

# AeroSpace Research

Prices are subject to change without notice. Always confirm the price when ordering.

**Pricelist Date:** 4-Oct-2018  
**Mobile:** 072 777 8018  
**Email:** [johanngr@live.com](mailto:johanngr@live.com)  
**Web Site:** [www.rocketry.co.za](http://www.rocketry.co.za)  
**Address:** RocketStore  
 No. 50 Juta street  
 Rothdene, Gauteng  
 1961

**Bank Details:**  
 Bank: First National Bank  
 Account No: 624 063 53 996  
 Branch code: 250 655  
**Snail mail:** PO Box 321  
 Rothdene  
 1964

CODE	NAME	Price	Description/Comments
All kits are customisable by the user. Always check CP/CG relationship before flying any Rocket.			
Rocket Airframe Kits	Name	Diameter Price	Description/Comments
RK-NOVA-1	SuperNOVA	43 R 300.00	Mid-power Rocket kit for F and G motors - Very sleek looking and the popular 3FNC design. Parachute included.
RK-NOVA-2	Tomahawk	43 R 300.00	Mid-power Rocket kit for F and G motors - Semi-scale model of IQSY Tomahawk sounding rocket. Parachute included.
RK-STEM-1	STEM-1	68 R 750.00	Mid-power Rocket kit for F and G motors - Large Mid-power rocket. Parachute included.
RK-1	StarChaser 2	68 R 550.00	The ideal entry level kit. It contains all the parts needed to build a Rocket for use with Level 1 certifications. Parachute not included.
RK-2	AMRAAM	68 R 600.00	The ideal entry level kit. It contains all the parts needed to build a Rocket for use with Level 1 certifications. Parachute not included.
RK-3	Interceptor	80 R 750.00	The ideal entry level kit. It contains all the parts needed to build a Rocket for use with Level 1 and 2 certifications. Parachute not included.
RK-4	Tsyklon (Cyclone)	105 R 950.00	Largest Rocket kit in SA. It contains all the parts needed to build a Rocket for use with Level 1 and 2 certifications. Parachute not included.
RK-5	Taurus	105 R 900.00	Largest Rocket kit in SA. It contains all the parts needed to build a Rocket for use with Level 1 and 2 certifications. Parachute not included.
RK-6	Pegasus	105 R 950.00	Largest Rocket kit in SA. It contains all the parts needed to build a Rocket for use with Level 1 and 2 certifications. Parachute not included.
RK-7	AMRAAM	105 R 1 050.00	Largest Rocket kit in SA. It contains all the parts needed to build a Rocket for use with Level 1 and 2 certifications. Parachute not included.

## Recovery Components

<b>RRS-1</b>	68mm Rocket Recovery System	R 500.00	Complete with 1200mm Main (12-panel Canopy), 600mm Drogue, 2 harness sets, Quick-links and pistons.
<b>RRS-2</b>	105mm Rocket Recovery System	R 850.00	Complete with 2000mm Main (12-panel Canopy), 600mm Drogue, 2 harness sets, Quick-links and pistons.

Item	Size (mm)	Price	Description
<b>Parachute</b>			
PM3000	Parachute	3000 R 1 050.00	For Rockets up to 20kg (12-Panel Canopy)
PM2000	Parachute	2000 R 700.00	For Rockets up to 9Kg (12-Panel Canopy)
PM1200	Parachute	1200 R 450.00	For Rockets up to 3Kg (12-Panel Canopy)
PD1000	Parachute	1000 R 200.00	Drogue, very tough for high-speed deployment
PD600	Parachute	600 R 150.00	Drogue, very tough for high-speed deployment
PD300	Parachute	300 R 100.00	Drogue, very tough for high-speed deployment
<b>Nylon Webbing</b>			
Nylon Webbing is sold per meter			
TN25	Tubular Nylon	25 R 30.00	Rockets up to 20Kg
TN15	Tubular Nylon	15 R 15.00	Rockets up to 9Kg
TN5	Tubular Nylon	5 R 7.00	Rockets up to 6Kg
TN3	Tubular Nylon	3 R 4.00	Rockets up to 2Kg
<b>Harness (Shock Cord)</b>			
Ready made with Kevlar thread and quick links			
FNH-9	5m with loops	R 115.00	Rockets up to 9Kg
TNH-2	4m with loops	R 55.00	Rockets up to 6Kg

## Rocket Components

All bulkheads and centering rings are available in custom sizes and designs.

