

AEROTECH[®]
CONSUMER AEROSPACE

QUEST[™]
By **AEROTECH**[®]
Shaping the Future of Model Rocketry

THRUST YOU CAN TRUST![™]

MODEL ROCKET & MID-POWER HOBBY ROCKET CATALOG



Low-Power Model Rocketry
"A" to "D" Size
Model Rocket Motors



Mid-Power Model Rocketry
"E", "F" & "G" Size
Model Rocket Motors



QUICK-Q™ FLYING MODEL ROCKET STARTER SET (No. 1408)

**FEATURES Q-JET
WHITE LIGHTNING™
COMPOSITE PROPELLANT
MODEL ROCKET MOTORS!**

Ready To Launch In 30 To 45 Minutes
Features Reusable Range Operations Box

*Also available as The Quick-Q
Launch Set (No. 1409) without
Q-Jet Model Rocket Motors,
Initiators (igniters) and Parachute
Recovery Wadding.*

QUICK-Q MODEL ROCKET KIT

Colored Body Tubes & Plastic Parts
Kevlar Shock Cord System
14" dia. Recovery Parachute
Stick-On Decals

LIFT-OFF LAUNCH PAD

Tilt Adjustment
Rocket Stand-Off
36" Launch Rod
Metal Blast Deflector

Q2 LAUNCH CONTROLLER

Handheld Futuristic Design
Blinking LED Arming Lamp
Beeping "Armed" Alarm
Launch Key w/Safety Flags

3 Q-JET WHITE LIGHTNING B6-4W MODEL ROCKET MOTORS

High Performance
Composite Propellant
Bright White Exhaust Plume
White Smoke & A Roar At Lift-Off
Includes Initiators (igniters)
& Recovery Wadding

AVAILABLE FALL 2021

ASTRA III™ FLYING MODEL ROCKET STARTER SET (No. 1406)

FEATURES Q-JET BLACK MAX™ COMPOSITE PROPELLANT MODEL ROCKET MOTORS!

- Ready To Launch In 30 To 45 Minutes.
- Features Reusable Range Operations Box

ASTRA III MODEL ROCKET KIT

- Colored Body Tubes & Plastic Parts
- Kevlar Shock Cord System
- 14" dia. Recovery Parachute
- Stick-On Decals

LIFT-OFF LAUNCH PAD

- Tilt Adjustment
- Rocket Stand-Off
- 36" Launch Rod
- Metal Blast Deflector

Q2 LAUNCH CONTROLLER

- Handheld Futuristic Design
- Blinking LED Arming Lamp
- Beeping "Armed" Alarm
- Launch Key w/Safety Flags

3 Q-JET BLACK MAX A3-4FJ MODEL ROCKET MOTORS

- High Performance Composite Propellant
- Denser Tracking Smoke
- Faster Lift-Offs
- Includes Initiators (igniters) & Recovery Wadding



Back of Starter Set box features full-color illustrations of rocket cross-section & parts, flight sequence explanation and rocket motor performance.

SKILL LEVEL KIT CODING

- SKILL LEVEL 1 - Beginner Modeler
- SKILL LEVEL 2 - Experienced Modeler
- SKILL LEVEL 3 - Advanced Modeler
- SKILL LEVEL 4 - Expert Modeler
- SKILL LEVEL 5 - Master Modeler



Also available as the Astronaut III Flying Model Rocket Launch Set (No. 1407) without Q-Jet Model Rocket Motors, Initiators (igniters) & Parachute Recovery Wadding.

NOVIA™ (No. 1006)

Flights up to 1,800 ft. (549 m)

SKILL LEVEL 1

LENGTH: 11.5 in. (29.2 cm)

DIA.: .787 in. (20 mm/T20)

FINS: Laser-Cut Balsa

RECOVERY: Streamer

Q-JET™ Motors To Use:

Black Max™: A3-4FJ, B4-4FJ, B4-6FJ, C12-6FJ, C12-8FJ, D16-6FJ, D16-8FJ
White Lightning™: B6-4W, B6-6W, C18-6W, C18-8W, D20-6W, D20-8W

QUICK-Q™ (No. 1623)

Flights up to 1,000 ft. (305 m)

SKILL LEVEL 1

LENGTH: 19.5 in. (49.5 cm)

DIA.: 1.181 in. (30 mm/T30)

FINS: Plastic Fin-Assembly

RECOVERY: 14 in. Parachute

Q-JET™ Motors To Use:

Black Max™: A3-4FJ, B4-4FJ, C12-6FJ, C12-8FJ, D16-6FJ, D16-8FJ
White Lightning™: B6-4W, C18-6W, C18-8W, D20-6W, D20-8W

ASTRA™ (No. 1004)

Flights up to 1,200 ft. (366 m)

SKILL LEVEL 1

LENGTH: 15 in. (38.1 cm)

DIAMETER: .984 in. (25 mm/T25)

FINS: Laser-Cut Balsa

RECOVERY: 14 in. Parachute

Q-JET™ Motors To Use:

Black Max™: A3-4FJ, B4-4FJ, C12-6FJ, C12-8FJ, D16-6FJ, D16-8FJ
White Lightning™: B6-4W, B6-6W, C18-6W, D20-6W, D20-8W

VIPER™ (No. 1008)

Flights up to 1,200 ft. (366 m)

SKILL LEVEL 1

LENGTH: 17 in. (43 cm)

DIA.: .984 in. (25 mm/T25)

FINS: Plastic Fin-Unit

RECOVERY: 14 in. Parachute

Q-JET™ Motors To Use:

Black Max™: A3-4FJ, B4-4FJ, C12-6FJ, C12-8FJ, D16-6FJ, D16-8FJ
White Lightning™: B6-4W, C18-6W, C18-8W, D20-6W, D20-8W

ASTRA III™ (No. 1610)

Flights up to 1,200 ft. (366 m)

SKILL LEVEL 1

LENGTH: 15 in. (38.1 cm)

DIA.: 1.181 in. (30 mm/T30)

FINS: Plastic Fin-Assembly

RECOVERY: 14 in. Parachute

Q-JET™ Motors To Use:

Black Max™: A3-4FJ, B4-4FJ, C12-6FJ, C12-8FJ, D16-6FJ, D16-8FJ
White Lightning™: B6-4W, C18-6W, C18-8W, D20-6W, D20-8W

