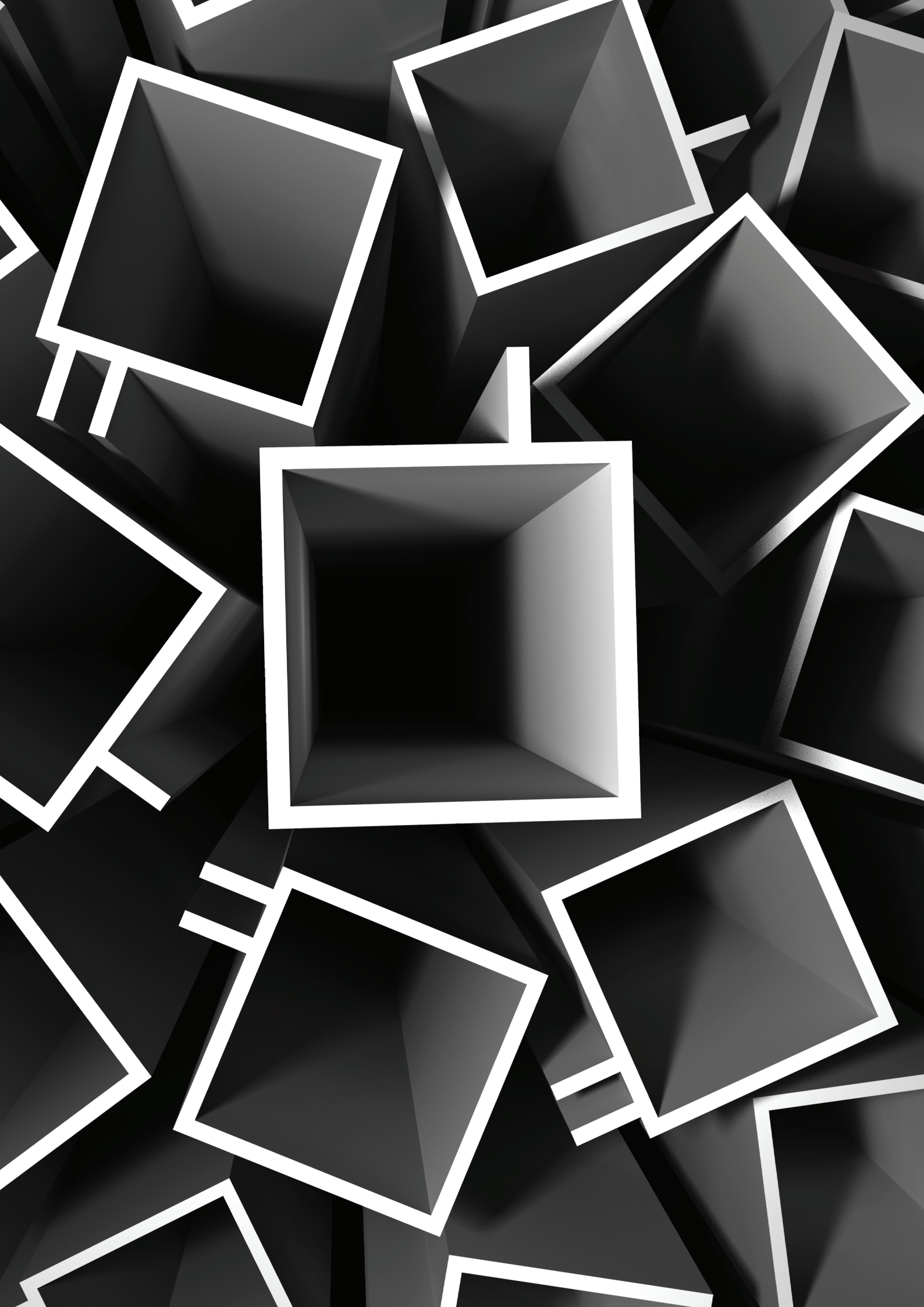


QUBELOK

MODULAR SYSTEM



CAPRAL
ALUMINIUM

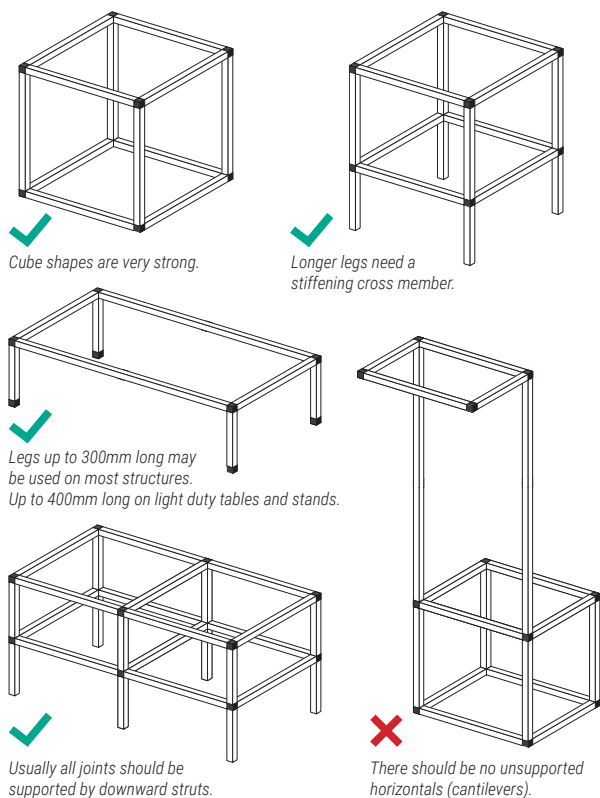


WHAT IS QUBELOK?

Qubelok is a light fabrication system of square hollow aluminium tubes and accessories, including connectors, castors and end caps. Lipped tubing allows you to insert timber, particle board, glass or perspex for shelving or surface tops. It is perfect for creating lightweight projects such as bookshelves, frames, storage and display units, stands, planter boxes, greenhouses and even animal pens. If you can think of it, you can build anything.

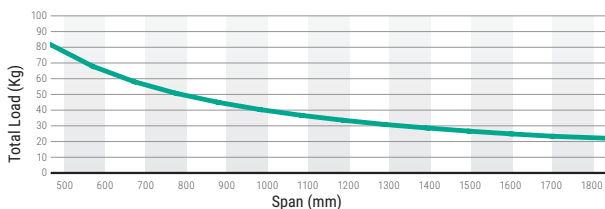
SHAPE EXAMPLES

Versatile, solid geometric combinations are possible. Shapes like those ticked below are the strongest. Connecting shapes make for the strongest units.

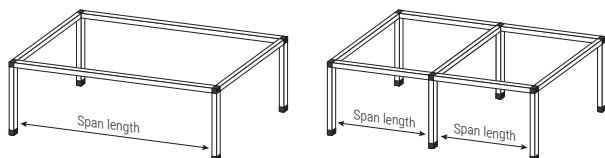


DESIGNING

Span Loads: The graph below shows the generally acceptable loads on maximum supported spans.



Span: To increase the strength of your design, simply add another vertical support.



NOTE: The maximum loads indicated in the graph above are based on a central point load on a simply supported beam and utilise a maximum stress level of 110Mpa. You should consult a suitably qualified person for its application to the particular circumstances. For example, deflection of the Qubelok extrusion has not been taken into account.

SHELVING

