

PRODUCT SPECIFICATIONS

Soltice® Metal Multiple Seating Loveseat & Bariatric Chair

July 2023

MODEL NUMBERS:

Loveseat SOM33, SPM33
Bariatric Chair SOMB, SPMB

TECHNICAL SPECIFICATIONS

Frame (Steel Cross Frame)

The two all steel cross beams are 11-gauge steel formed channels, welded to 12-gauge gusset plates. These are mounted to the arms using steel 1/4-20 thread cutting bolts into pre-drilled pilot holes. The beams and arms are color matched.

Frame (Seat & Back)

Seat deck is 3/4" 6-layer plywood construction fastened to the arms using 1/4-20 steel screws and threaded steel inserts, four each. Back is 5/8" thick 8-ply formed plywood mounted with four steel threaded inserts and 1/4-20 screws.

Frame (Legs)

All welded steel construction consists of 3/4" x 1 1/2" x 16-gauge rectangular steel tubing legs, 3/4" square by 16-gauge steel cross stringer and a 12-gauge steel armcap mounting plate. Arms are mounted to the seat and back frame using 1/4-20 steel bolts and T-nuts.

Closed Arm Panels

Closed arm panels are 1" thick plywood wrapped in 1/4" soft feel foam and fully upholstered. Panels are mounted using steel 16-gauge brackets and steel alignment pins. Panels are field replaceable, fully upholstered.

Armcaps

Armcaps of 8/4 beech hardwood kiln dried to moisture content of six percent, sanded and finished are standard. Polyurethane or "solid surface" Corian are available in limited color and style. See Price List for details.

Wood armcaps are sanded with 220 grit paper for a smooth pre-finish surface. A spray stain is applied overall, run thru a burn-off oven and baked for one hour at a temperature of 140 – 150 degrees F. The wood is then sealed to prevent moisture imbalance, and all exposed surfaces are then lightly hand sanded using 400 grit paper for fine surface detailing. The final application of an oven-baked conversion varnish topcoat seals and finishes the final product. Both the seal and finish coats contain an anti-microbial protectant.

Steel Finish

All exposed steel legs and components are powder-coat painted in a single matching color per order. See KI Color Addendum for color choices. Chrome finish is optional.

Foam

Seat: The seat is 3 1/2" thick average, polyurethane foam with a density of 2.5 and a compression of 35 pounds. This core is covered with a layer of 1/4" super-soft foam.

Back: The back foam a foam core averaging 1" thick, 2.5 density, 35 lb polyurethane, with a 1/4" thick super- soft foam wrap over all.

Closed Arm Panels: 1/4" soft feel polyurethane foam covers the closed arm insert, has 1.5 density, 45 lb compression and is fully upholstered.

Field Replaceable Upholstery and Components

The back rests are attached to the arm frame with a metal-to-metal bracket connection allowing replacement. Simply remove four screws at the middle of the back and lift the back up off the frame. Replace the old covers with newly upholstered covers and reassemble the backs. The seats are attached to the arms with screws underneath, for replacement ease also. Replaceable seat and back covers use Velcro attachment for easy removal and replacement.

Glides

Glides are press-fit nylon type 6, available in KI flannel (dark grey) or natural nylon (cream) color. See Price List for replacement ordering.

