

# QUEST™



**FLYING  
MODEL  
ROCKET  
CATALOG**

Prod. No. 2000



# QUEST QUEST QUEST

SHAPING THE FUTURE OF MODEL ROCKETRY SHAPING THE FUTURE

READ THIS CATALOG CAREFULLY...IT'S DESIGNED TO GIVE YOU ALL OF THE INFORMATION YOU'LL NEED TO GET STARTED FLYING MODEL ROCKETS THE RIGHT WAY...WITH QUEST.



Listed with each kit in this catalog you'll find a Skill Level number. This number represents the amount of previous modeling experience required for any hobbyist wanting to build and fly their rocket successfully. Our new Micro Maxx and Ready-to-Fly (RTF) rockets make it possible for anyone to instantly jump into the exciting world of model rocketry. Beginners can try their hand at Micro Maxx, RTF or Skill Level 1 rockets. Skill Level 2 kits are for experienced modelers. Advanced rocket flyers will find Skill Level 3 kits an exciting test of their abilities, while Skill Level 4 kits are recommended only for expert rocketeers. Once you've mastered a particular skill level you are ready to move on to the next one! Each rocket description in this catalog features skill level, size specifications, recovery system, maximum altitude and recommended rocket motors. The following icons indicate the rocket's fin type:



Die-Cut Balsa Fins Plastic Fin-Unit

If you've never launched a model rocket before, choose one of Quest's new Micro Maxx, Ready-to-Fly (RTF) or Skill Level 1 starter sets. These starter sets include your rocket, recovery system, reusable launch pad, electric launch controller, three rocket motors with Tiger Tail™ II igniters, and recovery wadding. You will also need to purchase batteries for your launch system and glue if your rocket requires assembly.

## HOW MODEL ROCKETS FLY



# QUEST QUEST QUEST

OF MODEL ROCKETRY SHAPING THE FUTURE OF MODEL ROCKETRY

## HOW MODEL ROCKETS WORK

Model Rockets Are All Reusable. Most Require Assembly. They Have Different Shapes - A Typical Rocket Is Shown.

**NOSE CONE:** Guides Airflow Around The Rocket (Streamlines).

**BODY TUBE:** Main Structural Part, (Airframe), Usually A Strong Paper Tube.

**RECOVERY SYSTEM:** Device For Retrieving The Rocket Safely And Intact.

**WADDING:** Protects Recovery System From Hot Ejection Charge Gases.

**LAUNCH LUG:** Guides Rocket Straight Off Launcher.

**MOTOR MOUNT:** Holds Motor In Place.

**FINS:** Keep Rocket Traveling Straight.

**ROCKET MOTOR:** Safe Non-reusable Device. A New Motor Is Needed For Each Rocket Flight.

## HOW MODEL ROCKET MOTORS WORK



Rocket motors, igniters and recovery wadding can be used only once, but each rocket can be flown over and over again. You'll need a new rocket motor, igniter and recovery wadding for each additional flight. Each Quest rocket includes a list of recommended motors to use. See page 29 for more information.





# MICRO MAXX™ MICRO

MICRO MODEL ROCKETS MICRO MODEL ROCKETS

INTRODUCING

# MICRO MAXX™

MICRO MODEL ROCKETS



PERFECT FOR  
BACKYARD  
LAUNCHING

NEW

REQUIRES ONLY A  
50 FOOT (15M) LAUNCH SITE



SPACE SHUTTLE ORBITER &  
SATURN V ROCKET COMPLETE SET

# MAXX™ MICRO MAXX™

MICRO MODEL ROCKETS MICRO MODEL ROCKETS

SINGLE SETS CONTAIN

- 1 Completely Assembled Micro Model Rocket
- Silo Launch Pad with Launch Controller (Requires One 9 volt Alkaline battery - Not Included)
- 4 Micro Motors.
- 4 Plug-In QMX Igniters
- 1 Display Stand

NO MERCY  
COMPLETE SET  
NO. 5602



RTF  
READY TO FLY  
SKILL LEVEL

MAXIMUM  
ALTITUDE  
120 FEET  
37 METERS

RECOVERY  
SYSTEM  
MYLAR  
STREAMER

CRITICAL MASS  
COMPLETE SET  
NO. 5601



RTF  
READY TO FLY  
SKILL LEVEL

MAXIMUM  
ALTITUDE  
120 FEET  
37 METERS

RECOVERY  
SYSTEM  
MYLAR  
STREAMER



MICRO MAXX™ ROCKETS  
ARE 3.5IN (9CM) TO  
5.5IN (14CM) LONG



04



# MICRO MAXX MICRO

DUAL MICRO MODEL ROCKET SETS DUAL MICRO MODEL ROCKET SETS

SR-71 BLACKBIRD &  
TOMAHAWK  
CRUISE MISSILE  
NO. 5621

**RTF**  
READY TO FLY  
SKILL LEVEL

MAXIMUM ALTITUDE  
**80 FEET** **24 METERS**

RECOVERY SYSTEM  
**MYLAR STREAMER**

**COMPLETE  
READY-TO-FLY  
MICRO MODEL ROCKET  
DUAL SETS**

**NEW**

UFO FLYING SAUCER  
& SPACE FIGHTER  
NO. 5622



MICRO MAXX™ ROCKETS ARE  
3.5IN (9CM) TO 5.5IN (14CM) LONG

**RTF**  
READY TO FLY  
SKILL LEVEL

MAXIMUM ALTITUDE  
**30 FEET** **9 METERS**

RECOVERY SYSTEM  
**MYLAR STREAMER**



# MAXX MICRO MAXX

DUAL MICRO MODEL ROCKET SETS DUAL MICRO MODEL ROCKET SETS

**DUAL SETS CONTAIN**

- 2 Completely Assembled Micro Model Rockets
- Silo Launch Pad with Launch Controller (Requires One 9 volt Alkaline battery - Not Included)
- 8 Micro Motors
- 8 Plug-In QMX Igniters
- 2 Display Stands

