

alor

x

CALUM HURLEY

'PERCH BENCH' ASSEMBLY INSTRUCTIONS

DO IT OURSELVES

THE DESIGN BRIEF

Each 'Do It Ourselves' project has been crafted by local designers using materials sourced entirely from their local hardware store, often from Bunnings. These designs serve as a challenge to inspire the public to get hands-on and create their own furniture pieces.

Each project has been designed to require only basic hand tools, making them accessible for anyone with a basic skill level. Additionally, all projects have been developed with a cost cap of \$150, ensuring they remain affordable and achievable for everyone

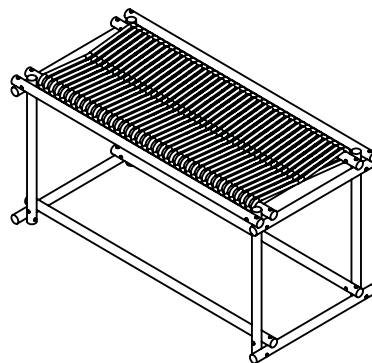


ABOUT THE DESIGNER

Calum Hurley is a Melbourne-based designer. With a background in Interior Architecture and as an alumni of JamFactory's esteemed Associate Training Program, his practice includes furniture, object, spacial, exhibition and visual merchandising design.

ABOUT THE DESIGN

Hurley draws inspiration from the design school and movements of Bauhaus and Memphis, using primary colours, predominantly red to add vibrancy and fun to his pieces. This bench uses readily available materials from Bunnings with colour being dependent on rope colour choice; red, blue, yellow, black, or green. Though monochrome is preferred, makers can choose their own colours palettes to suit their space. Though process needs a certain level of accuracy to achieve stability, a 'have a go' approach is encouraged with hand tools at home.



COMPONENTS

5 x Porta 25.4 x 25.4mm 1.8m Tasmanian Oak Dowel
2 x Porta 6x6mm 1.2m Round Dowel Grandis
2 x Syneco 9mm x 30m Diamond Braided Polypropylene Rope
Paint (colour of choice)

SERVICES

BUNNINGS CUT SHOP SERVICES STEP 1

Total Purchase price \$138.88

TOOLS NEEDED

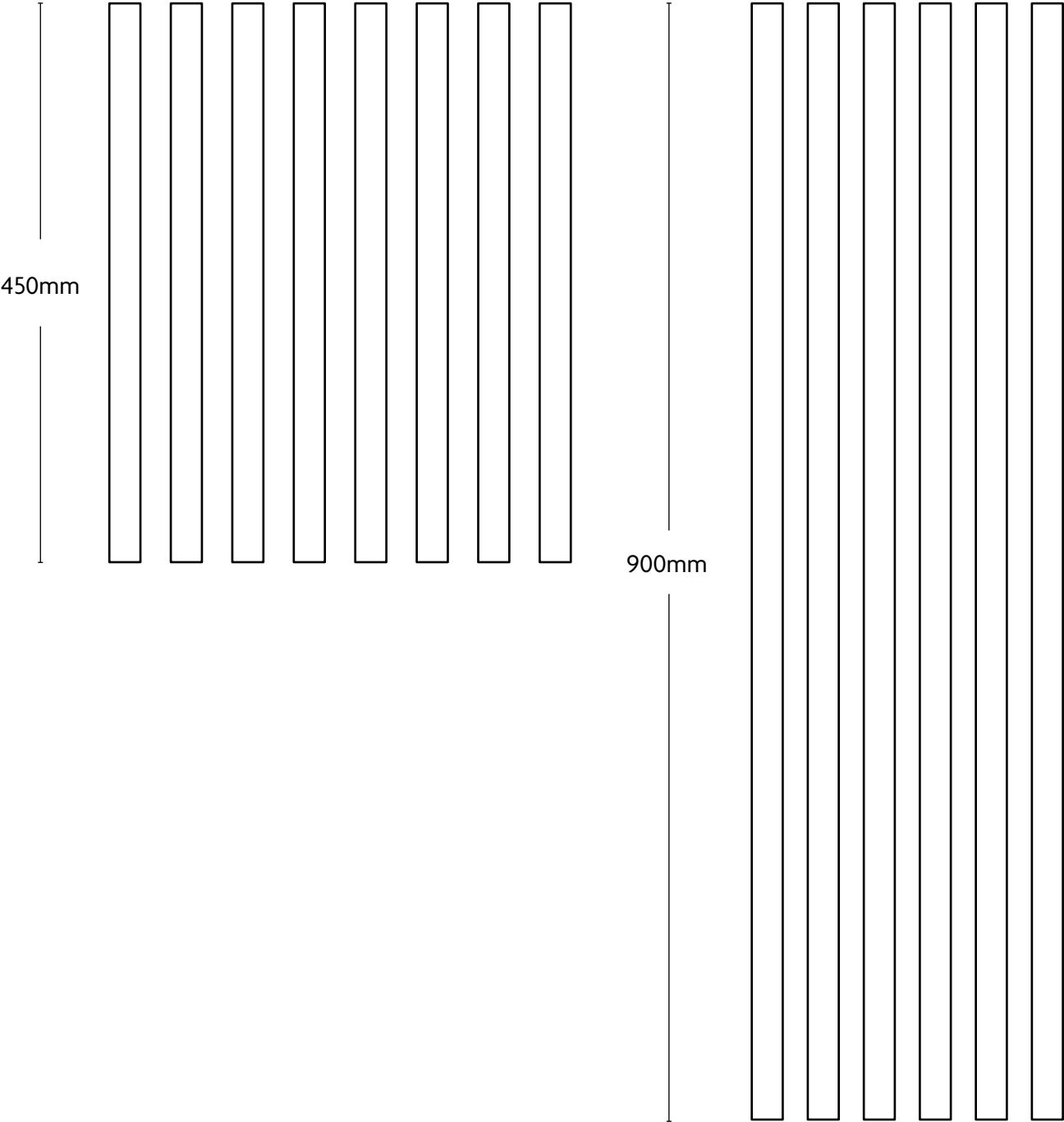
Ryobi 18V ONE+ Drill Driver Starter Kit
Hack Saw
Wood Glue
Sandpaper
Ruler
Danish Oil (optional)



