although the K1800ST-PS produces tracking smoke, it is a "plugged" motor that does not include an ejection charge and requires the utilization of an electronically-activated recovery system.

K1800ST-PS Specifications

Diameter: 75mm (2.95")
Length: 402.0mm (15.8")
Propellant: Super Thunder
Total Impulse: 2,440 N-Sec. (548.6 lb.-Sec.)
Burn Time: 1.4 Seconds
Peak Thrust: 2,082.4 N (468.1 lb.)
Delay Time: Plugged with Smoke
Propellant Weight: 1,113 g (2.45 lb.)
Loaded Weight: 2,766.9 g (6.1 lb.)
Product No. 11180P



California State Fire Marshal classification and approval has been granted for the K1800ST-PS RMS Reload Kit. It ships with a standard FirstFire™ Initiator, has a suggested retail price of \$249.99 each and may be purchased by consumers 18 years of age or older with a minimum Level 2 NAR or TRA Certification, or by educational institutions, government agencies and licensed commercial entities.

AeroTech invented the reloadable high-power rocket motor in 1990 and continues to lead the hobby & sport rocket industry in single-use and reloadable rocket motor technology. All RMS motor hardware features aircraft-grade machined aluminum casings and forward and aft closures with integral thrust rings. Thrust rings on RMS motors are designed to fit standard motor retainers.

TRA certification documents, RMS motor instructions and assembly drawings for the entire RMS line will be available for download in PDF format from the Resource Library on the AeroTech/Quest website at <http://www.aerotech-quest.com>.

For more information or to order contact: customerservice@aerotech-rocketry.com