SPACE SHUTTLE  
ORBITER &  
SATURN V ROCKET  
NO. 5623

**RTF**  
READY TO FLY  
SKILL LEVEL

MAXIMUM ALTITUDE  
**50 FEET** **15 METERS**

RECOVERY SYSTEM  
**MYLAR STREAMER**

RAW FUSION ROCKET  
& VECTOR 1 ROCKET  
NO. 5624

**RTF**  
READY TO FLY  
SKILL LEVEL

MAXIMUM ALTITUDE  
**120 FEET** **37 METERS**

RECOVERY SYSTEM  
**MYLAR STREAMER**



PERFECT FOR  
BACKYARD LAUNCHING





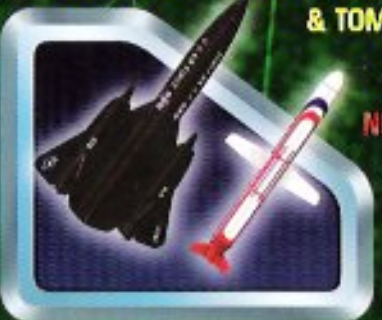
# MICRO MAXX MICRO

MICRO MODEL ROCKETS MICRO MODEL ROCKETS

RAW FUSION  
ROCKET &  
VECTOR I  
ROCKET  
NO. 5644



DUAL ROCKET PACKS



SR-71 BLACKBIRD  
& TOMAHAWK  
CRUISE  
MISSILE  
NO. 5641

SPACE  
SHUTTLE  
ORBITER &  
SATURN V  
ROCKET  
NO. 5643



UFO  
FLYING  
SAUCER  
& SPACE  
FIGHTER  
NO. 5642

**SKILL LEVEL**  
**RTF** READY TO FLY  
 MAX. ALTITUDE  
**30-120 FT 9-36 M**  
 RECOVERY SYSTEM  
**STREAMER**

**EACH DUAL ROCKET  
PACK CONTAINS:  
2 MICRO MAXX  
ROCKETS &  
2 DISPLAY  
STANDS**

PERFECT FOR  
BACKYARD LAUNCHING



# MAXX MICRO MAXX

MICRO MODEL ROCKETS MICRO MODEL ROCKETS

ADVANCED MOTOR CASING DESIGN

USING MICRO MAXX™ MOTORS  
& QMX PLUG-IN IGNITERS



MICRO MAXX  
MOTORS  
NO. 5662  
8 Motors & Igniters/Pkg.



QMX PLUG-IN  
IGNITERS  
NO. 5670  
8 Igniters/Pkg.



Place Micro Maxx™ motor into the motor mount/fin-unit assembly with the nozzle facing downward.



Re-connect the motor mount/fin-unit assembly with the rocket body.



Secure the motor mount/fin-unit assembly by twisting and locking it in place.



Insert QMX Plug-In Igniter into Silo Launch Pad.

Lower Micro Maxx™ rocket onto QMX Plug-In Igniter.

NOTE: Motors & Igniters are only usable for one flight. They must be removed and replaced for additional flights.



# QUEST QUEST QUEST QUEST QUEST

COMPLETE SETS COMPLETE SETS COMPLETE SETS COMPLETE SETS COMPLETE SETS COMPLETE SETS COMPLETE SETS

COMPLETE READY-TO-FLY  
MODEL ROCKET SETS

SHOCKWAVE  
COMPLETE SET  
NO. 5702



SKILL LEVEL

**RTF** **READY TO FLY**

LENGTH

18IN 45.7CM

DIAMETER

T-35MM 1.378IN

MAX. ALTITUDE

1000FT 304M

RECOVERY SYSTEM

**PARACHUTE**

MOTORS TO USE

B6-4 C6-3 C6-5

WHIPLASH  
COMPLETE SET  
NO. 5700



RECOIL  
COMPLETE SET  
NO. 5706



**RTF SETS FEATURE:**

- Completely Assembled RTF Model Rocket
- Sturdy Launch Pad
- Futuristic Launch Controller (Requires One 9 volt Alkaline battery - Not Included)
- 3 Model Rocket Motors
- Tiger Tail II Igniters
- Recovery Wadding

BASIC READY-TO-FLY  
MODEL ROCKET SETS

SONIC BOOM  
COMPLETE SET  
NO. 5707



BASIC RTF  
ROCKET  
SPECS.

SKILL LEVEL

**RTF** **READY TO FLY**

LENGTH

15IN 38.1CM

DIAMETER

T-25MM .98IN

MAX. ALTITUDE

1200FT 365M

RECOVERY SYSTEM

**PARACHUTE**

MOTORS TO USE

A6-4 B6-4 C6-3 C6-5

BASIC RTF  
COMPLETE SETS  
NO. 5700  
NO. 5706  
NO. 5707  
NO. 5708

CHAIN REACTION  
COMPLETE SET  
NO. 5708





# QUEST QUEST QUEST QUEST QUEST

COMPLETE SETS COMPLETE SETS COMPLETE SETS COMPLETE SETS COMPLETE SETS COMPLETE SETS



## USS ENTERPRISE NCC 1701-E

STAR TREK®  
U.S.S. ENTERPRISE™  
NCC-1701-E  
NO. 5725

### SKILL LEVEL

**RTF** READY TO FLY

LENGTH

16.5 IN 41.9 CM

WIDTH

5.25 IN 13.3 CM

MAX. ALTITUDE

600 FT 183 M

RECOVERY SYSTEM

**PARACHUTE**

MOTORS TO USE

C6-3 ONLY

STAR TREK®  
U.S.S. ENTERPRISE™  
NCC-1701-E  
COMPLETE SET  
NO. 5750



TM & © Paramount Pictures. All rights reserved. Star Trek and related marks are trademarks of Paramount Pictures. Spectra Star, authorized user. Quest®, Area 51® and UFO Flying Saucer® are trademarks of Toy Biz, a division of Marvel Enterprises, Inc.



## UFO FLYING SAUCER

AREA 51 U.F.O.  
FLYING SAUCER  
NO. 5726



### SKILL LEVEL

**RTF** READY TO FLY

HEIGHT

6 IN 15.2 CM

SAUCER DIA.

7.5 IN 19 CM

MAX. ALTITUDE

300 FT 91 M

RECOVERY SYSTEM

**FLOATS BACK**

MOTORS TO USE

C6-0 ONLY

### RTF SETS FEATURE:

- Completely Assembled RTF Model Rocket
- Sturdy Launch Pad
- Futuristic Launch Controller
- 3 Model Rocket Motors
- Tiger Tail II Igniters
- Recovery Wadding

