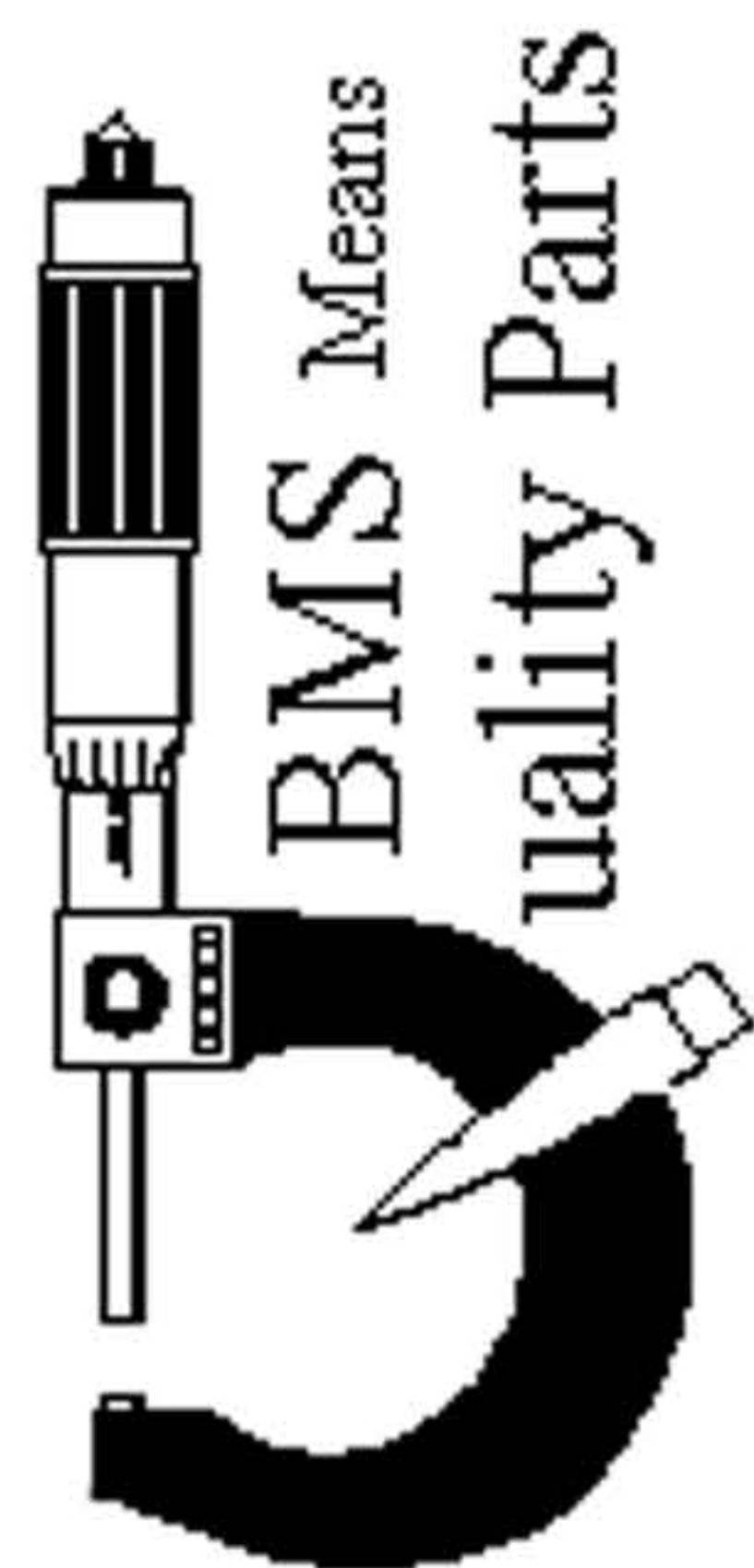


2008 CATALOG Rev A

Balsa Machining Service



Phone: (630) 257-5420
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Email: Sales@BalsaMachining.com

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MODEL ROCKETS & SUPPLIES

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1/195 scale
SATURN V

Designed by
Rockets of the
World author
Peter Alway.



\$50.00

Laser-cut tubes, fins, and details



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<p>SHAPE #1</p> <p>Conical</p> <p>AVAILABLE IN SIZE/ PRICE CATEGORIES</p> <p>1 2 3 4 5 6 7 8 9 10 11 12</p>	<p>SHAPE #2</p> <p>Bulkhead</p> <p>AVAILABLE IN SIZE/ PRICE CATEGORIES</p> <p>1 4 7 9 11</p>	<p>SHAPE #3</p> <p>Blank</p> <p>AVAILABLE IN SIZE/ PRICE CATEGORIES</p> <p>1 2 3 4 5 6 7 8 9 10 11 12</p>
<p>SHAPE #4</p> <p>Transition</p> <p>AVAILABLE IN SIZE/ PRICE CATEGORIES</p> <p>1 2 3 4 5 6 7 8 9 10 11 12</p>	<p>SHAPE #5</p> <p>Parabola</p> <p>AVAILABLE IN SIZE/ PRICE CATEGORIES</p> <p>1 2 3 4 5 6 7 8 9 10 11 12</p>	<p>SHAPE #6</p> <p>Tangent Ogive</p> <p>AVAILABLE IN SIZE/ PRICE CATEGORIES</p> <p>1 2 3 4 5 6 7 8 9 10 11 12</p>

All dimensions are in inches

<p>SHAPE #7</p> <p>Cylinder to Conical</p> <p>AVAILABLE IN SIZE/ PRICE CATEGORIES</p> <p>1 2 3 4 5 6 7 8 9 10 11 12</p>	<p>SHAPE #8</p> <p>Cylinder to Tangent Ogive</p> <p>AVAILABLE IN SIZE/ PRICE CATEGORIES</p> <p>1 2 3 4 5 6 7 8 9 10 11 12</p>	<p>SHAPE #9</p> <p>Cylinder to Parabola</p> <p>AVAILABLE IN SIZE/ PRICE CATEGORIES</p> <p>1 2 3 4 5 6 7 8 9 10 11 12</p>
<p>SHAPE #10</p> <p>Cylinder to Transition</p> <p>AVAILABLE IN SIZE/ PRICE CATEGORIES</p> <p>1 2 3 4 5 6 7 8 9 10 11 12</p>	<p>SHAPE #11</p> <p>Conical w/Blunt Tip</p> <p>AVAILABLE IN SIZE/ PRICE CATEGORIES</p> <p>1 2 3 4 5 6 7 8 9 10 11 12</p>	<p>SHAPE #12</p> <p>Cylinder to Conical w/Blunt Tip</p> <p>AVAILABLE IN SIZE/ PRICE CATEGORIES</p> <p>1 2 3 4 5 6 7 8 9 10 11 12</p>

SIZE/PRICE CATEGORIES - ONE TO THREE

<p>ONE</p> <p>.190 <= Q <= .976 1 < L+M+A < 2.5 .5 < M < 1 Q - .25 <= I < Q</p> <p>Contest Balsa (8lb) \$1.85 ea Hard Balsa (15lb) \$3.30 ea</p> <p>Deduct 10% if you order 10 or more. Call if 100 or more.</p>	<p>TWO</p> <p>.190 <= Q <= .976 2.5 < L+M+A < 4 .5 < M < 2 Q - .25 <= I < Q</p> <p>Contest Balsa (8lb) \$2.25 ea Hard Balsa (15lb) \$3.90 ea</p> <p>Deduct 10% if you order 10 or more. Call if 100 or more.</p>	<p>THREE</p> <p>.190 <= Q <= .976 4 < L+M+A < 6.5 .5 < M < 2 Q - .25 <= I < Q</p> <p>Contest Balsa (8lb) \$3.40 ea Hard Balsa (15lb) \$6.20 ea</p> <p>Deduct 10% if you order 10 or more. Call if 100 or more.</p>
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SIZE/PRICE CATEGORIES - FOUR TO SIX

<p>FOUR</p> <p>.976 < Q <= 1.95 1 < L+M+A < 4 .5 < M < 2 Q - .25 <= I < Q</p> <p>Contest Balsa (8lb) \$4.10 ea Hard Balsa (15lb) \$7.20 ea</p> <p>Deduct 10% if you order 10 or more. Call if 100 or more.</p>	<p>FIVE</p> <p>.976 < Q <= 1.95 4 < L+M+A < 7 .5 < M < 2 Q - .25 <= I < Q</p> <p>Contest Balsa (8lb) \$6.30 ea Hard Balsa (15lb) \$11.40 ea</p> <p>Deduct 10% if you order 10 or more. Call if 100 or more.</p>	<p>SIX</p> <p>.976 < Q <= 1.95 7 < L+M+A < 10.75 .5 < M < 2 Q - .25 <= I < Q</p> <p>Contest Balsa (8lb) \$11.50 ea Hard Balsa (15lb) \$20.30 ea</p> <p>Deduct 10% if you order 10 or more. Call if 100 or more.</p>
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SIZE/PRICE CATEGORIES - SEVEN TO NINE

<p>SEVEN</p> <p>1.95 <= Q <= 2.90 4 < L+M+A < 7 .5 < M <= 2 Q - .25 <= I < Q</p> <p>Contest Balsa (8lb) \$14.50 ea Hard Balsa (15lb) \$25.30 ea</p> <p>Deduct 10% if you order 5 or more. Call if 50 or more.</p>	<p>EIGHT</p> <p>1.95 <= Q <= 2.90 7 < L+M+A < 11 .5 < M <= 2 Q - .25 <= I < Q</p> <p>Contest Balsa (8lb) \$23.00 ea Hard Balsa (15lb) \$39.80 ea</p> <p>Deduct 10% if you order 5 or more. Call if 50 or more.</p>	<p>NINE</p> <p>2.90 < Q <= 3.938 7 < L+M+A < 11 .5 < M <= 2 Q - .25 <= I < Q</p> <p>Contest Balsa (8lb) \$27.00 ea Hard Balsa (15lb) \$43.80 ea</p> <p>Deduct 10% if you order 3 or more. Call if 25 or more.</p>
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SIZE/PRICE CATEGORIES - TEN TO TWELVE

<p>TEN</p> <p>2.90 < Q <= 3.938 11 < L+M+A < 17.0 .5 <= M <= 3 Q - .25 <= I < Q</p> <p>Contest Balsa (8lb) \$34.00 ea Hard Balsa (15lb) \$54.60 ea</p> <p>Deduct 10% if you order 3 or more. Call if 25 or more.</p>	<p>ELEVEN</p> <p>3.938 < Q <= 5.0 7 < L+M+A < 11 .5 <= M <= 3 Q - .25 <= I < Q</p> <p>Contest Balsa (8lb) \$44.00 ea Hard Balsa (15lb) \$72.00 ea</p> <p>Deduct 10% if you order 3 or more. Call if 25 or more.</p>	<p>TWELVE</p> <p>3.938 < Q <= 5.0 11 < L+M+A < 17.0 .5 <= M <= 3 Q - .25 <= I < Q</p> <p>Contest Balsa (8lb) \$49.00 ea Hard Balsa (15lb) \$81.00 ea</p> <p>Deduct 10% if you order 3 or more. Call if 25 or more.</p>
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2006 STOCK KITS & SUPPLIES ORDER FORM and PRICE LIST Sheet 1 of 4 1/1/06A