STARHAWK™ (No. 1005)

Flights up to 1,400 ft. (427 m)

SKILL LEVEL 1

LENGTH: 13 in. (33 cm)

DIA.: .787 in. (20 mm/T20)

FINS: Plastic Fin-Unit

RECOVERY: Streamer

Q-JET™ Motors To Use:

Black Max™: A3-4FJ, B4-4FJ, B4-6FJ, C12-6FJ, C12-8FJ, D16-6FJ, D16-8FJ
White Lightning™: B6-4W, B6-6W, C18-6W, C18-8W, D20-6W, D20-8W

BRIGHT HAWK™ (No. 1017)

Flights up to 800 ft. (244 m)

SKILL LEVEL 1

LENGTH: 21.5 in. (54.6 cm)

DIA.: 1.378 in. (35 mm/T35)

FINS: Plastic Fin-Unit

RECOVERY: 14 in. Parachute

Q-JET™ Motors To Use:

Black Max™: B4-4FJ, C12-4FJ, C12-6FJ, D16-6FJ, D16-8FJ
White Lightning™: B6-4W, C18-4W, C18-6W, D20-6W, D20-8W

BIG BETTY™ (No. 1014)

Flights up to 800 ft. (244 m)

SKILL LEVEL 1

LENGTH: 23 in. (58.4 cm)

DIA.: 1.575 in. (40 mm/T40)

FINS: Laser-Cut Balsa

RECOVERY: 14 in. Parachute

Q-JET™ Motors To Use:

Black Max™: B4-4FJ, C12-4FJ, C12-6FJ, D16-6FJ, D16-8FJ
White Lightning™: B6-4W, C18-4W, C18-6W, D20-6W, D20-8W

TOTALLY TUBULAR™ (No. 1012)

Flights up to 1,500 ft. (457 m)

SKILL LEVEL 1

LENGTH: 16 in. (40.6 cm)

DIA.: .787 in. (20 mm/T20)

FINS: Multi-Aerotube

RECOVERY: Streamer

Q-JET™ Motors To Use:

Black Max™: A3-4FJ, B4-4FJ, C12-6FJ, D16-6FJ, D16-8FJ
White Lightning™: B6-4W, C18-6W, D20-6W, D20-8W

PAYLOADER ONE™ (No. 1018)

Flights up to 1,200 ft. (366 m)
SKILL LEVEL 1
LENGTH: 16.25 in. (41.3 cm)
DIA.: .984 in. (25mm/T25)
FINS: Laser-Cut Balsa
RECOVERY: 14 in. Parachute
O-JET™ Motors To Use:
Black Max™: A3-4FJ, B4-4FJ, C12-4FJ,
C12-6FJ, D16-6FJ, D16-8FJ
White Lightning™: B6-4W, C18-4W, C18-6W,
D20-6W, D20-8W

TRITON-X™ (No. 1617)

Flights up to 900 ft. (274 m)
SKILL LEVEL 1
LENGTH: 33 in. (83.8 cm)
DIA.: 1.378 in. (35 mm/T35)
FINS: Plastic Fin-Assembly
RECOVERY: Dual 14 in. Parachute
O-JET™ Motors To Use:
Black Max™: B4-4FJ, C12-4FJ, C12-6FJ,
D16-6FJ, D16-8FJ
White Lightning™: B6-4W,
C18-4W, C18-6W, D20-6W, D20-8W

PENETRATOR™ (No. 1618)

Flights up to 800 ft. (244 m)
SKILL LEVEL 1
LENGTH: 37 in. (94 cm)
DIA.: 1.378 in. (35 mm/T35)
FINS: Plastic Fin-Assembly
RECOVERY: Dual 14 in. Parachutes
O-JET™ Motors To Use:
Black Max™: B4-4FJ, C12-4FJ, C12-6FJ,
D16-6FJ, D16-8FJ
White Lightning™: B6-4W, C18-4W, C18-6W,
D20-6W, D20-8W

SEEKER™ (No. 1611)

Flights up to 1,200 ft. (366 m)
SKILL LEVEL 1
LENGTH: 26 in. (66 cm)
DIA.: 1.181 in. (30 mm/T30)
FINS: Plastic Fin-Assembly
RECOVERY: 14 in. Parachute
O-JET™ Motors To Use:
Black Max™: A3-4FJ, B4-4FJ, C12-4FJ,
C12-6FJ, D16-6FJ, D16-8FJ
White Lightning™: B6-4W, C18-4W, C18-6W,
D20-6W, D20-8W

QUEST AMERICA™ (No. 1020)

Flights up to 1,500 ft. (547 m)
SKILL LEVEL 1
LENGTH: 14 in. (35.6 cm)
DIA.: 1.181 in. (30 mm/T30)
FINS: Laser-Cut Balsa
RECOVERY: 14 in. Parachute
O-JET™ Motors To Use:
Black Max™: A3-4FJ, B4-4FJ, B4-6FJ,
C12-6FJ, C12-8FJ, D16-6FJ, D16-8FJ
White Lightning™: B6-4W, C18-6W,
C18-8W, D20-6W, D20-8W



COBALT™ (No. 1021)

Flights up to 300 ft. (91.5 m)
SKILL LEVEL 1
LENGTH: 7.5 in. (19 cm)
DIA.: 1.575 in. (40 mm/T40)
FINS: Laser-Cut Balsa
RECOVERY: Streamer
O-JET™ Motors To Use:
Black Max™: A3-4FJ, B4-4FJ
White Lightning™: B6-4W

PLANET PROBE™ (No. 1022)

Flights up to 250 ft. (76 m)
SKILL LEVEL 1
LENGTH: 4.12 in. (10.5 cm)
DIA.: 6.75 in. (171.5 mm)
FINS: Paper Cone
RECOVERY: Tumble
O-JET™ Motors To Use:
Black Max™: B4-4FJ, C12-4FJ
White Lightning™: B6-4W, C18-4W

