palmer HAMILTON

CHARIOT™

Mobile and fixed booths, banquettes, and convertible bench tables for dining, lounge, or social spaces.

DESCRIPTION

- Chariot booths address the need for versatile dining spaces, offering furniture that is mobile, flexible, and easy to reconfigure or store.
- The mobile Chariot bench address the need for versatile dining spaces, offering furniture that is mobile, flexible, and easy to reconfigure or store.
- Settee units are available in back-to-back configurations.
- Fixed booths include a tabletop with a pin leg. Glides enable easy movement for cleaning or space adjustments.
- Fixed booths are offered in seating depths suitable for both younger and high school users.
- Booths are available in two bench widths to accommodate corner layouts.
- Fixed booth units can be equipped with optional side and back panels, available solid or with clear, frosted, or customizable graphic windows.
- To coordinate with Chariot mobile benches, the Aero GO Table line features built-in casters that lock securely when stationary.
- Aero GO tables are offered in fixed, folding and flip-top versions.

CONSTRUCTION

Thermo-formed seats and backs

- Chariot booth seat and back are constructed of thermo-formed highly engineered, cross-linked continuous cast acrylic sheet with fiberglass inner surface reinforcement.

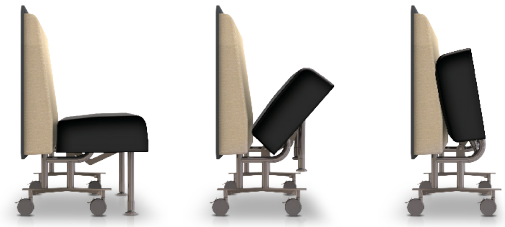
Upholstered seats and backs

- Backs and seats can be specified in either upholstered or thermoformed acrylic. Because they are ordered separately, multiple configurations are available.
- Frames for upholstered sections are CNC precision cut 3/4" furniture grade plywood components.
- Standard pricing for upholstered units are based on Grade 3 fabrics. See our website for listed manufacturers and brands.

Back and side panels, tabletops

- All benches have finished back panels of laminated surfaces. Logo designs are available.
- Side panel is available on both fixed booth widths.
- Attached table tops are 3/4" M3 industrial grade particle board of 100% recycled/ recovered wood content

Mobile folding units available for space reconfiguration and storage..



- Booth back and side panels are constructed of 5/8" M3 industrial grade particle board of 100% recycled/recovered wood content
- All of our plywood is tested in accordance with ANSI 208.1 – 2022 and is EPA TSCA Title IV certified. Complies with CARB ATCM 93T20
- 0.30" HPL decorative laminate is on table top and front and back of side and back panels.
- See later statement on our laminate options.
- .028" balanced black backer on bottom of table core for stability and moisture resistance.
- Table and bench have 2" radius corners.
- All edges are EdgeGuard™. See our EDGING statement for more details.
- Custom logos are available on tabletop and the back and side booth panels at an upcharge.

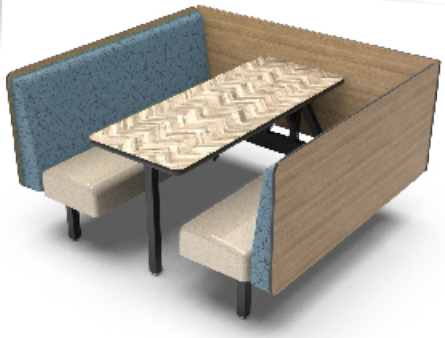
Windows in back and sides

- Windows of 6" or 12" height can be ordered for back and side panels. Side panels are ordered independently of backs.
- Windows are 45" long for all side panels.
- Back panel windows differ by booth width:
  33" wide window for 42" back panel;
  37" wide window for 48" back panel;
  45" wide window for 60" back panel.
- Back and side panels with windows are CNC precision cut with inserts held in place with metal trim top, sides and bottom. Trim is on both front and back of panels, thoroughly securing window.
- Standard windows are available frosted or clear 6mm polycarbonate.
- Custom silkscreened designs available for windows at additional charge. These are printed on 3mm acrylic and sandwiched with clear 3mm acrylic to be scratch and tamper-proof.

