



Available for Immediate Shipment!
Q-Jet™ F41W Single-Use Rocket Motor
New Product Information Release 10/9/2023

AeroTech/Quest is pleased to announce the Tripoli certification and immediate availability of our new Q-Jet 24mm x 95mm F41W single-use White Lightning™ model rocket motor, available in 3 delay times.

The new F41W model rocket motor is a mid-range “F” producing nearly 47.7 N-Sec (10.7 lb.-Sec) of total impulse with a 1.1 second burn time. Using 0.96 oz. (27.1 g) of White Lightning propellant, AeroTech’s most popular solid composite propellant formulation, this new motor has a total weight of 2.0 oz. (56.9 g). AeroTech’s White Lightning propellant produces a brilliant white exhaust plume, bright white smoke and a throaty roar at lift-off. This new Q-Jet rocket motor uses the same family of aerospace grade solid composite propellant as NASA’s Space Shuttle boosters, military missiles, sounding rockets and NASA’s SLS moon rocket boosters. The F41W generates a peak thrust of 54.2 N (12.2 lb.) with an average thrust of 42.2 N (9.5 lb.).

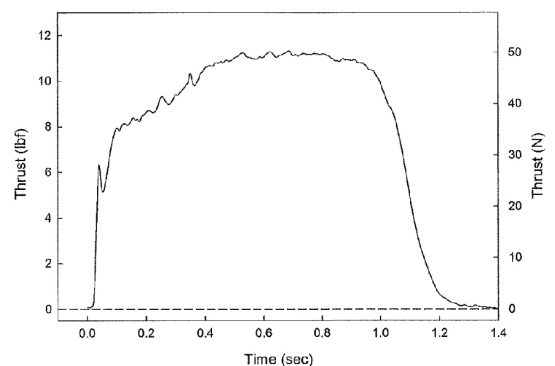
The F41W is available in 5 (No. 6160), 8 (No. 6162) and 11 (No. 6164) second delay times and features a built-in thrust ring eliminating the need for an internal motor block. This 24mm x 95mm Q-Jet rocket motor is smaller and 40% lighter than its 29mm x 114mm F15 black powder (BP) competitor and is designed to fit a much broader range of rocket kits. The new smaller and lighter F41W model rocket motor delivers 96.2% of the total impulse of an F15 BP model rocket motor. Packaged in a full-color clamshell with FirstFire™ Micro Initiators, the F41W has a 2-pack SRP of \$28.99 and is USPS, FedEx and UPS shippable with no HazMat fee.



F41W Specifications

Diameter: 24mm (0.95")
Length: 95mm (3.7")
Propellant: White Lightning™
Total Impulse: 47.7 N-Sec. (10.7 lb.-Sec.)
Burn Time: 1.1 Seconds
Peak Thrust: 54.2 N (12.2 lb.)
Delay Time: 5, 8 and 11 seconds
Propellant Weight: 27.1 g (0.96 oz.)
Loaded Weight: 56.9 g (2.0 oz.)

Q-Jet F41W Performance



California State Fire Marshal classification and approval has been granted for the F41W model rocket motor.

TRA certification documents for the F41W will be available for download in PDF format from the Resource Library on the AeroTech-Quest website at <http://www.aerotech-quest.com>