

# PRODUCT SPECIFICATIONS

## Piretti® Stack Chair

July 2018

### TECHNICAL SPECIFICATIONS

#### Sled Base Frame

Frames are 133<sup>5</sup>/<sub>8</sub>" long continuous segment of <sup>5</sup>/<sub>8</sub>" O.D., 16-gauge seam-welded tubular steel. Frame bent 100% on a CNC Bender (computer, numerically controlled bender) to assure radius consistency and uniform frames when stacked. Seat straps are welded to the legs. Lever mechanisms are bolted to the seat straps, and, in turn, are attached to the backrest by backrest supports. Carpet, non-marring hard floor glides and stainless steel glides are optional.

#### 4-Leg Frame

Frames consist of two U-shaped leg sections, one front and one rear. Frames are 1" O.D., 14-gauge seam-welded tubular steel. Seat straps are welded to the legs. Lever mechanisms are bolted to the seat straps, and, in turn, are attached to the backrest by the backrest supports. When specifying a glide for the Piretti Four-Leg Stack Chair, the glide will be monochromatic with the frame.

#### Leg Finishes

Baked-on electrostatically-applied epoxy powder-coat paint, or bright nickel-chrome plating.

#### 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 eight self-tapping screws.

#### Backrest Assembly

Standard to both the Sled Base and 4-Leg chair. 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. Cover plate is a two-piece construction. Mechanism attachment brackets, used to fasten backrest assembly to weighing mechanism, is of 10-gauge material. Attachment brackets are two-piece construction. <sup>7</sup>/<sub>16</sub>" diameter wire support is of 1008 steel. This is the connecting member between the left and right uprights. Locking socket head set screw (5 mm diameter by .080 pitch by 14 mm long) used to fasten plastic back into uprights. The back tilt is 15°.

#### 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 painted black. Tablet arm support matches frame color. Seating clearance is 13<sup>1</sup>/<sub>2</sub>" for standard and oversized tablets. Standard tablet is 19<sup>1</sup>/<sub>2</sub>" long and 12<sup>3</sup>/<sub>4</sub>" wide. Oversized tablet is 22<sup>1</sup>/<sub>2</sub>" long and 15<sup>3</sup>/<sub>4</sub>" 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. <sup>3</sup>/<sub>16</sub>" wide x <sup>7</sup>/<sub>32</sub>" 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 three parts. LH and RH side flanges attach with T-nut screws to ensure tight uniform fit.



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## TECHNICAL SPECIFICATIONS (cont.)

### 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.

### 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, 8mm diameter x 14mm long socket head cap screws. Each mechanism is attached to the seat strap/mechanism support by four 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 eight screws. Dimensions: 15 $\frac{1}{4}$ " wide, 12" deep and 6" high.