### Construction Items

Item	Size (mm)	Price	Comment
NC-105	Nosecone	105 R 350.00	Plastic, 430mm long - Hand lay-up Fibreglass available at R150 extra
BT-105	Body Tubes	105 R 40.00	550 or 700mm long
CT-105	Coupler Tubes	105 R 25.00	200mm long
CR-105-76	Centring Rings	105 R 25.00	for 76mm Motors
CR-105-51	Centring Rings	105 R 25.00	for 51mm Motors
BH-105	Bulkheads	105 R 25.00	To fit a body tube or coupler tube, please specify
NC-80	Nosecone	80 R 220.00	Plastic, 330mm long - Hand lay-up Fibreglass available at R150 extra
BT-80	Body Tubes	80 R 25.00	400, 600 or 700mm long
CT-80	Coupler Tubes	80 R 20.00	160 or 200mm long
CR-80-51	Centring Rings	80 R 20.00	for 51mm Motors
CR-80-38	Centring Rings	80 R 20.00	for 38mm Motors
BH-80	Bulkheads	80 R 20.00	To fit a body tube or coupler tube, please specify
NC-68	Nosecone	68 R 180.00	Plastic, 280mm long - Hand lay-up Fibreglass available at R150 extra
BT-68	Body Tubes	68 R 20.00	350, 450, 500mm long
CT-68	Coupler Tubes	68 R 15.00	140 or 200mm long
CR-68-51	Centring Rings	68 R 20.00	for 51mm Motors
CR-68-38	Centring Rings	68 R 20.00	for 38mm Motors
BH-68	Bulkheads	68 R 20.00	To fit a body tube or coupler tube, please specify
BT-43	Body Tubes	43 R 10.00	350mm long
MMT-76	Motor Mount Tubes	76 R 25.00	700mm long (Size given is Inner Diameter)
MMT-51	Motor Mount Tubes	51 R 15.00	450mm long (Size given is Inner Diameter)
MMT-38	Motor Mount Tubes	38 R 10.00	350mm long (Size given is Inner Diameter)

## Miscellaneous

Item	Size (mm)	Price	Comment
UB-6	U-Bolts	6 R 20.00	Including nuts and washers
EB-6	Eye Bolts	6 R 15.00	Including nuts and washers
TR-6	Threaded Rods	6 R 20.00	1000mm
ES-1	Epoxy System	R 350.00	1 kg Epoxy and fillers
ES-2	Epoxy Resin and Hardener	R 275.00	1 kg. Excellent for all projects.
CF-1	Cotton Flocks	R 50.00	For making strong fillets and general bonding with epoxy.
MB-1	Micro Balloons	R 50.00	For making fillets and filling imperfections. Makes sanding easier.
LB-1	Launch Button	R 15.00	Large for 105mm and larger. These are professionally turned form high quality PE Plastics.
LB-2	Nylon runner	R 5.00	Small for standard rail - up to 105mm Rockets
RR-1	Rocket Ruler	R 20.00	Angle Aluminium that makes drawing straight lines on round tubes easier.

## Flight Electronics

Item	Price	Description
AIM-1	R 1 500.00	AIM Recording Altimeter USB
REC-1	R 350.00	Electronic Timer with deceleration activation. Up to 99 seconds with 1 second interval.

EMP-68	68mm Rocket Mounting plate	R	15.00
EMP-80	80mm Rocket Mounting plate	R	20.00
EMP-105	105mm Rocket Mounting plate	R	25.00

**Rocket Motors**

**Comments**

Rocket motors will use a corresponding reload on each flight.

	Item	Size	Price	
	<b>Hardware</b>			
RM-38-80	F-Class (2-grain)	38	R 800.00	
RM-38-160	G-Class (3-grain)	38	R 800.00	
RM-38-300	H-Class (6-grain)	38	R 800.00	
RM-38-480	I-Class (9-grain)	38	R 850.00	
RM-51-600	I-Class (4-grain)	51	R 1 200.00	
RM-51-900	J-Class (6-grain)	51	R 1 250.00	
RM-51-1250	J-Class (8-grain)	51	R 1 300.00	
	<b>Reloads</b>			
F-100	F-Class (2-grain)	38	R 85.00	80
G-150	G-Class (3-grain)	38	R 115.00	160
H-180	H-Class (6-grain)	38	R 165.00	300
I-200	I-Class (9-grain)	38	R 195.00	480
I-210	I-Class (4-grain)	51	R 220.00	600
J-250	J-Class (6-grain)	51	R 280.00	900
J-350	J-Class (8-grain)	51	R 350.00	1250

All reloads include an igniter and ejection charges. Quoted performance is approximate.

Total impulse (Ns)