BUNNINGS CUT SHOP LIST

3 x 1.8mm lengths cut to 900mm each (6 in total)

2 x 1.8mm lengths cut to 450mm each (8 in total)



STEP 1

(A) TO PREPARE THE 2 x Porta 6x6mm 1.2m Round Dowel Grandis USE A RULER AND HACK SAW TO MARK AND CUTOUT EACH OF THE LENGTHS REQUIRED:

110MM X 4
55MM X 24

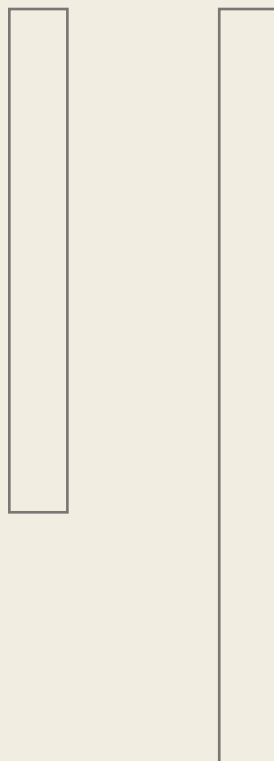
IF YOU HAVE A VICE OR TABLE AND CLAMP THIS WILL REDUCE FRUSTRATION

TIP: MEASURE TWICE, CUT ONCE



50MM

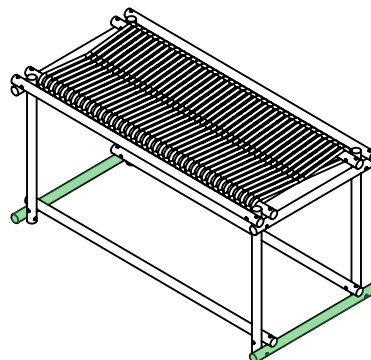
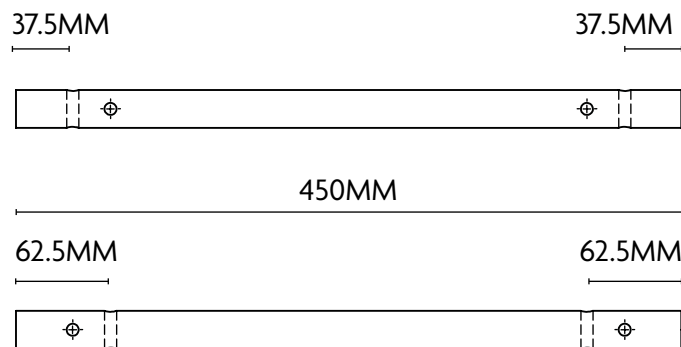
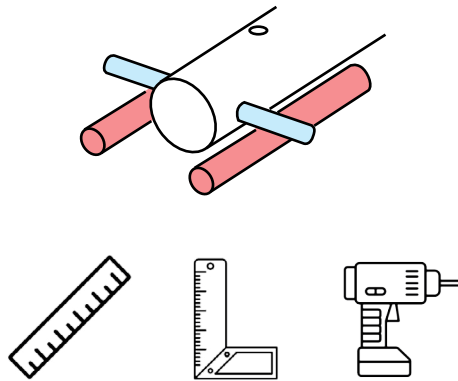
75MM



STEP 2

(B) FOR THE TWO SIDE RAILS (AS SHOWN IN GREEN BELOW) MARK THE FIRST HOLE CLOSEST TO THE END USING A RULER AND SET SQUARE. USING A DRILL OR DRILL PRESS, DRILL THE FIRST HOLE ALL THE WAY THROUGH WITH AN M6 DRILL BIT.

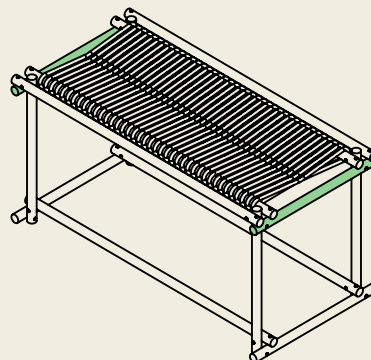
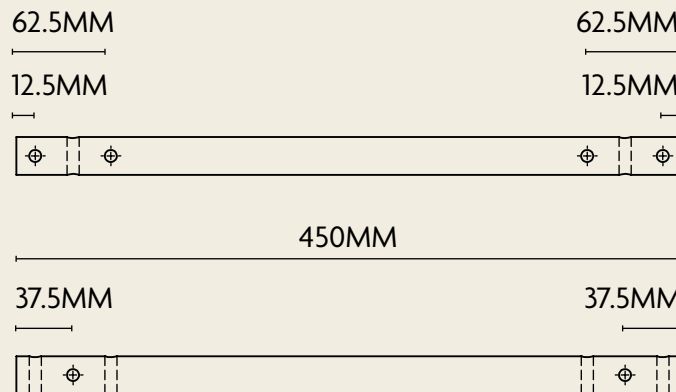
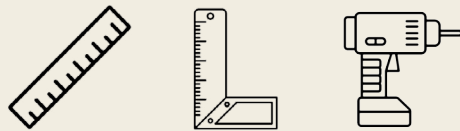
TIP: TO ENSURE THE SECOND HOLE IS PERPENDICULAR TO THE FIRST, INSERT A 6MM DOWEL (SHOWN BELOW IN BLUE) THROUGH THE INITIAL HOLE AND ROTATE THE RAIL 90 DEGREES. USING A 9.5MM DRILL BIT OR SPACER (SHOWN BELOW IN RED) SIT THE 6MM DOWEL ON THIS DRILL BIT TO LEVEL THE RAIL



STEP 3

(C) FOR THE TWO UPPER SIDE RAILS (AS SHOWN IN GREEN BELOW) MARK THE FIRST HOLE CLOSEST TO THE END USING A RULER AND SET SQUARE. USING A DRILL OR DRILL PRESS, DRILL THE FIRST HOLE ALL THE WAY THROUGH WITH AN M6 DRILL BIT.