(see separate order form for over 100 different in-stock nose cones & transitions)

* Quantity discounts apply where an asterisk appears in the price slot of a category header. The letter next to the asterisk is the discount schedule to use. If there no asterisk or letter then there are NO quantity discounts for the items in that category. **Actual freight is charged when discounted items ordered**

Discount schedule A

25 to 49 pieces 25% off Tubes of different sizes can be combined to obtain discount on entire lot.
 50 to 99 pieces 30% off
 100+ pieces 40% off **This applies to category (BT) only!**

Discount schedule B

100+ pieces 40% off (Must all be same item)

Cat No	Product Description	Price	Qty	Total
NOSE CONES				
	See separate list of over 100 Balsa Cones, Transitions & bulkheads			
EDMONDS AEROSPACE				
DELTIE	Edmonds Deltie	\$9.99		
DELTIE-B	B Engine version of Deltie	\$14.95		
MICRO-DEL	Edmonds Micro-Deltie - 1/4 A	\$10.00		
CICI	Edmonds CICI Boost Glider	\$7.99		
TINEE	Edmonds Tinee Boost Glider	\$6.99		
GEMINEE	Edmonds Geminee Boost Glider	\$12.99		
ECEE	Edmonds Ecee Rocket Glider	\$13.99		
DELTIE-TH	Edmonds Deltie Thunder	\$29.99		
DEECEETH	Edmonds Dee Cee Thunder	\$27.99		
GEMINEE-TH	Edmonds Geminee Thunder	\$29.99		
ECEE-TH	Edmonds Ecee Thunder	\$34.99		
AIRSHOW	Edmonds Deltie Airshow	\$19.99		
TWINSEE	Edmonds Twinsee dual gliders	\$19.99		
CICISTG2	Edmonds CICI 2 stage gliders	\$19.99		
TWIN-TH	Edmonds Twin Thunder	\$32.00		
STAGE2-TH	Edmonds Stage2 Thunder	\$34.99		
GPACK	Edmonds G-Pack (10 Elcie's)	\$29.00		
ELCIE	Edmonds Elcie	\$10.00		
RADIO CONTROLLED				
ARCI11	Edmonds Rocket launched RC	\$34.99		
HITEC3FM	Complete Radio system for Arciell	\$149.00		
HS55	Hitec HS-55 Micro-lite Servo	\$21.00		
ARC2BAT	Special Rcv Battery for Arciell	\$17.00		
CHS3	Charger for Arciell RCV battery	\$14.00		
FEATHERR	Hitec Feather Receiver (w/o xtal)	\$35.00		
CONTEST CRAFT				
IVEE2G	Edmonds IVEE2G	\$9.99		
IVEE2GB	Edmonds IVEE2GB	\$20.00		
CR/G	CR/G	\$20.00		
IVEERGB	IVEERGB	\$20.00		
MICRO-IVE	Micro-Ivee - 1/4 A motor	\$10.00		
PETER ALWAY				
ARCAS-A	Arcas 1/4.6 scale model	\$13.00		
ASTRO15	Astrobee 1500	\$30.00		
SATURN5	1/195 scale Saturn V	\$50.00		
ZENIT	Zenit	\$15.00		

Cat No	Product Description	Price	Qty	Total
BMS KITS				
SRWS	School Rocket with Streamer	\$9.99		
SR4SBP	SR4KS bulk pack, 12+, ea	\$5.25		
	Deleted 2 items in this category			
SHORT KITS				
	* Short kits with asterisk are only short instructions. Download from JimZs			
K10	*Cobra - K10	\$24.95		
K20	*Mars Snooper - K20	\$34.95		
K24	*Gyroc - K24	\$10.00		
DISPLAY STANDS				
DSRRL1	Laser cut Centuri (each)	\$5.00		
DSRRL5	"Rocket Rack" in (5 pack)	\$20.00		
DSRRL10	.050" black cardboard. (10 pack)	\$30.00		
DSRR2B1	Laser cut Centuri (each)	\$6.00		
DSRR2B5	"Rocket Rack" in (5 pack)	\$25.00		
DSRR2B10	1/16" Basswood. (10 pack)	\$35.00		
LASER CUT FIN SETS				
LFOTS	"Estes Orbital transport" set	\$7.00		
LFK20	"Mars Snooper" fin set	\$5.00		
ENGINE HOOKS				
		* B		
BMSEH175	1.75" Long EH for Estes 1/2A	\$0.50		
BMSEH275	2.75" Long EH for Estes A thru D	\$0.50		
BMSEH375	3.75" Long EH for Estes E	\$0.60		
LAUNCH LUGS				
		* B		
LL18-125	1/8" x 1.25" LL	\$0.20		
LL316-200	3/16" x 2" LL	\$0.25		
LL18-1200	1/8" x 12 inch LL	\$0.75		
LL316-1200	3/16 x 12 inch LL	\$0.75		
LL114-300	0.316x0.280x.018x34 1/4 inch	\$0.25		
T14LL-34	0.316x0.280x.018x34 1/4 inch	\$1.50		
SCREW EYES				
		* B		
SEW214	Very Small (3/16" ID)	\$0.20		
SEW114	Small (1/4" ID)	\$0.20		
SEW12	Medium (3/8" ID)	\$0.25		
ELASTIC SHOCK CORD				
ESC18-10	Elastic shock cord 1/8 x10 ft.	\$1.00		
ESC14-10	Elastic shock cord 1/4 x10 ft.	\$2.00		
KEVLAR CORD				
KC28-10	10 ft of 28 lb Kevlar (0.007 in)	\$1.00		
KC50-10	10 ft of 50 lb Kevlar (0.015 in)	\$1.50		
KC75-10	10 ft of 75 lb Kevlar (0.020 in)	\$2.00		
KC200-10	10 ft of 200 lb Kevlar (0.050 in)	\$3.00		
KC400-10	10 ft of 400 lb Kevlar (0.94 in)	\$3.50		
TOTAL THIS PAGE		\$		

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2006 STOCK KITS & SUPPLIES ORDER FORM and PRICE LIST Sheet 2 of 4 1/1/06 A

(see separate order form for over 100 different in-stock nose cones & transitions)

Cat No	Product Description	Price	Qty	Total
PARACHUTES				
CHUTE12-P	12" 1 mil poly chute kit	\$1.50		
CHUTE18-P	18" 1 mil poly chute kit	\$2.00		
CHUTE24-P	24" 1.5 mil poly chute kit	\$2.50		
CHUTE12-N	12" 1.7 oz nylon-6 shroud lines	\$5.25		
CHUTE18-N	18" 1.7 oz nylon-6 shroud lines	\$7.25		
CHUTE24-N	24" 1.7 oz nylon-6 shroud lines	\$9.25		
CHUTE36-N	36" 1.7 oz nylon-8 shroud lines	\$15.95		
BODY TUBES * A				
T2-34	0.246x0.220x.013x34	\$1.50		
T2PLUS-34	0.281x0.255x.013x34	\$1.50		
T14LL-34	0.316x0.280x.018x34 1/4 inch	\$1.50		
T4-34	.448x.432x.013x34 Apogee micro	\$1.50		
T4+34	.478x.452x.013x34 slips over T4	\$1.50		
T5-34	.544x.518x.013x34 Estes mini A	\$1.50		
T5-9	.544x.518 x.013 x9 Estes BT5	\$1.00		
T20Q-34	.787x.748x.039x34 MP C/Quest	\$2.00		
T20-34	.736x.710x.013x34 Estes 18mm	\$1.75		
T908-34	.908x.865x.022x34 Centuri ST-8	\$2.00		
T50-34	.976x.950x.013x34 Estes 24mm	\$2.00		
T50H-34	.990 x.950 x.020 x34 HeavyWall	\$2.25		
T50-24HW	.990 x.950 x.020 x24 HeavyWall	\$2.00		
T50MF-34	1.000x0.950x.025x34 metal foil	\$3.00		
T104-34	1.040x1.00x.020 x34 Centuri ST-10	\$2.00		
T52H-34	1.21x1.14x.035x34 29mm motor mount	\$3.00		
T55-34	1.325x1.283x.021 Estes size	\$2.75		
T38-34	1.635x1.525x.055x34 38mm motor mount	\$5.00		
T60-34	1.637x1.595x.021 Estes size	\$3.50		
T188-34	1.880x1.800x.040x34 (Aerotech)	\$5.00		
T204-34	2.024x2.0x.021x34 Centuri ST-20	\$4.00		
T70-34	2.217x2.175x.021x34 Estes size	\$4.00		
T70H-34	2.245x2.175x.035x34 (heavy wall)	\$5.00		
T80-34	2.60x2.558x.021x34 Estes size	\$6.00		
T80H-34	2.640x2.558x.041x34 (heavy wall)	\$7.00		
T300-34	3.000x2.930x.035x34	\$8.00		
TUBE COUPLERS				
C5-2	.516x.474x2" T5 coupler	\$0.25		
C20-3	.708x.666x3" T20 coupler	\$0.25		
C50-1	.948x.88x1" T50 coupler	\$0.25		
C50-4	.948x.88x4" T50 coupler	\$0.50		
C52H-4	1.137x.977x4" T52H coupler	\$0.50		
C55-4	1.280x1.212x4" long T55 coupler	\$0.50		
C60-4	1.592x1.524x4" T60 coupler	\$0.65		
C188-4	1.796x1.728x4" T188 coupler	\$0.75		
C204-4	1.997x1.929x4" T204 coupler	\$0.75		
C70-4	2.172x2.104x4" T70 or T70H coup	\$0.75		
C80-4	2.554x2.474x4" T80 or T80H coup	\$1.00		
C80-6	2.554x2.474x6" T80 or T80H coup	\$1.50		
C300-6	2.925x2.855x6" T300 coupler	\$2.00		
COUPLER STOCK - 34 inches * A				
C5-34	.516x.474x34" T5 coupler stock	\$3.00		
C20-34	.708x.666x34" T20 coupler stock	\$3.50		
C50-34	.948x.88x34" T50 coupler stock	\$4.00		
C52H-34	1.137x.977x34" T52H coupler stk	\$5.00		
C55-34	1.280x1.212x34" T55 coupler stk	\$5.00		
C60-34	1.592x1.524x34" T60 coupler stk	\$6.00		
C188-34	1.796x1.728x34" T188 coupler stk	\$7.00		
continued on next column				