GAMMA-RAY PAYLOADER™

(No. 2004)
Flights up to 1,200 ft. (366 m)
SKILL LEVEL 2
LENGTH: 17.38 in. (44 cm)
DIA.: .787 in. (20mm/T20)
FINS: Laser-Cut Balsa
RECOVERY: 14 in. Parachute
O-JET™ Motors To Use:
Black Max™: A3-4FJ,
B4-4FJ, C12-6FJ, C12-8FJ,
D16-6FJ, D16-8FJ
White Lightning™: B6-4W, C18-6W,
C18-8W, D20-6W, D20-8W

SUPERBIRD™ (No. 2010)

Flights up to 1,100ft. (335 m)
SKILL LEVEL 2
LENGTH: 31.25 in. (79.4 cm)
DIA.: 1.378 in. (35 mm/T35)
FINS: Laser-Cut Balsa
RECOVERY: Dual 14 in. Parachutes
O-JET™ Motors To Use:
Black Max™: B4-4FJ, C12-4FJ, C12-6FJ,
D16-6FJ, D16-8FJ
White Lightning™: B6-4W,
C18-4W, C18-6W, D20-6W, D20-8W



COURIER™ (No. 2011)

Flights up to 900 ft. (274 m)

SKILL LEVEL 2

LENGTH: 19.9 in. (50.5 cm)

DIA.: 1.378 in. (35 mm/T35)

FINS: Laser-Cut Balsa

RECOVERY: Dual 14 in. Parachutes

Q-JET™ Motors To Use:

Black Max™: B4-4FJ,
C12-4FJ, C12-6FJ, D16-6FJ, D16-8FJ
White Lightning™: B6-4W, C18-4W,
C18-6W, D20-6W, D20-8W

TERRIER-ORION™ (No. 2015)

Flights up to 1,100 ft. (335 m)

SKILL LEVEL 2

LENGTH: 30.1 in. (76.5 cm)

DIA.: 1.378 in. (35 mm / T35)

FINS: Laser-Cut Balsa

RECOVERY: 14 in. Parachute

Q-JET™ Motors To Use:

Black Max™: B4-4FJ,
C12-4FJ, C12-6FJ, D16-6FJ, D16-8FJ
White Lightning™: B6-4W, C18-4W,
C18-6W, D20-6W, D20-8W

STRIKER AGM™ (No. 2020)

Flights up to 1,200 ft. (366 m)

SKILL LEVEL 2

LENGTH: 27.75 in. (70.5 cm)

DIA.: 1.378 in. (35 mm/T35)

FINS: Laser-Cut Balsa

RECOVERY: 14 in. Parachute

Q-JET™ Motors To Use:

Black Max™: B4-4FJ, C12-4FJ, C12-6FJ,
D16-6FJ, D16-8FJ
White Lightning™: B6-4W, C18-4W,
C18-6W, D20-6W, D20-8W

HARPOON™ (No. 3008)

Flights up to 700 ft. (213 m)

SKILL LEVEL 3

LENGTH: 20.5 in. (52.1 cm)

DIA.: 1.575 in. (40 mm / T40)

FINS: Laser-Cut Balsa

RECOVERY: 14 in. Parachute

Q-JET™ Motors To Use:

Black Max™: B4-4FJ, C12-4FJ,
C12-6FJ, D16-6FJ, D16-8FJ
White Lightning™: B6-4W, C18-4W,
C18-6W, D20-6W, D20-8W

SPORT™ (No. 1007)

Flights up to 2,200 ft. (670 m)

SKILL LEVEL 1

LENGTH: 16" (40.6 cm)

DIA.: 1.378" (35mm)

FINS: Plastic Fin-Unit

RECOVERY: Streamer

Q-JET™ Motors To Use:

White Lightning™: D22-7W,
D22-10W, E26-7W, E26-10W

FALCON™ (No. 1009)

Flights up to 1,800 ft. (549m)

SKILL LEVEL 1

LENGTH: 24" (60.6 cm)

DIA.: 1.378" (35mm)

FINS: Plastic Fin-Unit

RECOVERY: 14" Parachute

Q-JET™ Motors To Use:

White Lightning™: D22-4W,
D22-7W, E26-4W, E26-7W

ICARUS™ (No. 2006)

Flights up to 1,400 ft. (427m)

SKILL LEVEL 2

LENGTH: 31" (78.7 cm)

DIA.: 1.378" (35mm)

FINS: Laser-Cut Balsa

RECOVERY: Dual 14" Parachutes

Q-JET™ Motors To Use:

White Lightning™: D22-4W,
D22-7W, E26-4W, E26-7W



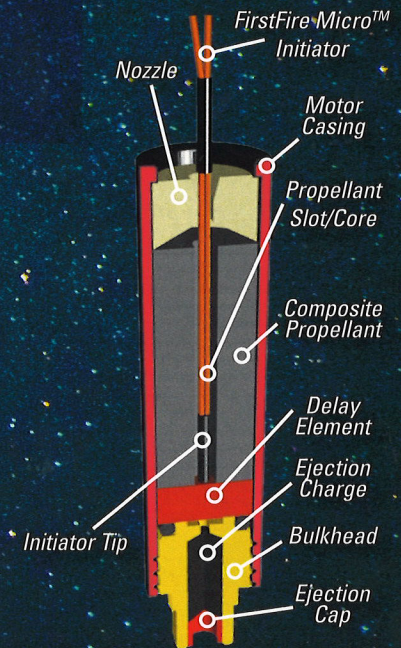
HIGH PERFORMANCE 18MM X 70MM "A" TO "D" SIZE COMPOSITE PROPELLANT MODEL ROCKET MOTORS



- Same Family Of Solid Propellant As NASA's Space Shuttle Boosters, Military Missiles, Sounding Rockets and NASA's future SLS moon rocket.
- Black Max Q-Jets Deliver Faster Lift-Offs, Denser Dark Tracking Smoke & More Reliable Lift-Off Performance.
- White Lightning Q-Jets Produce A Brilliant White Exhaust Plume, Bright White Smoke and A Throaty Roar At Lift-Off.
- Q-Jet Complete Launch Packs Include Rocket Motors, Initiators (igniters) and Parachute Recovery Wadding.
- All Q-Jet Composite Propellant Model Rocket Motors Are Competitively Priced With Traditional Black Powder Model Rocket Motors.

