

# **2010 to 2012 Accessories Catalog**



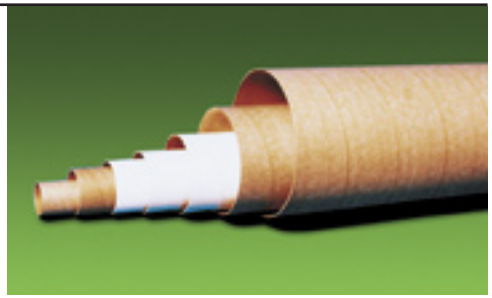
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## AIRFRAME TUBING

Very strong yet light weight fiber tubing especially crafted to our rigid specifications for close tolerances, working ease, and durability, these airframes cover a wide spectrum of diameters and wall thicknesses that are available from LOC/PRECISION. The BT-5.38 and BT-7.51 can be used for specific M and N class motor applications.



CATALOG#	I.D.	O.D.	THICKNESS	LENGTH	WEIGHT
BT-1.14	0.95"	1.140"			
BT-1.52	1.525"	1.635"	.055"	34"	3.25 oz.
BT-2.14	2.140"	2.260"	.060"	34"	7.50 oz.
BT-2.56	2.560"	2.630"	.035"	30"	4.50 oz.
BT-3.00	3.000"	3.100"	.050"	34"	7.75 oz.
BT-3.90	3.900"	4.000"	.050"	34"	11.00 oz.
BT-5.38	5.380"	5.540"	.080"	42"	26.00 oz.
BT-7.51	7.515"	7.675"	.080"	30"	24.00 oz.

## PRE-SLOTTED AIRFRAME TUBING

These are the same pre-slotted airframe tubes that go into LOC kits. They are the perfect component for your next Hi-Power design. Each has the same diameter, thickness and length as our standard tubing that is specified above. All slots are 1/8" wide by 4 5/8" long.



CATALOG#	AIRFRAME SIZE	NUMBER OF SLOTS
SBT-2.14-3S	BT-2.14	3
SBT-2.14-4S	BT-2.14	4
SBT-2.56-3S	BT-2.56	3
SBT-3.00-4S	BT-3.00	4
SBT-3.90-3S	BT-3.90	3
SBT-3.90-6S	BT-3.90	6

Custom tube slotting is available, please call for details.

## MOTOR MOUNT TUBES

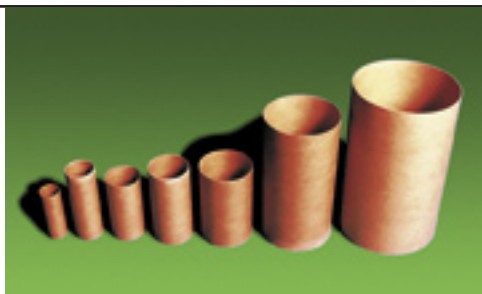
These strong fiber tubes are especially designed for motor mount applications and come in generous 34" lengths. These tubes can also be used for minimum diameter airframe rockets utilizing 24mm, 29mm, 38mm, 54mm, 75mm and 98mm motors.



CATALOG#	I.D.	THICKNESS	MOTOR DIAMETER
MMT-0.71	0.715"	.025"	23/32" (18mm)
MMT-0.95	0.950"	.025"	15/16" (24mm)
MMT-1.14	1.140"	.035"	1 1/8" (29mm)
MMT-1.52	1.525"	.055"	1 1/2" (38mm)
MMT-2.14	2.140"	.060"	2 1/8" (54mm)
MMTHD-3.00	3.000"	.060"	3.00" (75mm)
MMTHD-4.00	4.000"	.060"	3 7/8" (98mm)

## TUBE COUPLERS

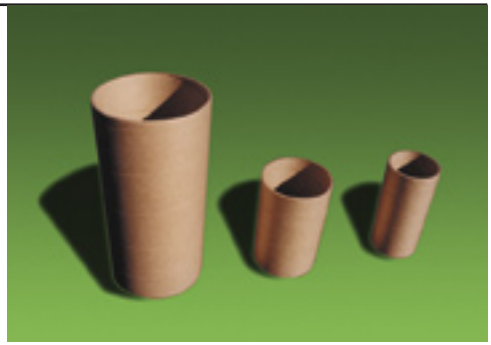
These short lengths of spiral wound tubing fit snugly inside of LOC's airframe tubing. Tube Couplers are used to join sections of airframe. Stacking and epoxying multiple couplers inside of a standard airframe will increase its strength under high load conditions.