AREA 51 U.F.O.  
FLYING SAUCER  
COMPLETE SET  
NO. 5760



88

88



# QUEST QUEST QUEST QUEST QUEST

FLYING MODEL ROCKETS FLYING MODEL ROCKETS FLYING MODEL ROCKETS FLYING MODEL ROCKETS FLYING MODEL ROCKETS

**CYCLONE**  
NO. 5721

## READY-TO-FLY MODEL ROCKETS WITH PARACHUTE RECOVERY



**SKILL LEVEL**  
**RTF** READY TO FLY

**LENGTH**  
16 IN 40.6 CM

**DIAMETER**  
T-25 MM .984 IN

**MAX. ALTITUDE**  
1000 FT 304 M

**RECOVERY SYSTEM**  
**PARACHUTE**

**MOTORS TO USE**  
B6-4 B6-4 C6-3 C6-5

**SKYDIVE**  
NO. 5722



**SKILL LEVEL**  
**RTF** READY TO FLY

**LENGTH**  
17 IN 43.1 CM

**DIAMETER**  
T-30 MM 1.18 IN

**MAX. ALTITUDE**  
1000 FT 304 M

**RECOVERY SYSTEM**  
**PARACHUTE**

**MOTORS TO USE**  
A6-4 B6-4 C6-3 C6-5

**THUNDER**  
NO. 5723



**SKILL LEVEL**  
**RTF** READY TO FLY

**LENGTH**  
19 IN 48.26 CM

**DIAMETER**  
T-35 MM 1.378 IN

**MAX. ALTITUDE**  
1000 FT 304 M

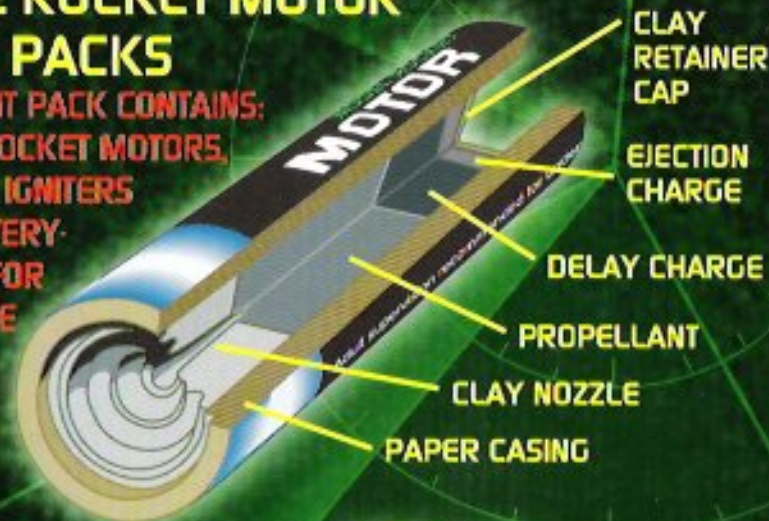
**RECOVERY SYSTEM**  
**PARACHUTE**

**MOTORS TO USE**  
B6-4 C6-3 C6-5



## MODEL ROCKET MOTOR FLIGHT PACKS

EACH FLIGHT PACK CONTAINS:  
3 MODEL ROCKET MOTORS,  
TIGERTAIL II IGNITERS  
AND RECOVERY-  
WADDING, FOR  
3 COMPLETE  
FLIGHTS.



**MOTOR  
FLIGHT PACKS**  
A6-4 NO. 5740  
B6-4 NO. 5741  
C6-0 NO. 5742  
C6-3 NO. 5743  
C6-5 NO. 5744

**RECOVERY  
WADDING**  
NO. 7020  
100 Sheets/Pkg.

**TIGERTAIL II  
IGNITERS**  
NO. 7010  
6/Pkg.




**SKILL LEVEL**  
**RTF** READY TO FLY

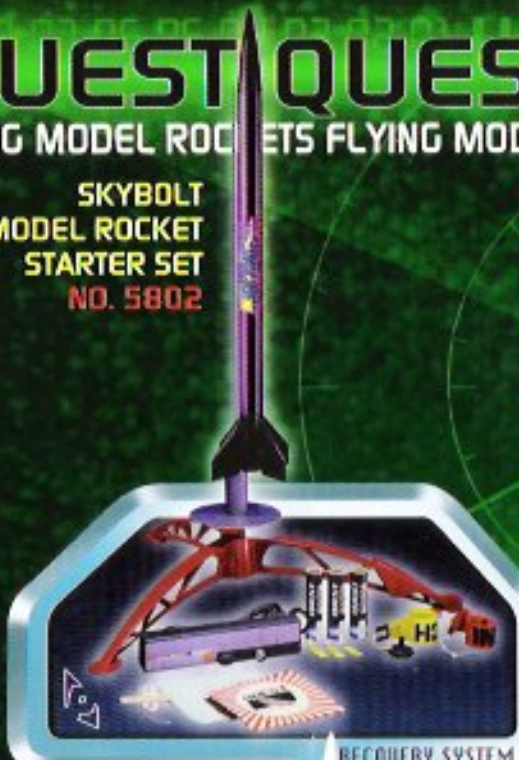
1 2  
3 4



# QUEST QUEST QUEST QUEST QUEST QUEST

FLYING MODEL ROCKETS FLYING MODEL ROCKETS FLYING MODEL ROCKETS FLYING MODEL ROCKETS FLYING MODEL ROCKETS

**SKYBOLT  
MODEL ROCKET  
STARTER SET  
NO. 5802**



- STARTER SETS CONTAIN**
- Model Rocket Kit
  - Sturdy Launch Pad
  - Launch Controller (Requires 4 "AA" Alkaline Batteries - Not Included)
  - Recovery System & Recovery Wadding
  - 3 Model rocket Motors
  - 3 Tiger Tail II Igniters
  - Reusable Range Box (No. 5300, 5400 & 5806)

**SKILL LEVEL**  
**1 BEGINNER**  
**LENGTH**  
**14 IN 35.56 CM**  
**DIAMETER**  
**T-20 MM .787 IN**  
**MAX. ALTITUDE**  
**600 FT 182 M**

**RECOVERY SYSTEM**  
**STREAMER**  
**MOTORS TO USE**  
**A6-4 ONLY**



**TRACER  
MODEL ROCKET  
STARTER SET  
NO. 5300**

**SKILL LEVEL**  
**1 BEGINNER**  
**LENGTH**  
**15 IN 38.1 CM**  
**DIAMETER**  
**T-25 MM .984 IN**  
**MAX. ALTITUDE**  
**1100 FT 335 M**

**RECOVERY SYSTEM**  
**PARACHUTE**  
**MOTORS TO USE**  
**A6-4 B6-4 C6-3 C6-5**

**COMPLETE  
MODEL ROCKET  
STARTER SETS**

**FALCON  
DELUXE MODEL ROCKET  
STARTER OUTFIT  
NO. 5400**



**SKILL LEVEL**  
**1 BEGINNER**  
**LENGTH**  
**24 IN 60.6 CM**  
**DIAMETER**  
**T-35 MM 1.378 IN**  
**MAX. ALTITUDE**  
**900 FT 274 M**