Cat No	Product Description	Price	Qty	Total
COUPLER STOCK - continued				
C204-34	1.997x1.929x34" T204 coupler stk	\$8.00		
C70-34	2.172x2.104x34" T70 or T70H stk	\$8.00		
C80-34	2.554x2.474x34" T80 or T80H stk	\$9.00		
C300-34	2.925x2.855x34" T300 coupler stk	\$10.00		
MOTOR TUBES & ADAPTERS				
T20-EMT	.736x.710x.013x2.75 Motor Tube	\$0.25		
T50-EMT	.976x.950x.013x2.75 Motor Tube	\$0.25		
T50H-EMT	.990x.950x.020x2.75 Motor Tube	\$0.25		
T50HE-MT	.990x.950x.020x3.75 Motor Tube	\$0.30		
T50F-MT	1.000x.950x.025x2.75 Foil Motor	\$0.30		
T50FE-MT	1.000x.950x.025x3.75 Foil Tube	\$0.35		
18/24EA	18mm to 24mm motor adapter kit	\$2.50		
ENGINE BLOCKS *B				
EB13-P	.516x.376x.25thk paper - mini eng	\$0.15		
EB18-P	.708x.542x.25thk paper - fits T20	\$0.15		
EB24-P	.946x.736x.25thk paper - fits T50	\$0.15		
EB29-P	1.137x.977x.50thk paper-fits T52H	\$0.20		
CENTERING RINGS				
-P=Paper, -F=fiber, -W=1/8 lite ply				
-XX = See Material code chart				
CR23-F	.348x.250x.05thk fiber	\$0.20		
CR24-F	.420x.250x.05thk fiber	\$0.20		
CR25-F	.516x.250x.05thk fiber	\$0.20		
CR220-F	.708x.250x.05thk fiber	\$0.20		
CR2+3-F	.348x.281x.05thk fiber	\$0.20		
CR2+4-F	.420x.281x.05thk fiber	\$0.20		
CR2+5-F	.518x.281x.05thk fiber	\$0.20		
CR34-F	.420x.376x.05thk fiber	\$0.20		
CR35-P	.516x.376x.25thk paper	\$0.20		
CR35-F	.516x.376x.05thk fiber	\$0.20		
CR320-F	.708x.376x.05thk fiber	\$0.20		
CR45-F	.516x.450x.05thk fiber	\$0.20		
CR420-F	.708x.450x.05thk fiber	\$0.20		
CR450-F	.95x.450x.05thk fiber	\$0.20		
CR520-P	.708x.542x.25thk paper	\$0.15		
CR520-P1	.708x.542x.125thk paper	\$0.15		
CR520-F	.703x.546x.05thk fiber	\$0.20		
CR520-W	.703x.546x.125thk lite-ply	\$0.25		
CR0550-F	.946x.546x.05thk fiber	\$0.20		
CR0550-W	.946x.546x.125thk lite ply	\$0.25		
CR0555-F	1.283x.546x.05thk fiber	\$0.25		
CR0560-F	1.595x.546x.05thk fiber	\$0.25		
CR2050-P	.946x.736x.25thk paper	\$0.15		
CR2050-F	.946x.736x.05thk fiber	\$0.25		
CR2050-W	.946x.736x.125thk lite ply	\$0.25		
CR2050-TW	.946x.736x.250thk lite ply	\$0.30		
CR20104-F	1.005x.736x.05thk fiber	\$0.25		
CR2055-F	1.283x.736x.05thk fiber	\$0.25		
CR2055-W	1.283x.736x.125thk lite-ply	\$0.30		
CR2060-F	1.593x.736x.05thk fiber	\$0.25		
CR2060-W	1.593x.736x.125thk lite ply	\$0.35		
CR2070-F	2.178x.736x.05thk fiber	\$0.35		
CR2080-F	2.558x.736x.05thk fiber	\$0.45		
CR20204-F	2.042x.736x.05thk fiber	\$0.50		
CR20101-F	3.896x.736x.05thk fiber	\$0.55		
Continued on next page				
TOTAL THIS PAGE		\$		

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2006 STOCK KITS & SUPPLIES ORDER FORM and PRICE LIST Sheet 3 of 4 1/1/06 A

(see separate order form for over 100 different in-stock nose cones & transitions)

Cat No	Product Description	Price	Qty	Total
CENTERING RINGS - continued				
CR5052H-P	1.137x.977x.25thk paper	\$0.20		
CR5052H-P1	1.137x.977x.50thk paper	\$0.20		
CR5052H-F	1.14x.980x.05thk fiber	\$0.25		
CR5055-F	1.283x.978x.05thk fiber	\$0.25		
CR5055-W	1.283x.978x.125thk lite-ply	\$0.30		
CR50H55-W	1.283x.990x.125thk lite-ply	\$0.30		
CR5060-F	1.593x.978x.05thk fiber	\$0.25		
CR5060-W	1.593x.978x.125thk lite-ply	\$0.35		
CR50H60-F	1.593x.990x.05thk fiber	\$0.35		
CR5070-F	2.178x.978x.05thk fiber	\$0.30		
CR5070-W	2.178x.978x.125thk lite-ply	\$0.40		
CR50H70-W	2.178x.990x.125thk lite-ply	\$0.40		
CR5080-F	2.556x.978x.05thk fiber	\$0.45		
CR50101-F	3.896x.978x.05thk fiber	\$0.55		
CR5080-W	2.556x.978x.05thk fiber	\$0.55		
CR52H55-F	1.283x1.215x.05thk fiber	\$0.30		
CR52H60-F	1.593x1.215x.05thk fiber	\$0.30		
CR52H70-W	2.175x1.210x.125thk lite ply	\$0.40		
CR52H80-W	2.558x1.215x.125thk lite-ply	\$0.55		
CR5560-F	1.592x1.283x.05thk fiber	\$0.25		
CR5560-W	1.592x1.283x.05thk fiber	\$0.30		
CR5570-F	2.217x1.283x.05thk fiber	\$0.35		
CR5570-W	2.217x1.283x.125thk lite ply	\$0.35		
CR6070-F	2.175x1.637x.05thk fiber	\$0.35		
CR6070-W	2.175x1.637x.125thk lite ply	\$0.35		
CR6080-F	2.175x2.558x.05thk fiber	\$0.45		
CR6080-W	2.175x2.558x.125thk lite ply	\$0.45		
CR7080-F	2.558x2.175x.05thk fiber	\$0.45		
CR7080-W	2.558x2.175x.125thk lite ply	\$0.45		
CR5580-F	2.558x1.283x.05thk fiber	\$0.45		
CR55101-F	3.896x1.283x.05thk fiber	\$0.55		
CR6070-F	2.217x1.283x.05thk fiber	\$0.35		
CR6070-W	2.175x1.637x.125thk lite-ply	\$0.40		
CR6080-F	2.558x1.595x.05thk fiber	\$0.45		
CR60101-F	3.896x1.595x.05thk fiber	\$0.55		
CENTERING RING Bulk packs				
CR35-PCP	100 piece bulk pack of CR35-P	\$10.00		
CR35-PMP	1,000 piece bulk pack of CR35-P	\$50.00		
CR520-PCP	100 piece bulk pack of CR520-P	\$10.00		
CR520-PMP	1,000 piece bulk pack of CR520-P	\$50.00		
CR2050-PCP	100 piece bulk pack of CR2050-P	\$10.00		
CR2050-PMP	1,000 piece bulk pack of CR2050-P	\$50.00		
CLUSTER MTR MOUNT RINGS				
, -F = fiber, -W=1/8 lite ply				
M2C2070F	2-T 20 tubes in T 70 (tubes centered)	\$0.55		
M2T5070-F	2-T 50 tubes in T 70 (tubes touching)	\$0.55		
M2T5070-W	2-T 50 tubes in T 70 (tubes touching)	\$0.60		
M2C5070-F	2-T 50 tubes in T 70 (tubes centered)	\$0.55		
M2C5070-W	2-T 50 tubes in T 70 (tubes centered)	\$0.60		
M3T5070-F	3-T 50 tubes in T 70 (tubes touching)	\$0.55		
M3T5070-W	3-T 50 tubes in T 70 (tubes touching)	\$0.60		
M2T5080-F	2-T 50 tubes in T 80 (tubes touching)	\$0.75		
M2T5080-W	2-T 50 tubes in T 80 (tubes touching)	\$0.80		
M2C5080-F	2-T 50 tubes in T 80 (tubes centered)	\$0.80		
M2C5080W	2-T 50 tubes in T 80 (tubes centered)	\$0.80		
M3T5080-F	3-T 50 tubes in T 80 (tubes touching)	\$0.75		
M3T5080-W	3-T 50 tubes in T 80 (tubes touching)	\$0.90		
M3C5080-F	3-T 50 tubes in T 80 (tubes centered)	\$0.85		
M3C5080-W	3-T 50 tubes in T 80 (tubes centered)	\$0.90		
M4C5080-F	4-T 50 tubes in T 80 (tubes centered)	\$0.85		
M4C5080-W	4-T 50 tubes in T 80 (tubes centered)	\$1.00		
M4T5080-F	4-T 50 tubes in T 80 (tubes touching)	\$0.95		
M4T5080-W	4-T 50 tubes in T 80 (tubes touching)	\$1.00		