CATALOG#	FITS AIRFRAME	LENGTH
TC-1.14	BT-1.14 (18mm)	2"
TC-1.52	BT-1.52 (38mm)	4"
TC-2.14	BT-2.14 (54mm)	6"
TC-2.56	BT-2.56 (63mm)	6"
TC-3.00	BT-3.00 (75mm)	6"
TC-3.90	BT-3.90 (98mm)	6"
TC-5.38	BT-5.38 (?mm)	9"
TC-7.51	BT-7.51 (?mm)	11"
TC-7.51-15	BT-7.51 (?mm)	15"

## STIFFY™ TUBE COUPLER STIFFENERS

These heavy duty stiffeners feature a deep spiral groove for maximum epoxy adhesion. Stiffys are designed to be epoxied inside of our standard tube couplers to greatly increase their lateral strength. Snapping a payload section off at the joint under high speed stress is not a worry when you fly with a Stiffy™.



CATALOG#	FITS COUPLER
STC-2.14	BT-2.14
STC-2.56	BT-2.56
STC-3.00	BT-3.00
STC-3.90	BT-3.90
STC-5.38	BT-5.38
STC-7.51	BT-7.51

## PAYLOAD EXTENSIONS

Our Payload Extensions are a great way to add length to your rocket and provide space for your experimental payloads, locators and cameras. Payload Extensions include a section of airframe tubing, tube coupler and bulkhead assembly in one convenient package.



CATALOG#	I.D.	O.D.	PAYLOAD LENGTH
PL-1.52	1.525"	1.635"	10"
PL-2.14	2.140"	2.260"	10"
PL-2.56	2.560"	2.630"	10"
PL-3.00	3.000"	3.100"	14"
PL-3.90	3.900"	4.000"	15"
PL-5.38	5.380"	5.540"	20"
PL-7.51	7.515"	7.675"	30"

## MOTOR MOUNT ADAPTERS

These adapters are perfect for utilizing 24mm, 29mm, or 38mm motors in LOC's motor mount or airframe tubing. Available in kit form with instructions, these adapters can be temporarily friction fitted or permanently epoxied into place. Custom versions are also available.



CATALOG#	MOTOR DIAMETER	MOTOR MOUNT REDUCER
MMA-1	15/16" (24mm)	29mm to 24mm
MMA-2	1 1/8" (29mm)	38mm to 29mm
MMA-3	1 1/8" (29mm)	54mm to 29mm
MMA-4	1 1/2" (38mm)	54mm to 38mm
MMA-5	1 1/2" (38mm)	75mm to 38mm
MMA-6	2 1/8" (54mm)	75mm to 54mm
MMA-7	2 1/8" (54mm)	98mm to 54mm

## BULKHEAD PLATE ASSEMBLIES

These assemblies are necessary for payload sections and come in kit form consisting of bulkhead plate, eye screw and instructions. For added strength, the BA-3.00 and BA-7.51 uses a threaded eye bolt with a nut and two washers.



CATALOG#	FITS COUPLER	ATTACHMENT
BA-1.52	TC-1.52	SCREW EYE
BA-2.14	TC-2.14	SCREW EYE
BA-2.56	TC-2.56	SCREW EYE
BA-3.00	TC-3.00	EYEBOLT
BA-3.90	TC-3.90	EYEBOLT
BA-5.38	TC-5.38	EYEBOLT
BA-7.51	TC-7.51	EYEBOLT

## CENTERING RINGS

LOC/PRECISION centering rings are manufactured from 1/8", 3/16", and 1/4" specialty plwood on precision milling and turning centers keeping preset close tolerances. These are the best made in the Hi-Power industry today.