**RECOVERY SYSTEM**  
**PARACHUTE**  
**MOTORS TO USE**  
**B6-4 C6-3 C6-5**

**BIG RAGE  
PAYLOADER  
DELUXE MODEL ROCKET  
STARTER OUTFIT  
NO. 5806**




**SKILL LEVEL**  
**1 BEGINNER**  
**LENGTH**  
**37 IN 94 CM**  
**DIAMETER**  
**T-35 MM 1.378 IN**  
**MAX. ALTITUDE**  
**500 FT 152 M**

**RECOVERY SYSTEM**  
**2 PARACHUTES**  
**MOTORS TO USE**  
**B6-4 C6-3 C6-5**



# QUEST QUEST QUEST QUEST QUEST QUEST

FLYING MODEL ROCKETS FLYING MODEL ROCKETS FLYING MODEL ROCKETS FLYING MODEL ROCKETS FLYING MODEL ROCKETS



**PIP SQUEAK  
NO. 1001**

**SKILL LEVEL**  
1 **BEGINNER**

**LENGTH**  
7.25IN 18.4CM

**DIAMETER**  
T-20MM .787IN

**RECOVERY SYSTEM**  
**STREAMER**

**MOTORS TO USE**  
A6-4 B6-4 C6-5

**MAX. ALTITUDE**  
1800FT 548M



**THE FLASH  
NO. 1011**

**SKILL LEVEL**  
1 **BEGINNER**

**LENGTH**  
11IN 28CM

**DIAMETER**  
T-20MM .787IN

**RECOVERY SYSTEM**  
**STREAMER**

**MOTORS TO USE**  
A6-4 B6-4 C6-5

**MAX. ALTITUDE**  
1800FT 548M



**ANTARI  
NO. 1003**

**SKILL LEVEL**  
1 **BEGINNER**


**LENGTH**  
13IN 33CM

**DIAMETER**  
T-20MM .787IN

**RECOVERY SYSTEM**  
**STREAMER**

**MOTORS TO USE**  
A6-4 ONLY

**MAX. ALTITUDE**  
600FT 182M



**ASTRA I  
NO. 1004**

**SKILL LEVEL**  
1 **BEGINNER**

**LENGTH**  
13IN 33CM

**DIAMETER**  
T-25MM .984IN

**RECOVERY SYSTEM**  
**PARACHUTE**

**MOTORS TO USE**  
A6-4 B6-4 C6-5

**MAX. ALTITUDE**  
1000FT 304M



**COMMANDER  
NO. 1007**

**SKILL LEVEL**  
1 **BEGINNER**

**LENGTH**  
12.75IN 32.4CM

**DIAMETER**  
T-20MM .787IN

**RECOVERY SYSTEM**  
**STREAMER**

**MOTORS TO USE**  
A6-4 B6-4 C6-5

**MAX. ALTITUDE**  
1200FT 365M



**SPRINT  
NO. 1002**

**SKILL LEVEL**  
1 **BEGINNER**

**LENGTH**  
14.5IN 36.8CM

**DIAMETER**  
T-20MM .787IN

**RECOVERY SYSTEM**  
**STREAMER**

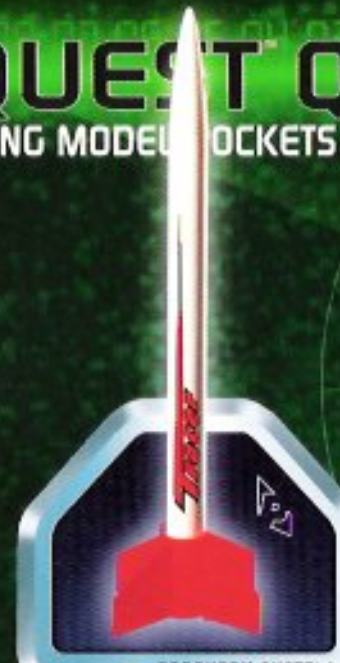
**MOTORS TO USE**  
A6-4 B6-4 C6-5

**MAX. ALTITUDE**  
1600FT 487M



# QUEST QUEST QUEST QUEST QUEST

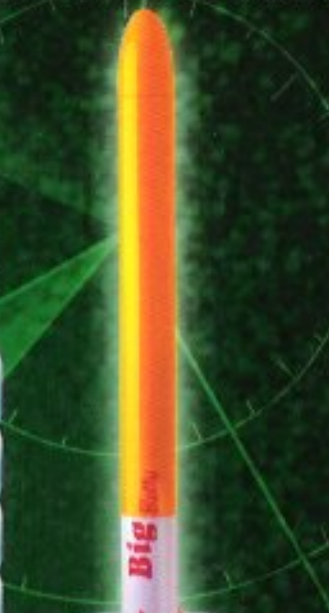
FLYING MODEL ROCKETS FLYING MODEL ROCKETS FLYING MODEL ROCKETS FLYING MODEL ROCKETS FLYING MODEL ROCKETS



**TRACER**  
NO. 1005

SKILL LEVEL  
**1 BEGINNER**  
LENGTH  
**15IN 38.1CM**  
DIAMETER  
**T-25MM .984IN**  
MAX. ALTITUDE  
**1100FT 335M**

RECOVERY SYSTEM  
**PARACHUTE**  
MOTORS TO USE  
A6-4 B6-4 C6-3 C6-5



**BIG BETTY**  
NO. 1014

SKILL LEVEL  
**1 BEGINNER**  
LENGTH  
**23IN 58.4CM**  
DIAMETER  
**T-40MM 1.576IN**  
MAX. ALTITUDE  
**800FT 243M**

RECOVERY SYSTEM  
**PARACHUTE**  
MOTORS TO USE  
B6-4 C6-3 C6-5



**TOTALLY TUBULAR**  
NO. 1012

SKILL LEVEL  
**1 BEGINNER**  
LENGTH  
**15IN 38.1CM**  
DIAMETER  
**T-20MM .787IN**  
MAX. ALTITUDE  
**1400FT 426M**

RECOVERY SYSTEM  
**STREAMER**  
MOTORS TO USE  
A6-4 B6-4 C6-3 C6-5



**QUASAR**  
NO. 1008

SKILL LEVEL  
**1 BEGINNER**  
LENGTH  
**19.25IN 48.9CM**  
DIAMETER  
**T-25MM .984IN**  
MAX. ALTITUDE  
**1000FT 304M**