18mm x 70mm Black Max™	Prod. No.	Total Impulse (N-sec / lb-sec)	Peak Thrust (N / lb)	Propellant Weight (g / oz)	Total Weight (g / oz)	Max Lift-Off Weight (g / oz)	Equivalent Black Powder Rocket Motor Type
A3-4FJ	#6108	2.5 / .6	7.0 / 1.6	2.1 / .07	17.9 / .6	56 / 2	A6-4, A8-3
A3-6FJ	#6109	2.5 / .6	7.0 / 1.6	2.1 / .07	17.9 / .6	28 / 1	A8-5
B4-4FJ	#6112	4.9 / 1.1	7.0 / 1.6	3.6 / .13	19.8 / .7	85 / 3	B4-4, B6-4
B4-6FJ	#6113	4.9 / 1.1	7.0 / 1.6	3.6 / .13	19.8 / .7	28 / 1.5	B6-6
C12-4FJ	#6116	9.8 / 2.2	17.5 / 3.9	7.7 / .20	23.7 / .74	113 / 4	C6-3
C12-6FJ	#6117	9.8 / 2.2	17.5 / 3.9	7.7 / .20	23.7 / .74	113 / 3.3	C6-5
C12-8FJ	#6118	9.8 / 2.2	17.5 / 3.9	7.7 / .20	23.7 / .74	71 / 2.5	C6-7
D16-4FJ	#6120	12.4 / 2.8	22.3 / 5.0	9.9 / .31	25.7 / .85	340 / 12	D12-3
D16-6FJ	#6121	12.4 / 2.8	22.3 / 5.0	9.9 / .31	25.7 / .85	227 / 8	D12-5
D16-8FJ	#6122	12.4 / 2.8	22.3 / 5.0	9.9 / .31	25.7 / .85	170 / 6	D12-7

18mm x 70mm White Lightning™	Prod. No.	Total Impulse (N-sec / lb-sec)	Peak Thrust (N / lb)	Propellant Weight (g / oz)	Total Weight (g / oz)	Max Lift-Off Weight (g / oz)	Equivalent Black Powder Rocket Motor Type
B6-4W	#6123	4.9 / 1.1	8.9 / 2.0	2.8 / .10	19.0 / .67	85 / 3	B4-4, B6-4
B6-6W	#6124	4.9 / 1.1	8.9 / 2.0	2.8 / .10	19.0 / .67	28 / 1.5	B6-6
C18-4W	#6125	9.8 / 2.2	23.6 / 5.3	5.6 / .20	20.9 / .74	113 / 4	C6-3
C18-6W	#6126	9.8 / 2.2	23.6 / 5.3	5.6 / .20	20.9 / .74	113 / 3.3	C6-5
C18-8W	#6127	9.8 / 2.2	23.6 / 5.3	5.6 / .20	20.9 / .74	71 / 2.5	C6-7
D20-4W	#6130	13.8 / 3.1	24.3 / 5.5	8.7 / .31	24.1 / .85	340 / 12	D12-3
D20-6W	#6131	13.8 / 3.1	24.3 / 5.5	8.7 / .31	24.1 / .85	227 / 8	D12-5
D20-8W	#6132	13.8 / 3.1	24.3 / 5.5	8.7 / .31	24.1 / .85	170 / 6	D12-7

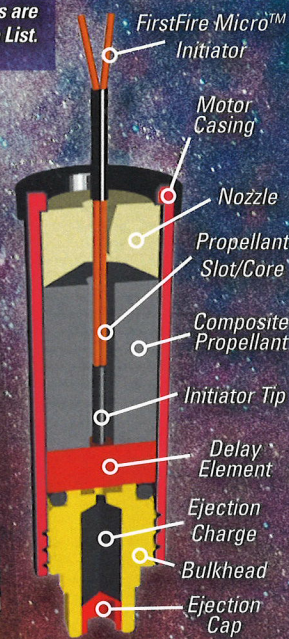


NEW 24MM X 70MM Q-JET "D" & "E" SIZE WHITE LIGHTNING™ COMPOSITE PROPELLANT MODEL ROCKET MOTORS

- Smaller, Lighter and More Powerful Composite Propellant Model Rocket Motors.
- Features Aerospace Grade White Lightning, AeroTech's Most Popular Propellant Formulation.
- Nearly A Full "D" With 19.3 N-sec Total Impulse & A 0.9 Sec Burn Time.
- High Thrust "E" With 27.9 N-sec Total Impulse & A 1.2 sec Burn Time.
- Designed With A Built-In Thrust Ring To Fit Into A 24mm x 70mm Motor Mount.
- Attractive Clamshell Packaging Which Is USPS Mailable.

24mm x 70mm White Lightning™	Prod. No.	Total Impulse (N-sec / lb-sec)	Peak Thrust (N / lb)	Propellant Weight (g / oz)	Total Weight (g / oz)	Max Lift-Off Weight (g / oz)	Equivalent Black Powder Rocket Motor Type
D22-4W	#6133	19.3 / 4.3	27.6 / 6.2	12.0 / .42	37.5 / 1.3	397 / 14	D12-4
D22-7W	#6134	19.3 / 4.3	27.6 / 6.2	12.0 / .42	37.5 / 1.3	340 / 12	D12-5
D22-10W	#6136	19.3 / 4.3	27.6 / 6.2	12.0 / .42	37.5 / 1.3	284 / 10	D12-7
E26-4W	#6140	27.9 / 6.3	27.9 / 6.3	18.3 / .65	44.0 / 1.6	454 / 16	E12-4, E16-4
E26-7W	#6142	27.9 / 6.3	27.9 / 6.3	18.3 / .65	44.0 / 1.6	397 / 14	E12-6, E16-6
E26-10W	#6144	27.9 / 6.3	27.9 / 6.3	18.3 / .65	44.0 / 1.6	340 / 12	E12-8, E16-8

Complete Pre-Packed Educational Classroom Programs featuring 12 pc. & 25 pc. Value Packs for Rocket Kits & Q-Jet Rocket Motors, plus Quest Classroom Water Rocket Systems are available on the AeroTech/Quest Order Form / Hobby Retail Price List.