CATALOG#	FITS AF	FOR MMT	FOR MOTOR DIAMETER
FCR-1.52-1.14	BT-1.52	MMT-1.14	1 1/8" (29mm)
CR-2.14-0.95	BT-2.14	MMT-0.95	15/16" (24mm)
CR-2.14-1.52	BT-1.52	MMT-1.52	1.52" (38mm)
CR-2.14-1.14	BT-2.14	MMT-1.14	1 1/8" (29mm)
CR-2.56-0.95	BT-2.56	MMT-0.95	15/16" (24mm)
CR-2.56-1.52	BT-2.56	MMT-1.52	1.52" (38mm)
CR-2.56-1.14	BT-2.56	MMT-1.14	1 1/8" (29mm)
CR-3.00-0.71	BT-3.00	MMT-0.71	0.71" (18mm)
CR-3.00-0.95	BT-3.00	MMT-0.95	15/16" (24mm)
CR-3.00-1.14	BT-3.00	MMT-1.14	1 1/8" (29mm)
CR-3.00-1.52	BT-3.00	MMT-1.52	1.52" (38mm)
CR-3.00-2.14	BT-3.00	MMT-2.14	2 1/8" (54mm)
CR-3.90-1.14	BT-3.90	MMT-1.14	1 1/8" (29mm)
CR-3.90-1.52	BT-3.90	MMT-1.52	1.52" (38mm)
CR-3.90-2.14	BT-3.90	MMT-2.14	2 1/8" (54mm)
CR-3.90-3.00	BT-3.90	MMTHD-3.00	3.00" (75mm)
CR-5.38-1.52	BT-5.38	MMT-1.52	1.52" (38mm)
CR-5.38-2.14	BT-5.38	MMT-2.14	2 1/8" (54mm)
CR-5.38-3.00	BT-5.38	MMTHD-3.00	3.00" (75mm)
CR-5.38-3.90	BT-5.38	MMT-3.90	3 7/8" (98mm)
CR-7.51-1.52	BT-7.51	MMT-1.52	1.52" (38mm)
CR-7.51-2.14	BT-7.51	MMT-2.14	2 1/8" (54mm)
CR-7.51-3.00	BT-7.51	MMTHD-3.00	3.00" (75mm)
CR-7.51-3.90	BT-7.51	MMT-3.90	3 7/8" (98mm)

Custom sizes and multi-motor cluster configurations available, call for details.

## NOSE CONES

LOC/PRECISION is the only manufacturer that has the largest assortment of nose cones available for all Hi-Power applications. These precision molded nose cones combine high strength and ease of finishing. A strong screw eyelet is molded right into the nose cone base.

LOC/PRECISION'S nose cones are the best in the Hi-Power industry.



CATALOG#	FITS AIRFRAME	TOTAL LENGTH	SHOULDER LENGTH	WEIGHT
PNC-1.52	BT-1.52	10.00"	2.00"	3.5 oz.
PNC-2.14	BT-2.14	12.00"	2.50"	4.0 oz.
PNC-2.56	BT-2.56	11.62"	2.62"	3.0 oz.
PNC-3.00	BT-3.00	15.00"	3.75"	5.0 oz.
PNC-3.90	BT-3.90	16.50"	3.75"	5.0 oz.
PNC-5.38	BT-5.38	17.00"	4.00"	10.0 oz.
PNC-5.38L	BT-5.38	26.00"	5.00"	22.0 oz.
PNC-7.51	BT-7.51	27.00"	5.00"	32.0 oz.