Cat No	Product Description	Price	Qty	Total
M5C2080-F	5-T20 tubes in T80 (tubes centered)	\$1.00		
M5C2080-W	5-T20 tubes in T80 (tubes centered)	\$1.10		
M3A5080-F	2-T 20 & 1-T 50 in T80	\$1.00		
M3A5080-W	2-T 20 & 1-T 50 in T80	\$1.10		
SOLID BULKHEADS				
BHTxx-x fit inside body tubes				
BHCxx-x fit inside couplers				
BHT70-F	2.175x.05thk fiber bulkhead	\$0.30		
BHT70-W	2.175x.125thk lite-ply bulkhead	\$0.35		
BHC70-F	2.104x.05thk fiber bulkhead	\$0.30		
BHC70-W	2.104x.125thk lite-ply bulkhead	\$0.45		
BHT80-F	2.558x.05thk fiber bulkhead	\$0.40		
BHT80-W	2.558x.125thk lite-ply bulkhead	\$0.45		
BHC80-F	2.474x.05thk fiber bulkhead	\$0.50		
BHC80-W	2.474x.125thk lite-ply bulkhead	\$0.55		
BALSA SHEETS				
BSH132336	1/32 "x3"x36" Balsa Sheet	\$1.15		
BSH132436	1/32"x4"x36" Balsa Sheet	\$1.69		
BSH116336	1/16"x3"x36" Balsa Sheet	\$1.28		
BSH116436	1/16"x4"x36" Balsa Sheet	\$1.99		
BSH332336	3/32"x3"x36" Balsa Sheet	\$1.49		
BSH332436	3/32"x4"x36" Balsa Sheet	\$2.06		
BSH18336	1/8"x3"x36" Balsa Sheet	\$1.74		
BSH18436	1/8"x4"x36" Balsa Sheet	\$2.44		
BSH18636	1/8"x6"x36" Balsa Sheet	\$4.19		
BSH316336	3/16"x3"x36" Balsa Sheet	\$2.08		
BSH316436	3/16"x4"x36" Balsa Sheet	\$2.99		
BSH316636	3/16"x6"x36" Balsa Sheet	\$4.81		
BSH14336	1/4"x3"x36" Balsa Sheet	\$2.44		
BSH14436	1/4"x4"x36" Balsa Sheet	\$3.69		
BALSA SQUARES				
BSQ136	1" x 1" x 36" Balsa Square	\$2.50		
BSQ1536	1.5" x 1.5" x 36" Balsa Square	\$3.50		
BSQ236	2" x 2" x 36" Balsa Square	\$7.00		
BSQ336	3" x 3" x 36" Balsa Square	\$9.75		
BSQ436	4" x 4" x 36" Balsa Square	\$35.00		
BSQ536	5" x 5" x 36" Balsa Square	\$45.00		
BSQ636	6" x 6" x 36" Balsa Square	\$50.00		
PLYWOOD - AIRCRAFT				
PLY132-16	1/32"x12"x16" 3 ply birch	\$5.60		
PLY116-16	1/16"x12"x16" 3 ply birch	\$5.60		
PLY332-16	3/32"x12"x16" 3 ply birch	\$5.70		
PLY18-16	1/8"x12"x16" 5 ply birch	\$7.60		
PLY18L-16	1/8"x12"x16" 3 ply poplar Lite-Ply	\$3.15		
PLY532-16	5/32"x12"x16" 3 ply birch	\$3.60		
PLY14L-16	1/4"x12"x16" 5 ply poplar Lite-Ply	\$3.90		
BASSWOOD				
BW132324	1/32 x3 x24 Basswood sheet	\$1.30		
BW132424	1/32 x4 x24 Basswood sheet	\$2.15		
BW116324	1/16"x3"x24" Basswood sheet	\$1.40		
BW116424	1/16"x4"x24" Basswood sheet	\$2.25		
BW332324	3/32"x3"x24" Basswood sheet	\$1.60		
BW332424	3/32"x4"x24" Basswood sheet	\$2.35		
BW18324	1/8"x3"x24" Basswood sheet	\$1.85		
BW316324	3/16"x4"x24" Basswood sheet	\$2.15		
BW18424	1/8"x4"x24" Basswood sheet	\$2.65		
BW316424	3/16"x3"x24" Basswood sheet	\$3.05		
BW14324	1/4"x3"x24" Basswood sheet	\$2.45		
BW14424	1/4"x4"x24" Basswood sheet	\$3.75		
BW3836	3/8"x36" Basswood Dowel	\$0.95		
TOTAL THIS PAGE		\$		

* Quantity discounts apply where an asterisk appears in the price slot of a category header. The letter next to the asterisk is the discount schedule to use. See the discount schedule table appears at the beginning of the order form.



Balsa Machining Service
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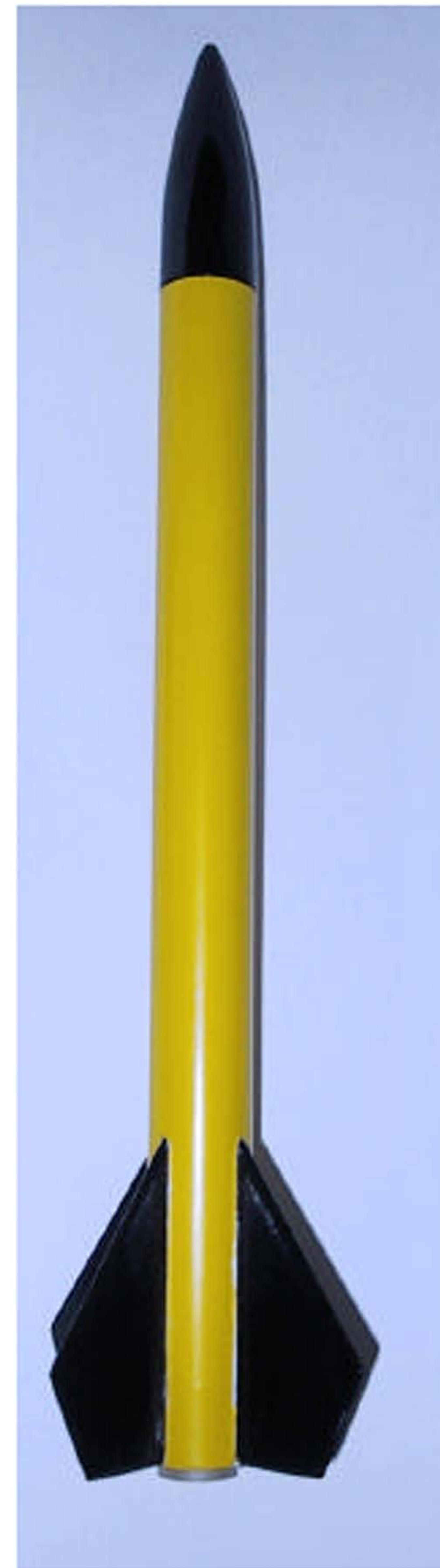
2006 STOCK KITS & SUPPLIES ORDER FORM and PRICE LIST Sheet 4 of 4 1/1/06A

(see separate order form for over 100 different in-stock nose cones & transitions)

Cat No	Product Description	Price	Qty	Total
TRIM MONOKOTE (Adhesive)				
MKTR-12	Tomato Red (15" x 12")	\$2.00		
MKOR-12	Orange (15in x 12in)	\$2.00		
MKBL-12	Black (15in x 12in)	\$2.00		
MKPR-12	Primrose Yellow(15" x 12")	\$2.00		
MKCM-12	Chrome Mirror-metalized(15" x 12")	\$4.00		
MISC				
MWAD	Wadding - Gallon Ziploc bag full	\$2.50		

Additional items

Cat No	Product Description	Price	Qty	Total
TOTAL THIS PAGE \$				



School Rocket

Designed by Educators specifically
 for group use.
 Cat# SRWS

Length 14", Diam: .976", Weight 1 oz, Streamer
 recovery, Recommended Engine: A8-3

- Laser slotted and marked Body Tube.
- Laser cut Fins (with tab for Thru-the-wall mounting)
- Balsa Wood Nose cone

Bulk Packs only *\$5.25 each!

*(Minimum order of 12 units)

Send order to:

Balsa Machining Service	TOTAL (all Pages)	
11995 Hillcrest Drive	7.75% tax (IL res only)	
Lemont, IL 60439-4145	**Shipping & handling	** \$9.00
\$20.00 Hazmat fee if ordering motors		
** Canada, Mexico & International call or email for rate	Total	

** Save \$3.00 on shipping and handling by placing your order on-line using our secure shopping cart. On-line orders have just a flat \$6.00 per order shipping charge and also ship, on average, one day sooner.

Ship to:

Name _____
 Address _____
 City _____ State _____ Zip _____
 Phone _____
 email _____
 Credit card # _____ exp. _____

(Circle one)
 Visa MasterCard

* Quantity discounts apply where an asterisk appears in the price slot of a category header. The letter next to the asterisk is the discount schedule to use. See the discount schedule table appears at the beginning of the order form.



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STOCK CONES LIST page 1 of 2 1/1/06