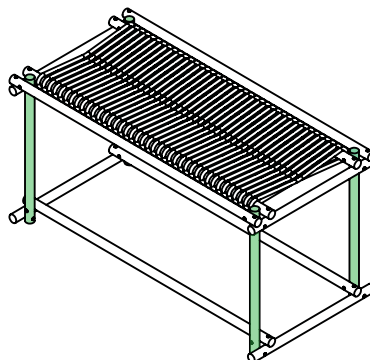
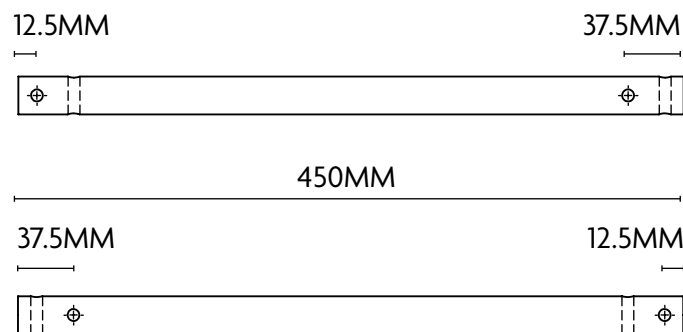
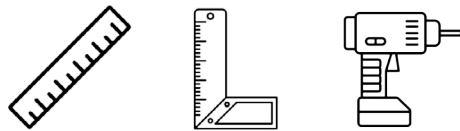
TO ENSURE THE HOLES ON THE PERPENDICULAR FACES ARE ALIGNED FOLLOW THE TIP ON PAGE 5.



STEP 4

(D) FOR THE FOUR UPPER SIDE RAILS (AS SHOWN IN GREEN BELOW) MARK THE FIRST HOLE CLOSEST TO THE END USING A RULER AND SET SQUARE. USING A DRILL OR DRILL PRESS, DRILL THE FIRST HOLE ALL THE WAY THROUGH WITH AN M6 DRILL BIT.

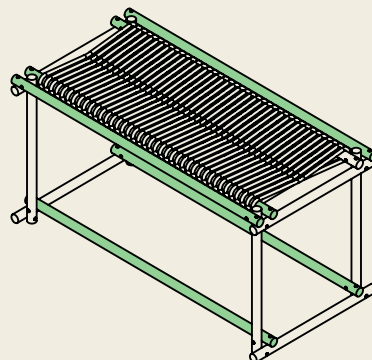
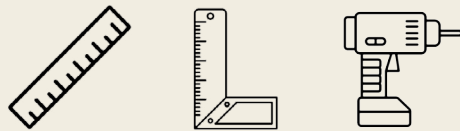
TO ENSURE THE HOLES ON THE PERPENDICULAR FACES ARE ALIGNED FOLLOW THE TIP ON PAGE 5.



STEP 5

(E) FOR THE SIX LONG RAILS (AS SHOWN IN GREEN BELOW) MARK THE FIRST HOLE CLOSEST TO THE END USING A RULER AND SET SQUARE. USING A DRILL OR DRILL PRESS, DRILL THE FIRST HOLE ALL THE WAY THROUGH WITH AN M6 DRILL BIT.

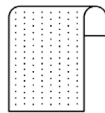
TO ENSURE THE HOLES ON THE PERPENDICULAR FACES ARE ALIGNED FOLLOW THE TIP ON PAGE 5.



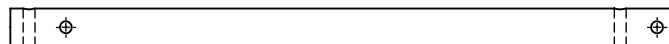
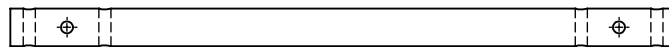
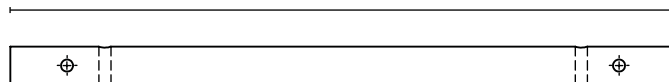
STEP7

(F) BEFORE GETTING STUCK INTO THE ASSEMBLY GIVE EACH RAIL A GOOD SANDING, THIS WILL BE MUCH EASIER AND NOW THAN ONCE THE BENCH HAS BEEN ASSEMBLED.

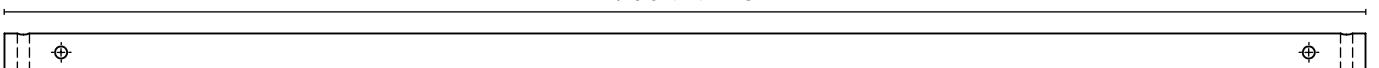
MAKE SURE TO CLEAN UP ANY ROUGH AREAS FROM THE DRILLED HOLES AND GIVE ALL PIECES A GOOD WIPE DOWN TO REMOVE ANY DUST.



