


OCTAPOD HAULSACK, UPDATED

- Cut straps: $2 \times 38''$ for side straps (narrow sb web)
 $1 \times 33''$ for bottom scuff (1.5" yellow sb web)
 $1 \times 10''$ } top closure
 $1 \times \cancel{4''}$ }
 $33.5''$

- cut fabric, marking it on R side
- put drainage hole in bottom piece
- sew on side straps, creating 8" loops at top
- attach D4 patch underneath 8" loop
- sew on bottom scuff: webbing flush with bottom edge, but only sew top edge. Double seam. Stop $\frac{1}{2}''$ before it ends. Overlap by $\frac{3}{4}''$.

• [fold over top edge twice and sew twice] → attach 33.5" strap to top, leaving loop at centre

• [attach clip-on loop at top middle:  1 bartack through loop]

• attach bottom piece: leave edges free by $\frac{1}{2}''$.

Double seam all the way around.

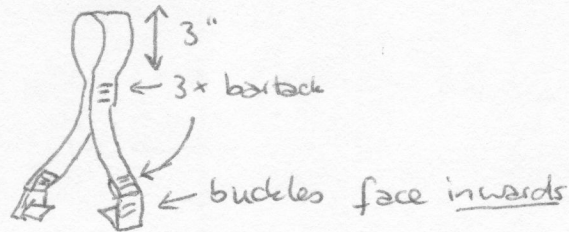
sew yellow scuff together (make sure seams face correct

side!), then do side seam (double seam) enclosing

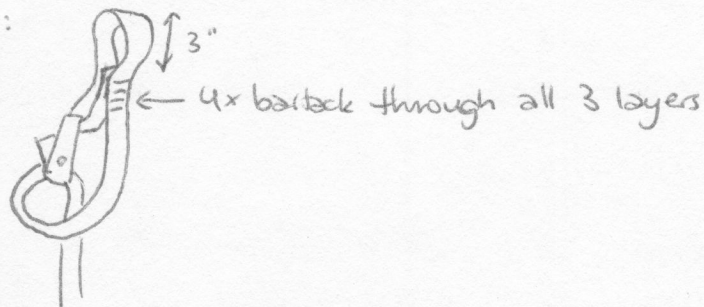
10" strap at top.

• put aluminium g buckle through top strap, bartack once.

- attach logo (centre top on R side)
- attach 2 grommets
- fold the three sides in and double stitch, bar tacking at steps
- top powerpoint: 24" strap



- 98" straps: top:



bottom: 2" loop with 3x bartack

- attach 90" loops through top powerpoint: feed loops through backs of buckles making sure they're not twisted, then sew 5" grabloops with 3 bartacks each

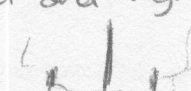
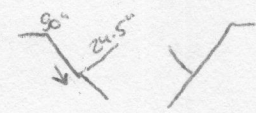

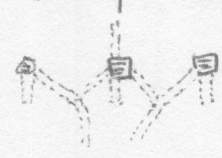
SYDNEY LEDGES

- hem
- 100" instead of 90" loops, ~~with mini loop at end~~
- centre strap (24") on top, buckle (cam buckle) at bottom.
 - ↳ from "new buckle strap", NOT seatbelt webbing
- add snap fastener loops
- use 3" seatbelt webbing
- make


TRAPEZIUM

Cut straps: $2 \times 24.5''$
 $3 \times 24''$
 $2 \times 90''$
 $1 \times 72''$
 $2 \times 98''$
 $3 \times 4'' \rightarrow$ buckle strap webbing

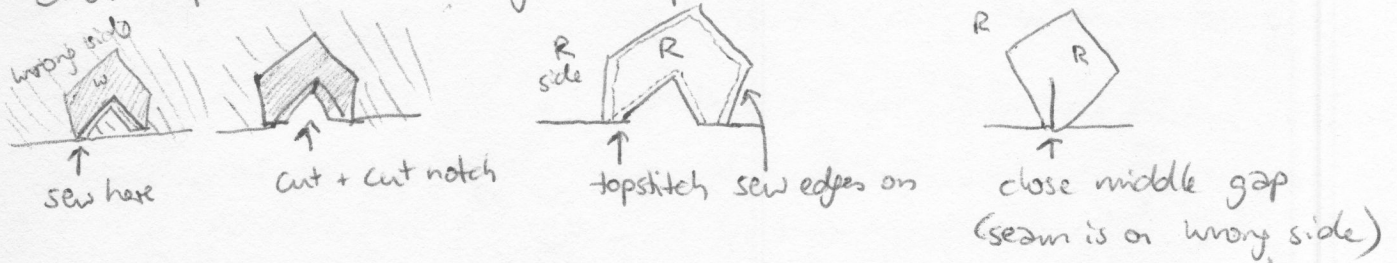
} $2 \times 24''$ seatbelt, $1 \times 24''$ strong green web
narrow seatbelt webbing

