TECHNICAL SPECIFICATIONS

Wood Frame Construction
Seat frames are constructed of 3/4” laminated hardwood plywood that is CNC cut with 5/4 maple cross rails. Ottomans are constructed of 3/4” laminated hardwood plywood. All mainframe joints are nailed and glued. Stress points are further reinforced with the use of glue blocks that are stapled or screwed in place. Plywood is assembled with notch and pocket type connections.

Sled Base Construction
All legs are constructed of 1” O.D. x 16-gauge round steel tubing welded to 14-gauge steel mounting plate and secured to the frame with 16 #10 x 1 1/2” steel pan head wood screws. Optional glides are clear Polycarbonate press-fit to the underside of the metal tubing.

Wood Arm Cap Construction
Wood arm caps are laminated birch veneer plywood, glued and pressure set to shape and 1/2” total thickness.

Wood Arm Cap Finish
Exposed wood is machine sanded with 180 grit paper, followed by 220 grit paper for a smooth surface. A spray stain is then applied for an overall even color. Once the stain is applied, the wood parts are run through a burn-off oven and the wood finish is baked on for one hour at a temperature of 140° to 150° Fahrenheit. The wood is then sealed to prevent moisture imbalance. The entire arm cap is then sanded by hand with 400 grit paper for fine detailing. The final step is the application of a conversion varnish topcoat which is also run through the burn-off oven process.

Plastic Arm Caps
Arm cap tops and bottoms are 1/8” thick UL-HB rated ABS plastic, offered in 4 color choices (Sand, Wet Sand, Flannel and Warm Grey). Tops are fastened to the bottom halves with screws and anchored to the steel arm tubes.

Steel Arm Cap Support
Supporting either Wood or Plastic arm caps is 11-gauge steel tubing, 1 1/8” O.D., inserted over 7/8” O.D. 12-gauge steel tubing. The arm is tested to withstand 300 lbs static load. The tubing is fastened to the lounge frame using steel 1/4-20 bolts into steel inserts. The arm tube is also supported with the backrest tubes by a steel 12-gauge plate with welded support tubes of 1” O.D., 18-gauge steel.

Backrest Supports
Backrest supports are 1/8” O.D. 16-gauge for lounges with laminated transom, or 12-gauge steel tubing inserted over 7/8” O.D., 16-gauge steel tubing, for all fully upholstered models. Backrest supports are fastened to the wooden lounge frames using 1/4-20 steel bolts into steel threaded inserts.

Suspension - Seats & Backs
The seat is constructed with stretch strap webbing, inner woven and stapled into position. Both seats and backs are covered with a layer of FLW (reinforced non-woven fiber) on top.

Foam – Seats & Backs
The back foam has a density of 1.5 and compression of 26 lb. foam that is 3” thick and contour cut for consistency. The seat foam is 6” thick with a density of 2.5 and compression of 45 lb. A .5” super soft wrap covers the front and top of the seat.

Laminated Lounge Transom
.035 thick high pressure laminate over 15mm thick plywood. All joints glued and stapled or nailed for strength.
TECHNICAL SPECIFICATIONS (CONTINUED)

Laminated Tables Model H24T
The table panels and top are 15mm thick laminated plywood, .035 thick high pressure laminate on all sides and top. Panels are secured together using glued joints, staples and wood screws.

Docking Table Model H25DT
The Docking Table top is .035 thick high pressure laminate over 1 1/8" thick particle board and 10mm x 20" O.D. phenolic paper tube with .04 thick phenolic backer underside. Steel base is 20" O.D. formed “ disk” 1 1/8" thick with 1/4" thick steel plate counter weight. Table column is 6" O.D., 14-gauge steel, welded to 12-gauge spider plate for mounting.

Gangers
UL HB rated nylon hooks and glass filled nylon pegs are mounted to 14-gauge steel plates with thread locking screws and steel inserts. The ganging plate assemblies are mounted to the wood frame using 1 1/2" #10 wood screws.

Electrical Wire Routing Conduit
Polypropylene extrusion, 1 5/8" x 1" cut to length, is fastened to the underside of any lounge product with wood screws.

Tablet Support
The worksurface is supported from the chair frame by formed, welded 1 1/8" O.D., 12-gauge steel tubing, with a die cast aluminum gusset, black powder-coat paint finish applied. A drilled and tapped, 1/2" thick steel plug is welded into the pivot end of the 1 1/8" dia. support tubing. The die cast gusset is fastened to the tube plug with a Grade 5, 3/8-16 steel bolt with epoxy patch. The die cast gusset and pivot joint provides 154 degrees of free rotation for the tablet.

Tablet Surface Mechanism
The gusset die casting rotates about the steel support tube by means of a plastic bushing connection. The worksurface slides back and forth a total of 6" of straight motion. The sliding motion is accomplished with an aluminum extruded rail and plastic bushing mechanism.

Tablet Surface Laminate
The laminate worksurface is 18mm thick Baltic Birch plywood core with .040" laminate face and .020 phenolic paper backing sheet. The edge of the worksurface is shaped, sanded and sealed with a clear coat lacquer finish. See KI color addendum for standard laminates available.

Ottoman & Wedge Optional Handle
An optional handle is available on HUB ottoman and wedge units. Handles are constructed of 1/2" dia. solid steel, with a powder-coated finish applied. Handles are attached to the frame using two steel 1/4-20 x 2" long pan head screws into steel inserts. When specified on HUB wedges, the handle must attach to the long side of the wedge.

STATEMENT OF LINE

H23B H23RT H13T H20B H20 H23 H23A H23LT H33RT H24T H25DT H33 H33A H33LB H33LT
ACCESSORIES

Power Module
The USB/AC power module houses one 125 volt 15 amp AC outlet and two 5V DC, USB (type 2.0 and type 3.0 compatible) charging plug-in receptacles with 2.1 amp DC total power (no data). The power cord is a 14 AWG 15 amp NEMA rated three conductor SJT , with a three prong grounded plug. 54” of exposed cord will extend from the bottom/back of the Hub pieces. The power cord is strain relief mounted to the rear of the housing. The entire electrical power module assembly is UL listed and passes a UL spill test rating for protection against liquids. Both USB ports can power and charge separate mobile devices, simultaneously. This optional Power Module is available in three powder-coat colors: Black, White, Silver.

The Hub power module can be specified on the following Hub units: H20B, H33LB, H33RB, H13T, H24T, and H25DT.

SensioPod™ Power Pylon (only available on the Hub Docking Table)
SensioPod electric module fits in a 2 7/8” diameter hole and deploys by pulling upward on the handle of the module. SensioPod module has (3) three-prong receptacle outlets rated at 120V and (2) USB ports, and is fed by a standard ground three-prong plug. The SensioPod Power Pylon is only available on the Hub Docking Table: H25DT.

Qi Wireless Battery Charger
Housing
The housing shall consist of two ABS injection molded pieces, which create an enclosure to contain the Qi charger and LED indicator. The two halves shall be secured together using three #6 plastite screws. The housing shall provide an exit for the power cord.

Charger
The housing shall contain one Qi-compatible charging unit, including an LED indicator, charger, and power supply.

Regulatory Certifications
Safety on Information Technology Equipment: UL 60950-1
Electromagnetic Compatibility, R&TTE Emissions, and Safety directives: CE