Part Number	Description	Fits	OD	ID	Length	Price	Qty	Total\$	Part Number
BMS20Q	Slightly longer version of 20B	BT20	.736	.710	1.750	\$1.95			BMS20Q
BMS20V2B	V2 Boat-tail with 10mm bored hole	BT20	.736	.710	1.625	\$2.55			BMS20V2B
BMS20V2C	V2 Nose Cone whored hole	BT20	.736	.710	2.250	\$2.55			BMS20V2C
BMS50HJ	Honest John	BT50	.976	.950	6.250	\$4.05			BMS50HJ
BMS50Q	Nosecone	BT50	.976	.950	2.250	\$2.05			BMS50Q
BMS55HJ	Honest John BT55	BT55	1.325	1.283	8.250	\$8.75			BMS55HJ
BMS50V2B	V2 Boat-tail with bored BT 5 hole	BT50	.976	.950	2.200	\$3.85			BMS50V2B
BMS50V2C	V2 cone with bored hole	BT50	.976	.950	3.000	\$3.85			BMS50V2C
BMS60V2B	V2 Boat-tail with bored BT 20 hole	BT60	1.637	1.595	3.500	\$6.25			BMS60V2B
BMS60V2C	V2 cone with 4 inch deep bored hole	BT60	1.635	1.595	5.250	\$5.35			BMS60V2C
BMS70AB	Gemini Titan - 820101	BT70	2.217	2.180	4.450	\$8.60			BMS70AB
BMSFLMS	Fits Fluorescent tube cover		1.650	1.616	2.600	\$3.85			BMSFLMS
BMSV2BT1	V2 Boat-tail with bored BT 50 hole	BT60	1.637	1.595	3.650	\$6.55			BMSV2BT1
BNC10A	Streak	BT10	.720	.706	.800	\$1.85			BNC10A
BNC20A	Short version of BNC20B	BT20	.736	.710	.705	\$1.85			BNC20A
BNC20AM	Estes Classic	BT20	.736	.710	2.000	\$2.05			BNC20AM
BNC20H	Estes Classic	BT20	.736	.710	1.600	\$2.05			BNC20H
BNC20J	BT 20 version of BNC50J	BT20	.736	.710	.780	\$1.85			BNC20J
BNC20L	Estes CYL-Ogive	BT20	.736	.710	1.400	\$2.05			BNC20L
BNC20N	Estes Classic	BT20	.736	.710	2.700	\$2.35			BNC20N
BNC20P	Spaceman	BT20	.736	.710	1.300	\$2.15			BNC20P
BNC20R	Estes Classic	BT20	.736	.710	2.750	\$2.15			BNC20R
BNC20Y	Estes Classic	BT20	.736	.710	1.050	\$1.85			BNC20Y
BNC30D	Scout Sprite	BT30	.767	.722	1.450	\$1.95			BNC30D
BNC30E	Estes-CYL-Ogive	BT30	.767	.722	2.190	\$2.10			BNC30E
BNC30N	BT 30 Ogive	BT30	.767	.725	2.750	\$2.35			BNC30N
BNC50AC	BT 50 version of BNC55AC	BT50	.976	.950	3.800	\$2.70			BNC50AC
BNC50AD	Honest John - original Estes version	BT50	.976	.950	4.000	\$3.60			BNC50AD
BNC50BA	Estes Classic (2 piece)	BT50	.976	.950	1.130	\$5.25			BNC50BA
BNC50BC	2 Piece cone	BT50	.976	.950		\$5.25			BNC50BC
BNC50G	Thor-Agena Nose Cone	BT50	.976	.950	1.350	\$3.60			BNC50G
BNC50J	Estes Classic	BT50	.976	.950	1.370	\$2.05			BNC50J
BNC50K	Estes Classic	BT50	.976	.950	2.750	\$2.05			BNC50K
BNC50X	Sprint	BT50	.976	.950	3.300	\$2.60			BNC50X
BNC50Y	Estes Classic	BT50	.976	.950	4.350	\$2.60			BNC50Y
BNC52G	Thor-Agena B nose cone	BT52	1.010	.995	1.350	\$3.60			BNC52G
BNC55AC	Estes-Secant-Ogive	BT55	1.325	1.283	5.400	\$3.60			BNC55AC
BNC55AM	Estes	BT55	1.325	1.283	4.200	\$3.85			BNC55AM
BNC55AO	Goblin	BT55	1.325	1.283	5.000	\$3.85			BNC55AO
BNC55BE	Estes Classic	BT55	1.325	1.283	1.600	\$3.25			BNC55BE
BNC55F	V2 nose cone	BT55	1.325	1.283	4.200	\$3.60			BNC55F
BNC55OB1	BT 55 6:1 Ogive	BT55	1.325	1.283	6.000	\$4.65			BNC55OB1
BNC5AVV	Estes Classic	BT5	.544	.518	2.250	\$2.05			BNC5AVV
BNC5AX	Estes-Ogive	BT5	.544	.518	2.170	\$2.05			BNC5AX
BNC5E	Estes Classic	BT5	.544	.518	1.380	\$1.85			BNC5E
BNC5O51	BT 5 5:1 Ogive	BT5	.544	.518	2.720	\$3.05			BNC5O51
BNC5Q	Delta	BT5	.544	.518	1.250	\$1.65			BNC5Q
BNC5S	Estes Classic	BT5	.544	.518	1.500	\$1.85			BNC5S
BNC5V	Estes Classic	BT5	.544	.518	.750	\$1.65			BNC5V
BNC5W	Estes Classic	BT5	.544	.518	2.800	\$2.05			BNC5W
BNC60AB	Gemini Titan - Estes	BT60	1.637	1.595	2.340	\$5.35			BNC60AB
BNC60AH	Estes Classic	BT60	1.637	1.595	6.600	\$6.55			BNC60AH
BNC60L	Estes Classic	BT60	1.637	1.595	3.125	\$3.80			BNC60L
BNC60MS	Big Bertha	BT60	1.637	1.595	2.500	\$3.60			BNC60MS
BNC70AJ	Estes Classic	BT70	2.217	2.180	4.400	\$4.85			BNC70AJ
BNC70BB	Elliptical	BT70	2.217	2.180	3.350	\$6.55			BNC70BB
BNC70K	Long Ogive with blunt tip	BT70	2.245	2.180	7.000	\$9.70			BNC70K
BNC70KH	Long Ogive - blunt tip (fits T70H)	BT70	2.245	2.180	7.000	\$9.70			BNC70KH
BNC70BBH	Elliptical (fits T80H)	BT70	2.245	2.180	3.350	\$6.55			BNC70BBH
BNC80BB	Elliptical	BT80	2.600	2.588	4.000	\$8.75			BNC80BB
BNC80BBH	Elliptical (fits T80H)	BT80	2.640	2.558	4.000	\$8.75			BNC80BBH
BNC80K	Long Ogive with blunt tip	BT80	2.600	2.588	8.250	\$10.80			BNC80K
BNC80KH	Long Ogive - blunt tip (fits T80H)	BT80	2.640	2.558	8.250	\$10.80			BNC80KH
BNC8O41	ST-8 4:1 Ogive	ST-8	.908	.865	3.500	\$3.25			BNC8O41
BOMARC	Estes Citation BOMARC (bored hole)	BT55	1.325	1.283	4.150	\$5.40			BOMARC
BTC557	V2 Boat-tail with bored BT20 hole	BT55	1.325	1.283	3.000	\$5.15			BTC557
BWPEJ	Centuri K50 Interceptor	BT5	.544	.518	2.750	\$3.25			BWPEJ
CENBC107	Centuri Ogive		1.040	1.000	5.250	\$3.80			CENBC107
CENBC79	Centuri Conical		.795	.725	2.600	\$2.50			CENBC79
CENBC86	Honest John - Centuri		.920	.863	6.000	\$4.95			CENBC86
CENBC89	Centuri Ogive		.900	.850	5.500	\$5.45			CENBC89
CENV2BT	V2 B-tail w/bored hole for BT 20 - Centuri		1.685	1.595	3.400	\$5.35			CENV2BT
CENV2NC	Centuri V2 nose cone w/bored hole		1.673	1.590	5.500	\$5.45			CENV2NC
MARSLNDR	Mars Lander	BT60	1.637	.595	1.000	\$3.45			MARSLNDR
NB10	10.55mm 2 inch Bulkheads		.422		2.000	\$1.55			NB10
NB20-2	BT 20 Nose Block 2 inch	BT20	.710		2.000	\$1.55			NB20-2
NB5-2	BT 5 Nose Block	BT5	.518		2.000	\$1.55			NB5-2
NB50-2	BT 50 Nose Block 2 inch	BT50	.950		2.000	\$1.80			NB50-2
NB55-2	Nose Block	BT55	1.283		2.000	\$2.30			NB55-2



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NB55-3	BT55 Nose Block 3 inch	BT55	1.283	3.000	\$2.55		NB55-3
NB60-4	BT 60 Nose Block 4 inch	BT60	1.595	4.000	\$2.90		NB60-4
NB70-4	BT70 Nose Block 4 inch	BT70	2.180	4.000	\$3.15		NB70-4
NB80-4	Nose Block	BT80	2.558	4.000	\$5.45		NB80-4
TA2050	Transition (taper length=2 inch)	BT20		2.000	\$2.35		TA2050
TA2050A	Transition (taper length=1 inch)	BT20		1.000	\$2.45		TA2050A
TA2055	Transistion (taper length=1.5 inch)	BT20		1.500	\$2.55		TA2055
TA2060	Transition (taper length=1 inch)	BT20		1.000	\$2.55		TA2060
TA5055	Transition (taper length=1 inch)	BT50		1.000	\$2.55		TA5055
TA5055L	Transition (taper length=1.5 inch)	BT50		1.500	\$2.60		TA5055L
TA5060	Transition (taper length=2 inch)	BT50		2.000	\$2.55		TA5060
TA5060C	Thor-Agena B Transition	BT50		3.750	\$5.35		TA5060C
TA520	Transition (taper length= .75 inch)	BT5		.750	\$2.05		TA520
TA5260C	Thor-Agena B Transition	BT52		3.750	\$5.35		TA5260C
TA550	Transistion (taper length=1 inch)	B15		1.000	\$2.45		TA550
TA555	Transition (taper length=2.75 inch)	B15		2.750	\$2.50		TA555
TA5560	Transition (taper length=1 inch)	BT55		1.000	\$2.35		TA5560
TA5560A	Transition (taper length=1.25 inch)	BT55		1.250	\$3.05		TA5560A
TA6070	Transition (taper length=1.55 inch)	BT60		1.500	\$7.55		TA6070
TA6080	Transition (taper length=2.25 inch)	BT60		2.250	\$8.65		TA6080
TA7080	Transition (taper length=2.25 inch)	BT70		2.250	\$8.65		TA7080

Page Total _____



APOLLO SATURN V

... A Peter Alway design
 Cat# Saturn5, Sku# BMS00014

\$50.00 (list price)

Length: 22", Diam: 2.042"
 Weight: 4 oz, 18" Parachute
 Engines: B6-4, B4-4, C6-5



ASTROBEE 1500

... A Peter Alway design
 Cat# Astro15, Sku# BMS00013

\$30.00 (list price)

Length: 21 3/4", Diam: 1.637"
 Weight: 4 oz, 18" Parachute
 Engines: D12-7, C11-5

ARCAS

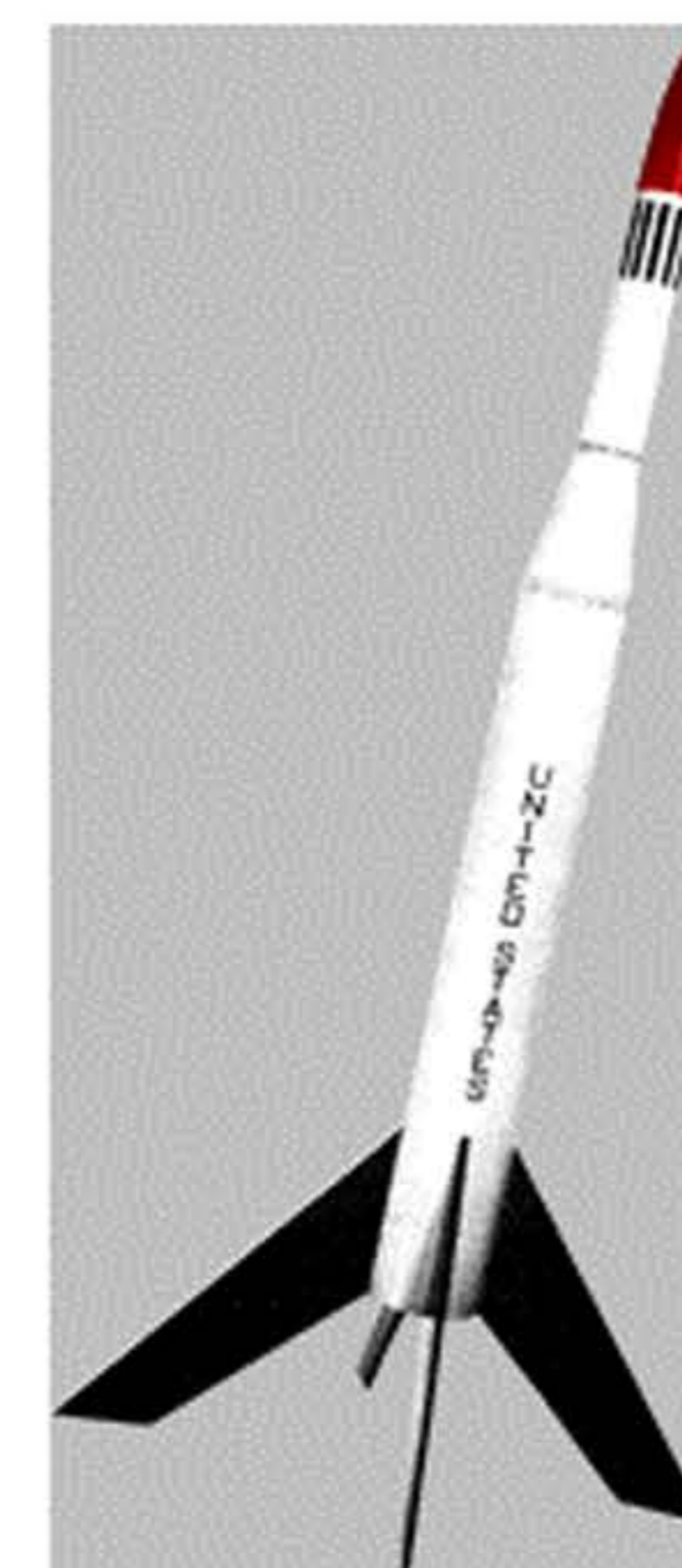


ARCAS

... A Peter Alway design
 Cat# Arcas-A, Sku# BMS00012

\$13.00 (list price)