LAUNCH SYSTEMS & ACCESSORIES

- Complete Launch Control System (No. 7700) Includes Lift-Off Launch Pad & Q2 Launch Controller.
- Futuristic Handheld Q2 Launch Controller (No. 7510) Includes blinking LED arming lamp, beeping "Armed" alarm & launch key w/safety flags.
- 15' Q2 Launch Cable Extension for launching "E" to "G" size rocket motors. (Extends Q2 launch cable to more than 30') (No. 7815)
- Lift-Off Launch Pad (No. 7610) Features tilt adjustment, rocket stand-off, two-piece 36" launch rod & metal blast deflector.
- FirstFire Micro Initiators (3/pk.) (No. 7026)
- Parachute Recovery Wadding (100 sheets) (No. 7021)

HERE'S WHERE TO BEGIN IN MID-POWER MODEL ROCKETRY!

ADVANCED INITIATOR SYSTEMS PACKAGE (ISP) MID-POWER LAUNCH SET

(No. 89001)

The ISP Launch Set includes the Initiator Mid-Power Rocket Kit, advanced Mantis Launch Pad & Semi-Professional Interlock Launch Controller.

INITIATOR MID-POWER ROCKET KIT

Innovative, versatile & durable advanced model rocket design. Features heavy duty nose cone & body tube pre-slit for perfect fin alignment. Pre-shaped polymer fins, with precision molded low drag airfoils, fit directly into the motor mount just like a professional rocket. Baffle ejection system eliminates the need for parachute recovery wadding to protect the 24" dia. nylon parachute. Features anodized aluminum motor retainer system, fabric elastic shock cord, launch rail guides and colorful self-adhesive decals. Over 3 feet long with a 2.6" dia. cross section. Flies with E, F & G size composite propellant model rocket motors.

MANTIS LAUNCH PAD

The most versatile model rocket launch pad available. Designed to launch A to G size model rockets and accommodates 1/8", 3/16" & 1/4" dia. launch rods. Rotates 360 degrees and features a dial-in launch angle adjustment up to 15 degrees from the vertical. Loaded rocket is positioned 24" above the ground with a swing-arm that lowers the launch rod to a horizontal position making launch prep fast, easy & safe. Rugged aluminum launch pad legs slide in for easy set-up & slide out for easy storage. Features a two-piece 1/4" dia. launch rod, rocket stand-off & angled metal blast deflector.

INTERLOCK LAUNCH CONTROLLER

Semi-professional launch controller featuring the "Key-Eject" safety key ejection system, requiring two-handed launch control operation. Once armed the Interlock Controller emits a warning tone alerting spectators that a launch is eminent. Designed with a flip-open case, bright graphics, large safety key & 40 feet of power cord to attach to a 12-volt power source.



MID-POWER ROCKET KITS DESIGNED FOR "E", "F" & "G" SIZE COMPOSITE PROPELLANT MODEL ROCKET MOTORS



BIG DOG No. 5010
SKILL LEVEL 3
LENGTH: 32.5" / 82.6 cm
DIA.: 1.92" / 50 mm
RECOVERY: Fabric Parachute
ENERJET Motors To Use:
E20-4W, E20-7W, E30-4T, E30-7T, F44-8W,
F52-5C, F52-8C, F67-6W, F67-9W



MEAN GREEN No. 5013
SKILL LEVEL 3
LENGTH: 24.5" / 62.2 cm
DIA.: 1.92" / 50 mm
RECOVERY: Fabric Parachute
ENERJET Motors To Use:
E20-4W, E20-7W, E30-4T, E30-7T, F44-8W,
F52-5C, F52-8C, F67-6W, F67-9W

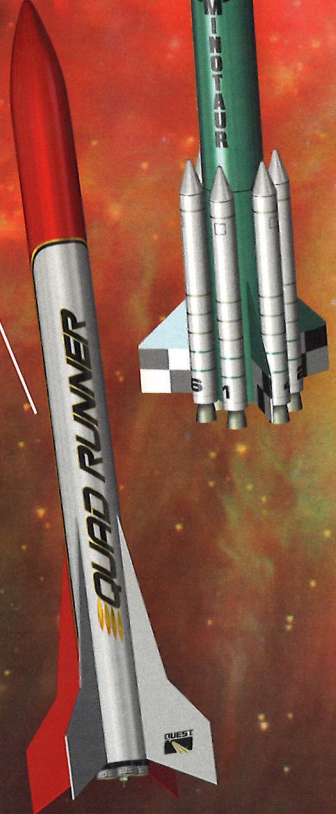


LIL' GRUNT No. 5014
SKILL LEVEL 3
LENGTH: 17.0" / 43.2 cm
DIA.: 1.92" / 50 mm
RECOVERY: 36" Fabric Streamer
ENERJET Motors To Use:
E20-4W, E20-7W, E30-4T, E30-7T, F44-8W,
F52-5C, F52-8C, F67-6W, F67-9W

MINOTAUR No. 5015
SKILL LEVEL 4
LENGTH: 28.75" / 73.0 cm
DIA.: 1.92" / 50 mm
RECOVERY: Fabric Parachute
ENERJET Motors To Use:
E20-4W, E30-4T, F44-4W, F52-5C, F52-8C,
F67-4W, F67-6W



QUAD RUNNER No. 5016
SKILL LEVEL 4
LENGTH: 27.5" / 69.9 cm
DIA.: 1.92" / 50 mm
RECOVERY: Fabric Parachute
ENERJET Motors To Use:
E20-4W, E20-7W, E30-4T, E30-7T, F44-4W,
F44-8W, F52-5C, F52-8C, F67-6W, F67-9W



HIGH-Q No. 5012
SKILL LEVEL 3
LENGTH: 30.5" / 77.5 cm
DIA.: 1.92" / 50 mm
RECOVERY: Fabric Parachute
ENERJET Motors To Use:
E20-4W, E20-7W, E30-4T, E30-7T, F44-8W,
F52-5C, F52-8C, F67-6W, F67-9W



Heavy Duty Nose Cone
Pre-Assembled Nylon Parachute
High Strength Elastic Shock Cord
Molded Ejection Gas Baffle
Cooling Mesh
Pre-Slotted Body Tube
Fin-Lok™ Rings
Motor Retainer
Precision Airfoil Molded Fins with Fin-Lok™ Tab

INITIATOR MID-POWER MODEL ROCKET KIT NOTE: Kit features may vary.