RECOVERY SYSTEM  
**PARACHUTE**  
MOTORS TO USE  
A6-4 B6-4 C6-3 C6-5



**FALCON**  
NO. 1006

SKILL LEVEL  
**1 BEGINNER**  
LENGTH  
**24IN 60.6CM**  
DIAMETER  
**T-35MM 1.378IN**  
MAX. ALTITUDE  
**900FT 274M**

RECOVERY SYSTEM  
**PARACHUTE**  
MOTORS TO USE  
B6-4 C6-3 C6-5



**BIG RAGE PAYLOADER**  
NO. 1010

SKILL LEVEL  
**1 BEGINNER**  
LENGTH  
**37IN 94CM**  
DIAMETER  
**T-35MM 1.378IN**  
MAX. ALTITUDE  
**500FT 152M**

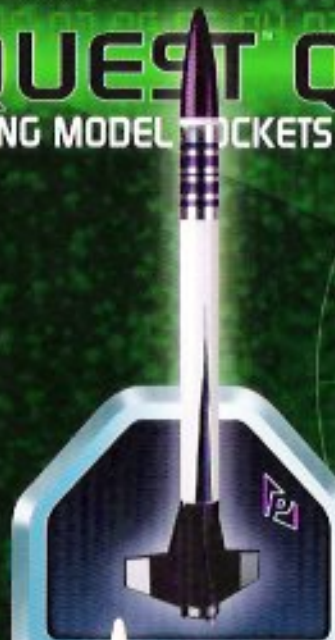
RECOVERY SYSTEM  
**2 PARACHUTES**  
MOTORS TO USE  
B6-4 C6-3 C6-5





