

# r-Max Reserve Canopy p/n 18130124

## PACKING INSTRUCTIONS



**PRECISION**  
aerodynamics

*Inspect the canopy thoroughly before starting to pack it, following the instructions of the r-Max Owner's Manual. Check the line continuity and ensure the canopy has been properly assembled on the harness correctly.*

1. Feed the loop end of the Wrap-It Link through the lines and riser.



2. Feed the loop end of the Wrap-It Link through the lines again, second time.



3. Feed the loop end of the link through the riser again, second time.



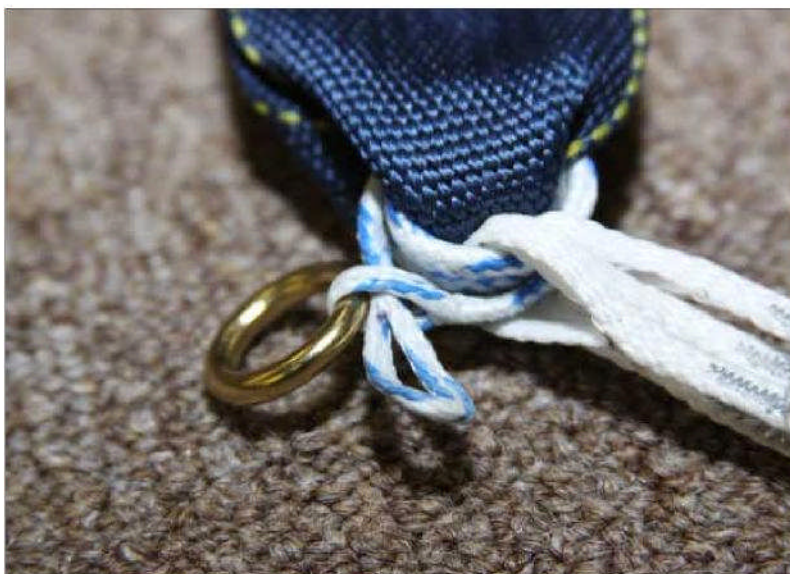
4. Feed the loop end of the link through the lines again, third time.



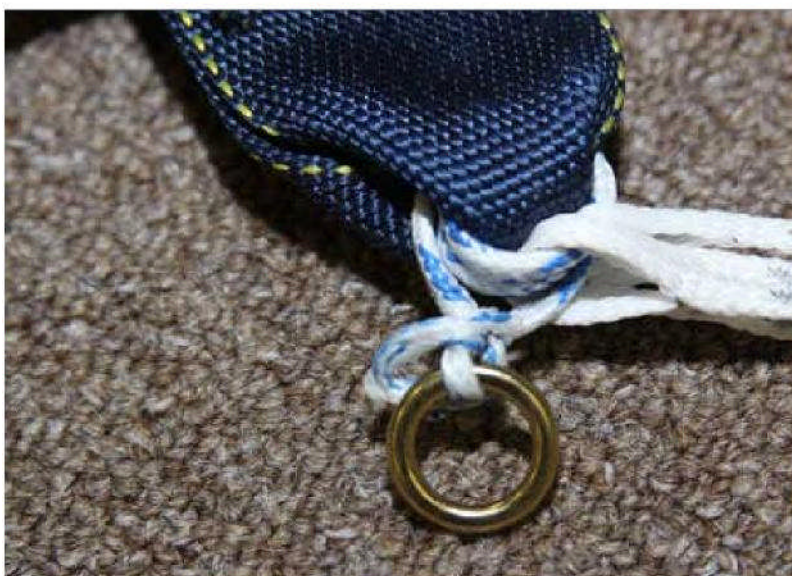
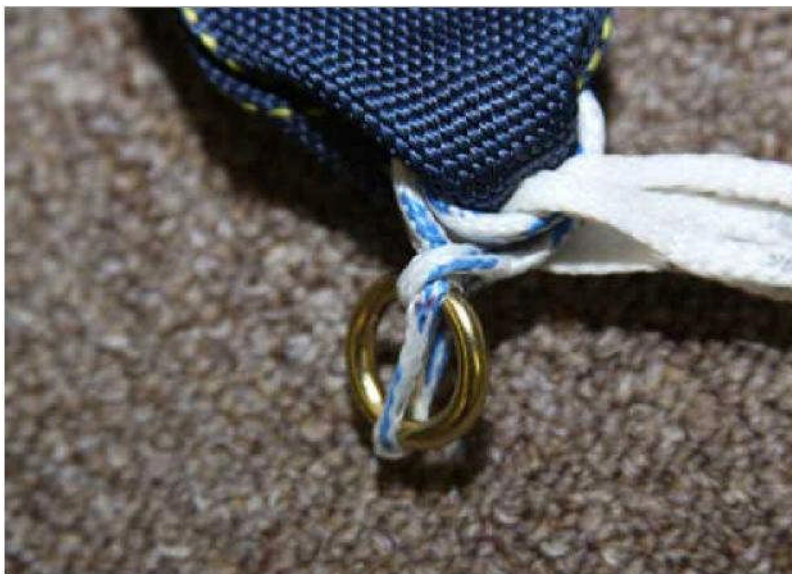
5. Feed the loop end of the link through the riser again, third time.



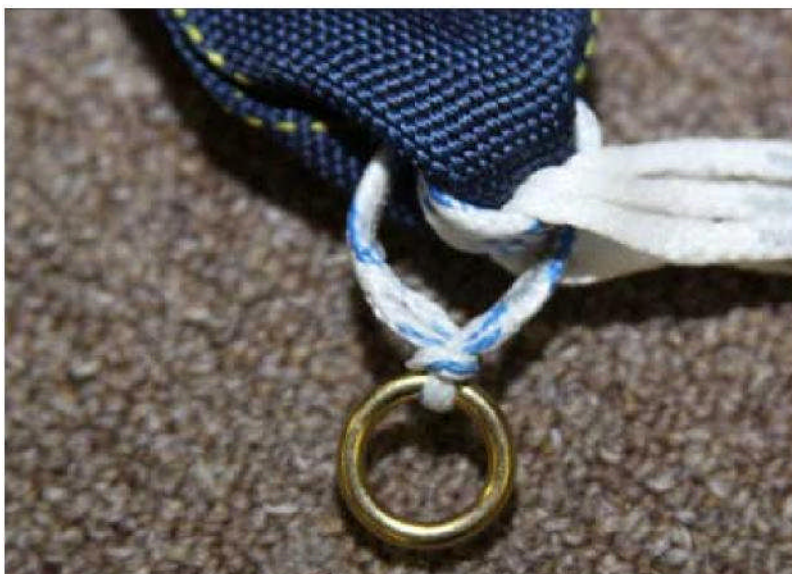
6. Feed the loop end of the link through the other end of the link (through the same loop with the ring).