MID-POWER ROCKET KITS DESIGNED FOR "E", "F" & "G" SIZE COMPOSITE PROPELLANT MODEL ROCKET MOTORS

HV ARCAS No. 89012

SKILL LEVEL 3

LENGTH: 56.0" / 142.0 cm

DIA.: 2.6" / 66 mm

RECOVERY: Nylon Parachute

ENERJET Motors To Use:

E20-4W, E30-4T, F44-4W, F52-5C, F67-6W,
G74-6W, G74-9W, G80-7T, G80-10T

TOMAHAWK No. 89014

SKILL LEVEL 3

LENGTH: 41.0" / 104.0 cm

DIA.: 1.9" / 48 mm

RECOVERY: Nylon Parachute

ENERJET Motors To Use:

E20-7W, E30-7T, F44-8W, F52-8C,
F67-9W, G74-9W, G80-10T, G80-13T

CHEETAH No. 89016

SKILL LEVEL 3

LENGTH: 32.0" / 81.0 cm

DIA.: 1.9" / 48 mm

RECOVERY: Nylon Parachute

ENERJET Motors To Use:

E20-7W, E30-7T, F44-8W, F52-8C,
F67-9W, G74-9W, G80-10T, G80-13T

STRONG-ARM No. 89017

SKILL LEVEL 3

LENGTH: 44.0" / 112.0 cm

DIA.: 2.6" / 66 mm

RECOVERY: Nylon Parachute

ENERJET Motors To Use:

E20-4W, E30-4T, F44-4W, F52-5C,
F67-6W, G74-6W, G74-9W, G80-10T

MIRAGE No. 89019

SKILL LEVEL 4

LENGTH: 87.0" / 220.0 cm

DIA.: 2.6" / 66 mm

RECOVERY: Nylon Parachute

ENERJET Motors To Use:

F44-4W, F67-4W, F52-5C, F67-6W,
G74-6W, G80-7T

ASTROBEE-D No. 89015

SKILL LEVEL 4

LENGTH: 68.0" / 173.0 cm

DIA.: 2.6" / 66 mm

RECOVERY: Nylon Parachute

ENERJET Motors To Use:

F44-4W, F52-5C, F67-4W, G74-6W, G80-7T

SUMO No. 89024

SKILL LEVEL 4

LENGTH: 39.0" / 99.0 cm

DIA.: 4.0" / 102 mm

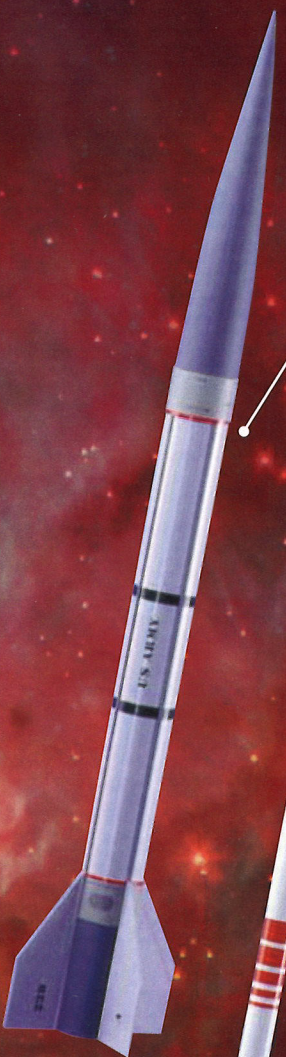
RECOVERY: Nylon Parachute

ENERJET Motors To Use:

F52-5C, F67-4W, G74-6W, G80-7T



MID-POWER ROCKET KITS DESIGNED FOR "E", "F" & "G" SIZE
COMPOSITE PROPELLANT MODEL ROCKET MOTORS



WART-HOG No. 89018
SKILL LEVEL 3
LENGTH: 37.0" / 94.0 cm
DIA.: 2.6" / 66 mm
RECOVERY: Nylon Parachute
ENERJET Motors To Use:
E20-4W, E30-4T, F44-4W, F52-5C,
F67-6W, G74-6W, G74-9W, G80-10T



ARREAUXBEE-HI No. 89022
SKILL LEVEL 3
LENGTH: 54.0" / 137.2 cm
DIA.: 2.6" / 66 mm
RECOVERY: Nylon Parachute
ENERJET Motors To Use:
E20-4W, E30-4T, F44-4W, F52-5C, F52-8C, F67-
4W, F67-6W, G74-9W, G80-10T



BARRACUDA No. 89020
SKILL LEVEL 3
LENGTH: 56.0" / 142.0 cm
DIA.: 1.9" / 48 mm
RECOVERY: Nylon Parachute
ENERJET Motors To Use:
E20-4W, E30-4T, F44-4W, F52-5C,
F67-6W, G74-6W, G74-9W, G80-10T



G-FORCE No. 89021
SKILL LEVEL 4
LENGTH: 60.0" / 152.0 cm
DIA.: 4.0" / 102 mm
RECOVERY: Nylon Parachute
ENERJET Motors To Use:
F52-5C, F67-4W, G74-6W, G80-7T



ARREAUX No. 89013
SKILL LEVEL 3
LENGTH: 43.0" / 109.0 cm
DIA.: 1.9" / 48 mm
RECOVERY: Nylon Parachute
ENERJET Motors To Use:
E20-7W, E30-7T, F44-8W, F52-5C, F52-8C, F67-
9W, G74-9W, G80-10T, G80-13T



INITIATOR No. 89011
SKILL LEVEL 3
LENGTH: 39.0" / 99.0 cm
DIA.: 2.6" / 66 mm
RECOVERY: Nylon Parachute
ENERJET Motors To Use:
E20-4W, E30-4T, F44-4W, F52-5C, F67-6W,
G74-6W, G74-9W, G80-10T



MUSTANG No. 89010
SKILL LEVEL 3
LENGTH: 32.0" / 81.0 cm
DIA.: 1.9" / 48 mm
RECOVERY: Nylon Parachute
ENERJET Motors To Use:
E20-7W, E30-7T, F44-8W, F52-8C,
F67-9W, G74-9W, G80-10T, G80-13T

AEROTECH ROCKET MOTORS UTILIZE THE SAME FAMILY OF HIGH PERFORMANCE COMPOSITE PROPELLANT AS NASA'S SPACE SHUTTLE BOOSTERS, MILITARY MISSILES AND SOUNDING ROCKETS.