# QUEST QUEST QUEST QUEST QUEST QUEST

FLYING MODEL ROCKETS FLYING MODEL ROCKETS FLYING MODEL ROCKETS FLYING MODEL ROCKETS FLYING MODEL ROCKETS



**LIGHTNING**  
NO. 1013

SKILL LEVEL

**1 BEGINNER**

LENGTH

**18.5IN 47CM**

DIAMETER

**T-30MM 1.18IN**

MAX. ALTITUDE

**1200FT 365M**

RECOVERY SYSTEM

**PARACHUTE**

MOTORS TO USE

**A6-4 B6-4 C6-3 C6-5**



**Q E-Z**  
**PAYLOADER**  
NO. 1009

SKILL LEVEL

**1 BEGINNER**

LENGTH

**21.5IN 53.4CM**

DIAMETER

**T-30MM 1.18IN**

MAX. ALTITUDE

**1200FT 365M**

RECOVERY SYSTEM

**2 PARACHUTES**

MOTORS TO USE

**B6-4 C6-3 C6-5**



**SPIN FIN**  
NO. 2009

SKILL LEVEL

**2 EXPERIENCED**

LENGTH

**12IN 38.1CM**

DIAMETER

**T-25MM .984IN**

MAX. ALTITUDE

**1200FT 365M**

RECOVERY SYSTEM

**PARACHUTE**

MOTORS TO USE

**A6-4 B6-4 C6-3 C6-5**



**TOMAHAWK**  
NO. 2005

SKILL LEVEL

**2 EXPERIENCED**

LENGTH

**18.75IN 47.6CM**

DIAMETER

**T-20MM .787IN**

MAX. ALTITUDE

**600FT 182M**

RECOVERY SYSTEM

**STREAMER**

MOTORS TO USE

**A6-4 ONLY**



**EVADER**  
NO. 2001

SKILL LEVEL

**2 EXPERIENCED**

LENGTH

**16.38IN 41.6CM**

DIAMETER

**T-25MM .984IN**

MAX. ALTITUDE

**1000FT 304M**

RECOVERY SYSTEM

**PARACHUTE**

MOTORS TO USE

**A6-4 B6-4 C6-3 C6-5**



**APOLLO**  
**PAYLOADER**  
NO. 2003

SKILL LEVEL

**2 EXPERIENCED**

LENGTH

**27IN 68.2CM**

DIAMETER

**T-30MM 1.18IN**

MAX. ALTITUDE

**600FT 182M**

RECOVERY SYSTEM

**2 PARACHUTES**

MOTORS TO USE

**B6-4 C6-3 C6-5**



# QUEST QUEST QUEST QUEST QUEST

FLYING MODEL ROCKETS FLYING MODEL ROCKETS FLYING MODEL ROCKETS FLYING MODEL ROCKETS FLYING MODEL ROCKETS



**GAMMA-RAY  
PAYLOADER  
NO. 2004**

SKILL LEVEL

**2** EXPERIENCED

LENGTH

**17.38IN 44.15CM**

DIAMETER

**T-20MM .787IN**

MAX. ALTITUDE

**1000FT 304M**

RECOVERY SYSTEM

**PARACHUTE**

MOTORS TO USE

**B6-4 C6-3 C6-5**



**SUPERBIRD  
PAYLOADER  
NO. 2010**

SKILL LEVEL

**2** EXPERIENCED

LENGTH

**31IN 78.7CM**

DIAMETER

**T-35MM 1.378IN**

MAX. ALTITUDE

**800FT 243M**

RECOVERY SYSTEM

**2 PARACHUTES**

MOTORS TO USE

**B6-4 C6-3 C6-5**



**NIKE SMOKE  
NO. 2007**

SKILL LEVEL

**2** EXPERIENCED

LENGTH

**19.5IN 49.5CM**

DIAMETER

**T-35MM 1.378IN**

MAX. ALTITUDE

**1200FT 365M**

RECOVERY SYSTEM

**PARACHUTE**

MOTORS TO USE

**A6-4 B6-4 C6-3 C6-5**



**COURIER  
PAYLOADER  
NO. 2011**

SKILL LEVEL

**2** EXPERIENCED

LENGTH

**22IN 55.9CM**

DIAMETER

**T-35MM 1.378IN**

MAX. ALTITUDE

**900FT 274M**

RECOVERY SYSTEM

**2 PARACHUTES**

MOTORS TO USE

**B6-4 C6-3 C6-5**



**NIKE-K  
PAYLOADER  
NO. 2002**

SKILL LEVEL

**2** EXPERIENCED

LENGTH

**30.75IN 78.1CM**

DIAMETER

**T-35MM 1.378IN**

MAX. ALTITUDE

**700FT 213M**

RECOVERY SYSTEM

**2 PARACHUTES**

MOTORS TO USE

**B6-4 C6-3 C6-5**

**ICARUS  
PAYLOADER  
NO. 2006**

SKILL LEVEL

**2** EXPERIENCED

LENGTH

**24.25IN 61.6CM**

DIAMETER

**T-35MM 1.378IN**

MAX. ALTITUDE

**700FT 213M**

RECOVERY SYSTEM

**PARACHUTE**

MOTORS TO USE

**B6-4 C6-3 C6-5**



# QUEST QUEST QUEST QUEST QUEST

FLYING MODEL ROCKETS FLYING MODEL ROCKETS FLYING MODEL ROCKETS FLYING MODEL ROCKETS FLYING MODEL ROCKETS

**FLAT CAT  
BOOSTER GLIDER  
NO. 3006**



**SKILL LEVEL**  
3 **ADVANCED**

**LENGTH**  
20IN 50.8CM

**WINGSPAN**  
34.29CM 13.5IN

**MAX. ALTITUDE**  
800FT 243M

**RECOVERY SYSTEM**  
**STREAMER**

**MOTORS TO USE**  
B6-4 C6-3

**DC-Y SPACE  
CLIPPER  
NO. 3004**



**SKILL LEVEL**  
3 **ADVANCED**

**LENGTH**  
13.5IN 34.3CM

**DIAMETER**  
101.6MM 4.0IN

**MAX. ALTITUDE**  
300FT 91M

**RECOVERY SYSTEM**  
2 **PARACHUTES**

**MOTORS TO USE**  
C6-3 ONLY

**HL-20 LIFTING BODY  
NO. 2008**



**SKILL LEVEL**  
3 **ADVANCED**

**LENGTH**  
8.5IN 21.6CM

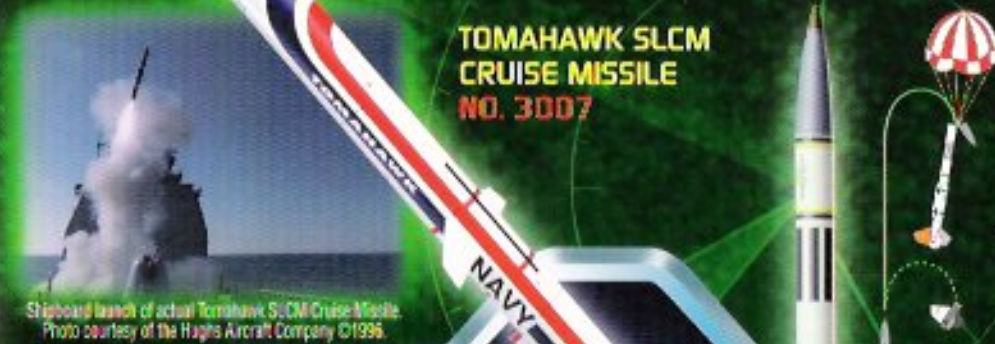
**DIAMETER**  
18.42MM 7.25IN

**MAX. ALTITUDE**  
800FT 243M

**RECOVERY SYSTEM**  
**STREAMER**

**MOTORS TO USE**  
B6-4 C6-3 C6-5

**TOMAHAWK SLCM  
CRUISE MISSILE  
NO. 3007**



Shipboard launch of actual Tomahawk SLCM Cruise Missile. Photo courtesy of the Hughs Aircraft Company ©1996.

**SKILL LEVEL**  
3 **ADVANCED**

**LENGTH**  
22IN 55.9CM

**DIAMETER**  
T-40MM 1.57IN

**MAX. ALTITUDE**  
800FT 243M

**RECOVERY SYSTEM**  
**PARACHUTE**

**MOTORS TO USE**  
B6-4 C6-3 C6-5

**NAVAHO AGM  
TWO-STAGER  
NO. 3003**



**SKILL LEVEL**  
3 **ADVANCED**

**LENGTH**  
20.25IN 51.4CM

**DIAMETER**  
T-25MM .984IN

**MAX. ALTITUDE**  
2100FT 640M

**RECOVERY SYSTEM**  
**PARACHUTE**

**MOTORS TO USE**  
A6-4 B6-4 C6-3 C6-5 • C6-0

**ZENITH II  
TWO-STAGE  
PAYLOADER  
NO. 3005**



**SKILL LEVEL**  
3 **ADVANCED**

**LENGTH**  
22.75IN 57.8CM

**DIAMETER**  
T-25MM .984IN

**MAX. ALTITUDE**  
1500FT 457M

**RECOVERY SYSTEM**  
**PARACHUTE**

**MOTORS TO USE**  
A6-4 B6-4 C6-3 C6-5 • C6-0



# QUEST QUEST QUEST QUEST QUEST

FLYING MODEL ROCKETS FLYING MODEL ROCKETS FLYING MODEL ROCKETS FLYING MODEL ROCKETS FLYING MODEL ROCKETS FLYING MODEL ROCKETS

EDUCATIONAL KITS FOR CLASSROOM PROGRAMS (25/PKG.)

**X-30 NATIONAL  
AEROSPACE PLANE  
NO. 4001**



RECOVERY SYSTEM	SKILL LEVEL
<b>2 PARACHUTES</b>	<b>4 EXPERT</b>
MOTORS TO USE	LENGTH
<b>B6-4 C6-3</b>	<b>16.75 IN 42.5 CM</b>
	DIAMETER
	<b>22 CM 8.5 IN</b>
	MAX. ALTITUDE
	<b>700 FT 213 M</b>



**AURORA  
WITH TR-3  
GLIDER  
NO. 3002**



RECOVERY SYSTEM	SKILL LEVEL
<b>PARACHUTE</b>	<b>3 ADVANCED</b>
MOTORS TO USE	LENGTH
<b>B6-4 C6-5</b>	<b>15 IN 38.1 CM</b>
	DIAMETER
	<b>T-25 MM .984 IN</b>
	MAX. ALTITUDE
	<b>500 FT 152 M</b>



**INTRUDER  
NO. 3001**



RECOVERY SYSTEM	SKILL LEVEL
<b>PARACHUTE</b>	<b>3 ADVANCED</b>
MOTORS TO USE	LENGTH
<b>A6-4 B6-4 C6-3 C6-5</b>	<b>19.25 IN 48.9 CM</b>
	DIAMETER
	<b>T-25 MM .984 IN</b>
	MAX. ALTITUDE
	<b>800 FT 244 M</b>

**NOVIA NO. 5582**



RECOVERY SYSTEM	SKILL LEVEL
<b>STREAMER</b>	<b>1 BEGINNER</b>
MOTORS TO USE	MAX. ALTITUDE
<b>A6-4 B6-4 C6-3 C6-5</b>	<b>1800 FT 549 M</b>
	LENGTH
	<b>11.5 IN 29.2 CM</b>
	DIAMETER
	<b>T-20 MM .787 IN</b>

**STARHAWK NO. 5583**



RECOVERY SYSTEM	SKILL LEVEL
<b>STREAMER</b>	<b>1 BEGINNER</b>
MOTORS TO USE	MAX. ALTITUDE
<b>A6-4 ONLY</b>	<b>500 FT 152 M</b>
	LENGTH
	<b>13 IN 33 CM</b>
	DIAMETER
	<b>T-20 MM .787 IN</b>