7. Pass the ring through the loop.



8. Tighten the knot.

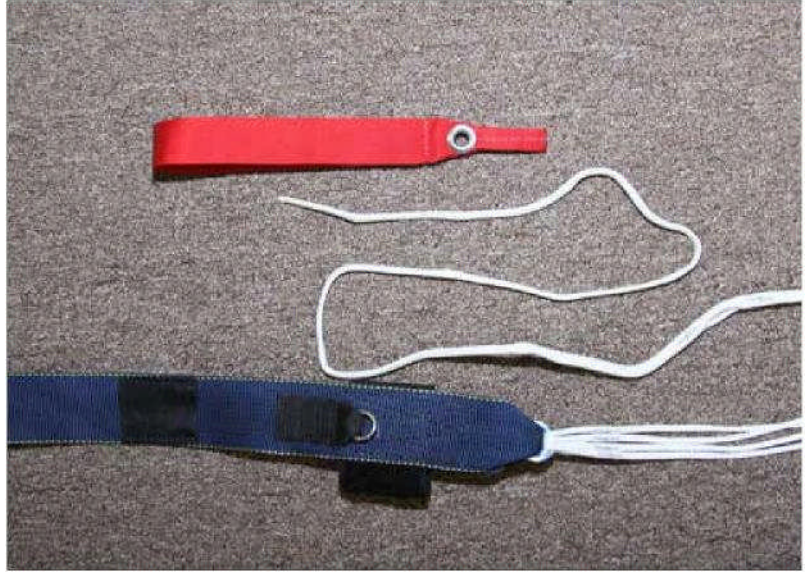


9. Rotate the whole Wrap-It Link so that the ring is located in the riser end.

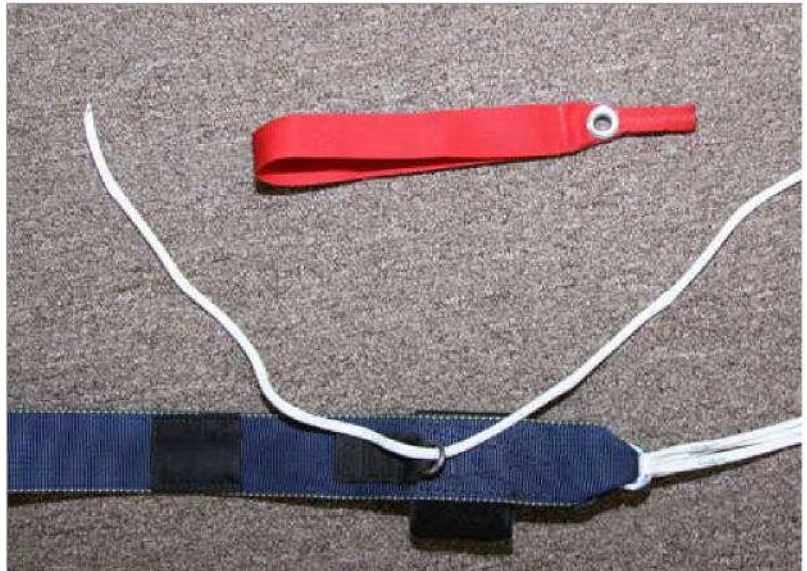


## Assembly of Toggles

1. Setting up the toggles may vary from one manufacturer to another.



2. Feed the steering line through the ring on the riser.



3. Feed the steering line through the grommet in the toggle, around the toggle and back through the grommet.



4. Pull the loop tight.



5. Feed the steering line through the grommet of the handle again.



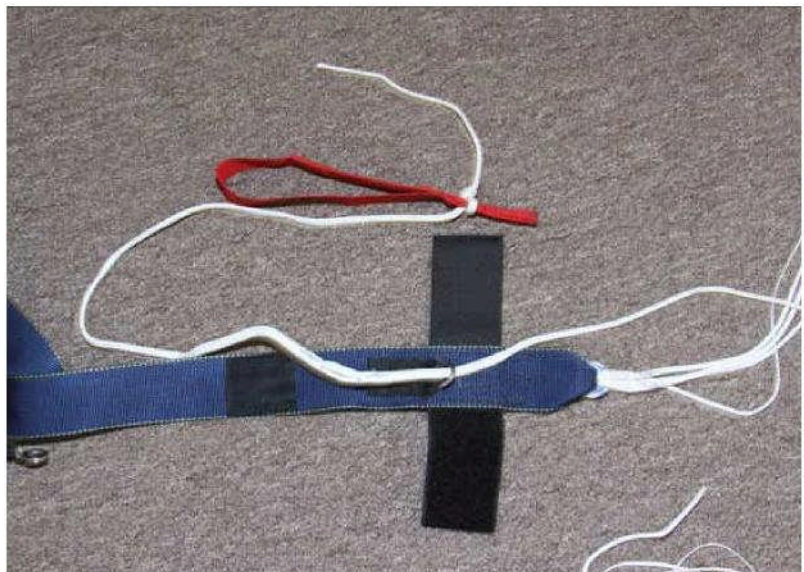
6. Tighten the knot.



7. Make a two-turn overhand knot.



8. Tighten the knot up against the grommet.





## ***Stowing the Toggles***

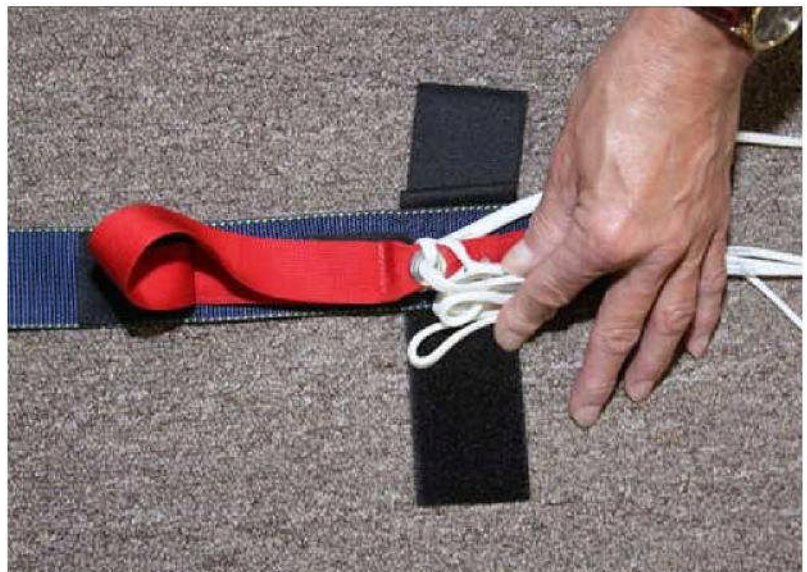
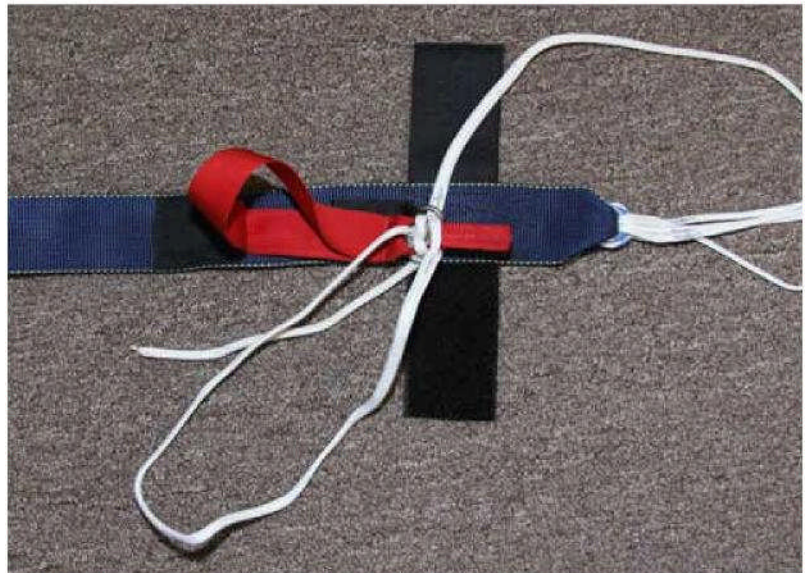
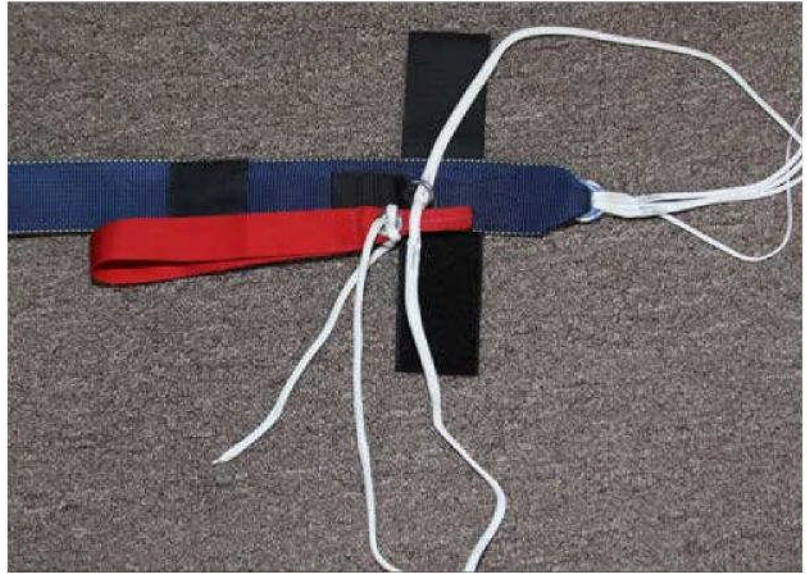
Toggle stowing methods will vary with container manufacturers.

If the instruction for the container you are using is different than the method shown here, consult your container manufacturer's documentation for further instruction on Stowing the Toggles.

Lock the Toggle into the loop of the steering line.

Tuck the bottom of the handle into the pocket of the riser

“S” - fold the excess line.



Cover the “S” folded excess line with the velcro flap.



## ***Pro-Packing***

Lay the canopy on its side until all seven “T” seams are straight from the leading edge to the trailing edge as shown.



Make sure the risers are not twisted. Slip your fingers between front, rear risers and steering lines, below the slider. Move up the lines, allowing them to slide between your fingers, pushing the slider ahead until you reach the bottom of the canopy.



Lift the canopy off the ground, making sure that the lines are not twisted and the canopy is facing the correct direction. Nose openings should be facing the rig and the tail should be facing the other way.