- Transfer pattern + marks to L side of fabric
- when using soft (non-PVC) fabric, cut wider, round corners (as pictured in pattern)
- when using soft fabric, add seam allowance for a hem around all the bottom parts which will be covered by straps/webbing
- cut out
- seamtape (all around, only on bits without webbing or, in case of Ainslie PVC ones, only on rounded corners)
- double stitch seam tape on openings
- make cone for flys while seam tape tool is still attached to machine
- attach straight $24''$ straps to left and right end on wrong side, then add $72''$ middle strap 
- sew diagonal straps: $90''$ and $24.5''$ 
- sew $3''$ webbing (fold over on ends), bartacking over all straps
- attach 3 buckles  to R side of fabric, at top ends of $24''$ straps and in middle where diagonal straps meet, using $4''$ straps as attachment. 3x bartack. 


TRAPEZIUM FLY UPDATED

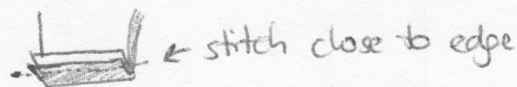
- fold fabric, mark pattern, cut out, then transfer marks to other side
- cut 94" x 9" strip of very sturdy black fabric
2 corner patches of same fabric
- hem corner patches:  ← hem on outer edges
DO NOT hem centre triangle!
- cut cone and 13" seatbelt webbing for cone strap

- sew on airside corner patches: sew right side of patch to wrong side of fly along centre triangle, then turn over and topstitch. Sew edges of patch on, then close middle gap



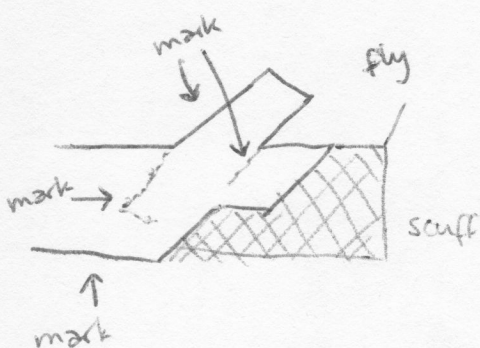
- Sew 94" x 9" scuff onto fly:

- good side to good side →  (normal seam)
- fold seam up towards line on fly (on wrong side)

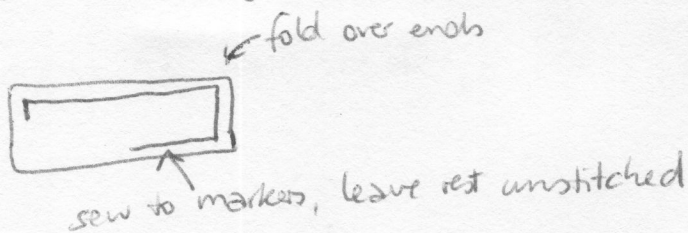


- fold apart and topstitch 

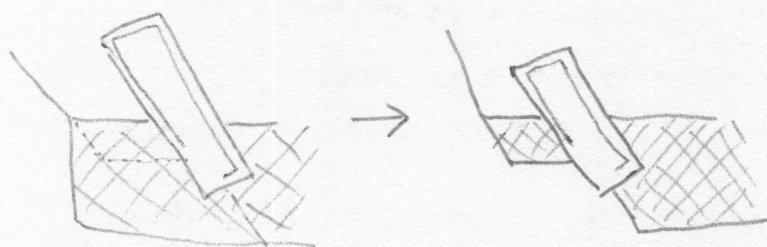
- mark wallside corners with pattern piece on R side of fabric



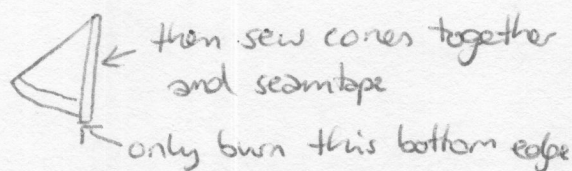
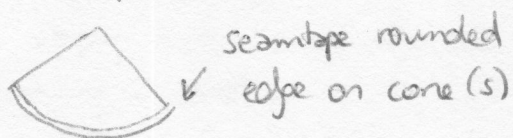
- sew 3" webbing onto R side of fabric on wallside corners



- cut stuff along marked lines



- fold corner together and sew, making sure not to catch the 3" web.
- seamtape (remember ~~to~~ to burn edges of seamtape to seal)
- while seamtape thing is on machine:



*

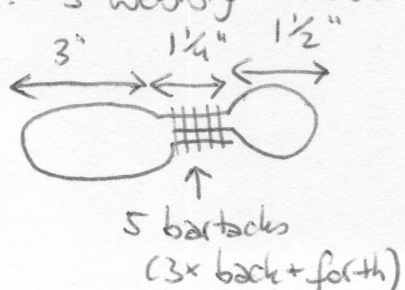
- put in zip: pull zip apart, use one half only (other half is for next fly). Zip end overlaps fabric by 2-3" for putting slider on. Start seams $\frac{3}{4}$ " from edge of fabric.