Length: 19 3/4", Diam: 0.976"
 Weight: 2oz, 12" Parachute
 Engines: 1/2A3-2T, A3-4T, A10-3T

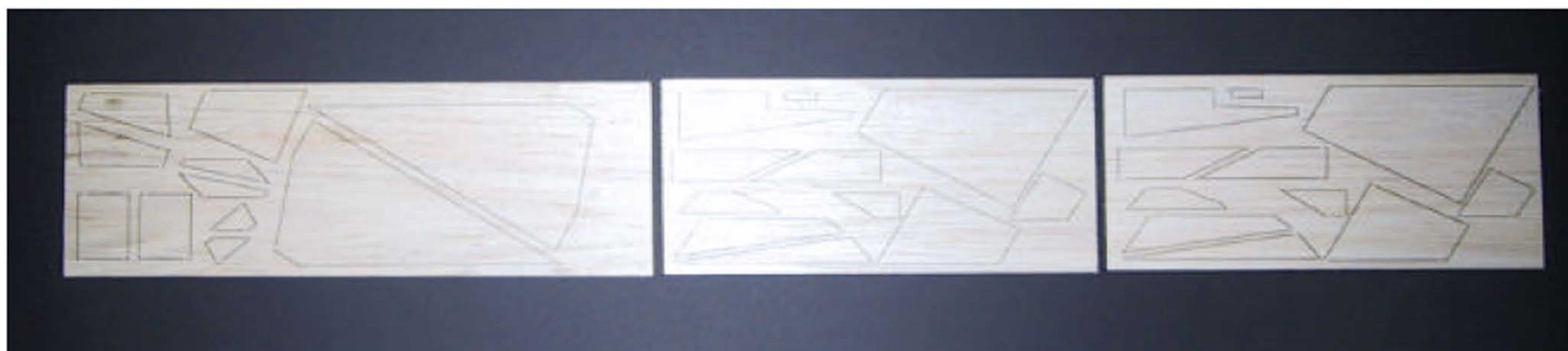


K10 - COBRA

... A BMS Clone
 Cat# K10

\$24.95 (list price)

Length: 22 1/4", Diam: 1.637"
 Weight: 2.25 oz, 18" Parachute
 Engines: A8-3, B6-4, C6-5



Laser cut fin set for "Estes "Orbital Transport" Cat# LFOTS, \$7.00

Page Total _____



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2006 ESTES & AEROTECH MOTOR ORDER FORM and PRICE LIST Sheet 1 of 2 2/2006 A

Part#	Description	Retail	Sale	Qty	Total
ES1502	Estes 1/4 A3-3T (pack of 4)	\$7.29	\$6.55		
ES1503	Estes 1/2 A3-2T (pack of 4)	\$7.29	\$6.55		
ES1504	Estes 1/2 A3-4T (pack of 4)	\$7.29	\$6.55		
ES1505	Estes A10-PT (pack of 4)	\$7.29	\$6.55		
ES1507	Estes A3-4T (pack of 4)	\$7.29	\$6.55		
ES1511	Estes A 10-3T (pack of 4)	\$7.29	\$6.55		
ES1593	Estes 1/2 A 6-2 (pack of 3)	\$7.29	\$6.55		
ES1598	Estes A 8-3 (pack of 3)	\$7.29	\$6.55		
ES1781	Estes A8-3 Educator bulk pack of 24 with wadding and igniters	\$54.99	\$49.50		
ES1599	Estes A 8-5 (pack of 3)	\$7.29	\$6.55		
ES1601	Estes B 4-2 (pack of 3)	\$7.79	\$7.00		
ES1602	Estes B 4-4 (pack of 3)	\$7.79	\$7.00		
ES1605	Estes B 6-2 (pack of 3)	\$7.79	\$7.00		
ES1606	Estes B 6-4 (pack of 3)	\$7.79	\$7.00		
ES1607	Estes B 6-6 (pack of 3)	\$7.79	\$7.00		
ES1608	Estes B 6-0 (pack of 3)	\$7.79	\$7.00		
ES1613	Estes C 6-3 (pack of 3)	\$8.59	\$7.73		
ES1614	Estes C 6-5 (pack of 3)	\$8.59	\$7.73		
ES1615	Estes C 6-7 (pack of 3)	\$8.59	\$7.73		
ES1616	Estes C 6-0 (pack of 3)	\$8.59	\$7.73		
ES1622	Estes C 11-3 (pack of 3)	\$10.49	\$9.26		
ES1623	Estes C 11-5 (pack of 3)	\$10.49	\$9.26		
ES1624	Estes C 11-7 (pack of 3)	\$10.49	\$9.26		
ES1666	Estes D 12-3 (pack of 3)	\$12.29	\$11.06		
ES1665	Estes D 12-0 (pack of 3)	\$12.29	\$11.06		
ES1667	Estes D 12-5 (pack of 3)	\$12.29	\$11.06		
ES1668	Estes D 12-7 (pack of 3)	\$12.29	\$11.06		
ES1669	Estes D 11-P (pack of 3)	\$12.29	\$11.06		
ES1673	Estes E 9-4 (pack of 3)	\$17.48	\$15.73		
ES1674	Estes E 9-6 (pack of 3)	\$17.48	\$15.73		
ES1675	Estes E 9-8 (pack of 3)	\$17.48	\$15.73		
ES1676	Estes E 9-P (pack of 3)	\$17.48	\$15.73		
AE89341	Aerotech Igniter clip for copperheads	\$4.95	\$4.46		
AE89892	Aerotech copper head igniters 4 inch (6)	\$4.95	\$4.46		
AE89893	Aerotech copper head igniters 8 inch (6)	\$5.95	\$5.36		
AE89895	Aerotech first fire jr igniters	\$9.95	\$8.96		
AE91295	Aerotech 24mm & 29mm closure wrench	\$9.95	\$8.96		
AE91181	Aerotech 18MM Reloadable case RMS 18/20.	\$49.95	\$44.96		
AE91241	Aerotech 24MM Reloadable Case RMS 24/40	\$59.95	\$53.96		
AE91291	Aerotech 29MM Reloadable Case RMS 29/40-120	\$64.95	\$58.45		
AE91849	3 Reloadable Motors 18 24 & 29mm motor set.	\$169.95	\$152.95		
AE41304	Aerotech D13-4W 18mm reload (3 pack)	\$15.95	\$14.35		
AE41307	Aerotech D13-7W 18mm reload (3 pack)	\$15.95	\$14.35		
AE41310	Aerotech D13-10W 18mm reload (3 pack)	\$15.95	\$14.35		
AE41504	Aerotech D15-4T 24mm reload (3 pack)	\$16.95	\$15.25		
AE41507	Aerotech D15-7T 24mm reload (3 pack)	\$16.95	\$15.25		
AE42404	Aerotech D24-4T 18mm reload (3 pack)	\$16.95	\$15.25		
AE42407	Aerotech D24-7T 18mm reload (3 pack)	\$16.95	\$15.25		
AE51504	Aerotech E15-4W 24mm single use (1 pack)	\$13.95	\$12.55		
AE51507	Aerotech E15-7W 24mm single use (1 pack)	\$13.95	\$12.55		
AE51604	Aerotech E16-4T 24mm single reload	\$8.50	\$7.65		
AE51607	Aerotech E16-7W 24mm single reload	\$8.50	\$7.65		
AE51804	Aerotech E18-4W 24mm reload (3 pack)	\$21.95	\$19.75		
AE51807	Aerotech E18-7W 24mm reload (3 pack)	\$21.95	\$19.75		
AE52305	Aerotech E23-5T 29mm single reload	\$8.95	\$8.06		
AE52308	Aerotech E23-8 29mm single reload	\$8.95	\$8.06		
AE52804	Aerotech E28-4T 24mm reload (3 pack)	\$22.95	\$20.65		
AE52807	Aerotech E28-7T 24mm reload (3 pack)	\$22.95	\$20.65		
AE53004	Aerotech E30-4T 24mm single use (1 pack)	\$14.95	\$13.45		
AE53007	Aerotech E30-7T 24mm single use (1 pack)	\$14.95	\$13.45		