Qubelok lipped tubing (ET7200) is also available, which allows you to inset timber or glass shelving to suit your needs. Flip the tubing over to create a low or high set lip for a flush finish.

TIMBER

Shelves or table tops of 17mm timber or particle board fit neatly on the low set lip support.



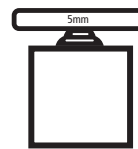
GLASS

When fitting glass or perspex, turn the lipped tubing over to set the lip height to 6mm.



BUMPONS

It is possible to support glass when using Bumpsons to cushion the glass.



ACCESSORIES AND CONNECTORS

Accessories:

BUMPONS

Small rubber buttons that sit on the tubing to cushion inset glass tops.



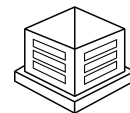
CASTORS

Fit precisely and securely into tubing to make items easy to move around.



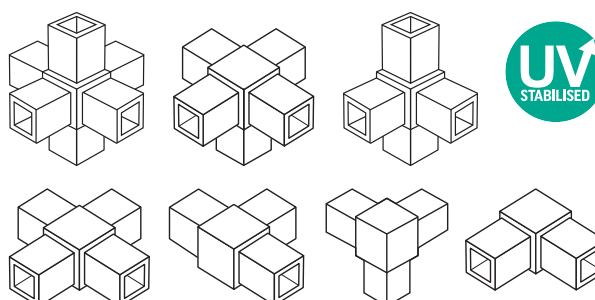
END CAPS

Finish off legs and prevent scuffing on tile, carpet or timber flooring.



Connectors:

Choose from seven different UV stabilised Qubelok connectors to create any number of combinations, for a range of design possibilities.



WHAT CAN YOU CREATE WITH QUBELOK?

Anyone can put together the Qubelok system. You can make just about anything that requires square joining and framing. All you need is the square aluminium tubing, connectors and your toolkit of a hacksaw, a file for smoothing rough edges and a tube of adhesive. The ideas illustrated on this page are just a guide to the many useful things you can custom-make with just a little imagination.