- 1) coated side of zip to R side of fabric
- 2) fold over and topstitch

*: align 3" webbing so it forms a neat and tidy corner, then sew.

- fiddle on sliders

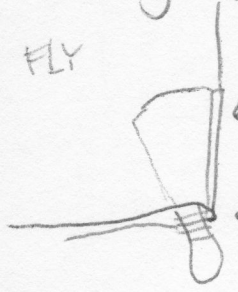
- Cone: 13" webbing 1" wide



- cut opening at top of cone, insert strap with long loop on inside and align with seam taped seam. sew.



- turn fly inside out and align cone with middle mark (inside of fly)



seam taped seam against middle mark

stitch 2-3 times. make sure to leave a gap between cone fabric and fly fabric to prevent scrunching.

- hem: roll edges over twice. only once at scuff. fold zip ends in and wrap fabric around them.

- 2x24' of string

OCTAPOD


Revised steps

Cut straps: $5 \times 2 \times 72''$

$5 \times 2 \times 90''$

$5 \times 1 \times 50''$

$6 \times 2 \times \del{9.5} 9.5''$

$6 \times 2 \times 11.5''$ for buckles (fold strap in when sewing on )

$5 \times 1 \times 30''$ for powerpoint for $90''$ straps

$5 \times 1 \times 36''$ for other powerpoint at front

$5 \times 1 \times 24''$ for middle of powerpoint

$2 \times 3''$ of thin white webbing

CUT $70.5''$

- mark, add relevant lines on L side (wrong side) of fabric.
- make sure to move two strap markings and two tuck marks down by $1.6''$ until pattern got adjusted.
- turn over fabric and mark dot in middle for $2''$ webbing.
- cut straps (see above)
- cut fabric

SEW

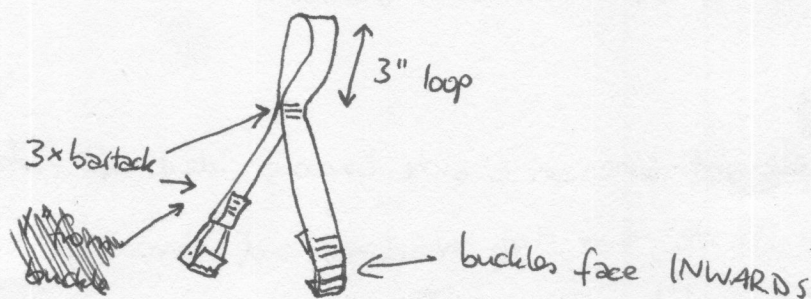
- hem along hemline
- attach seamtape to all that is not hemmed.
- sew on all straps except for $2''$ and $3''$ webbing (7 in total)

on WRONG side of fabric {

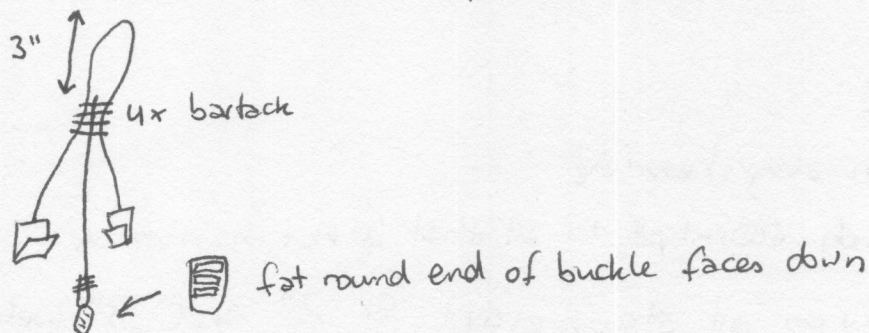
- $9.5''$ straps: $3 \times$ bartack at end of strap. ~~fold over loose end and 3x bartack.~~ (create loop for g buckle)
- $90''$ straps on corners. $3 \times$ bartack at end.
- $50''$ middle strap starts midway through $3''$ webbing.
- $72''$ straps: ~~fold over diagonally~~ ^{overlap} at ends to align with line.

- sew $2''$ webbing to RIGHT side of fabric, folding over in middle. at ends, fold over and tuck in thin white webbing to create a small loop.