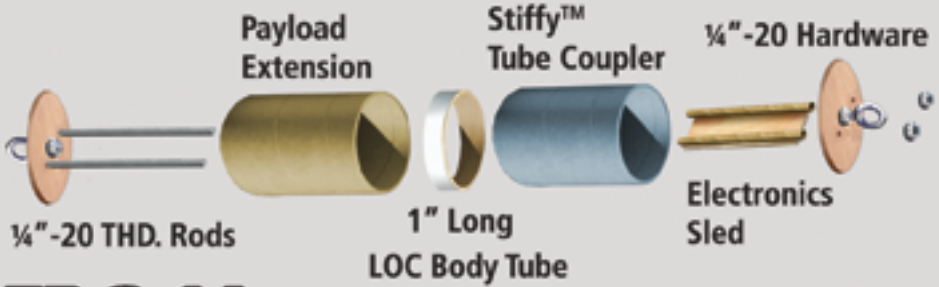
## AIRFRAME REDUCERS

LOC/PRECISION airframe reducers are precision molded using a polypropylene plastic and come with one caliber mating surfaces. Both reducers have a sturdy shock cord eyelet, and various raised motor mount tube diameter rings molded onto each end. These durable multifunction reducers can be used for inverted payload sections, boat tails or in-line. Molded into each end are cut-outs for MMT-1.14, MMT-1.52, and MMT-2.14 motor mount tube pass throughs.



CATALOG#	LENGTH	TAPER ANGLE	TAPER LENGTH	CONNECTS	WEIGHT
AR-3.00-2.14	8.00"	8°	3.12"	BT-3.00 TO BT-2.14	4.0 oz.
AR-3.90-3.00	8.75"	10°	2.50"	BT-3.90 TO BT-3.00	6.0 oz.

# Electronics Bays



**EB-2.14**

**EB-2.56**

**EB-3.0**

**EB-3.0L**

**EB-3.90**

**EB-3.90L**

**EB-5.38**

**EB-7.51**

**ASSEMBLED ELECTRONICS BAY**

**AVAILABLE DIAMETERS ARE:**

**2.14, 2.56, 3.00, 3.90, 5.38  
AND 7.51"**



LOC/PRECISION's Electronics Bays feature the universal mounting sled.

LOC/PRECISION's exclusive line of electronics bays and electronics payload extensions add great looking length to your rocket while providing ample room for electronics payloads such as altimeters, timers, locators, and Cameras.

EB CATALOG#	BAY LENGTH
EB-2.14	6"
EB-2.56	6"
EB-3.0	6"
EB-3.0L	8"
EB-3.90	6"
EB-3.90L	8"
EB-5.38	11"
EB-7.51	11"

# EXL ELECTRONICS PAYLOAD EXTENSIONS

LOC/PRECISION's EXL extensions combine a generous portion of our airframe tubing with one of our exclusive extended EB electronics bays. This convenient package makes conversion to electronic Multi-Chute Deployment™ a snap!

EXL CATALOG#	EB INCLUDED CATALOG#	ELECTRONICS BAY LENGTH	PAYLOAD LENGTH
EXL-3.00	EB-3.0	6"	15"
EXL-3.00	EB-3.0L	6"	15"
EXL-3.90	EB-3.90	6"	15"
EXL-3.90	EB-3.90L	8"	15"
EXL-5.38	EB-5.38	11"	20"
EXL-7.51	EB-7.51	11"	30"

## LAUNCH LUGS

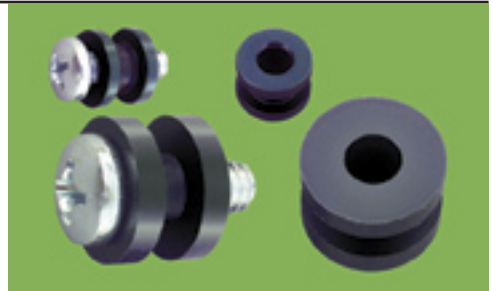
These tough fiber tubes are available for three different rocket size/weights: light, medium and heavy.



CATALOG#	FOR ROD SIZE	LENGTH
LL-25	1/4"	6"
LL-50	1/2"	6"
LL-937	15/16"	5"

## RAIL BUTTONS

These rail buttons made with Delrin® acetal resin and stainless steel mounting screws are compatible with the most popular rail systems.



CATALOG#	FOR RAIL SIZE	PACKAGE QUANTITY
RB-1000	1"	2
RB-1500	1 1/2"	2

## SHOCK CORD MOUNTS SCM

Shock Cord Mounts-SCM can be used on rockets weighing up to 48 oz. Our shock cord mounts are easy to make and install, yet are very strong. This mounting system also makes shock cord attachment quick and easy. Order shock cord separately.



## SHOCK CORD MOUNT BOLT ASSEMBLY

**SCMBA-250** Shock Cord Mounting Bolt assembly with Chain Connector includes 1/x20 Eyebolt, Nut, 2 fender washers and Chain connector CEC-2.