Hold the lines in one hand so that the left and the right sides of the canopy hang even.



Flake the nose of the canopy. Pull each cell completely out. Pick up the next cell taking care not to miss any of the seven cells.

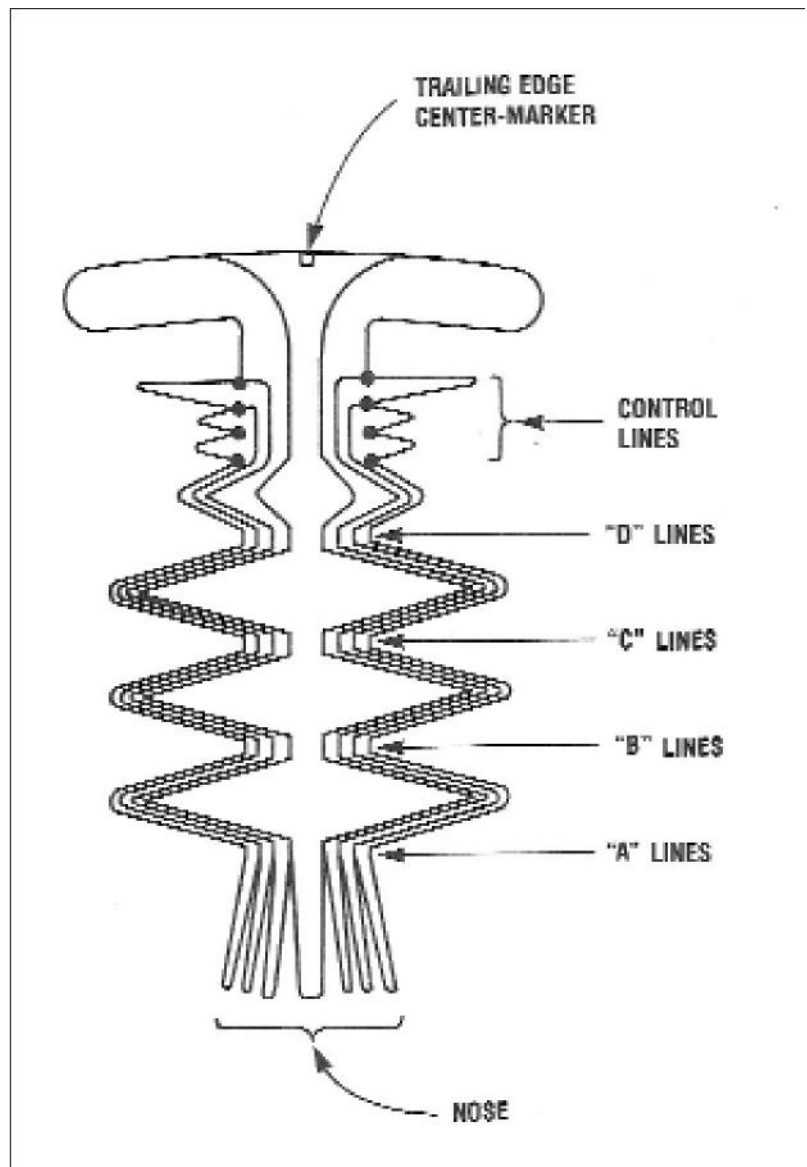
Flake the entire nose, tuck it between your knees and hold it there.

Clear the stabilizers, flake the material between each line group out toward the stabilizers, keeping the line groups stacked together in the middle of the pack job. Clear the tail, flaking the material between each steering line toward the outside of the pack job.



The diagram shows the correct organization of the canopy after this step is completed. The leading edge will be the closest to your body and the trailing edge will be the furthest away from you. When looking straight down into the canopy from above it should resemble this diagram.

*Note: the slider is not shown in this diagram.*



Hold the canopy parallel to the floor with the nose facing down. Hold the lines in one hand while using your free arm to support the canopy fabric. While maintaining even tension on the lines, gently place the canopy back down on the floor or packing table with the nose facing down.



Starting on the right side of the canopy, carefully lift the folds of material back towards the center of the pack job until the nose is exposed. clear the three cells to the right of the center cell and flake this section of the nose toward the outside of the pack job.



Flake material between the A and B lines away from the line channel in the center of the pack job. Be sure that all three “T” seams to the right of the center cell are neatly flaked.



Find the four bottom seams to the right of the center cell and flake them out toward the stabilizer.

Make sure the right side B lines are grouped together and stacked neatly on top of the A lines.



Smooth out the fold between the A and the B lines



Repeat the previous step to flake the material between the B and C lines.



Flake the material between the C and D lines away from the line channel in the center of the pack job. Make sure the D lines are grouped together and stacked neatly on top of the A, B and C lines. It is important to keep even tension on all the line groups throughout the remainder of the pack job. Pulling on the "T" seams directly above the line attachment point will keep the lines straight and maintain the folds in the material.



Flake the material between the upper control lines toward the outside of the pack job, leaving the control lines stacked neatly on top of the A, B, C and D lines.

Repeat the same steps to flake the left side of the canopy. Make sure the line channel in the center of the pack job is clear.





Quarter the slider, dividing the material evenly between the slider grommets. Make sure the slider grommets are seated against the slider stops sewn into the stabilizers.



Fold in half the fold between the A and the B lines and the folds between B and C lines to narrow the pack job.

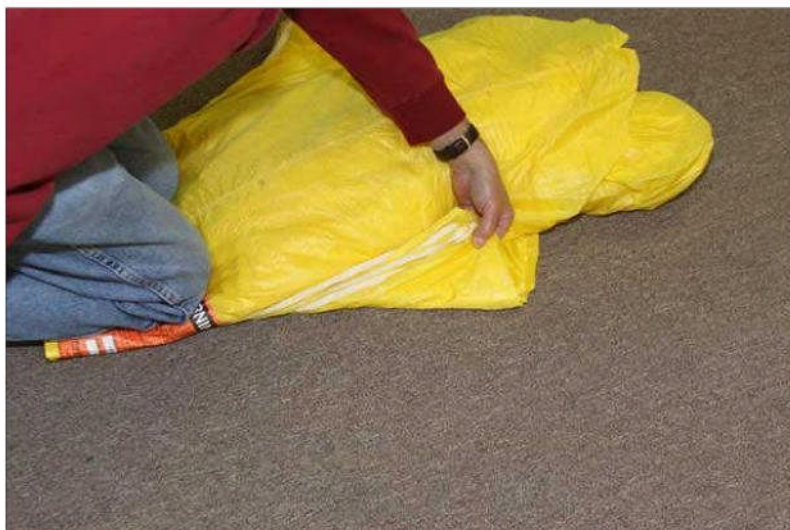
*Note: this is just an option and depends on the container size.*



Dress the center of the tail by spreading out the top center panel to the width of the canopy underneath.



Carefully “S” - fold the nose under the canopy, making sure the leading edge remains exposed, but does not extend past the edges of the folded canopy.



Fold the bottom of the folded reserve back and on top of itself making approximately a six inch "S"- fold



Kneeling on this fold, carefully part top half of the canopy into two halves. Starting from bottom to top and using a kneading motion, mold the halves into two equal ears.



A dimple should be made between the left and right line groups below the slider



Lay the canopy in its side until all seven “T” seams are straight from leading edge to trailing edge as shown.



Grasp the seven “T” seams at the leading edge in your left hand. Grasp the seven “T” seams directly above the A lines with your right hand. Pull tension against the rig to be sure the A lines are straight and then fold the leading edge back under the canopy so the A line path is on the far left as you look from canopy to toward the rig.



Hold down the canopy at the A line path, find the seven “T” seams directly above the B line path and fold to the left, placing the B lines on top of the A lines.



The material between the A and B should be in a fold to your right of the A and B lines path.



Hold down the canopy at the B line path and grab the seven “T” seams directly on top of the C line path.



Fold the C lines to the left, past the B line path as far as possible, then bring them back and lay the C lines on top of the B lines. This results in the canopy fabric between the B and C lines being folded on the left side of the canopy and the C lines are directly on top of the B lines. Straighten this fold as necessary.



Grasp the seven "T" seams directly above the D line path and fold to the left placing the D lines on top of the C line path. The material between the C and D lines should be folded to the right of the lines.



Clear the stabilizers.



Fold the tail on each side maintaining the steering lines on top of the other lines.