**ASTRA NO. 5584**



RECOVERY SYSTEM	SKILL LEVEL
<b>PARACHUTE</b>	<b>1 BEGINNER</b>
MOTORS TO USE	MAX. ALTITUDE
<b>A6-4 B6-4 C6-3 C6-5</b>	<b>1200 FT 365 M</b>
	LENGTH
	<b>13 IN 33 CM</b>
	DIAMETER
	<b>T-25 MM .984 IN</b>

**VIPER NO. 5594**



RECOVERY SYSTEM	SKILL LEVEL
<b>PARACHUTE</b>	<b>1 BEGINNER</b>
MOTORS TO USE	MAX. ALTITUDE
<b>A6-4 B6-4 C6-3 C6-5</b>	<b>1000 FT 304 M</b>
	LENGTH
	<b>17.25 IN 43.8 CM</b>
	DIAMETER
	<b>T-25 MM .984 IN</b>

**SCIENCE  
TEACHING  
GUIDE  
NO. 9500**



Science Guide for teachers and youth leaders. Covers the basics of model rocket flight. Discusses stability, center of gravity (CG) and center of pressure (CP) relationships, aerodynamics, Newton's laws of motion and other important topics. Includes sample lesson, plus specific teaching techniques, tools and worksheets.



# QUEST QUEST QUEST QUEST QUEST

SHAPING THE FUTURE OF MODEL ROCKETRY SHAPING THE FUTURE OF MODEL ROCKETRY SHAPING THE FUTURE OF MODEL ROCKETRY

## FUTURISTIC LAUNCH CONTROLLER NO. 7510



## LIFT-OFF LAUNCH PAD NO. 7610

## COMPLETE LAUNCH SYSTEM NO. 7700

Includes one each No. 7510 and No. 7610



### LIFT-OFF LAUNCH PAD FEATURES:

- 36 in (91 cm) Two-Piece Launch Rod
- Blast Deflector Plate
- Tilt Adjustment
- Rod Safety Cap
- Wind Streamer

### FUTURISTIC LAUNCH CONTROLLER FEATURES:

- Blinking Arming Light
- Beeping Alarm
- Deluxe Safety Key
- "Sure Grip" Design (Requires One 9 volt Alkaline battery - Not Included)

MOTOR TYPE	A6-4	B6-4	C6-0	C6-3	C6-5
PRODUCT NO.	5740	5741	5742	5743	5744
TYPE	SINGLE STAGE	SINGLE STAGE	SINGLE STAGE	SINGLE STAGE	SINGLE STAGE
TOTAL IMPULSE NEWTON/LB. - SEC	2.59/56	5.00/112	10.00/225	13.00/225	10.00/225
TIME DELAY	4 sec.	4 sec.	none	3 sec.	5 sec.
MAX LIFT WEIGHT (OZ./G.)	2.5/79	4.0/113	4.0/113	4.0/113	4.0/113
PROPELLANT WEIGHT (OZ./G.)	.12/3.5	.23/6.5	.44/12.5	.44/12.5	.44/12.5

### Technical Notes

All figures shown are optimum performance. Actual thrust-time curves are included with each motor. A Newton (N) is the measurement of force required to move one kilogram of mass one meter per second. (1.45 N=1.0 oz. of thrust)

Quest rocket motors have met the standards set by The National Association of Rocketry, The National Fire Protection Association, California State Fire Marshal.



### Safety

Model rocketry is recommended for ages 10 to adult. Adult supervision is suggested for those under 12 years of age when flying model rockets. You must be 14 years of age to purchase "A" through "C" type rocket motors in CA & NJ.

## N.A.R. INFORMATION

### How You Can Join the National Association of Rocketry (NAR)

Founded in 1957, the NAR is a non-profit organization whose members participate in local, regional, national and international competitions; help establish rules and standards for contests; and benefit from the many books, slide shows, technical reports, and score rocket data available through the association. Your initial NAR membership package includes a copy of the US Model Rocket Sporting Code, containing the rules to over two dozen contests. Use this book to attend model rocket meets throughout the country; to hold your own local competitions; or to try to set official national records. You also receive a free 1-year subscription (6 issues) to American Space modeling magazine, which includes model rocketry news, plans, photos, tech articles, and contest reports. You can also purchase, for a low annual fee, model rocket

liability insurance with \$1,000,000 coverage. The insurance covers bodily injuries and property damage while flying model rockets in accordance with the NAR Model Rocket Safety Code.

For membership information, write to:

National Association of Rocketry  
P.O. Box 177, Dept. QH  
Altoona, WI 54720  
www.nar.org

### Join or Start Your Own Rocketry Club

Your local hobby dealer can tell you about rocketry clubs already established in your area, whose members share your interest in the hobby. Whether you fly rockets in a club with friends or by yourself, joining the NAR can make your hobby more fun and rewarding.

## NAR MODEL ROCKET SAFETY CODE

### 1. MATERIALS

My model rocket will be made of lightweight materials such as paper, wood, rubber, and plastic suitable for the power used and the performance of my model rocket. I will not use any metal for the nose cone, body, or fins of a rocket.

### 2. MOTORS

I will use only commercially-made, NAR-certified model rocket motors in the names recommended by the manufacturer. I will not alter the model rocket motor (engine), its parts, or its ingredients in any way.

### 3. RECOVERY

I will always use a recovery system in my model rocket that will return it safely to the ground so it may be flown again. I will use only flame-resistant recovery wadding if wadding is required by the design of my model rocket.

### 4. WEIGHT AND POWER LIMITS

My model rocket will weigh no more than 1,500 grams (53 ounces of lift) and its rocket motor(s) will produce no more than 320 Newton-seconds (9.45 Newtons equals 1.0 pound) of total impulse. My model rocket will weigh no more than the motor manufacturer's recommended maximum lift weight for the motor used, or I will use motors recommended by the manufacturer for my model rocket.

### 5. STABILITY

I will check the stability of my model rocket before its first flight, except when launching a model rocket of already proven stability.

### 6. PAYLOADS

Except insects, my model rocket will never carry live animals or a payload that is intended to be flammable, explosive, or harmful.

### 7. LAUNCH SITE

I will launch my model rocket outdoors in a cleared area, free of tall trees, power lines, buildings, and dry brush and grass. My launch site will be at least as large as that recommended in the following table.