LAMINATE OPTIONS

- Following is a general guide for our laminate options and pricing. Group 1 laminates are included in our base price.

Group 1: Choose your colors from Wilsonart® or Formica® laminates. See their websites for selections. For Wilsonart®, our standards are most colors in Type 335 laminate and finish type ending in -38 or -60. Exceptions apply, including colors that begin with "Y" or end with K-38 or K-60. Standard Formica® Laminates are Grade 12 or Grade 20 ending in finish type -58 and -43.
Group 2: Standard Pionite®, Nevamar®, and non-standard Wilsonart® laminates Type 335 and 107 Recycled Content, and finish types not ending in -38 or -60.
Group 3: Wilsonart® Specialty Types 136 / 137 Chalkboard Laminates, Arborite®, and premium Formica®, Pionite®, and Nevamar®.



Back and side panels allow for customization and acoustic management.

Group 4: Non-Standard Premium Wilsonart® Laminate Types 362 (VDL, Y-Type), 156/336 (Markerboard), 376-HD / 366 Wilsonart® HD, and 515 Compact Laminate.
All premium laminates available at an upcharge.

EDGING

- EdgeGuard™ is standard for laminated bench back and side panels and attached tabletops.
- Our standard edge is EdgeGuard™, a sprayed-on polyurea eased edge treatment that provides superior resistance to moisture, eliminates unsanitary food traps, and is extremely tamper resistant. Edges stay sealed, preventing peeling and chipping. Durable for many years of use.
- Standard color is black. We offer six nonstandard colors. Upcharges apply to orders of 20 units or less. See our website for options.
- Aero GO table, recommended for use with settee and folding benches, is available with EdgeGuard™ to match other surfaces, or with eased edge SMARTedge. See the Aero GO specifications on our website.

FRAME

Fixed Booth and Settee

- Bench frame is 16 gauge 2" square steel tubing.
- Cross beam is 14 gauge 2"x 4" steel tubing.
- Cross beam material weldment and seat stiffener weldment are attached to seat with hex bolts.
- Frame ends are covered with plastic caps for safety and appearance.
- Leg frames mount into bracket weldments with hex bolts.
- Fixed booth legs have plastic caps installed on ends. Nylon glides are threaded into plastic inserts at leg bottoms.
- Fixed booth tables are mounted using a large base weldment that connects the pin-leg weldment to the tabletop. A height-adjustable nylon glide is threaded into a plastic end insert.
- The table is supported by a sturdy leg weldment and a back-wall table mount for added stability.
- The table is securely fastened to the side frame weldment, ensuring a rigid, durable connection.
- Back-to-back booths are constructed as a single unit on one continuous frame.
- Optional tall laminated booth divider with or without window is available.

Folding Benches

- Folding units are same basic design, seat and back sizes and shapes of fixed booths.
- Folding units come in 42", 48", and 60" seat lengths.

Upholstered back or seat can be combined with fiberglass for visual interest.

- All folding benches have plywood bottom surfaces with two folding legs.
- Folding benches use an air-damper mechanism to cushion the downward motion.
- As the seat folds flat, the leg supports automatically extend to the floor.
- When folded or stored, the bench does not contact the back, preventing materials from getting trapped and maintaining cleanliness.
- Storage footprint for one folding unit is 16-1/2" deep for 4', 6' or 8' long models. Drop leg models are 17" deep.

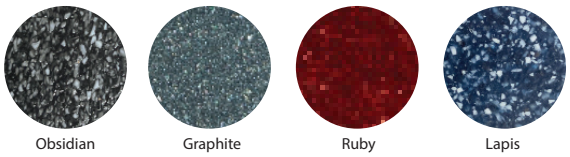
FRAME COLORS/FINISHES

- All metal parts are thoroughly cleaned to resist corrosion and provide maximum paint adhesion, finished with high-grade electrostatically applied baked-on polyester powdercoat for superior resistance to abrasion, marring and scratching. The metal finish is a baked-on, lightly textured polyester powder coating.
- Frames have durable powder coat finish, in our standard three options, and ten custom frame colors. See our website for non-standard colors.
- Minimum orders and upcharges may apply.

