

# Technical Specifications ■

## Soltice® II Recliner

June 2015

### Wood Armcaps

Wood Armcaps are constructed of 12/4 select hardwood kiln dried to a moisture content of 5% - 7%, fastened to hardwood plywood panels. Joinery utilizes three (3) 1/2" x 1" spring steel dowels, screwed into position on the armcap. Plywood arm panels are 1/2" thick plywood skins, inside and out, glued and stapled using mortise, butt, and lap joints throughout. Craftboard (.09 thick) is stapled over edges and bottom beneath 1/4" thick soft polyurethane foam padding.

### Mechanisms and Chair Frame

Rectangular steel tube frame ranging from 14 - 10 gauge, is welded, or riveted, at all member connections and fully powder coated to seal frame. Steel frame arm and footrest mounting plates are 14 gauge thickness. Frame is bolted to wood arms at 12 locations using 1/4" -20 machine bolts. Back frame is constructed of 1" laminated plywood with solid wood cross rails. Dowel and lap joints are utilized. Seat frame is 5/4 solid maple wood. Mechanism is all steel ranging in gauge from 14 - 11 gauge.

### Recliner Back and Seat

Back is 1" hardwood plywood (7 ply) utilizing dowel and lap joints. Six (6) 3" woven web straps are stretched and interwoven across the seat and stapled. Seat Board mounts to steel seat frame using two (2) 1/4" -20 machine bolts. Propex woven polypropylene fabric covers the back surface openings. A layer of 1/4" thick soft polyurethane foam padding covers all non-cushioned surfaces.

### Polyurethane Foam Cushions

Seat cushion is composed of 2.5 lb. 35 density high resilient polyurethane foam measuring 4" in thickness. A 1" thick slab of 1.5 lb. 14 density foam is laminated to the top and front edge. Back cushion is composed of 2.5 lb. 35 density high resilient polyurethane foam measuring 2" in thickness. A 1" thick slab of 1.5 lb. 14 density foam is laminated to the foam surface.

### Upholstery Covers

Traditional upholstery methods are used throughout.

### Central Locking Caster System

5" sealed, locking casters are activated using a foot lever, and are controlled by a series of linkages inside the chair.

### Chair Testing and Loading

The Soltice II Recliners have passed all standard ANSI BIFMA tests for seating products, and in addition, the chairs also passed KI's bariatric test battery (see document KI-98829) which allows the chairs to safely accommodate weights of up to 750 pounds.

### Field Replaceable Seat, Back, Ottoman and Armcaps

Replacement seats include new foam and upholstery and are Velcro fastened to the seat. Backs are attached to the frame mechanism with a metal-to-metal hinge connection that allows for easy replacement. Removing two screws at the bottom of the back will allow lifting the entire back off the mechanism. Replacement backs come with complete wood frame, foam and upholstery. Footrest Ottoman replacements are fully upholstered and bolt on to the frame. Armcaps are attached to the arms using compression dowels for easy replacement. For full arm replacement, contact a factory representative.

### Soltice II Recliner Dimensions

Overall: 32 1/8"W x 35"D x 47"H  
Seat: 24"W x 20"D x 22"H (from floor) and 18 1/2"H (from footrest)  
Arm: 3.25"W x 27 1/2"H (at front of arm – highest point)