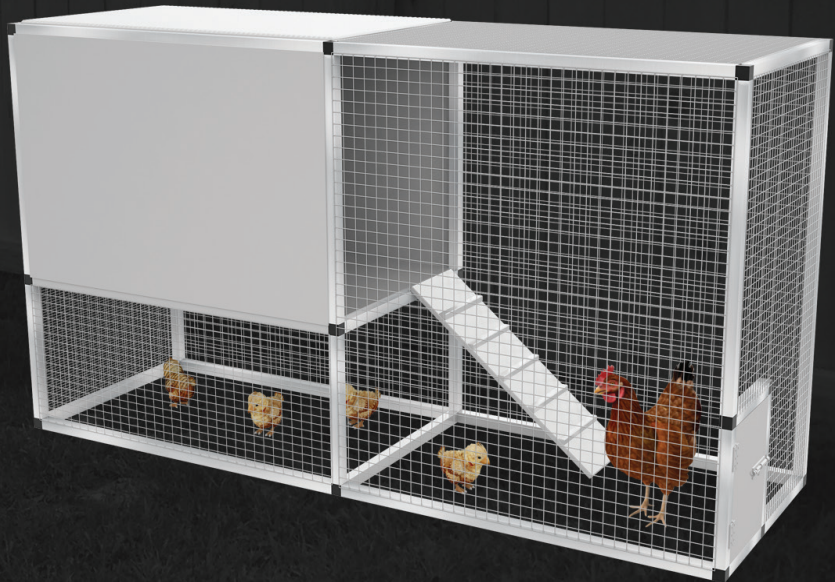
Shop display units



Work benches

A FEW IDEAS...

- Animal pens
- Aviaries
- Tanks for reptiles
- Toolboxes
- Storage boxes
- Drawer systems
- Frames for signage
- Greenhouses
- Side tables
- Coffee tables
- Ute Tray Camper frames
- Caravan storage
- Protective cages for vehicles
- ...and lots more.



Work vehicle storage



Be creative

BUILDING A QUBELOK SYSTEM

Qubelok is not a heavy-duty industrial system; it is just for domestic, office and retail use. Below is some general information to help you assemble a system, with handy tips to consider. You should consult a suitably qualified person for its application to the particular circumstances. As a general rule, the longer the span between connectors, the lighter the load should be; refer to the span loads and lengths for acceptable limits.

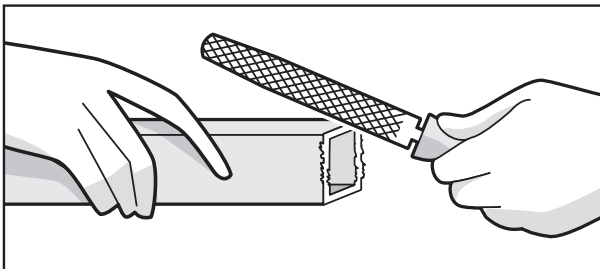
PUTTING IT TOGETHER

For a neater, professional finish, always cut aluminium tubing when it is clamped, held in a vice or by using a mitre box. Use a hacksaw or a coping saw to cut.

1. Mark and cut aluminium tubing to length, making sure you follow your sketch.
2. Lay out the components on the floor in a rough plan of the finished project, checking that you have all the components required.

Follow your sketch drawings and try to visualise the unit in its finished form.

3. Ensure that the inside of the cut ends are clean and free of burrs. Usually, a pen knife or file will do the job. Be careful of cuts from sharp edges.
4. Join the connectors and tubing to make all the vertical lengths first. Stand the lengths beside each other to check that all the connectors are positioned correctly.

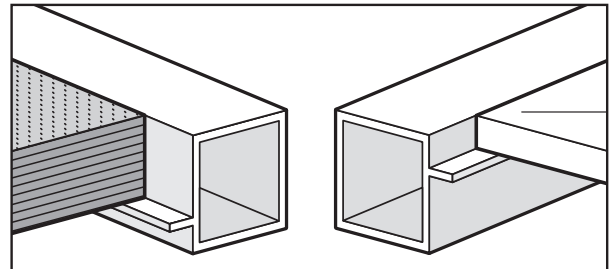


Use a pen knife or file to clean sawed edges of burrs

5. Make one side of the frame by joining the horizontals to the completed verticals.

Often horizontals will be shelf support lengths (lipped section ET7200), so make sure the lip is positioned correctly. High for glass or perspex and low for timber. See diagram below right.

6. Repeat the process for the other side of the frame, checking as you go to match connectors and shelf support tips.
7. Join the completed front and rear sides together until shelf sizes have been checked. Leave a little space for easy insertion of shelves.
8. When you are sure the shelving fits precisely, tap the frames firmly and evenly together and fit shelving.