**SCMBA-375** Shock Cord Mounting Bolt assembly with Chain Connector includes 3/8" Eyebolt, Nut, 2 fender washers and Chain connector CEC-3.



CATALOG#	SIZE
SCMBA-250	1/4 X 20
SCMBA-375	3/8 X 20

## NYLON ELASTIC SHOCK CORD

This strong elastic shock cord comes in four sizes to meet most rocket recovery system applications.



CATALOG#	LENGTH	WIDTH
SC-250	5.5 ft.	1/4"
SC-375	8.5 ft.	3/8"
SC-500	12 ft.	1/2"
SC-750	15 ft.	3/4"

## TUBULAR NYLON SHOCK CORD

Both ends are sewn.



CATALOG#	LENGTH	WIDTH
TN-12	12 ft.	9/16"
TN-25	25 ft.	9/16"

## FLAME RESISTANT BLANKETS FRB

Enhanced protection for your recovery system, attach this to shock cord or shock cord mount and use as you would standard wadding. Blankets are reusable and can be machine washed.



CATALOG#	SIZES	FOR ROCKET SIZES
FRB-XS	3" x 3"	up to 1.635" Dia.
FRB-S	9" x 9"	up to 3.100" Dia.
FRB-M	12" x 12"	up to 4.000" Dia.
FRB-L	18" x 18"	up to 5.540" Dia.
FRB-XL	24" x 24"	up to 7.675" Dia.

## SHOCK CORD SLEEVE FRB

Use our flame resistant sleeves for increased protection of your shock cords.



CATALOG#	SIZES
FRS-1	36" x 1"

## SWIVELS NICKEL PLATED

Attach a Nickel Plated Swivel to your parachute or shock cord to reduce tangles on descent.

CATALOG#	SIZE
Swivel4/0	4/0 350 lb. Test
Swivel6/0	6/0 600 lb. Test
Swivel9/0	9/0 1000 lb. Test
Swivel12/0	12/0 1500 lb. Test



## CHAIN EYE CONNECTOR

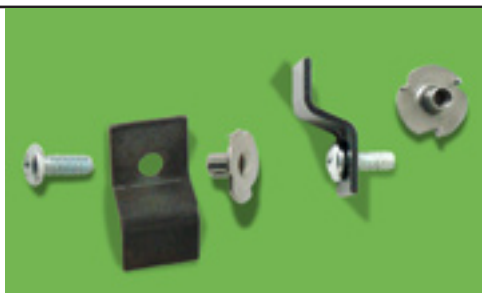
Chain Eye Connectors make moving your recovery components from one rocket to another a snap. Use the size 1 connector for smaller rockets using 3/16" Eyebolts. Larger sizes are also available.

CATALOG#	SIZE
CEC-1	3/16 Inch
CEC-2	1/4 Inch
CEC-3	3/8 Inch



## RELOADABLE MOTOR RETAINER

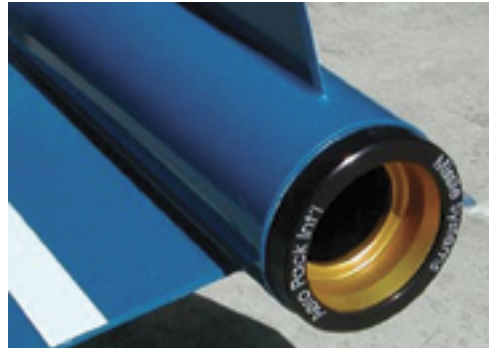
Z Clip Style Motor Retainer Set For Existing Airframes - includes two each Heavy Duty Z Clip, T-Nut Inserts with grip tongs for press in insertion. Low Profile Hold down Screw. Z clips are strong steel 3/4" wide. The center hole needs to be located at least 1/2" from the edge to mount properly. Use on larger rockets to keep motors with thrust rings in securely during flight and ejection.



CATALOG#	DESCRIPTION
MR-1	set of 2 Z-Clips

**LOC/PRECISION's** motor mount tubes can be fitted with for both single-use and reloadable motors. The retainer assemblies by Aero Pack, RA-29L through RA-75 bond with JB Weld to the end of motor tube.