#### LAUNCH SITE DIMENSIONS

Installed Total Impulse (N-sec) (N=1)	Equivalent Motor Type	Minimum Site Dimension (N=1)
1.26-2.50	A	120
2.51-5.00	B	250
5.01-10.00	C	420

### 8. LAUNCHER

I will launch my model rocket from a stable launch device that provides flight guidance until the model rocket has reached a

steep glidepath to ensure a safe flight path. To prevent accidental eye injury, I will always place the launcher so the end of the rod is above eye level or I will cap the end of the rod when approaching it. I will cap or disassemble my launch pad when not in use and I will never store it in an upright position. My launcher will have a jet deflector device to prevent the motor exhaust from hitting ground directly. I will always clear the area around my launch device of brown grass, dry weeds, or other combustible materials.

### 9. IGNITION SYSTEMS

The system used to launch my model rocket will be remotely controlled and electrically operated. It will contain a launching switch that will return to "off" when activated. This system will contain a removable safety interlock in series with the launch switch. All persons will remain at least 15 feet from the model rocket when I am igniting model rocket motors totaling 30 Newton-seconds or less of total impulse. I will use only electrical igniters recommended by the motor manufacturer that will ignite model rocket motor(s) within one second of activation of the launching switch.

### 10. LAUNCH SAFETY

I will ensure that people in the launch area are aware of the pending model rocket launch and can see the model rocket's trail before I begin my audible 5-second count down. I will not launch a model rocket so its flight path will carry it against a target if my model rocket fails a mission. I will not allow anyone to approach I or the launcher until I have made certain that the safety interlock has been removed or that the battery has been disconnected from the ignition system. I will wait one minute after a misfire before allowing anyone to approach the launcher.

### 11. FLYING CONDITIONS

I will launch my model rocket only when the wind is no more than 20 miles per hour. I will not launch my rocket so it flies into clouds, near aircraft in flight, or in a manner that is hazardous to people or property.

### 12. PRE-LAUNCH TEST

When conducting research activities with unproven model rocket designs or methods I will, when possible, determine the reliability of my model rocket by pre-launch tests. I will conduct the launching of an unproven design in complete isolation from persons not participating in the actual launching.

### 13. LAUNCH ANGLE

My launch device will be pointed within 30 degrees of vertical. I will never use model rocket motors to propel any device horizontally.

### 14. RECOVERY HAZARDS

If a model rocket becomes entangled in a power line or other dangerous piece, I will not attempt to retrieve it.

Lift-off is total impulse of total power produced by the motor. Each succeeding "letter" has double the power of the previous. For example, a "B" type motor is double the power of an "A" type motor. The first number indicates how fast the motor breaks you rocket to level. The higher the number, the greater the speed. The number next stands for the average thrust in Newton-seconds, or the average force exerted. The last number is the delay time in seconds. This is the time duration from the end of thrust to the activation of the ejection charge.

A6-4



# MARVEL MODEL KITS

HEROES VILLAINS



HIGHLY DETAILED,  
EASY-TO-ASSEMBLE MODEL  
KITS OF YOUR FAVORITE  
MARVEL CHARACTERS

**RHINO™**  
SKILL LEVEL 1  
NO. 48886

**RHINO™**  
SKILL LEVEL 2  
NO. 47783



**SPIDER-MAN™**  
SKILL LEVEL 1  
NO. 48651



**SILVER SURFER™**  
SKILL LEVEL 1  
NO. 48653

**VENOM®**  
SKILL LEVEL 1  
NO. 48654



**MARVEL COMICS**  
LEVEL 1  
SNAP-TOGETHER  
MODEL KITS

# MARVEL MODEL KITS

HEROES VILLAINS HEROES VILLAINS

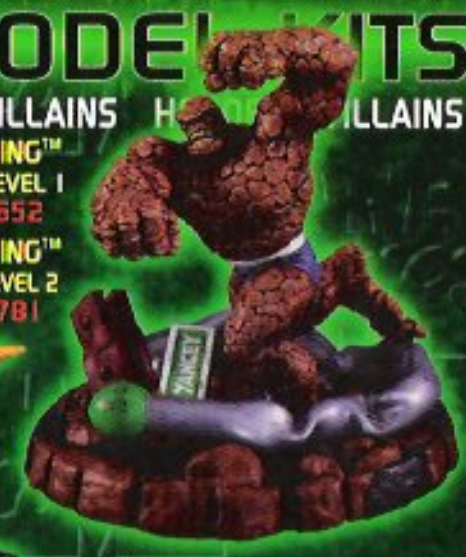
**BEAST™**  
SKILL LEVEL 1  
NO. 48887

**BEAST™**  
SKILL LEVEL 2  
NO. 47782



**THE THING™**  
SKILL LEVEL 1  
NO. 48652

**THE THING™**  
SKILL LEVEL 2  
NO. 47781



**MARVEL COMICS**  
LEVEL 2  
GLUE-TOGETHER  
MODEL KITS

**SPIDER-MAN™**  
SKILL LEVEL 2  
NO. 48658



**WOLVERINE®**  
SKILL LEVEL 2  
NO. 48657



# MARVEL MODEL KITS MARVEL MODEL KITS

HEROES VILLAINS HEROES VILLAINS HEROES VILLAINS HEROES VILLAINS



**THOR™**  
SKILL LEVEL 2  
NO. 48621



**THE HULK®**  
SKILL LEVEL 2  
NO. 48656



**STORM™**  
SKILL LEVEL 2  
NO. 48659



**CAPTAIN AMERICA®**  
SKILL LEVEL 2  
NO. 48622

**VENOM®**  
SKILL LEVEL 2  
NO. 49737



**SPIDER-MAN™**  
SKILL LEVEL 2  
NO. 49736



**GHOST RIDER™**  
SKILL LEVEL 3  
NO. 48660



MARVEL COMICS ALL MARVEL character names and distinctive likenesses thereof. TM and © 1999 Marvel Characters, Inc. All Rights Reserved.



# QUEST QUEST QUEST

SHAPING THE FUTURE OF MODEL ROCKETRY

**MICRO  
MAXX™**  
MICRO MODEL ROCKETS



**PERFECT  
FOR BACKYARD  
LAUNCHING**



**MICRO MAXX ROCKETS ARE  
3.5 IN (9CM) TO 5.5 IN (14CM) LONG**

See Pages 3 To 8

## FUTURISTIC LAUNCH CONTROLLER

Features:  
Blinking Arming Light,  
Beeping Alarm,  
Deluxe Safety Key &  
"Sure Grip" Design.  
See Page 29



Quest Aerospace, A Division of Toy Biz,  
A Division of Marvel Enterprises, Inc.  
350 E. 18th St., Yuma, AZ 85364, U.S.A.  
Customer Service Phone Number 520-762-2541