

Wood Chair Construction

KELLEX'S LOCK BLOCK CONSTRUCTION

Corner blocks are finger jointed into seat rails.

Competitor's Standard Corner Block

- This type of construction only allows for 30% adhesion when gluing the end-grain to the side-grain of the wood where the side rail and corner block meet.



The connection of the seat rails is the foundation of a chair's strength. Our Lock Block construction creates the most stable chair base, even under extreme stress, making the entire chair exponentially stronger. Lock Block Construction also more than doubles the glue bond surface allowing for greater adhesion. The seat frame will not flex out of its intended shape and will transfer stress to other points of the chair.

MORTISE AND TENON

This is the second most common wood joint.

- This traditional frame joinery method reduces the chance for joint failure when properly machined and constructed.

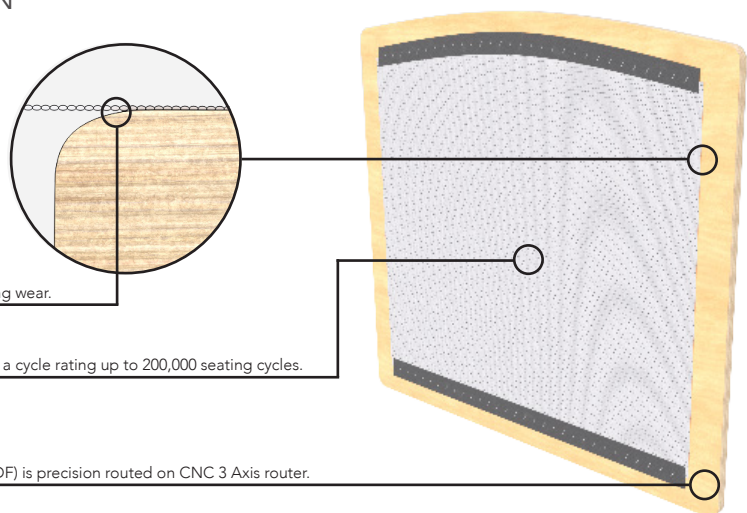


HARDWOOD SEAT BOARD CONSTRUCTION

All internal edges are eased in order to reduce webbing wear.

Upgraded sheet webbing is applied with overlapping staples. Webbing has a cycle rating up to 200,000 seating cycles.

Hardwood plywood seat board (not MDF) is precision routed on CNC 3 Axis router.



Note: Type of chair construction depends on seating style. View product spec sheet for additional information.