450MM X8



900MM X6



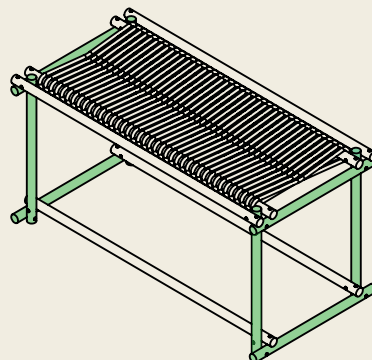
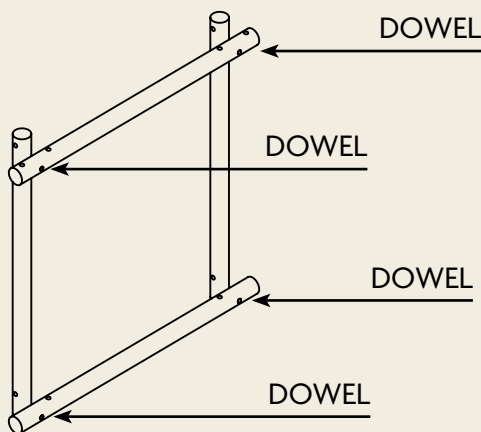
STEP 7

(G) TO BEGIN ASSEMBLING FOCUS ON THE TWO END SQUARE PROFILES (AS SHOWN IN GREEN BELOW). EACH PROFILE WILL REQUIRE TWO LEGS, 1X SIDE RAIL, 1X SIDE UPPER RAIL AND 4X 50MM DOWELS.

TO FIX THESE COMPONENTS TOGETHER, APPLY A DOLLOP OF WOOD GLUE TO THE INSIDE OF THE HOLES THAT WILL BE JOINED AND APPLY A SMALL AMOUNT OF PRESSURE TO HOLD THE DOWELS AND RAILS INTO POSITION.

TIP: BEFORE GLUING MAKE SURE THE ORIENTATION IS CORRECT.