AeroTech produces a variety of composite propellant formulations including White Lightning (W), Blue Thunder (T), Black Jack (J), Black Max (FJ), Redline (R), Classic (C), Warp-9 (N), Mojave Green (G), Metalstorm (M), Dark Matter (DM) & Propellant X (X). The "E", "F" & "G" type rocket motors with "W" at the end of the type designation use White Lightning propellant, which produces a brilliant white flame, dense bright white exhaust and a throaty roar at ignition. Easy to track & exciting to watch, White Lightning looks & sounds like a real sounding rocket vehicle. The "E" & "G" type rocket motors that have a "T" at the end of their motor type designation use Blue Thunder propellant, which produces a bright violet-blue flame with a minimum of exhaust smoke. Blue Thunder motors provide a higher level of thrust than White Lightning motors of the same total impulse and are perfect for high lift-off acceleration. The variety of launchings below illustrates the visual differences between AeroTech's various solid composite propellant formulations.

The AeroTech / Quest Team attends major rocket launches from coast to coast.



ENERJET

By AEROTECH

MID-POWER COMPOSITE PROPELLANT MODEL ROCKET MOTOR

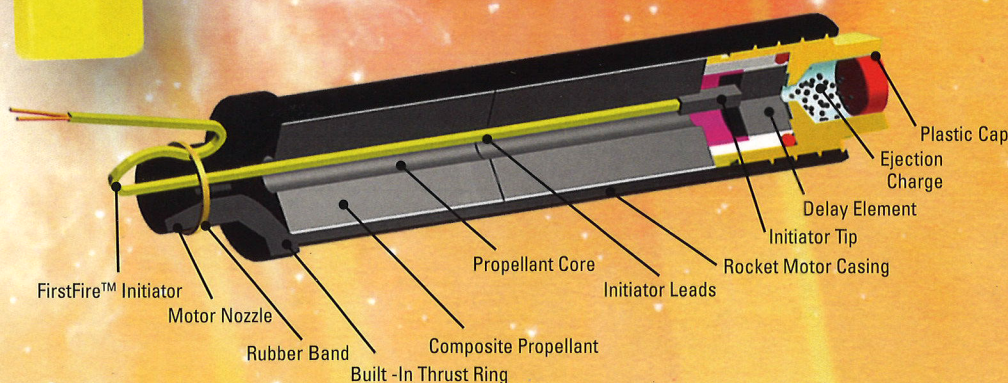


AeroTech produces "A" to "O" size composite propellant hobby rocket motors. "A" to "D" size rocket motors are known as Model Rocket Motors. "E" to "G" size rocket motors are known as Mid-Power Model Rocket Motors. "H" to "O" size rocket motors are known as High Power Hobby Rocket Motors.

Every time you move from one letter designation to the next the maximum power or Total Impulse of the rocket motor generally doubles. Example: A "B" motor can be up to twice as powerful as an "A" motor; a "C" motor is normally twice as powerful as a "B" and can be up to 4 times as powerful as an "A" rocket motor, etc. More powerful rocket motors allow you to reach higher altitudes and carry interesting payloads like cameras and telemetry packages aloft.



Enerjet™	Prod. No.	Total Impulse (N-sec / lb-sec)	Peak Thrust (N / lb)	Thrust Duration (Seconds)	Propellant Weight (g / oz)	Total Weight (g / oz)	Max Lift-Off Weight (g / oz)	Equivalent Black Powder Rocket Motor Type
E20-4W	#52004	35 / 7.9	34.9 / 7.8	1.6	16 / 0.56	49 / 1.73	340 / 12	E12-4, E16-4
E20-7W	#52007	35 / 7.9	34.9 / 7.8	1.6	16 / 0.56	49 / 1.73	269 / 9.5	E12-6, E12-8, E16-6, E16-8
E30-4T	#53004	33.56 / 7.5	49.3 / 11.1	1.02	17.8 / 0.63	47 / 1.66	454 / 16	E12-4, E16-4
E30-7T	#53007	33.56 / 7.5	49.3 / 11.1	1.02	17.8 / 0.63	47 / 1.66	454 / 16	E12-6, E12-8, E16-6, E16-8
F44-4W	#64404	41.5 / 9.3	50 / 11.2	1.0	20 / 0.71	48 / 1.69	454 / 16	F15-4
F44-8W	#64408	41.5 / 9.3	50 / 11.2	1.0	20 / 0.71	48 / 1.69	283 / 10	F15-6, F15-8
29mm x 83mm								
F67-4W	#66704	61.1 / 13.7	86 / 19.3	0.95	30 / 1.06	80 / 2.82	620 / 20	F15-4
F67-6W	#66706	61.1 / 13.7	86 / 19.3	0.95	30 / 1.06	80 / 2.82	620 / 20	F15-6
F67-9W	#66709	61.1 / 13.7	86 / 19.3	0.95	30 / 1.06	80 / 2.82	510 / 18	F15-8
G74-4W	#77405	82.74 / 18.6	94.5 / 21.2	1.04	39.3 / 1.39	87.6 / 3.09	454 / 16	N/A
G74-6W	#77406	82.74 / 18.6	94.5 / 21.2	1.04	39.3 / 1.39	87.6 / 3.09	680 / 24	N/A
G74-9W	#77409	82.74 / 18.6	94.5 / 21.2	1.04	39.3 / 1.39	87.6 / 3.09	397 / 14	N/A
29mm x 124mm								
G80-7T	#78007	136.6 / 30.7	108.5 / 24.4	1.7	62.5 / 2.21	127.6 / 4.50	1474 / 52	N/A
G80-10T	#78010	136.6 / 30.7	108.5 / 24.4	1.7	62.5 / 2.21	127.9 / 4.51	907 / 32	N/A
G80-13T	#78013	136.6 / 30.7	108.5 / 24.4	1.7	62.5 / 2.21	129.3 / 4.56	567 / 20	N/A



Note: All "E" & "F" Single-Use Composite Propellant Model Rocket Motors, listed in this catalog, are non-HazMat USPS shippable up to 25 lbs. total box weight. All "G" Size Single-Use Composite Propellant Model Rocket Motors must be shipped via UPS or FedEx and will incur a HazMat shipping fee.

MANTIS DELUXE LAUNCH PAD

(No. 89281)

The most versatile model rocket launch pad available. See cover page for more features and detailed information.