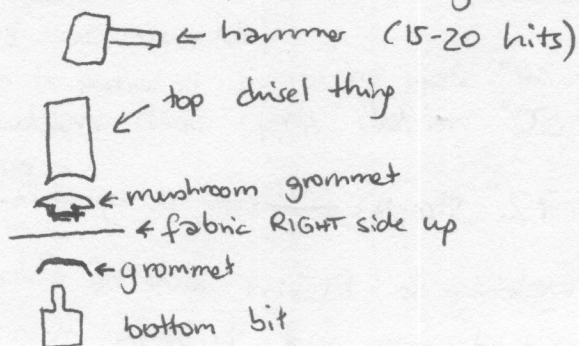
- attach 11.5" straps for buckles on RIGHT side of fabric at top of 2" webbing. fbd over at ends, 3x bartack. Put buckle on, fbd over at end and bartack once.
- sew tucks
- sew 3" webbing to WRONG side of fabric. Fold over ends, bartack when sewing over middle strap.
- fold over flaps and attach with two seams each.
"double fold" at corners: fbd over, stitch, fold back, topstitch
- make powerpoint for 90" straps from 30" strap:



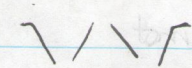
- attach powerpoint to 90" straps: make sure straps are not twisted, feed through back of ~~back~~ buckles, sew 5" grabloops (3x bartack)
- make powerpoint from 36" strap with 24" strap in middle:



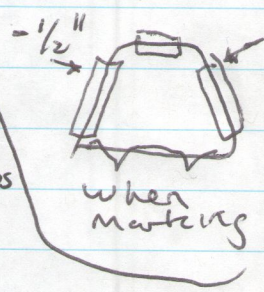
- feed 72" straps through backs of buckles, make 5" grabloops
- sew patch on
- make drainage hole: assembly:



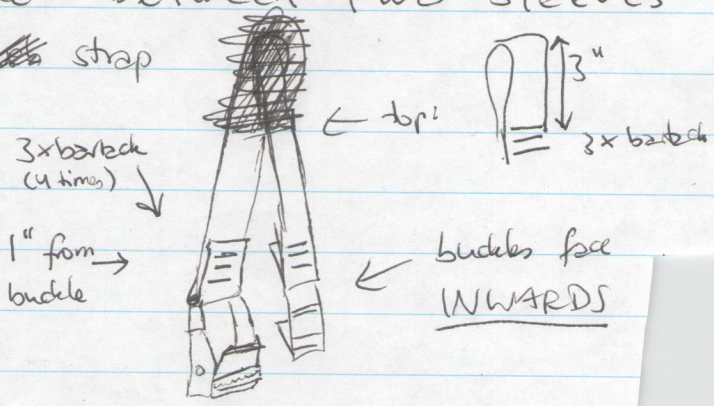
TRAPEZIUM

- when cutting straps, use heat blade!
- Sew the ~~three~~ 24" straps (left, centre, middle) first → 72" strap
- then the diagonal straps 
- then ^{3"} webbing ~~leaves~~ (fold over ends), bartacking over all straps
- 3 buckles (on right side of fabric)
- patch (middle opposite of strap side, design readable from strap side)
- drainage hole (patch in centre) + grommet
- fold three sides in and double seam along marked line, bartacking at straps
- Reinforce "Airside" between two sleeves
- top powerpoint: 24" ~~webbing~~ strap

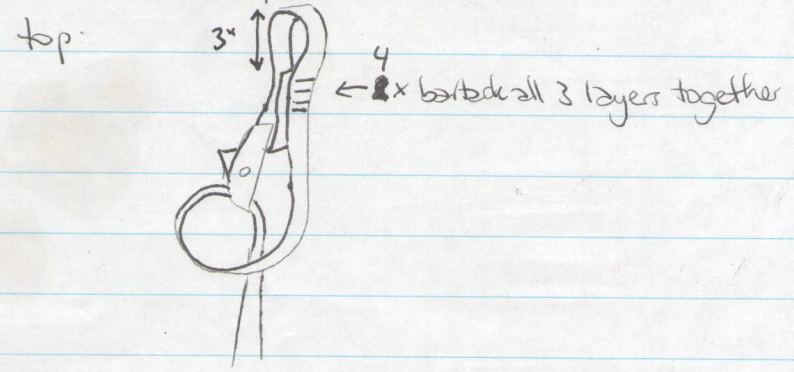
for PVC vers 10.
Pattern needs a bit of tightening at top air sides

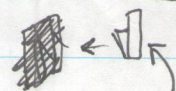


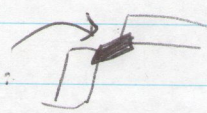
double stitch seam tape on openings!
always!



98" straps: bottom: 2" loop w/ 3x bartack

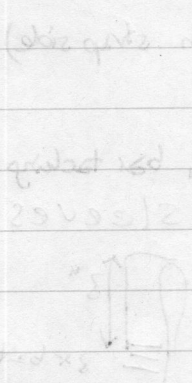


attach 90" loops to top powerpoint: feed loops through back of buckles making sure they're not twisted, then sew 5" grabloop with 3 bartacks on each side 

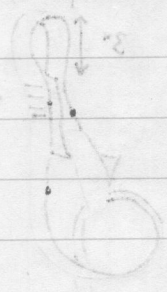
little straps of fabric between tunnels to take up stress: 

- climber's trapezium:
- 2x 24.5" ↑ thin black web for everything else
 - 4x 24"
 - 2x 90" → blue webbing
 - 1x 72" (middle) → ~~blue webbing~~ alternate
 - 2x 98" → yellow webbing
 - 3x 4"

Climber's trap: grommets and good 3" web
 artist's trap: 3" seatbelt web, no grommet



obviously!
 obvious?
 no seat
 belt webbing!