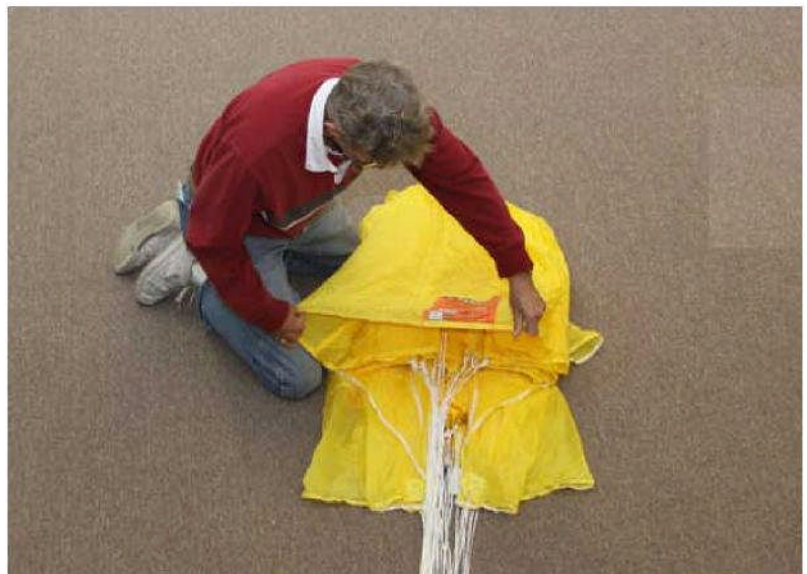




Look up the lines to all the line attachment points. All lines should go up to the attachment points with no canopy fabric between them.



Lay the center cell of tail on top. It should be spread out to the same width as the rest of the folded canopy.





Pull up the slider by grabbing the tapes around its center and walking from the connector links to the base of the folded canopy.



Grasp the tail at each edge of the center cell and pull down until it is even with the lower edge of the folded canopy. Raise the center cell of the tail six inches and inspect the D lines and steering lines. Make sure all lines are taut.



Dress the center of the tail by spreading out the top center panel to the width of the rest of the canopy underneath.



Tuck the center tail panel around the canopy, working from bottom to top and making sure not to cover the leading edge.



Kneeling on the lower tail, pull the top of the folded reserve up onto your lap. make sure the seven leading edge openings are exposed and the tail is not wrapped in front of the openings.

Lay the canopy back down and redress in preparation for inserting it in its free bag.



## **FOLDING THE CANOPY AND PUTTING IT INTO THE BAG**

There are several different types of bags used by harness and container manufacturers.

*If the rig manufacturer specified a different method of organizing the canopy before placing it in the bag, follow their instructions. However, you must make sure that the rig manufacturer's instructions are valid and proper for this canopy.*

**1. For one and two pin containers with closing loops on a vertical center line of the container:**

a) Fold the bottom of the folded reserve back and on top of itself making approximately a six inch "S"- fold

b) Kneeling on this fold, carefully part top half of the canopy into two halves. Starting from bottom to top and using a kneading motion, mold the halves into two equal ears.



c) In case of a two pin center line configuration, a dimple should also be made between the left and right line groups below the slider.



*Follow the harness and container manufacturer's instructions for putting the canopy into bag and completing the pack job.*

**2. For one and two pin containers that require “S” - folding the canopy into the bag:**

Starting at the bottom of the canopy and working toward the top using a kneading motion, fold the canopy into a tight, narrow roll and redress the tail around so that the data panel is on top and the canopy is the width of the data panel. Be sure not to cover up the seven leading edge openings. Put the canopy into the bag on its side.



*Follow the harness and container manufacturer’s instructions for putting the canopy into bag and completing the pack job.*



**3. For two pin container with the closing loops side by side:**

a) fold the bottom of the reserve canopy back onto itself making approximately a six inches fold.



b) make a second “S”- fold on top of the previous fold.

c) kneeling on this fold and using a choking motion, make a side to side dimple in the canopy so that the proper amount of bulk is above and below the dimple.

If you must use a strap, be extra sure to remove the strap before closing the bag.



*Follow the harness and container manufacturer's instructions for putting the canopy into bag and completing the pack job.*



# Line Trim Specification Sheet

**r-Max 108**  
input canopy size

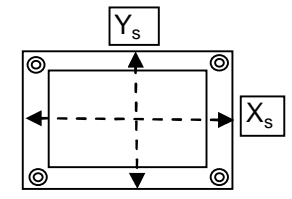
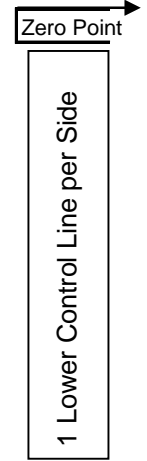
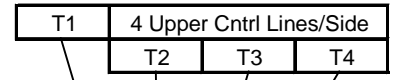
s/n \_\_\_\_\_

7 Cell Reserve

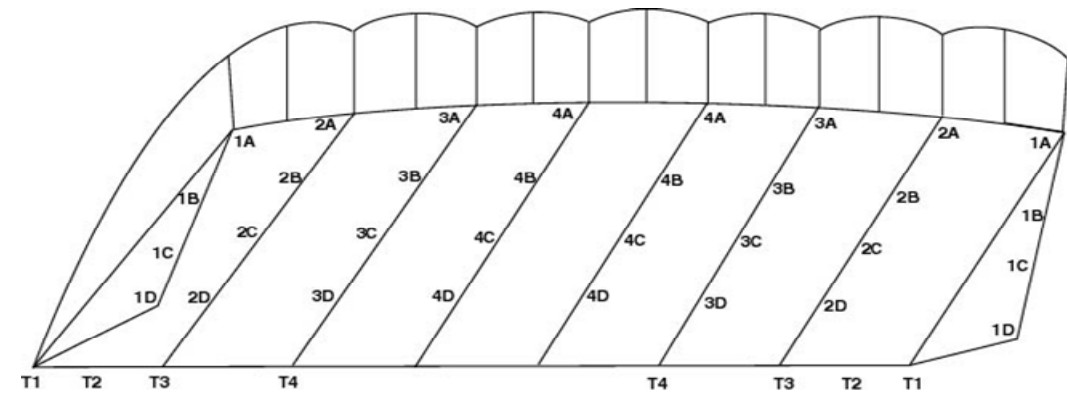
**PRECISION**  
aerodynamics

**r-Max**

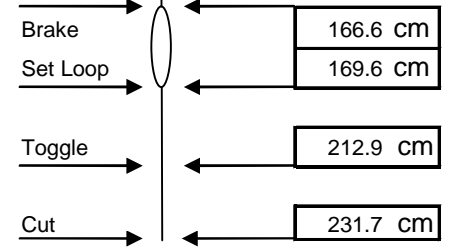
**+**



Slider Dimensions		
Y <sub>s</sub> =	38	cm
X <sub>s</sub> =	74	cm
Measure along dotted lines		



Maximum Operating Weight Limit	kg	lbs
	100	220



	1		2		3		4	
	cm	inches	cm	inches	cm	inches	cm	inches
A	241.2	95.0	241.7	95.1	241.7	95.1	241.7	95.1
B	98.4	38.7	115.7	45.6	115.7	45.6	115.7	45.6
C	228.5	90.0	263.9	103.9	263.9	103.9	263.9	103.9
D	61.8	24.3	115.7	45.6	115.7	45.6	115.7	45.6
T	109.2	43.0	109.2	43.0	109.2	43.0	109.2	43.0

# Line Trim Specification Sheet

**r-Max 118**  
input canopy size

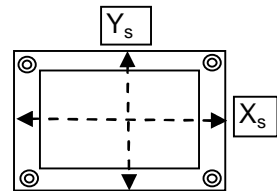
s/n \_\_\_\_\_



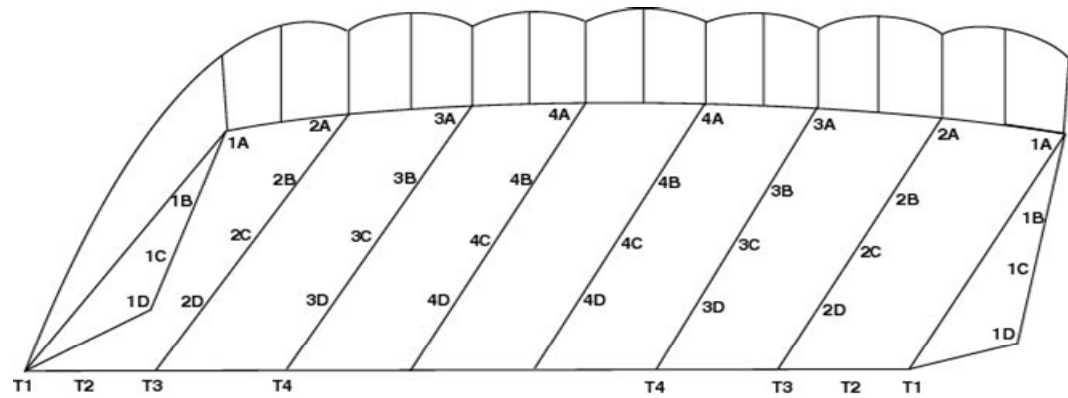
T1	4 Upper Cntrl Lines/Side		
	T2	T3	T4

Zero Point

1 Lower Control Line per Side



Slider Dimensions		
Y <sub>s</sub> =	38	cm
X <sub>s</sub> =	74	cm
Measure along dotted lines		