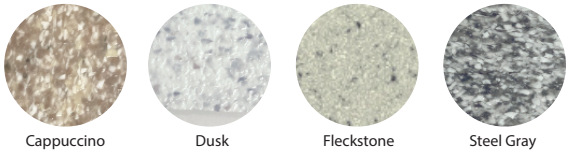
Black (BLK) Chameleon (CHA) Metallic Silver (MS)

FIBERGLASS

- Fiberglass is extremely durable, stain and resistant for long lasting color and durability.
- These standard colors are available on seats and backs of the Chariot booths.



Obsidian Graphite Ruby Lapis



Cappuccino Dusk Fleckstone Steel Gray

Contact us for other color options that may be available.

UPHOLSTERY

- Upholstered backs and seats are available. These are ordered separately, so multiple configurations are available.
- Upholstered seats have 2" commercial quality polyurethane foam, 1/2" on backs.
- Standard pricing for upholstered units are based on Grade 3 fabrics. See our website for listed manufacturers and brands.

All dimensions nominal.
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CASTERS

- Each folding unit has four locking casters.

All are shepherd gray twin polyurethane, ball bearing swivel casters that are non-marking, resistant to water, oil and most acids and chemicals.

- Each is rated for 165 pounds.

BENCH WEIGHT CAPACITY

- See capacity in chart below, 275 pounds per person.
- Total recommended capacity is 550 pounds.

SHIPPING

- Units ship fully assembled.

WARRANTY

See our website.

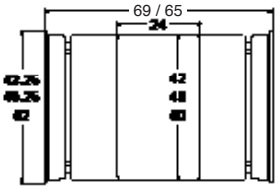
SPECIFICATIONS

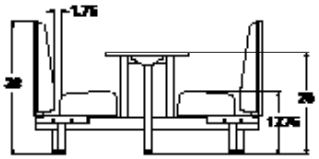
DESCRIPTION	OVERALL SIZE W x D x H (in)	BOOTH SIZE Depth (in)	TABLE SIZE	CAPACITY	UNIT WEIGHT (lbs)	SHIPPING DIMS W x D x H (in)
FIXED BOOTH						
BOOTH20-42FB	69/65 x 43.25 x 38	42	24" x 42"	4 adults	269	42 x 60 x 30 65 x 48 x 30
BOOTH20-48FB	69/65 x 49.25 x 38	48	24" x 48"	4 adults	292	42 x 60 x 30 65 x 48 x 30
BOOTH20-60FB	69/65 x 62 x 38	60	24" x 60"	6 adults	339	42 x 60 x 30 65 x 48 x 30
BOOTH20-6042FB	69/65 x 62 x 38	60 & 42	24" x 60"	5 adults	308	42 x 60 x 30 65 x 48 x 30
FIXED SETTEE						
BOOTH20-42FBS	77 x 78 x 30.5	42	N/A	2 adults	93	65 x 48 x 30
BOOTH20-48FBS	77 x 78 x 30.5	48	N/A	2 adults	101	65 x 48 x 30
BOOTH20-60FBS	77 x 78 x 30.5	60	N/A	3 adults	116	65 x 48 x 30
FIXED BACK TO BACK SETTEE						
BOOTH20-42B2B	77 x 78 x 30.5	42	N/A	2 adults	154	42 x 60 x 30 65 x 48 x 30
BOOTH20-48B2B	77 x 78 x 30.5	48	N/A	2 adults	165	42 x 60 x 30 65 x 48 x 30
BOOTH20-60B2B	77 x 78 x 30.5	60	N/A	2 adults	187	42 x 60 x 30 65 x 48 x 30
CHARIOT GO SINGLE UNIT						
BOOTH20-42FBB	24 x 43.25 x 38	42	N/A	2 adults	115	46 x 64 x 43
BOOTH20-48FBB	24 x 49.25 x 38	48	N/A	2 adults	126	46 x 64 x 43
BOOTH20-60FBB	24 x 62 x 38	60	N/A	3 adults	143	46 x 64 x 43