:USING A SET SQUARE MAKE SURE THAT THE PROFILES ARE SITTING AT 90 DEGREES

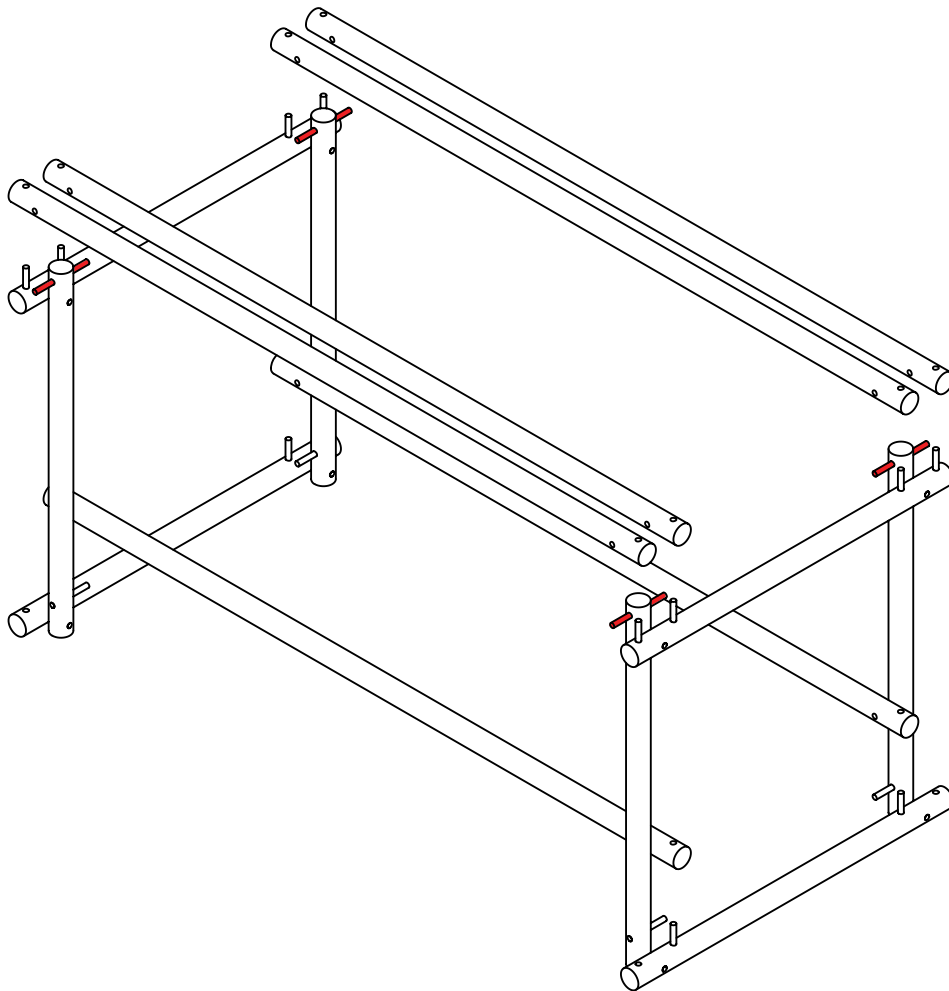


STEP8

(H) TO COMPLETE THE ASSEMBLY OF THE TIMBER FRAME, PROCEED TO GLUE AND DOWEL THE REMAINING JOINTS ENSURING THAT THE CORRECT LENGTH DOWELS ARE USED FOR EACH INTERSECTION.

NOTE: THE 4X 75MM DOWELS ARE INDICATED IN RED BELOW

TIP: WHEN ATTACHING THE LAST 900MM RAILS TRY TO ENSURE THAT ALL PROFILES ARE 90 DEGREES BY USING A SET SQUARE OR BY ASSEMBLING THE BENCH AGAINST A CORNER OF A ROOM.