Maximum Operating Weight Limit	kg	lbs
	100	220

Brake	174.2 cm
Set Loop	177.2 cm
Toggle	222.6 cm
Cut	241.4 cm

	1		2		3		4	
	cm	inches	cm	inches	cm	inches	cm	inches
A	252.1	99.3	252.6	99.5	252.6	99.5	252.6	99.5
B	102.8	40.5	121.0	47.6	121.0	47.6	121.0	47.6
C	238.9	94.0	275.8	108.6	275.8	108.6	275.8	108.6
D	64.6	25.4	121.0	47.6	121.0	47.6	121.0	47.6
T	114.2	44.9	114.2	44.9	114.2	44.9	114.2	44.9



# Line Trim Specification Sheet

**r-Max 128**  
input canopy size

s/n \_\_\_\_\_

7 Cell Reserve

**PRECISION**  
aerodynamics

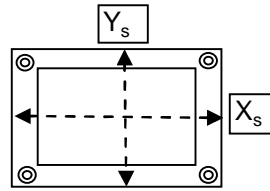
**r-Max**

**+**

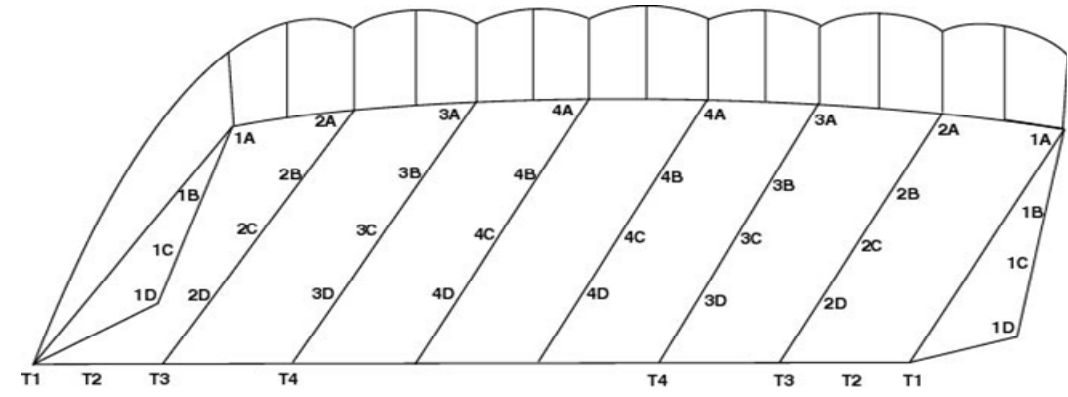
T1	4 Upper Cntrl Lines/Side		
	T2	T3	T4

Zero Point

1 Lower Control Line per Side



Slider Dimensions		
Y <sub>s</sub> =	38	cm
X <sub>s</sub> =	74	cm
Measure along dotted lines		



Maximum Operating Weight Limit	kg	lbs
	100	220

Brake	181.4 cm
Set Loop	184.4 cm
Toggle	231.8 cm
Cut	250.6 cm

	1		2		3		4	
	cm	inches	cm	inches	cm	inches	cm	inches
A	262.6	103.4	263.1	103.6	263.1	103.6	263.1	103.6
B	107.1	42.2	126.0	49.6	126.0	49.6	126.0	49.6
C	248.8	98.0	287.3	113.1	287.3	113.1	287.3	113.1
D	67.3	26.5	126.0	49.6	126.0	49.6	126.0	49.6
T	118.9	46.8	118.9	46.8	118.9	46.8	118.9	46.8

# Line Trim Specification Sheet

**r-Max 138**  
input canopy size

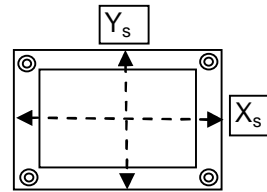
s/n \_\_\_\_\_



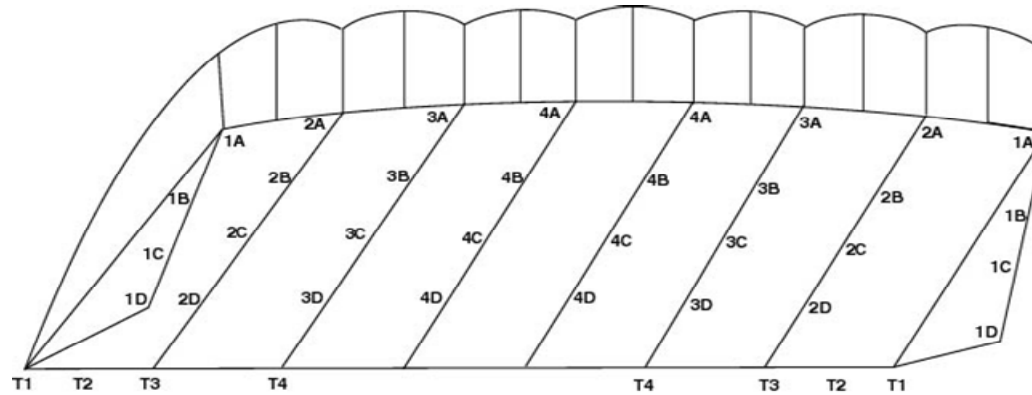
T1	4 Upper Cntrl Lines/Side		
	T2	T3	T4

Zero Point

1 Lower Control Line per Side



Slider Dimensions		
$Y_s =$	N/A	cm
$X_s =$	N/A	cm
Measure along dotted lines		



Maximum Operating Weight Limit	kg	lbs
	115	254

Brake	188.4 cm
Set Loop	191.4 cm
Toggle	240.7 cm
Cut	259.5 cm

	1		2		3		4	
	cm	inches	cm	inches	cm	inches	cm	inches
A	272.7	107.3	273.2	107.6	273.2	107.6	273.2	107.6
B	111.2	43.8	130.8	51.5	130.8	51.5	130.8	51.5
C	258.3	101.7	298.3	117.4	298.3	117.4	298.3	117.4
D	69.9	27.5	130.8	51.5	130.8	51.5	130.8	51.5
T	123.5	48.6	123.5	48.6	123.5	48.6	123.5	48.6

# Line Trim Specification Sheet

**r-Max 148**  
input canopy size

s/n \_\_\_\_\_

7 Cell Reserve

**PRECISION**  
aerodynamics

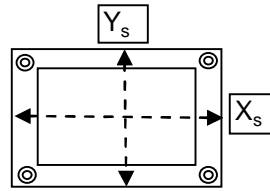
**r-Max**

**+**

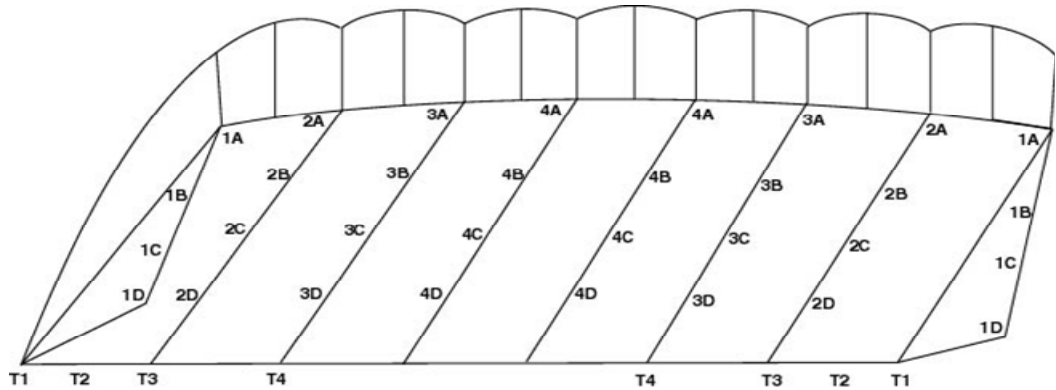
T1	4 Upper Cntrl Lines/Side		
	T2	T3	T4

Zero Point

1 Lower Control Line per Side



Slider Dimensions		
Y <sub>s</sub> =	38	cm
X <sub>s</sub> =	74	cm
Measure along dotted lines		