Adapters A2938 through A5475 are designed to fit the motor mount tubes shown. There's no need to buy separate retainer assembly for smaller motors. No friction fitting is required and all adapters will nest into each other. Threaded 6061-T6 aluminum anodized for durability and reuse.



CATALOG#	MOTOR SIZE	DESCRIPTION
RA-29L	29mm	retainer assembly
RA-38L	38mm	retainer assembly
RA-54L	54mm	retainer assembly
RA-75	75mm	retainer assembly
A2938	29mm	adapter for 29mm motor fits 38mm
A3854	38mm	adapter for 38mm motor fits 54mm
A5475	54mm	adapter for 54mm motor fits 75mm

## J-B WELD®

This is ideal bonding for materials of different compositions together in a hard as steel join. Perfect for cementing the Retainer Assemblies. Remains pliable for 30 minutes. Proven heat resistant.

CATALOG#	SIZE
JBW	2 oz.



## RECOVERY WADDING

**LOC/PRECISION's** recovery wadding is environmentally safe, with NO asbestos fiber, NO glass fiber, NO formaldehyde Flame Resistant, Non-Toxic, does not itch! Use about one body diameter's worth in depth loosely packed to protect your recovery system from harmful ejection gas. Packaged in Resealable 9"x12" zip seal bags.

CATALOG#	SIZE
Wadding	6 oz.



## LOC/PRECISION PARACHUTES

Made exclusively by LOC/PRECISION, these chutes are the rocketeer's first choice. These parachutes use nylon braided shroud line in 200 lb. tensile strength. All chutes come in high visibility colors and are perfect for light, medium and heavy rockets.

LOC/PRECISION uses coated RIP-STOP NYLON in their construction.



CATALOG#	SIZE	NUMBER OF SHROUDS
LP-12	12"	6
LP-14	14"	6
LP-18	18"	8
LP-28	28"	8
LHPC-36	36"	12
LHPC-50	48"	16
LHPC-58	58"	16
LHPC-78	78"	16
LHPC-86	86"	24

## DEPLOYMENT FREE BAG

This deployment sleeve completely envelopes the parachute in fire-proof fabric while ensuring a reliable and orderly deployment.



CATALOG#	SIZE	FITS AIRFRAME
B2-DFBM	8X10	BT-3.00
B2-DFBL	9X11	BT-3.90
B2-DFBXL	9X14	BT-5.38
B2-DFBXXL	10X17	BT-7.51

## SKY ANGLE PARACHUTES

The SkyAngle Classic series was engineered in 1996 especially for mid-to-high power rocketry recovery, innovative in its multicolored extended-skirt design and low porosity silicone coated ripstop nylon material. Superior survivability in demanding conditions, these parachutes are perfect for certification level 1, 2 and 3 flights.



CATALOG#	SIZE	SHROUDS	DESCRIPTION	LOAD
B2-20	20"	3	Classic II	.7 to 1.5 lbs
B2-28	28"	3	Classic II	1.5 to 3.2 lbs
B2-32	32"	3	Classic II	2.1 to 4.4 lbs
B2-36	36"	3	Classic II	2.7 to 5.7 lbs
B2-44	44"	3	Classic II	4.4 to 9.5 lbs
B2-52	52"	3	Classic II	6.8 to 14.8 lbs
B2-60	60"	3	Classic II	10.2 to 22.1 lbs
B2-C3L	80"	4	Cert-3 Large	16.2 to 35.0 lbs
B2-C3XL	100"	4	Cert-3 XLarge	32.6 to 70.6 lbs
B2-C3XXL	120"	4	Cert-3 XXLarge	60.0 to 129.8 lbs
B2-C3 Drogue	24"	4	Drogue/Pilot Chute	1.0 to 2.2 lbs

## EPOXY QUICK CURE EPOXY MID CURE

LOC/PRECISION Epoxy in two cure time formulations is recommended for keeping these birds together! Easy to mix and use with durable containers for application and storage in 9 oz. packs.



CATALOG#	CURE TIME
EP-5	5 minutes
EP-15	15 minutes