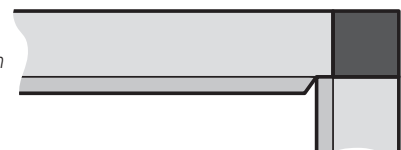
Qubelok lipped tubing positions

HANDY HINTS

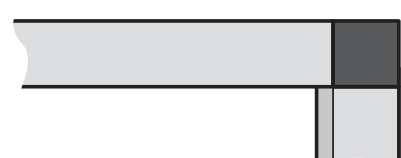
- Apply adhesive directly to the inside of the tube ends. A continuous, thin ribbon of glue around the four side edges is best. An adhesive such as Selleys Urethane Bond or equivalent is recommended.
- Make sure that all connectors are positioned correctly prior to glueing and tapping into place.
- To avoid damage, use a rubber mallet or plastic hammer.
- When using castors, it is usually easier to leave these until last.
- To prevent tube ends from scuffing against floor surfaces, use end caps.

- Corners: By using the lipped section (ET7200) on two opposite sides and the plain sections on the other sides, the need to "notch" the support lip is removed (see below).

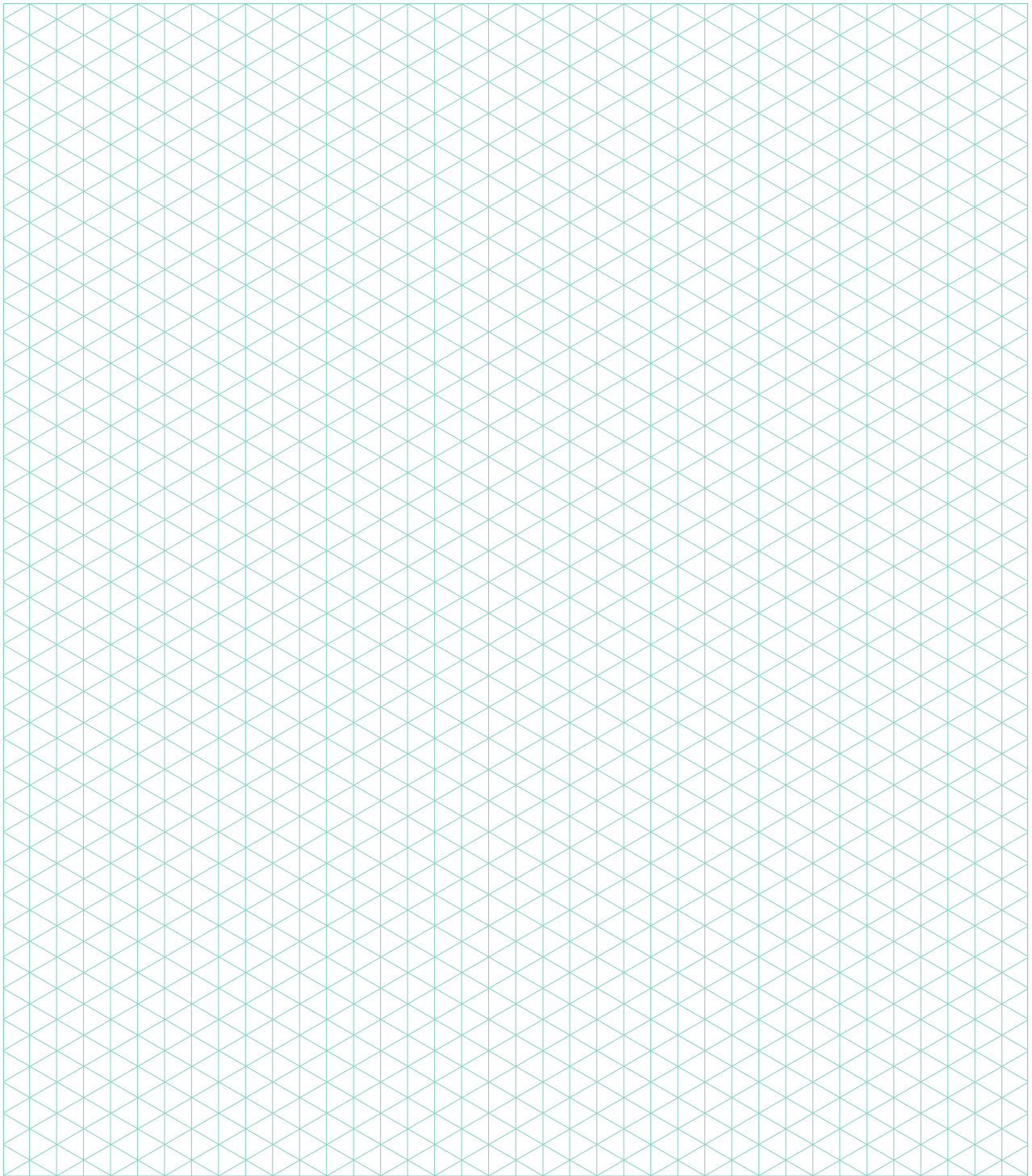
✗ Lip notched to join with a lipped section



✓ Plain section (top) joined with a lipped section (right).



QUBELOK PLANNER



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