Maximum Operating Weight Limit	kg	lbs
	115	254

Brake	195.1 cm
Set Loop	198.1 cm
Toggle	249.3 cm
Cut	268.1 cm

	1		2		3		4	
	cm	inches	cm	inches	cm	inches	cm	inches
A	282.4	111.2	282.9	111.4	282.9	111.4	282.9	111.4
B	115.2	45.3	135.5	53.3	135.5	53.3	135.5	53.3
C	267.5	105.3	308.9	121.6	308.9	121.6	308.9	121.6
D	72.4	28.5	135.5	53.3	135.5	53.3	135.5	53.3
T	127.9	50.3	127.9	50.3	127.9	50.3	127.9	50.3

# Line Trim Specification Sheet

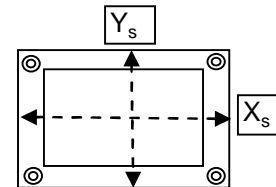
**r-Max 168**  
input canopy size

s/n \_\_\_\_\_

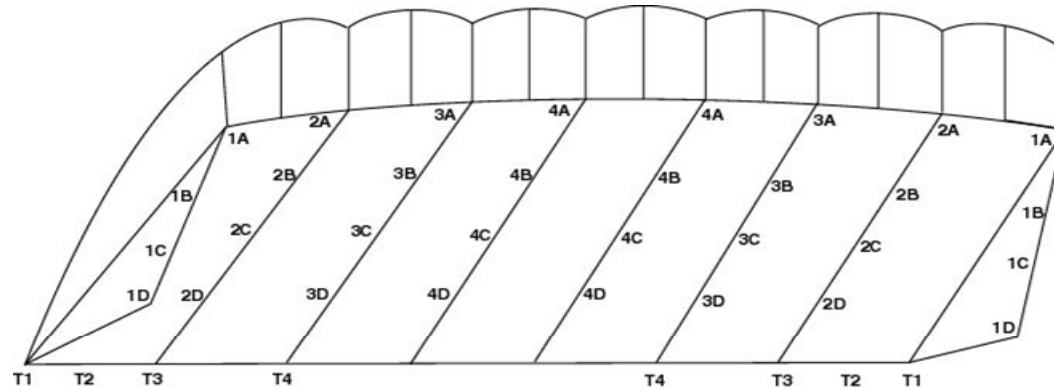


T1	4 Upper Cntrl Lines/Side		
	T2	T3	T4

Zero Point  
1 Lower Control Line per Side



Slider Dimensions			
Y <sub>s</sub> =	43	cm	
X <sub>s</sub> =	74	cm	
Measure along dotted lines			



Maximum Operating Weight Limit	kg	lbs
	115	254

Brake	207.8 cm
Set Loop	210.8 cm
Toggle	265.6 cm
Cut	284.4 cm

	1		2		3		4	
	cm	inches	cm	inches	cm	inches	cm	inches
A	300.8	118.4	301.4	118.7	301.4	118.7	301.4	118.7
B	122.7	48.3	144.4	56.8	144.4	56.8	144.4	56.8
C	285.0	112.2	329.1	129.6	329.1	129.6	329.1	129.6
D	77.1	30.4	144.4	56.8	144.4	56.8	144.4	56.8
T	136.2	53.6	136.2	53.6	136.2	53.6	136.2	53.6

# Line Trim Specification Sheet

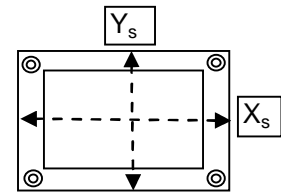
**r-Max 188**  
input canopy size

s/n \_\_\_\_\_

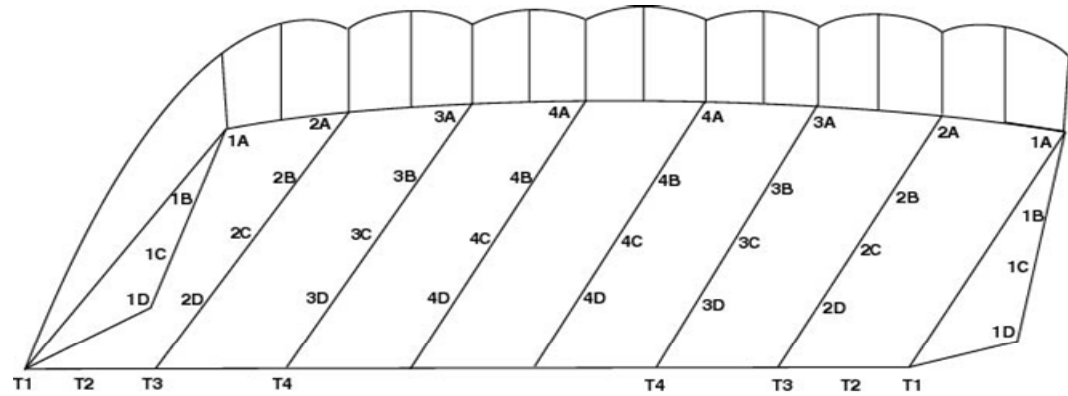


T1	4 Upper Cntrl Lines/Side		
	T2	T3	T4

Zero Point  
1 Lower Control Line per Side



Slider Dimensions			
$Y_s =$	43	cm	
$X_s =$	74	cm	
Measure along dotted lines			



Maximum Operating Weight Limit	kg	lbs
	115	254

Brake	219.8 cm
Set Loop	222.8 cm
Toggle	280.9 cm
Cut	299.7 cm

	1		2		3		4	
	cm	inches	cm	inches	cm	inches	cm	inches
A	318.3	125.3	318.9	125.5	318.9	125.5	318.9	125.5
B	129.8	51.1	152.7	60.1	152.7	60.1	152.7	60.1
C	301.5	118.7	348.2	137.1	348.2	137.1	348.2	137.1
D	81.6	32.1	152.7	60.1	152.7	60.1	152.7	60.1
T	144.1	56.7	144.1	56.7	144.1	56.7	144.1	56.7

# Line Trim Specification Sheet

**r-Max 208**  
input canopy size

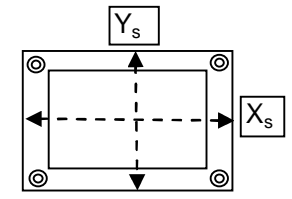
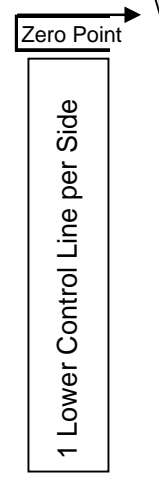
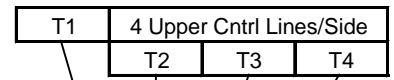
s/n \_\_\_\_\_

7 Cell Reserve

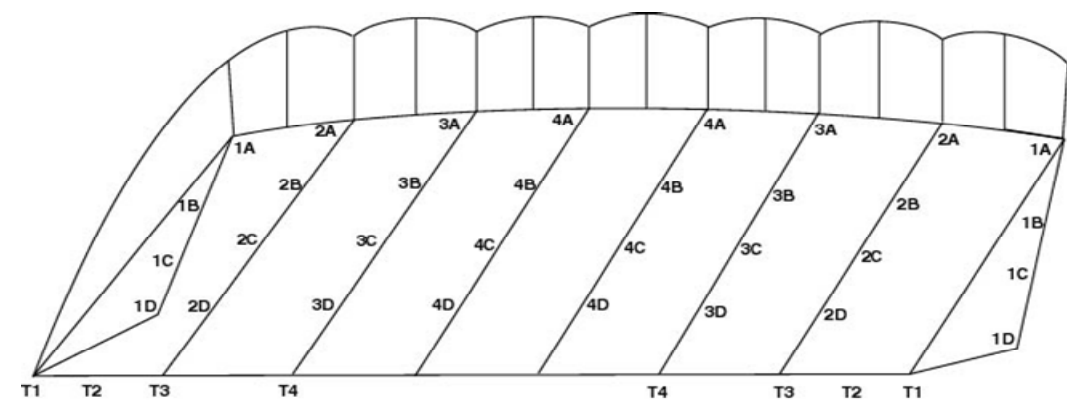
**PRECISION**  
aerodynamics

**r-Max**

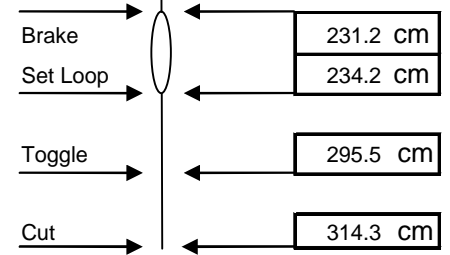
**+**



Slider Dimensions			
$Y_s =$	43	cm	
$X_s =$	74	cm	
Measure along dotted lines			



	kg	lbs
Maximum Operating Weight Limit	115	254



	1		2		3		4	
	cm	inches	cm	inches	cm	inches	cm	inches
A	334.8	131.8	335.4	132.0	335.4	132.0	335.4	132.0
B	136.5	53.8	160.6	63.2	160.6	63.2	160.6	63.2
C	317.2	124.9	366.2	144.2	366.2	144.2	366.2	144.2
D	85.8	33.8	160.6	63.2	160.6	63.2	160.6	63.2
T	151.6	59.7	151.6	59.7	151.6	59.7	151.6	59.7