3" x 3" grommet



3" x 3" grommet
 3" x 3" grommet

3" x 3"
 4" x 5"
 5" x 5"
 1" x 5" (width)

Trapezium Fly

cut out pattern on fold, transfer marks to bottom side.

cut 34" x 9" strip of sturdy black and 2 corner patches hem corner patches

sew right side of patch to wrong side of fly, then turn over for french seam. sew edges of patch on, then close middle gap.

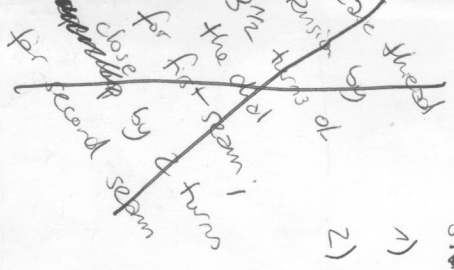
sew 34" x 9" scuff into fly: good side to good side (1 seam)

fold seam up towards line on fly (scuff is up as well) then fold apart and topstitch



mark on both ends of scuff w/ pattern piece. put in zip: pull zip apart and use one half only (other half is for next fly)

- 1) coated side to R side of fabric
- 2) fold over and topstitch



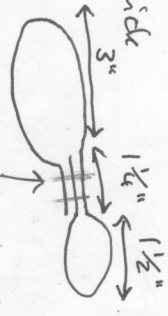
fiddle on sliders: have ends of zip at uneven lengths align bottom edges of fabric and use clamp to keep it in place

first slider faces upward (easy), second slider faces downwards (friction): pull one or two teeth apart then angle slider on



cone: 13" webbing 1" thick LIGHT ENDS TO SEAL THEM !!

5 barbacks with 4 seams each

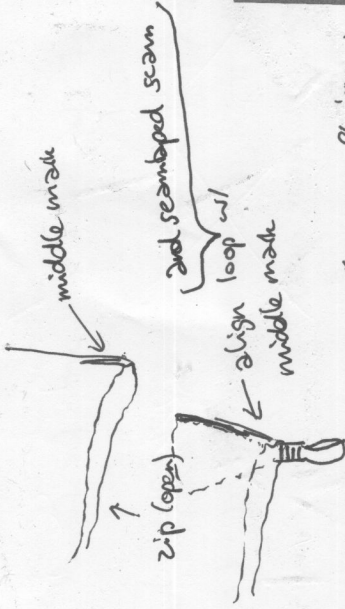


seamtape cone at round bit burn edges to seal

sew cone together, seamtape seam



Cone continued: cut opening in top of cone just ~~enough~~ ^{smaller than} for strap
 invert step: long loop on inside,
 align w/ scambped seam, then sew at top

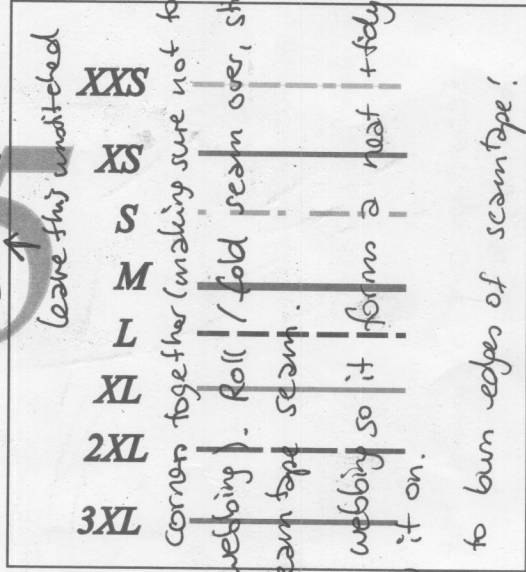


• turn fly inside out

• insert cone into fly

• stitch 2-3 times (2 rows stitching each) across the green fly as zip (just past the barteked section of loop 2-3 bartacks!!!)

• Sew corners: 3" webbing on R side of fabric. Seam stitch to mark



• then sew corner together (making sure not to catch the 3" webbing). Roll / fold seam over, stitch again. Seam tape seam.
 • align 3" webbing so it forms a neat tidy corner, then sew it on.

remember to burn edges of seam tape!