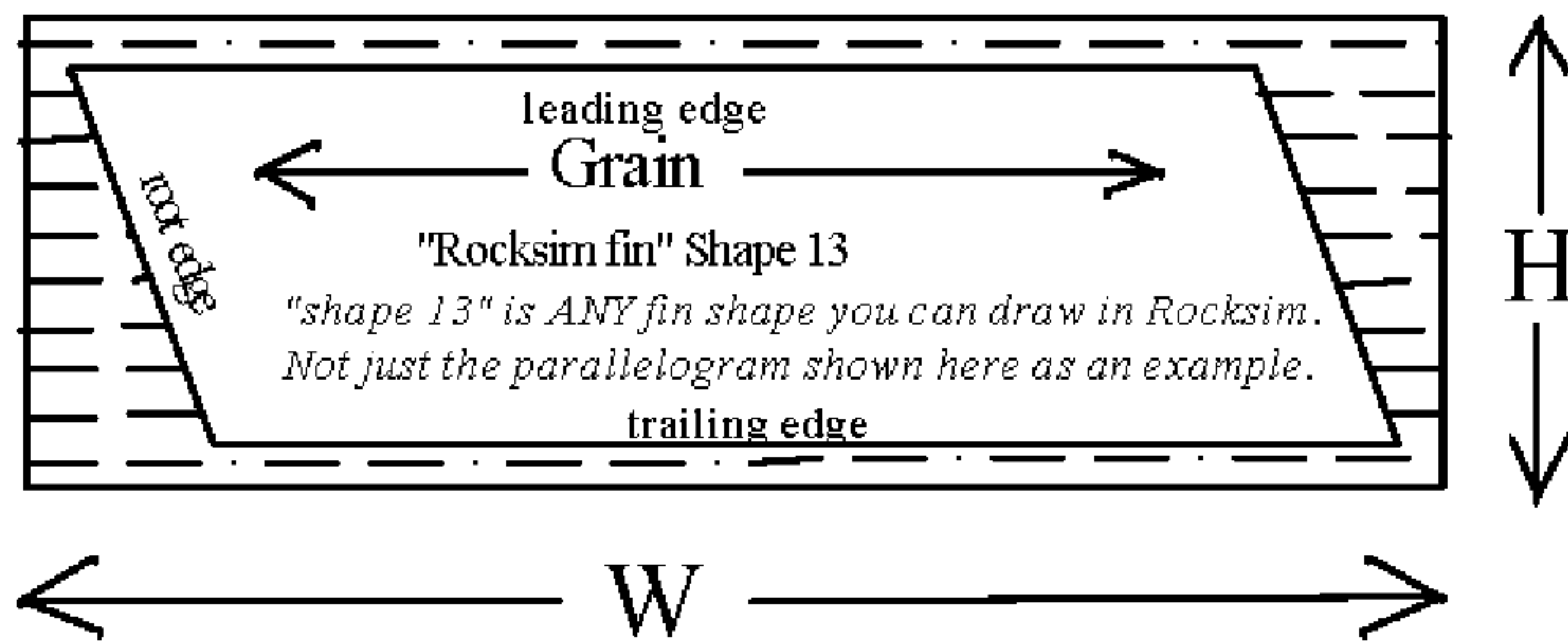
TOTAL THIS PAGE _____

Motor sales are subject to availability. If your order cannot be filled complete we will contact you prior to shipping.

Note that a \$20.00 Hazmat fee applies to any order containing motors!

Centering rings, Motor-mounts & "Rocksims" for Rocket Scientists

In order to determine the cost for your Rings or Rocksims fins you must download the *Bms_Calculator.xls* (Excel 5.0 spreadsheet) from the BMS website. This spreadsheet is continuously updated so that it always contains the latest materials and pricing. Except for the actual order form (use the BMS semi-custom order form) everything you need to know about ordering semi-custom centering rings, motor mounts or Rocksims fins is on this one sheet of paper!



First create a physical (or mental) sketch of your fin to determine the amount of raw material needed to produce it. Do this by drawing a square or rectangle around the fin or ring leaving a 1/10" border and record the "W" & "H" dimensions.

It is up to you to make sure the rectangle size you pick will contain your fin so the leading edge goes "with the grain". Of course grain direction does not matter for Rings.

Use the chart below to determine the maximum "H" & "W" dimension for the various materials. Do not exceed these dimensions as these are the maximum sizes we can produce.

Material code	Chart #13	Maximum H	Maximum W
10	1/32 Balsa	4	36
20	1/16 Balsa	4	36
30	3/32 Balsa	4	36
40	1/8 Balsa	6	36
50	3/16 Balsa	6	36
60	1/4 Balsa	4	36
70	1/32 Birch 3-Ply	12	16
80	1/16 Birch 3-Ply	12	16
90	3/32 Birch 3-Ply	12	16
100	1/8 Birch 5-Ply	12	16
105	5/32 Birch 3-Ply	12	16
110	1/8 Lite Ply	12	16
130	1/4 Lite Ply	12	16
200	.050 Black cardboard	12	16
210	1/16 Basswood	4	24
220	3/32 Basswood	4	24
230	1/8 Basswood	4	24
240	3/16 Basswood	4	24
250	1/4 Basswood	4	24
300	0.016" G10 (fiberglass)	12	24
310	0.020" G10 (fiberglass)	12	24
320	0.031" G10 (fiberglass)	12	24

You now have enough information to order and determine the cost of your fins.

For example let's say you have determined that your fin will fit into a rectangle of 1/8" Balsa that is 7" wide x 4" tall and that you want a set of 3 fins.

Open *Bms_Calculator.xls* spreadsheet on your computer making sure that the Tab named "Fins" is selected. Then enter the "W" and "H" dimensions in the appropriate columns in the same row as the material you wish to use. Next fill in the desired quantity along with the fin name (this is the name you have given the fin in the Rocksims file) and the spreadsheet will automatically calculate your cost. When you place your order simply email the spreadsheet along with the Rocksims file to sales@BalsaMachining.com.

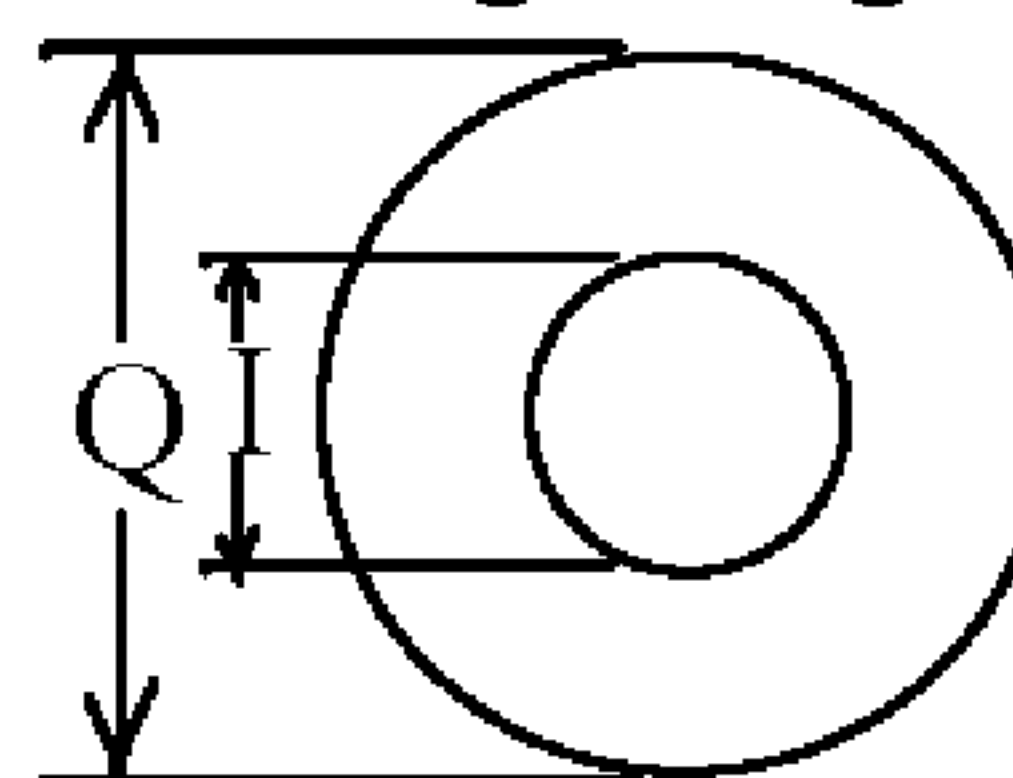
If, for any reason, you do not use the spreadsheet you can also order using the semi-custom ordering form as shown below. In this case we will compute the price for you. Note that the dimensions "W" & "H" are not entered on the form. When we determine the price for you we will enter them. Also note that the "size category" column is used to write in the filename of the Rocksims file.

Qty	shape	Size	Q	L	M	I	T	U	A	\$ ea	\$ Total
3	13	File name	*	-	40	-	-	-	-	--	\$6.08

* if more than one fin type in file write fin name in "Q" box. Name in box MUST match name in Rocksims file!

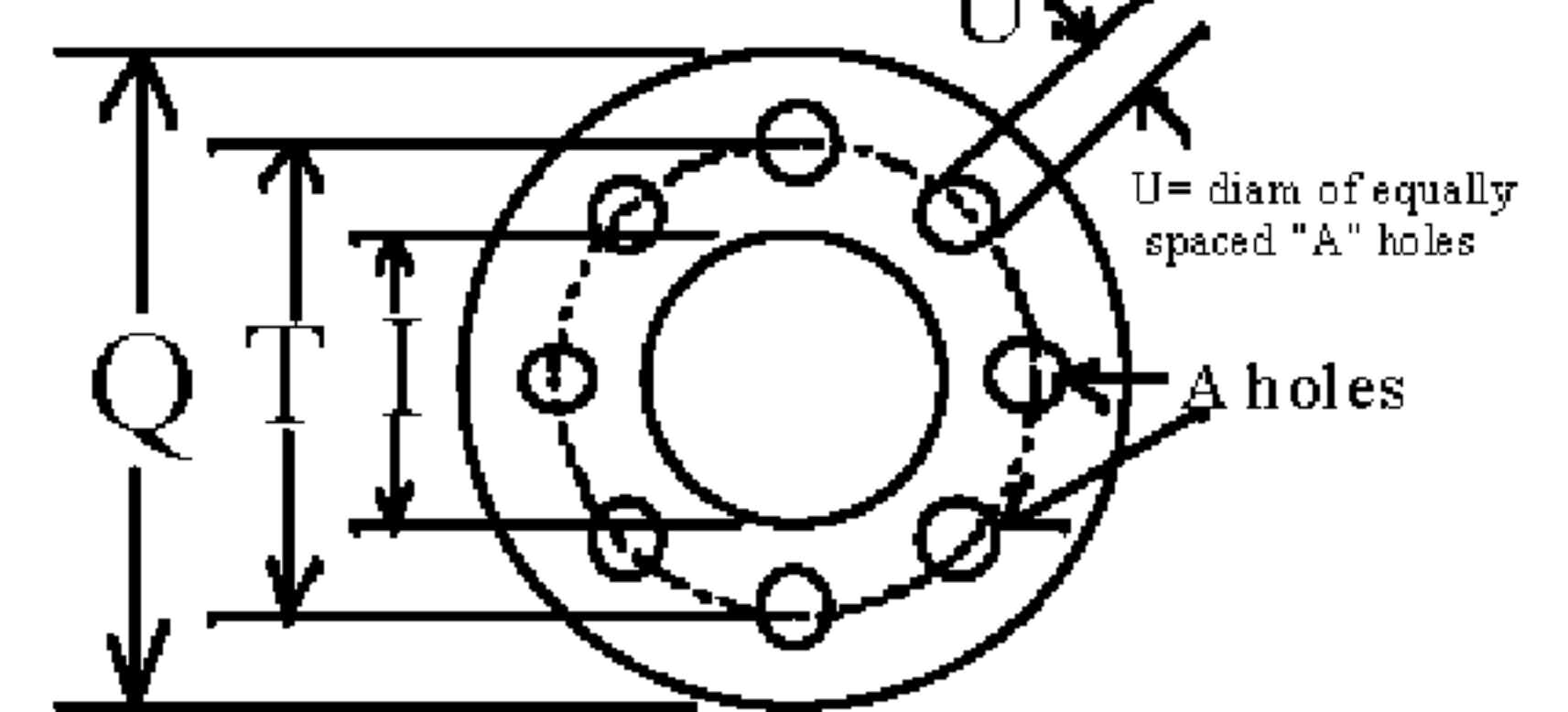
Examples of Centering & Motor-Mount Rings

Centering Ring



Shape 14

Motormount



Shape 15

Let's say you decided that you want to place 5 BT5 tubes in a BT70 with a center BT20 hole. You would go to the "Rings" tab on the spreadsheet and fill in the appropriate information. The price is then calculated just like the fin. In this case "W" & "L" are both equal to "Q" which is 2.175. Just like with fins if you do not use the spreadsheet fill in the semi-custom order form and we will calculate the price for you.

