

RESTRAINT OF LEATHER SEAT
CUSHIONS DURING APPENDIX
(F) SEAT CUSHION (FIRE BLOCK)
TESTING

BACKGROUND ON CUSHION TESTING

- SURVIVABLE CRASHES - FATALITY FROM FIRES
- 1986 REGULATION BECOMES EFFECTIVE
- POSITIVE RESULTS FROM RULE

FIRE BLOCKING WITH FABRIC

MATERIALS EVOLUTION

- FIRE HARD FOAM
- VARIABILITY OF RESULTS WITH LEATHER
- FULL CABIN USE OF LEATHER IN TRANSPORT TYPE AIRCRAFT
- “LEEWAY” IN RULES AND GUIDANCE ON FASTENING – EFFECT ON PASS OR FAIL

LEATHER – “GOOD” PERFORMANCE

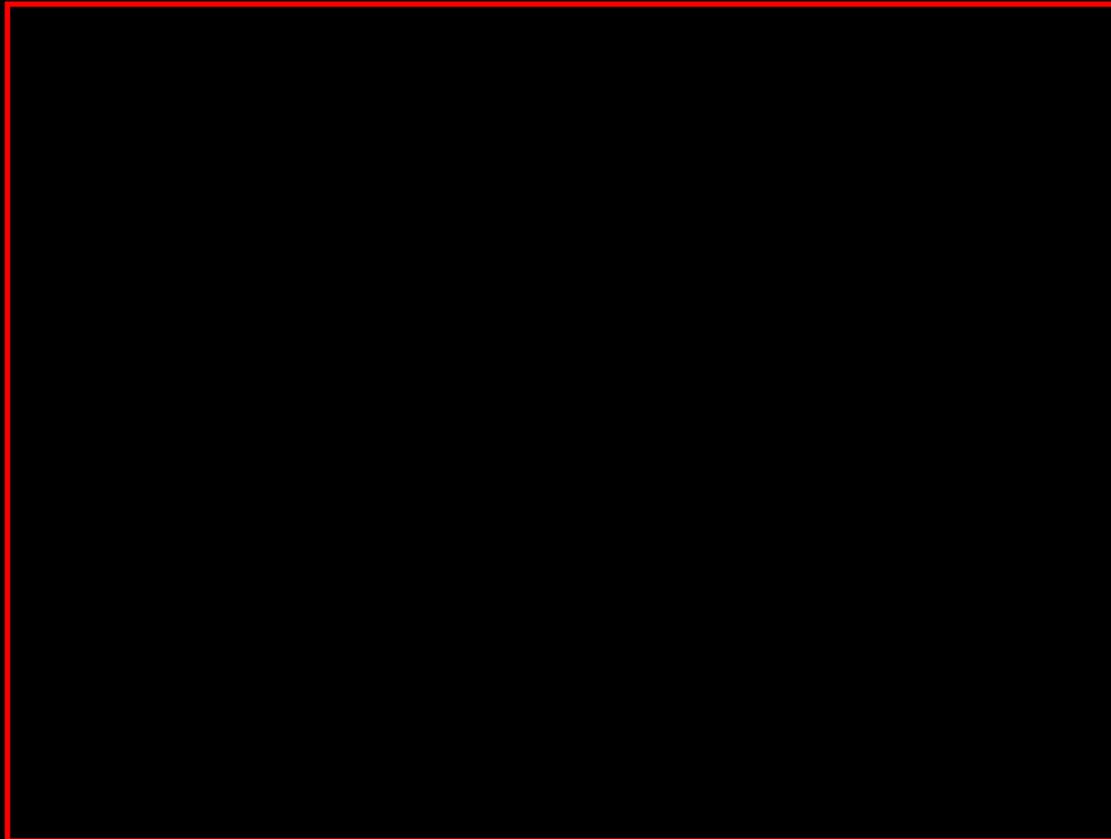
LEATHER – “POOR” PERFORMANCE

OBJECTIVES

- REVIEW OF AVAILABLE INFORMATION ON THE SUBJECT
- SURVEY - REAL WORLD FASTENING METHODS
- SURVEY - LAB FASTENING METHODS
- RESEARCH – LEATHER OR TOP-COAT SHRINKS?
- EXPERIMENT – VELCRO FASTENING
- PROPOSE “PREFERRED” FASTENING TO FAA
- ROUND ROBIN, “PREFERRED METHOD”

REVIEW OF AVAILABLE INFORMATION

- GOOGLE TOPIC:
- LEATHER RESTRAINTS
- VIDEO:



REAL WORLD FASTENING



EXPRESS JET – SINGLE CLASS

REAL WORLD FASTENING



DELTA - FIRST

REAL WORLD FASTENING



DELTA - COACH

REAL WORLD FASTENING



USAIRWAYS - FIRST

REAL WORLD FASTENING



USAIRWAYS - COACH

REAL WORLD FASTENING



CONTINENTAL - FIRST

REAL WORLD FASTENING

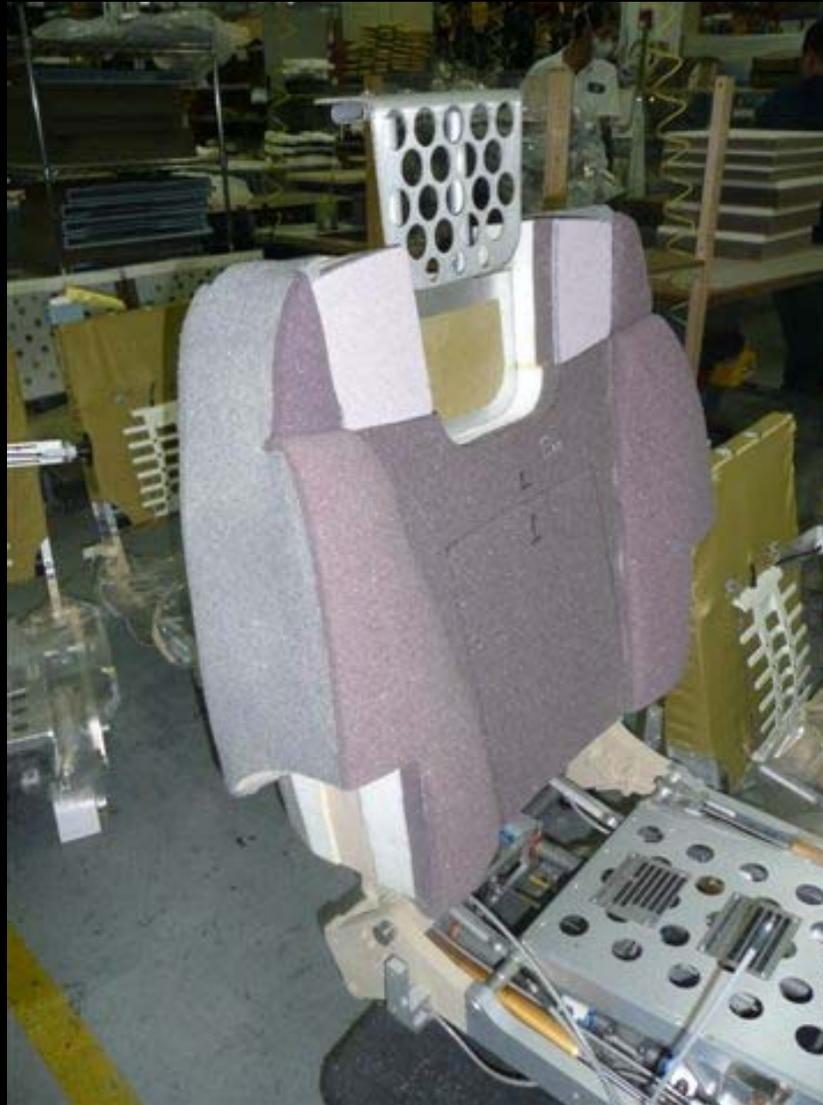


REAL WORLD FASTENING



B/E AEROSPACE

REAL WORLD FASTENING



B/E AEROSPACE

REAL WORLD FASTENING



B/E AEROSPACE

LAB FASTENING METHODS



LAB FASTENING METHODS



LAB FASTENING METHODS



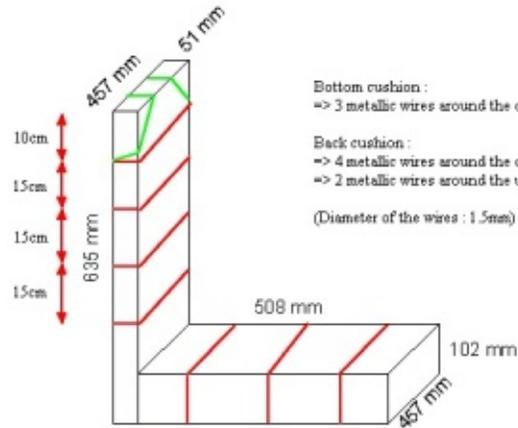
LAB FASTENING METHODS



LAB FASTENING METHODS

Oil Burner Test For Seat Cushions

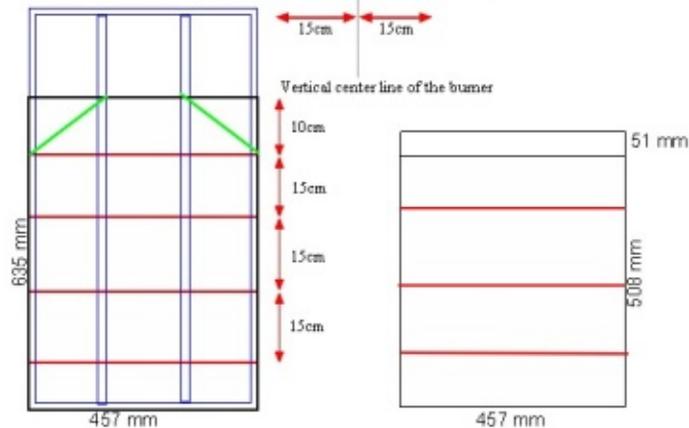
(Use this sheet for your preferred fixation method of fabric)



Bottom cushion :
=> 3 metallic wires around the cushion

Back cushion :
=> 4 metallic wires around the cushion
=> 2 metallic wires around the upper corners

(Diameter of the wires : 1.5mm)



Backsight Back Seat Cushion

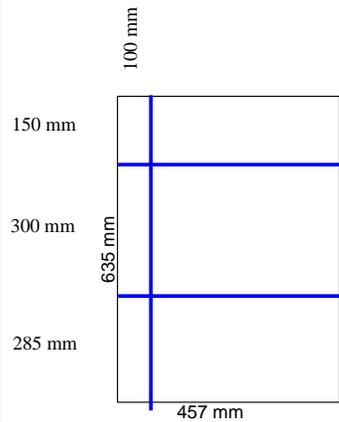