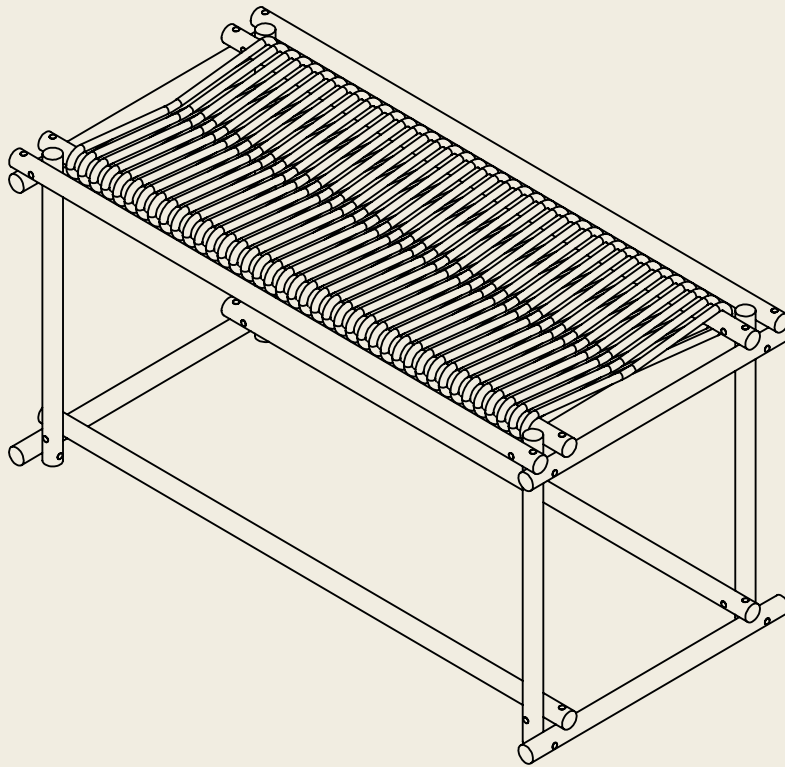


STEP9

(I) ONCE THE GLUE HAS DRIED YOU ARE READY TO PAINT AND OIL YOUR FRAME.
PLEASE FOLLOW THE INSTRUCTIONS ON YOUR PAINT AND OIL.

LASTLY, ONCE YOUR PAINT AND OIL HAVE DRIED (OVERNIGHT) YOU ARE READY TO WEAVE YOUR SEAT REST. CALUM HAS USED TWO LENGTHS OF ROPE FOR A SIMPLE 'OVER AND UNDER' METHOD BUT FEEL FREE TO GET CREATIVE.

AFFIX ENDS OF ROPE USING A "MONKEY FIST" KNOT AND YOU ARE GOOD TO SIT



alor

Get in touch at:
info@alor.studio

Or visit us at
Alor.designstudio/
www.alor.studio/