• add ~~seam~~ ties to bottom of zip into hem: 2 x 16" (13" + 3" in ~~seam~~ hem)

• 2 x 24" of thin white webbing in outside corners (to tie to frame of cage)

• hem: roll fly material over twice. Seam tape at corners for tidyness. black stuff: only 1 fold

Logo: 160°C

press 4 sec (preheat)

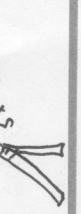
put logo on, press 5 sec

let it cool, pull foil off

put paper on top, press 4 sec done!

X-Long Length

→ seam tape (3 1/2") on top



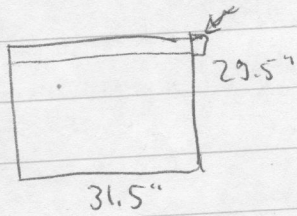
OCTAPOD FLY STEPS

- mark pattern on fold, transfer marks over to other side
(mark 3" webbing, tucks (8 total) and round patches (6 total)
(mark one side, then cut both layers of fabric, then transfer marks)
- cut 6 round patches
- put zip in as for Trapezium Fly
- fiddle on sliders
- attach two 16" nylon strings to bottom of zip: sew string onto excess of zip, then tuck zip in and fold fabric over, sew again. Baste near zip.
- put the two smallest tucks in (on L side), then sew 3" webbing onto RIGHT side of fabric, tucking the ends in
- sew round patches to RIGHT side of fabric
- sew tucks in all patches on L side
 - sew tuck
 - cut off, leaving ^{1.5} 1.5 cm (smallest tuck: don't cut, just fold over sew. No seamtape)
 - fold over + sew
 - seamtape on top
- sew 2 x 18 inches of nylon string, each folded over, ^{at upper corners of 3" webbing} just above tuck in 3" webbing on L side. 3 x baste.
- hem (small, fold over 2x)
- sew cone as for Trapezium Fly, BUT: ~~attach~~ attach fly and cone separately to ^{centre strap} ~~centre strap~~, with small gap in between (as per model) to prevent bunching; attach cone just above the bastes of doubled up strap, with small gap.

FRAME: assemble, feed shock cord through with help of clamps. Tie cord with double fisherman's knot and shove knot into one of the longer tubes.

HAULSACK FOR OCTAPOD:

Top closure: use metal hook buckle

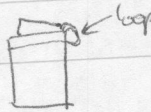


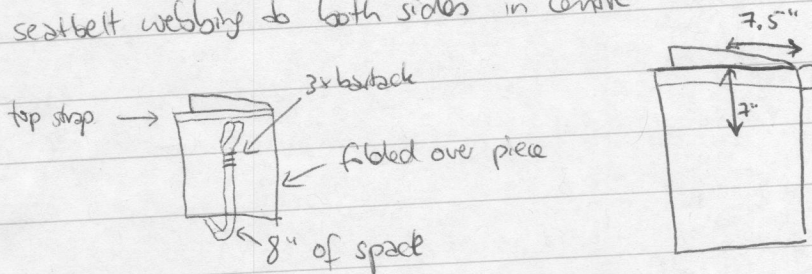
Top strap from thick webbing (yellow or blue):
 $31.5" + 1.5" \text{ for loop} \rightarrow \text{~~33.5"~~ 33.5"$

Attachment to buckle strap: $\rightarrow 10"$ (might be shorter)

Clip points w/ yellow thin seatbelt webbing

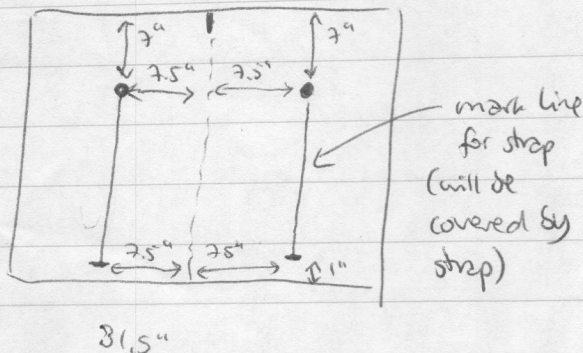
$16" + 16" + 21.5" + 21.5" + 8" + 2" \text{ for just in case} = 85"$

- Attach top strap, leaving small loop for buckle halfway through \rightarrow 
- Attach seatbelt webbing to both sides in centre



- Turn inside out, sew closed (into a roll), bartacking and enclosing 10" strap in top (double seam)
- Attach bottom oval with 1" seam allowance (double seam)

Markings on pattern:
 middle (only marked at top)

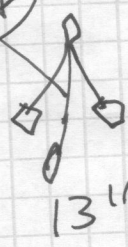


PUT MARKS ON R SIDE OF FABRIC!!!