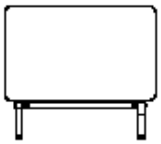
Booths with two benches require two pallets.
Shipping dimensions are approximate. Materials are packaged to reduce overall shipment size whenever possible

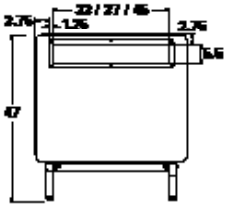
DIMENSIONAL DRAWINGS

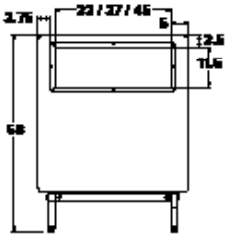
FIXED BOOTH

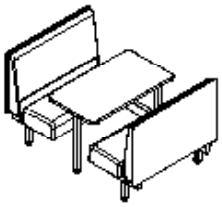


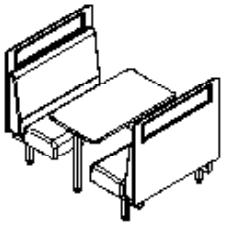


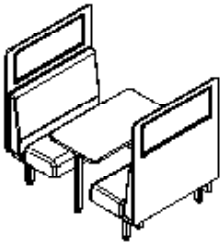


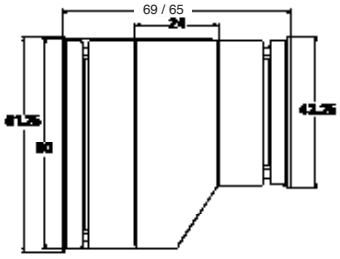




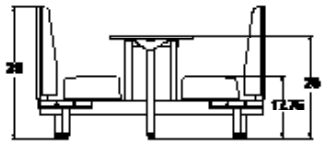


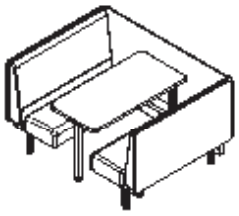


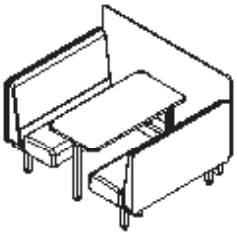


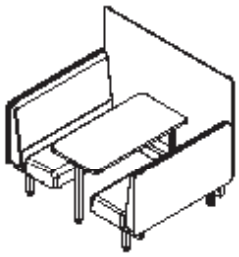


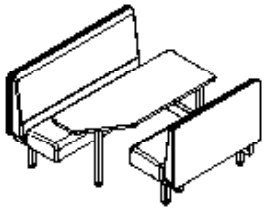
FIXED BOOTH WITH SIDE PANELS

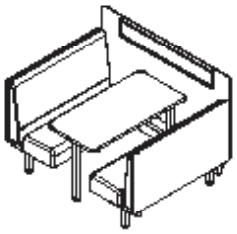


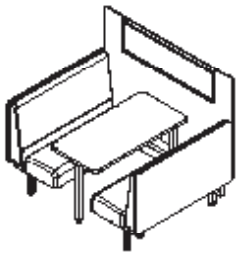






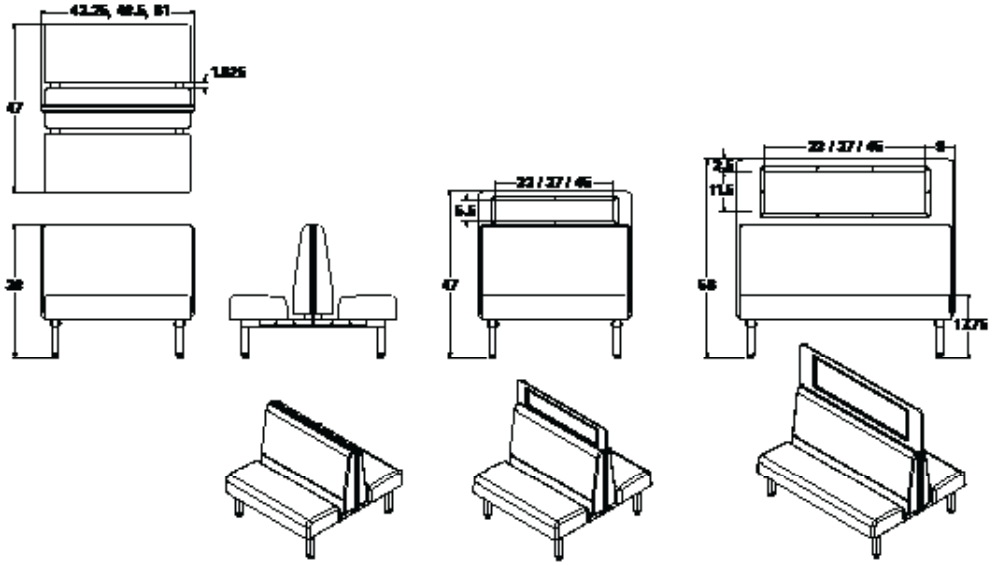




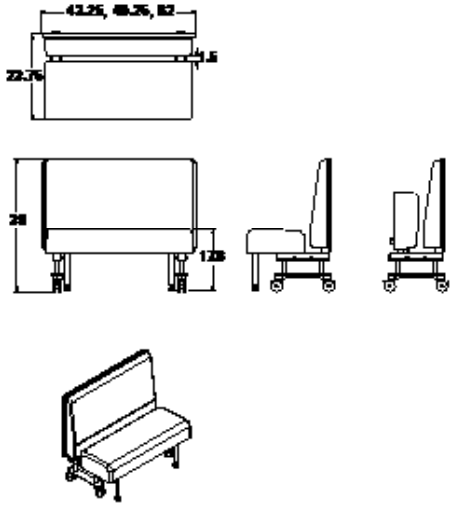


DIMENSIONAL DRAWINGS

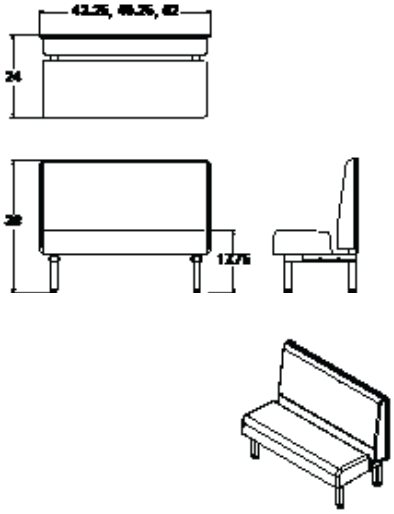
FIXED BACK TO BACK SETTEE



CHARIOT GO SINGLE UNIT



FIXED SETTEE



All dimensions nominal.
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SUSTAINABILITY

Striving for sustainability in our products and manufacturing processes, Palmer Hamilton is a leader in environmental stewardship. It is our purpose to develop and design products that lessen the impact on the environment through the use of alternative materials and eco friendly technology.

Palmer Hamilton also endeavors to reduce our impact on the environment through sustainable energy and recycling processes throughout our corporate facilities.

Green product specification examples:

- Standard Particle Board is M3 industrial
- Grade 47lb. density fiberboard, 100% pre-consumer recycled wood fiber particle board.
- Meets California Air Resources Board (CARB-2) and TSCA Title VI.
- Meets California TB 117, Section 1 Flammability standard.
- No added urea-formaldehyde (NAUF) available.
- GreenGuard Gold certified products.
- All laminates used are GreenGuard certified.
- Adhesives are water based with no added urea-formaldehyde, low VOC emissions.
- Products are designed to be extremely flexible, lightweight, movable and storable. Designing flexible spaces reduces the overall footprint and building materials required for a building.
- Palmer Hamilton products are packaged using returnable (blanket wrapped) or recyclable (cardboard, wood and plastic) materials which can reduce disposal into landfills.

Corporately it is our policy to comply or exceed with all applicable environmentally regulations, employ contemporary recycling, waste reduction and sustainable practices. We train our staff on our environmental program and empower them to contribute and participate. Our commitment extends to our customers, our staff, our community and our suppliers.

MADE IN U.S.A.