INTERLOCK LAUNCH CONTROLLER

(No. 89381)

Semi-professional launch controller featuring the "Key-Eject" safety key ejection system. See cover page for more features and detailed information.

FIRSTFIRE MINI & JR. INITIATORS (IGNITERS)

FIRSTFIRE MINI INITIATORS (No. 89899)

for D & E Composite Propellant Model Rocket Motors (3/pk.)

FIRSTFIRE JR. INITIATORS

(No. 89895)

for E, F & G Composite Propellant Model Rocket Motors (3/pk.)





Classic ENERJET[®]

By AEROTECH[®]

"A Blast From The Past!"

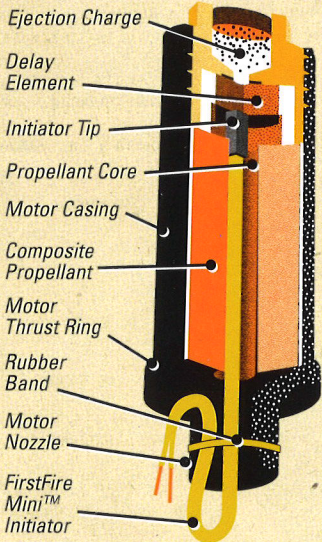
CLASSIC ENERJET F52C 29MM X 83MM COMPOSITE PROPELLANT MID-POWER MODEL ROCKET MOTORS

Mimics The Look, Sound & Performance Of Original Enerjet Propellant, Which Was Used In The First Composite Propellant Model Rocket Motors From 1970 to 1974.

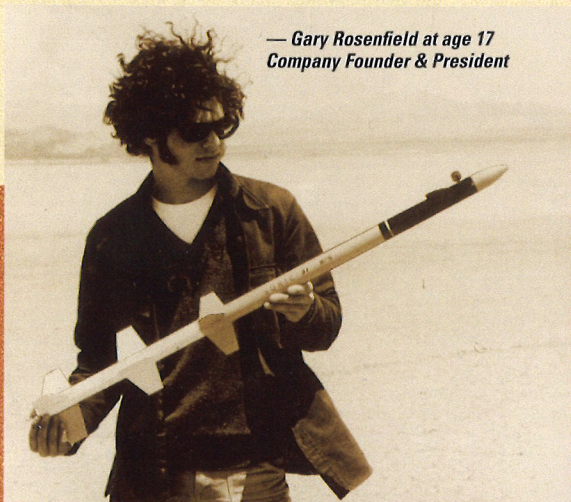
Features AeroTech's "Classic" Propellant Formulation delivering 66.2 N-Sec. (14.9 lb.) of total impulse with a 1.3 second burn time and total weight of 2.9 oz. (81.4 g). Impressive lift-offs with visible supersonic shock diamonds emanating from a transparent ignition flame with translucent exhaust plume and no smoke that appears to make your rocket leap-off the launch pad. Available in 5, 8 and 12 second time delays. The F52C features a molded thrust ring and only 30 grams of propellant making it USPS mailable.

Retail packaged in attractive 2-motor clamshell with FirstFire™ Mini Initiators and nostalgic motor instruction and performance insert.

A great rocket motor for nearly all Enerjet by AeroTech Mid-Power Model Rocket Kits.



Classic Enerjet™ 29mm x 83mm	Prod. No.	Total Impulse (N-sec / lb-sec)	Peak Thrust (N / lb)	Thrust Duration (Seconds)	Propellant Weight (g / oz)	Total Weight (g / oz)	Max Lift-Off Weight (g / oz)	Equivalent Black Powder Rocket Motor Type
F52-5C	#65212	66.2 / 14.9	74.6 / 16.8	1.3	30 / 1.06	81.4 / 2.87	623 / 22	F15-4
F52-8C	#65214	66.2 / 14.9	74.6 / 16.8	1.3	30 / 1.06	81.4 / 2.87	510 / 18	F15-6
F52-12C	#65216	66.2 / 14.9	74.6 / 16.8	1.3	30 / 1.06	81.4 / 2.87	397 / 14	F15-8



— Gary Rosenfield at age 17
Company Founder & President

"Our Classic Enerjet rocket motor captures the spirit of the original Enerjet rocket motor, which inspired me to become a model rocket manufacturer."

AEROTECH[®]
CONSUMER AEROSPACE

QUEST[™]
By **AEROTECH**[™]
Shaping the Future of Model Rocketry

Division of RCS Rocket Motor Components, Inc.

THRUST YOU CAN TRUST![™]
In Hobby & Aerospace

For Nearly 40 Years AeroTech Has Been The World's Leading Producer Of Composite Propellant Model Rocket, Mid-Power and High Power Hobby Rocket Motors, Now Ranging In Size From "A" Size Model Rocket Motors To "O" Size Hobby Rocket Motors.

For Nearly 40 Years AeroTech Has Also Been A Major Solid Propellant Small Propulsion Systems Supplier To The Aerospace Industry Via Its ISP - Industrial Solid Propulsion Division.

When you launch an AeroTech/Quest model rocket, using a Q-Jet[™] or Enerjet[™] composite propellant model rocket motor, you are using the same family of solid composite propellant rocket motors as the Space Shuttle boosters, military missiles, sounding rockets and NASA's future SLS moon rocket.

Over the past 4 decades AeroTech/ISP has delivered high performance, high reliability aerospace grade propulsion systems for sounding rockets, near space exploration, military platforms, NASA projects and civilian space endeavors, including potential lunar & Mars geologic missions.

AeroTech/Quest delivers you a real world rocketry experience with its high performance, high reliability, aerospace grade White Lightning[™], Black Max[™], Blue Thunder[™] and Classic[™] composite propellant formulations, together with a complete line of Starter Sets, Launch Sets, Model Rocket & Mid-Power Kits, Launch Systems, Educational Value Packs, Ground Support Equipment and Accessories.

As AeroTech/Quest Continues To Shape The Future Of Model Rocketry Our Composite Propellant Model Rocket Motors Have Become The Future Of Model Rocket Flight!

The Worlds largest selection of model rocket kits can be found at:

eRockets
www.eRockets.biz

AeroTech/Quest Division
RCS Rocket Motor Components, Inc.
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