

Technical Specifications ■

Piretti Stack Chair

January 2011

Leg Characteristics

Sled Base

$\frac{5}{8}$ " outside diameter, 16-gauge wall thickness, 133 $\frac{5}{8}$ " long one-piece frame. Frame bent 100% on a CNC Bender (computer, numerically controlled bender) to assure radius consistency and uniform frames when stacked.

Four Leg

1" outside diameter, 14-gauge wall thickness.

Welded Frame Construction

Seat strap/mechanism support is 14-gauge steel. 100% robotically welded to assure the integrity and consistency of all weld joints. Both style frames are field replaceable by removing 8 self-tapping screws.

Backrest Assembly

Standard to both the Sled Base and Four Leg. Uprights (left and right) are a steel stamping of 14-gauge material. Universal cover plate, which fits both left and right uprights, is a steel stamping of 16-gauge material. Two/assembly. Mechanism attachment brackets, used to fasten backrest assembly to weighing mechanism, is of 10-gauge material. Two/assembly. $\frac{7}{16}$ " diameter wire support is of 1008 steel. This is the connecting member between the left and right uprights. One/assembly. Locking socket head set screw (5 mm diameter x .080 pitch x 14 mm long) used to fasten plastic back into uprights.

Welded Backrest Construction

100% robotically welded to assure the integrity and consistency of all weld joints.

Tablet Arm

Plywood core tablet with high-pressure laminate surface. The edge is clear lacquer. Tablet arm support matches frame color. Seating clearance is 13 $\frac{1}{2}$ " for standard and oversized tablets. Standard tablet is 19 $\frac{1}{2}$ " long and 12 $\frac{3}{4}$ " wide. Oversized tablet is 22 $\frac{1}{2}$ " long and 15 $\frac{3}{4}$ " wide.

Seat and Back Shell

Material is copolymer polypropylene. This composition provides the necessary rigidity of the back shell. The texture on both shells is a directional dot pattern. $\frac{3}{16}$ " wide x $\frac{7}{32}$ " deep welt channel around the top of the back shell. (This channel accepts an elastic welt cord that conceals the staple line in an upholstered shell.) Universal shell is used in either upholstered or un-upholstered version. Seat shell has four injection molded embosses used to fasten the shell to the two weighing mechanism. Both seat and back shells are field-replaceable.

Upholstered Chairs (including Crypton treated fabrics)

Seat shell is constructed of 3 parts. LH and RH side flanges attach with T-nut screws to ensure tight uniform fit.

Poly Chairs

Seat shell is constructed in 3 pieces with the LH and RH side covers electromagnetically welded to the main body of the set.

Seat Liner

Injection molded polypropylene. Underside is contoured to accept the right- and left-hand ganging components when not in use. Large radius contour serves as stacking bumper. This will prevent any deformation on upholstered shells when stacked.

Upholstered Shell with Crypton Fabric

$\frac{1}{2}$ " thick foam on back, $\frac{3}{4}$ " thick molded foam on seat. Back foam density HR50. Adhesive used for bonding foam to shell and fabric to foam. Process is done in a heated aluminum press to assure uniform bondage and prevent the risk of delamination.



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Ganging Mechanism

Four injection molded, glass filled nylon hinge components. $\frac{1}{4}$ " diameter wire loop ganger. One female side and one male side required per assembly. Double nickel-chrome plated to provide a high luster, durable finish. Spring loaded to remain in closed position when not in use. 100% field addable. Hinges attach directly to seat strap/mechanism support with self-tapping screws.

Main Weighing Mechanism

Steel components stamped of 11- and 14-gauge steel. Plastic components injection molded of Delrin and nylon material. Each mechanism weighs approximately 3.5 lbs. Backrest assembly is attached to mechanism by two, 8 mm diameter x 14 mm long socket head cap screws. Each mechanism is attached to the seat strap/mechanism support by 4 self-tapping screws. Mechanisms are field-replaceable.

Bookrack

Welded wire frame with powder-coated finish. Chairs are non-stacking with bookrack attached. May be field installed, requires attaching with 8 screws. Dimensions: 15 $\frac{1}{4}$ " wide, 12" deep and 6" high.