# Line Trim Specification Sheet

**r-Max 218**  
input canopy size

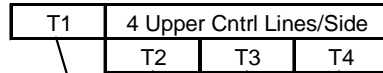
s/n \_\_\_\_\_

7 Cell Reserve



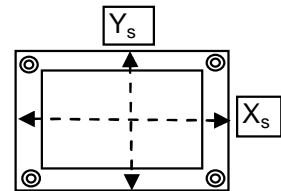
## r-Max

+

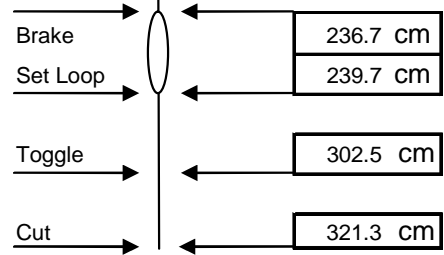
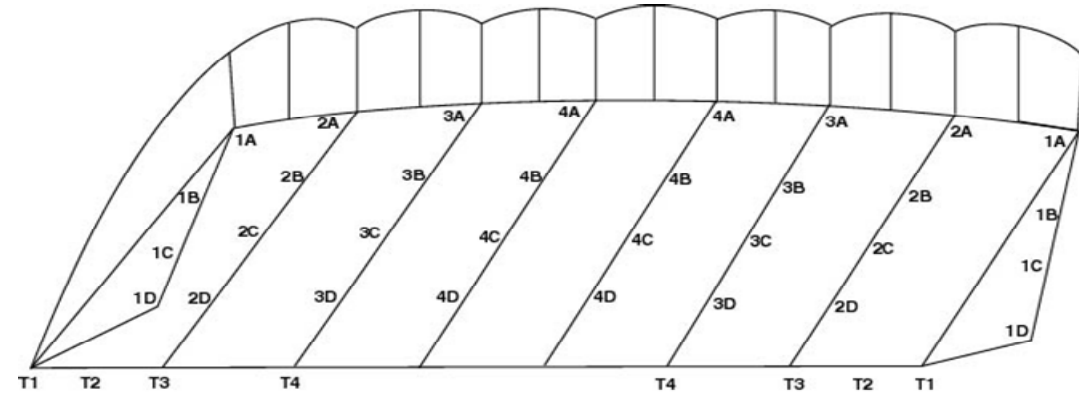


Zero Point →

1 Lower Control Line per Side



Slider Dimensions			
Y <sub>s</sub> =	43	cm	
X <sub>s</sub> =	74	cm	
Measure along dotted lines			



	kg	lbs
Maximum Operating Weight Limit	115	254

	1		2		3		4	
	cm	inches	cm	inches	cm	inches	cm	inches
A	342.7	134.9	343.4	135.2	343.4	135.2	343.4	135.2
B	139.8	55.0	164.4	64.7	164.4	64.7	164.4	64.7
C	324.7	127.8	374.9	147.6	374.9	147.6	374.9	147.6
D	87.8	34.6	164.4	64.7	164.4	64.7	164.4	64.7
T	155.2	61.1	155.2	61.1	155.2	61.1	155.2	61.1

# Line Trim Specification Sheet

**r-Max 228**  
input canopy size

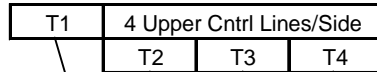
s/n \_\_\_\_\_

7 Cell Reserve

**PRECISION**  
aerodynamics

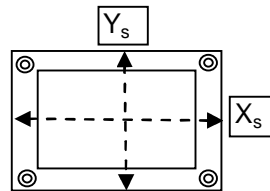
**r-Max**

**+**

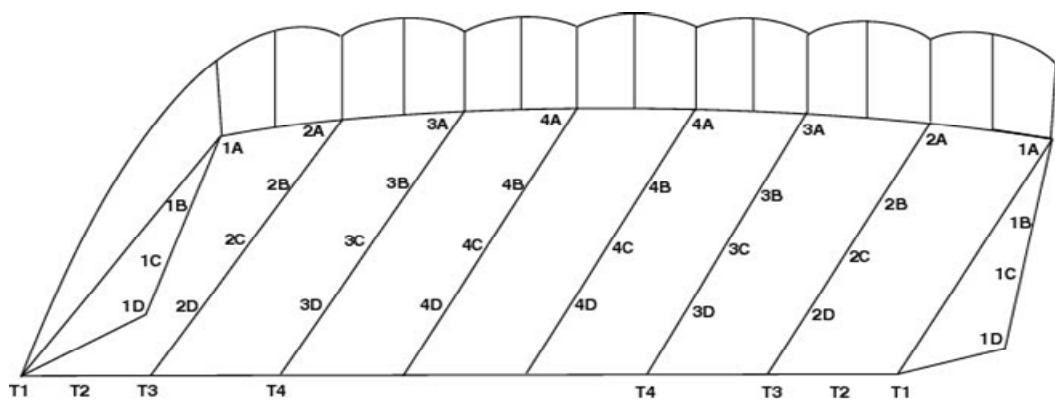


Zero Point

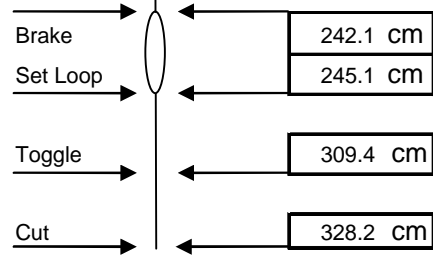
1 Lower Control Line per Side



Slider Dimensions			
Y <sub>s</sub> =	43	cm	
X <sub>s</sub> =	74	cm	
Measure along dotted lines			



	kg	lbs
Maximum Operating Weight Limit	120	264



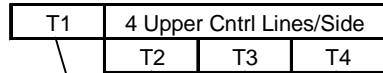
	1		2		3		4	
	cm	inches	cm	inches	cm	inches	cm	inches
A	350.5	138.0	351.1	138.2	351.1	138.2	351.1	138.2
B	142.9	56.3	168.2	66.2	168.2	66.2	168.2	66.2
C	332.1	130.7	383.4	151.0	383.4	151.0	383.4	151.0
D	89.8	35.4	168.2	66.2	168.2	66.2	168.2	66.2
T	158.7	62.5	158.7	62.5	158.7	62.5	158.7	62.5