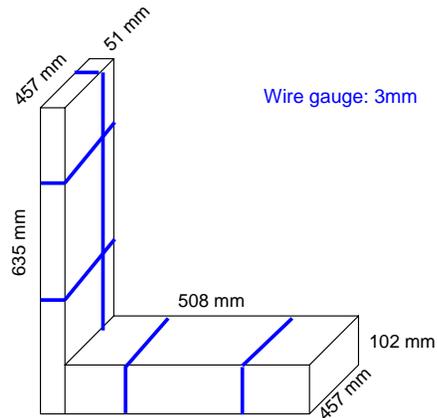
Bottom Sight Seat Cushion

Sideview

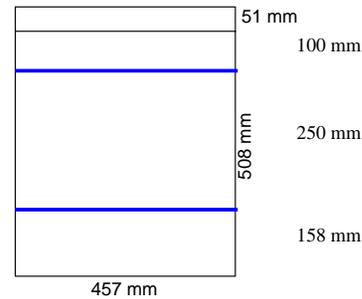
Sideview

LAB FASTENING METHODS

Oil Burner Test For Seat Cushions (Use this sheet for your preferred fixation method of leather)



Backsight Back Seat Cushion



Bottom Sight Seat Cushion

Sideview

Sideview

LAB FASTENING METHODS

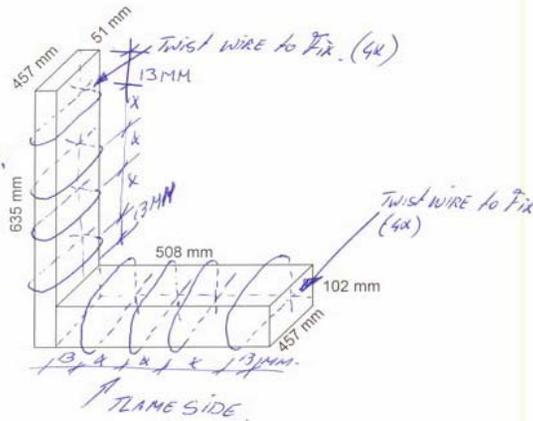
MR. A. J. BURGER. *Rectical Aviation. Kesteren The Netherlands.*

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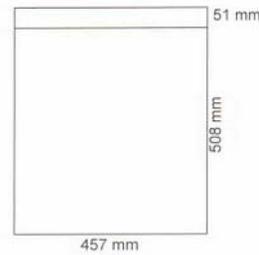
Oil Burner Test For Seat Cushions

(Use this sheet for your preferred fixation method of leather)

MAX 4 WIRE FOR SEAT and 4 WIRE FOR BACK cushion.



Backsight Back Seat Cushion



Bottom Sight Seat Cushion

Sideview

Sideview

WHAT'S NEXT

- COMPLETE INFO ON HOW LABS FASTEN COVERS (EMAIL – 30 DAYS)
- RESEARCH BURNS (ACCUFLEET + ??, 60 DAYS)
- AGREE ON “PREFERRED METHOD” (EMAIL – 90 DAYS)
- ROUND ROBIN – AFTER NEXT MEETING

QUESTIONS?