CUT SHEET OCTAPOD

THICK

- TOP SUSPENSION (25" ~~30"~~ x 2)
- THICK 1" web on wall
- Top fly clip-in - Use best 1" web

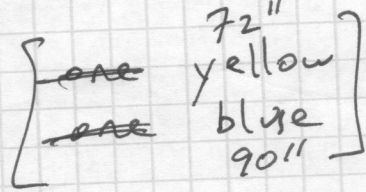


yellow one has extra w/ metal fastener 20"
x 2
one yellow
one blue

BED - Main Suspension

THICK

- 2 @ 72"
 - 2 @ 90"
- } Thick stuff on wall



switch these per batch of 5

MED

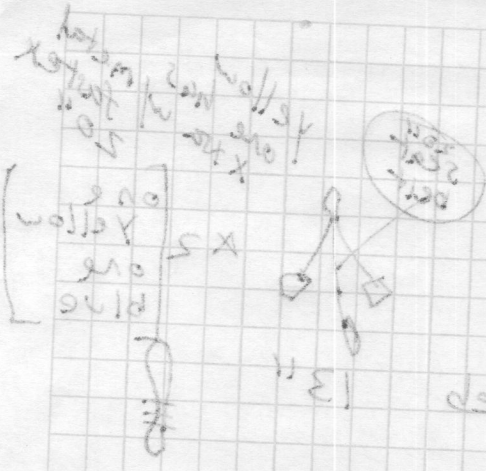
- 2 @ ~~10"~~ 11.25" for buckle
(sewn into 2") green



THIN (seatbelt)

- yellow 1" seatbelt 9"
2 @ ~~8.5"~~ 9" - loop for buckle
- 2 @ ~~12"~~ 11.5" (NEW) - wall side fin
- 1 @ ~~45"~~ 50" wall side fin - use w/ metal fastener
- (1 @ 20" for Top Suspension)
- Also 2" + 3" sewn

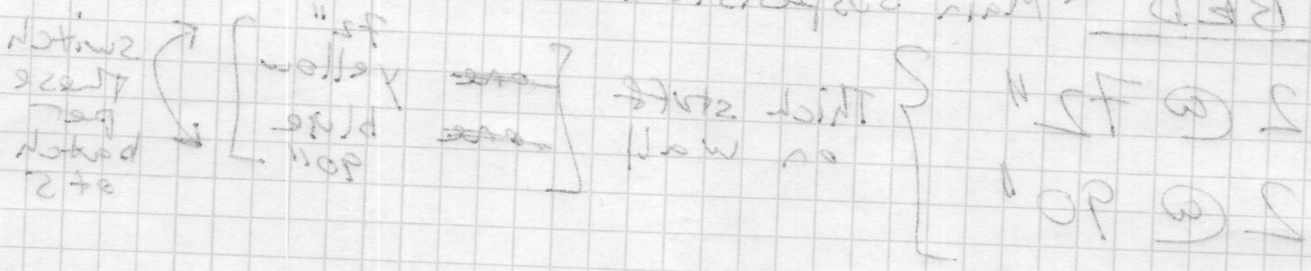
CUT SHEET OCTAPOD



- Top Fly Clip-in - Use best 1/2 web
- THICK 1/2 web on wall
- Top Suspension (3/4" x 5)

ADJINT

BED - Main Suspension



ADJINT

2 @ 10" for buckle
(room into 5") beam



CEM

Also 2" x 3" beam
 2 @ 20" for Top Suspension
 1 @ 20" Wall side fin - use 1/2 metal
 (New) - Wall side fin
 2 @ 20" - 100" for double
 2 @ 20" - 100" for double
 Yellow
 1" centerline
 2 @ 20" - 100" for double

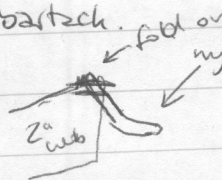
ADJINT

REVISED OCTAPOD STEPS

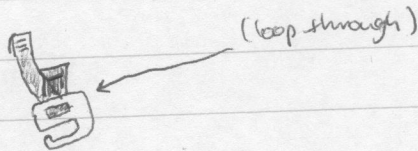
- cut straps as per "cut sheet octapod"
- sew top suspensions with buckles (one with and one without middle strap)
- cut fabric *
- mark hemlines, curves (4x) at stress points, lines for webbing
- remember grommet mark in middle and 2" webbing marks on R side
- sew hemline
- sew straps:
 - 12" straps first
 - 9" overlapping the 12", then fold back to create loop for buckle
 - 72" webbing overlapping seam edge at beginning
 - 90" webbing

- 50" middle strap: attach so it will be covered by 3" webbing

• attach 2" webbing to R side of fabric. Fold in ends and enclose 12" blue + white nylon strings. Fold nylon strings over so they point in right direction and bartack. SINGLE NYLON STRING! NOT DOUBLED UP!



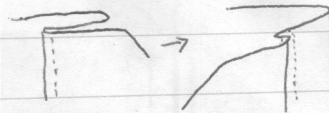
- attach green 10" straps for buckles on RIGHT side on top of 2" webbing.
 - fold over at end, 3x bartack. Put buckle on, fold over and bartack once.