Qty	shape	size	Q	L	M	I	T	U	A	\$ ea	\$ Total
2	15	-	2.175	-	110	.736	.724	.544	5	--	\$2.43

A Centering ring is specified in exactly the same manner. Just omit "T", "U" & "A". The center "I" hole can be omitted in both ring types by making I equal to 0.

Note that if you are requesting more than one part using a given material simply copy an additional spreadsheet row of that material. You can also delete rows of material that you are not ordering to reduce spreadsheet clutter. **If using a newer version of Excel please remember to save it in 5.0 format before you send it back to us!**

Body Tube Slotting & Laser Cutting for Rocket Scientists

BMS now offers precision Laser slotting and cutting of our in stock Body tubes starting at less than \$2.00 per tube in single quantities! Also if you are a club or small run manufacturer call or email with your desired quantity for a custom quote.

The prices shown in the chart below are slotting and cutting charges only. They DO NOT include the tubes. It is assumed that you also ordered enough tubes to cover the quantity you want cut or slotted. Also note that these prices are only valid when ordering tubes from us. Although we welcome the opportunity to provide this service for tubes you choose to supply, it must be handled with a custom quote.

The same semi-custom order form that you use to order semi-custom cones & rings is used to order slotted & cut tubes. You can place the tube slotting/cutting order on the same form sheet that contains cones and rings. The form can then be faxed to us along with any other items you are ordering. If you are purchasing directly from our web-store you can follow up with an email, if more convenient than faxing, and we will simply charge your credit card the additional amount needed.

Slotting & Cutting to Length

Column	Contents
Quantity	# of tubes you want this operation performed on.
Shape	16 (Always 16 for slotting & cutting)
Size Cat.	BMS part# of tube or coupler stock.
Q	OD of tube in inches
L	Overall length of tube. If this # is omitted (or = to 34) then tube is slotted and left at it's 34" length. Note That "L" MUST be => 3.00"
M	Length of slot (Maximum is 17.00")
I	Width of slot
T	# of slots (must be 3 or 4)
U	Distance slots begin from end of tube. Note that the MINIMUM DISTANCE is 0.350"
A	Not Used
\$ Each	\$1.00
Setup Charge	\$2.00
\$ Total	\$2.00 + (Quan ordered x \$ Each)

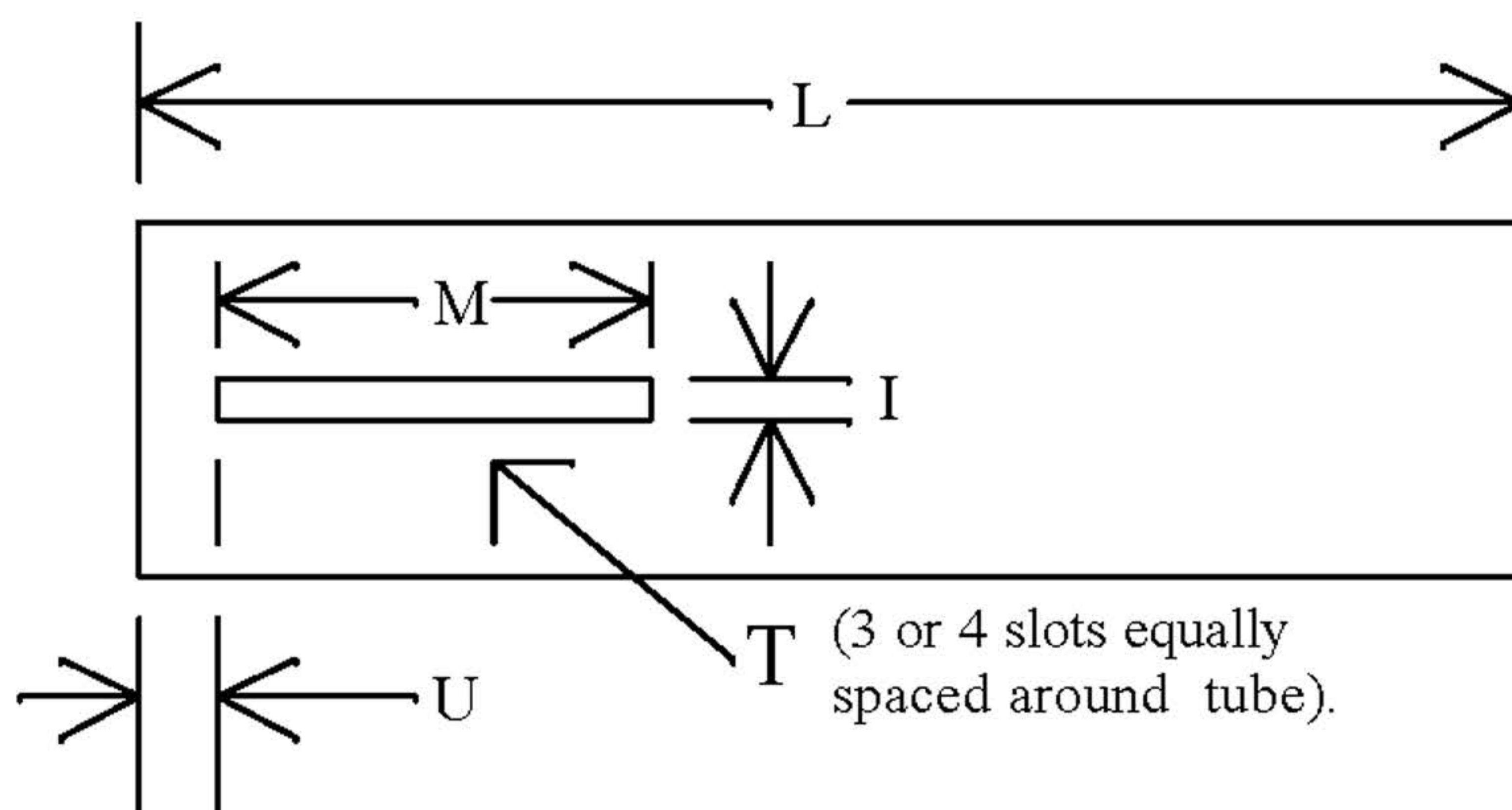


Figure #1

Note that orders with cut or slotted tubes will not ship same day. Please allow 4 to 7 extra days.

Slotting & Cutting to Length Example

Now let's run thru an example. You ordered seven T50 tubes. You want 4 of these tubes slotted with 4 slots each. The slots start 0.40" from the end of the tube, are 1.450" long and .100" wide. You want one of these tubes left at 34" long (standard stock length) and the others cut to 11.25" long. Here is how the order form will look.

Qty	shape	Size	Q	L	M	I	T	U	A	\$ ea.	\$ Total
1	16	T50	.976	34	1.45	.1	4	.40	n/a	\$1.00	\$3.00
3	16	T50	.976	11.25	1.45	.1	4	.40	n/a	\$1.00	\$5.00

You will receive the above 4 slotted and cut to length tubes along with 5 untouched T50 tubes. This is because we will be able to get the three 11.25" tubes out of just one 34" T50 tube. We will always make the most efficient use of the materials you order and give you whatever pieces are left over.

Cutting to length only

Column	Contents
Quan	# of tubes you want.
Shape	17 (Always 17 for cutting to length)
Size Cat.	BMS part# of tube or coupler stock
Q	OD of tube
L	Overall length of tube. Note That "L" MUST be => 1.00" & < 34"
M	n/a
I	n/a
T	n/a
U	n/a
A	n/a
\$ Each	\$0.25
Setup Charge	\$2.00
\$ Total	\$2.00 + (Quan ordered x \$ Each)

Cutting to Length only Example

Now let's run thru an example. You want to create three BT50 Rockets with tube fins. The main tube on this Rocket is 9" long and has six 2" long "tube fins". Here is how the order form will look.

Qty	shape	Size	Q	L	M	I	T	U	A	\$ ea.	\$ Total
3	17	T50	.976	9.0	n/a	n/a	n/a	n/a	n/a	\$0.25	\$1.75
18	17	T50	.976	2.0	n/a	n/a	n/a	n/a	n/a	\$0.25	\$5.50

In addition you will need to order 3 T50 tubes. You will receive three 9" pieces, eighteen 2" pieces and one left over 32" piece.

Email: sales@BalsaMachining.com

Web: www.BalsaMachining.com

Balsa Machining Service

11995 Hillcrest Dr.

Lemont IL, 60439

Phone: 630-257-5420 Fax: 0341

Semi-Custom Order Form. Use for any semi-custom item.

Quan	Shape	Size Category	Q	L	M	I	T	U	A	\$ Each	\$ Total
EXAMPLE			.736 Point SEVEN THREE SIX	2.750 TWO Point SEVEN FIVE ZERO	.5 Point FIVE	.710 Point SEVEN ONE ZERO	N/A	N/A	N/A	Follow this example entry when filling out order form Select One: <input checked="" type="checkbox"/> Contest Balsa (8 lb) <input type="checkbox"/> Hard Balsa (15 lb)	
1											Select One: <input type="checkbox"/> Contest Balsa (8 lb) <input type="checkbox"/> Hard Balsa (15 lb)
2											Select One: <input type="checkbox"/> Contest Balsa (8 lb) <input type="checkbox"/> Hard Balsa (15 lb)
3											Select One: <input type="checkbox"/> Contest Balsa (8 lb) <input type="checkbox"/> Hard Balsa (15 lb)
4											Select One: <input type="checkbox"/> Contest Balsa (8 lb) <input type="checkbox"/> Hard Balsa (15 lb)
5											Select One: <input type="checkbox"/> Contest Balsa (8 lb) <input type="checkbox"/> Hard Balsa (15 lb)
6											Select One: <input type="checkbox"/> Contest Balsa (8 lb) <input type="checkbox"/> Hard Balsa (15 lb)

Name _____

Address _____

City _____ State _____ Zip _____

Phone _____

Email _____

Credit card # _____ exp _____

Total (this page)	
Total (all pages)	
7.75% Tax (IL res. only)	
* Shipping & Handling	* \$ 9.00
Total	

* If this semi-custom parts order is combined with stock items only the stock item S&H charge applies.

Visa Master Card