# Line Trim Specification Sheet

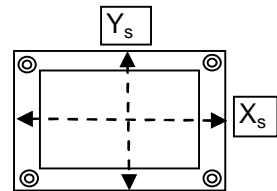
**r-Max 248**  
input canopy size

s/n \_\_\_\_\_

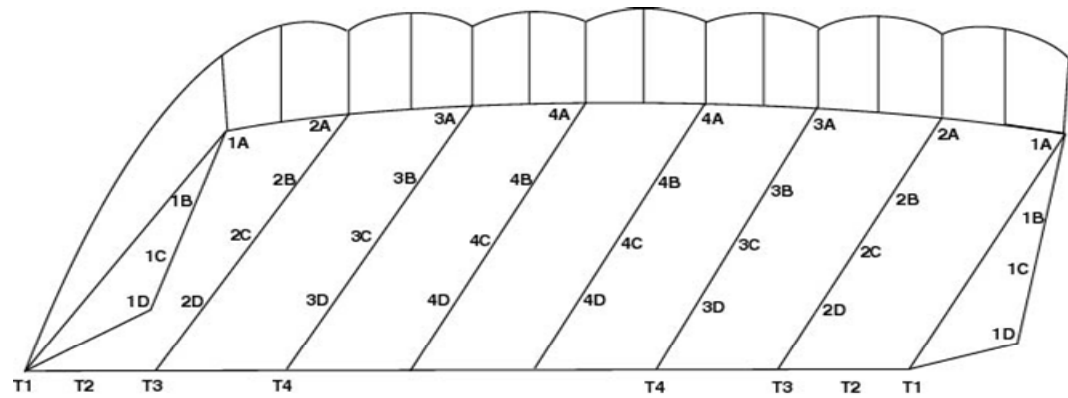


Zero Point

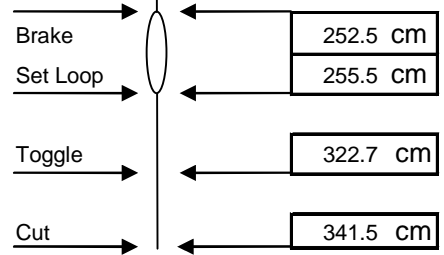
1 Lower Control Line per Side



Slider Dimensions			
$Y_s =$	48	cm	
$X_s =$	74	cm	
Measure along dotted lines			



Maximum Operating Weight Limit	kg	lbs
	129	284



	1		2		3		4	
	cm	inches	cm	inches	cm	inches	cm	inches
A	365.5	143.9	366.2	144.2	366.2	144.2	366.2	144.2
B	149.1	58.7	175.4	69.0	175.4	69.0	175.4	69.0
C	346.3	136.3	399.9	157.4	399.9	157.4	399.9	157.4
D	93.7	36.9	175.4	69.0	175.4	69.0	175.4	69.0
T	165.5	65.2	165.5	65.2	165.5	65.2	165.5	65.2

# Line Trim Specification Sheet

**r-Max 268**  
input canopy size

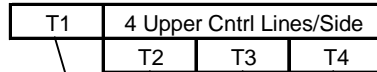
s/n \_\_\_\_\_

7 Cell Reserve



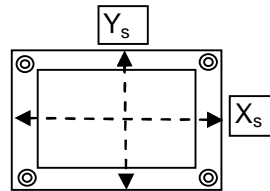
## r-Max

+

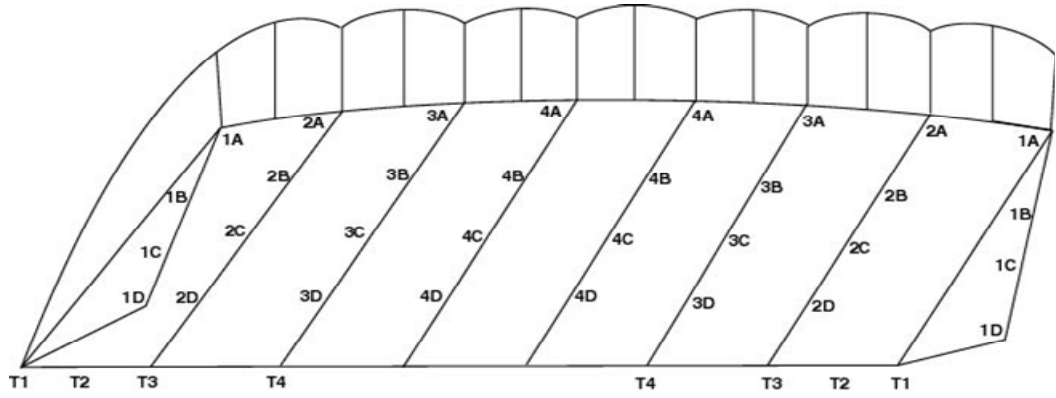


Zero Point →

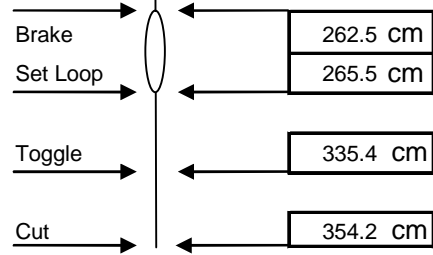
1 Lower Control Line per Side



Slider Dimensions			
$Y_s =$	48	cm	
$X_s =$	74	cm	
Measure along dotted lines			



Maximum Operating Weight Limit	kg	lbs
	136	300



	1		2		3		4	
	cm	inches	cm	inches	cm	inches	cm	inches
A	380.0	149.6	380.7	149.9	380.7	149.9	380.7	149.9
B	155.0	61.0	182.3	71.8	182.3	71.8	182.3	71.8
C	360.0	141.7	415.7	163.7	415.7	163.7	415.7	163.7
D	97.4	38.3	182.3	71.8	182.3	71.8	182.3	71.8
T	172.0	67.7	172.0	67.7	172.0	67.7	172.0	67.7

# Line Trim Specification Sheet

**r-Max 288**  
input canopy size

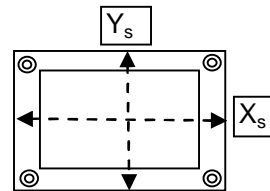
s/n \_\_\_\_\_



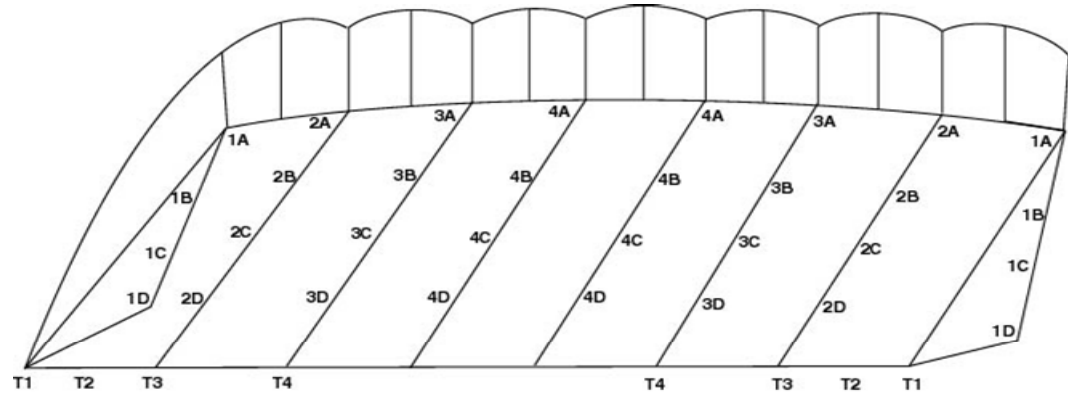
T1	4 Upper Cntrl Lines/Side		
	T2	T3	T4

Zero Point

1 Lower Control Line per Side



Slider Dimensions			
$Y_s =$	48	cm	
$X_s =$	74	cm	
Measure along dotted lines			



Maximum Operating Weight Limit	kg	lbs
	144	317

Brake	272.1 cm
Set Loop	275.1 cm
Toggle	347.7 cm
Cut	366.5 cm

	1		2		3		4	
	cm	inches	cm	inches	cm	inches	cm	inches
A	393.9	155.1	394.7	155.4	394.7	155.4	394.7	155.4
B	160.7	63.2	189.0	74.4	189.0	74.4	189.0	74.4
C	373.2	146.9	431.0	169.7	431.0	169.7	431.0	169.7
D	101.0	39.7	189.0	74.4	189.0	74.4	189.0	74.4
T	178.4	70.2	178.4	70.2	178.4	70.2	178.4	70.2

## r-Max Canopy Operational Limitations and Dimensional Data

p/n 18130124

Canopy Model	Ship Weight	Canopy Area	Exit Weight Limitations (Lbs)							Canopy Dimensional Data		
			Minimum	Student	Novice	Intermediate	Advanced	Expert	Maximum	Span (ft)	Chord (ft)	Aspect
r-Max 108	6.1	108	70	N/R	120	125	129	140	220	15.37	6.95	2.21:1
r-Max 118	6.3	118	76	N/R	130	134	139	151	220	16.07	7.27	2.21:1
r-Max 128	6.6	128	81	N/R	138	143	148	161	220	16.73	7.57	2.21:1
r-Max 138	6.9	138	86	N/R	148	153	158	172	254	17.37	7.86	2.21:1
r-Max 148	7.1	148	92	153	158	164	169	184	254	17.99	8.14	2.21:1
r-Max 168	7.6	168	103	170	176	182	189	205	254	19.17	8.67	2.21:1
r-Max 188	8.0	188	113	188	194	201	208	226	254	20.28	9.18	2.21:1
r-Max 208	8.4	208	123	203	211	218	225	245	254	21.33	9.65	2.21:1
r-Max 228	8.8	228	132	219	227	235	243	264	264	22.33	10.11	2.21:1
r-Max 248	9.3	248	142	235	243	252	260	283	283	23.29	10.54	2.21:1
r-Max 268	9.6	268	150	249	258	267	276	300	300	24.21	10.96	2.21:1
r-Max 288	9.9	288	159	263	273	282	292	317	317	25.1	11.36	2.21:1