- sew tucks
- attach 3" webbing on L side. At ends, fold ~~over~~ over and bartack 3x. Bartack over straps on the way.

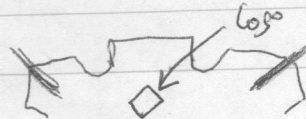


- fold over flaps and attach with 2 seams each:
- "double fold" corner flaps: fold over, stitch, fold back, stitch behind other seam



- bartack 5x when going over 90" strap
- put in grommet for drainage
- sew logo on below middle flap

→ flat bit on short holder on L side, big bit on top w/ long diawl on it



* when using thin fabric, seamtape along top half (the bit with foldovers), then double sew the curved bits between foldovers and add bartacks at ends of curved bit

OCTAPOD


Straps: 2x 72" (~~fold~~ cut diagonally at ends to fit)

2x 90"

1x ~~50"~~ 50"

2x 8.5"

~~11.5"~~

2x 8.5" for buckles (fold strap back when sewing on) 

1x 30" for powerpoint for the 90" straps

2" webbing (~~fold~~ ~~cut~~) diagonal at ends. In middle, don't cut, just fold over + keep sewing

might change

1x 36"

~~1x 18"~~

} for other powerpoint at front

1x 24" (for middle of powerpoint)

hem bits in between foldover before folding over

tucks: maybe move tuck a little to even it out - check it out after ~~cutting~~ cutting before other stuff

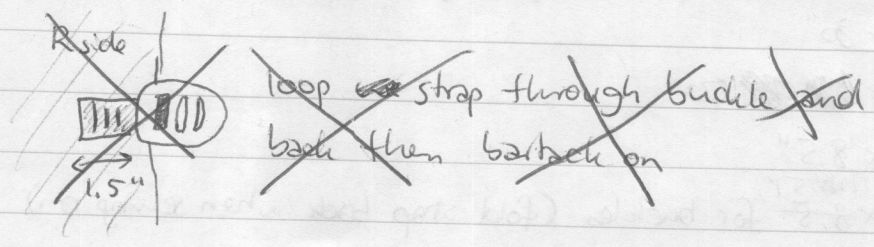
tuck 3" webbing as well & so it's smooth

STEPS

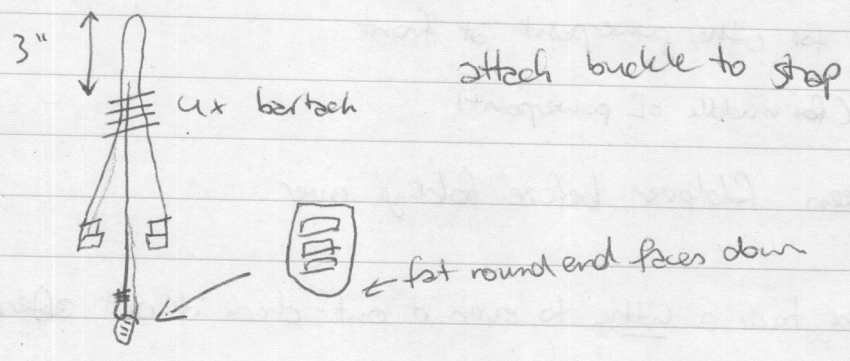
- mark, add relevant lines. turn over and add dot in middle for 2" webbing
- cut straps (see above)
- cut fabric
- make little hems (6 in total - double fold over and sew)
- sew on all straps ~~and~~ except for 2" and 3" webbing (7 in total)
 - the 8.5" straps start midway through the 2" webbing so buckle strap can be sewn on more easily; 3x bartack at ends of straps
 - 60" middle strap starts midway through 3" webbing
 - 72" straps: ~~maybe~~ sew the ends in without cutting? → ~~ATK JEN~~
 At ends, tuck in 12" of orange nylon string.
- sew 2" webbing to RIGHT side of fabric, folding over in middle, orange nylon string.
- attach 8.5" straps for buckles on RIGHT side of fabric at top of 2" webbing
 - fold over at ends, 3x bartack. Put buckle on, then fold over at end and bartack
- sew tucks
- sew 3" webbing, tucking to make it fit along marks. At ends, fold around 8" straps, leaving small loop for hook to go into. Bartack 3x. Bartack over middle strap.

- fold over flaps and attach with two seams each: "double fold" at corners - fold over, stitch, fold back ~~stitch~~ stitch behind other seam
- sew tape to stem points at edges of hems
- make powerpoint for 30" straps: same as Trapezium powerpoint but with 30" strap
- attach powerpoint to 30" straps: make sure straps are not twisted, feed through back of buckles, sew 5" grabloops (triple bartack)

- middle strap: ~~36" strap~~
36" strap



- make powerpoint from 36" straps with long strap (24") in middle:



- feed 72" straps through backs of buckles, create 5" grabloops
- put patch on centre strap