

Technical Specifications ■

Torsion® Stack Chair

May 2012

Seat and Backrest

Seats and backrests are molded compound curved polypropylene with a textured finish. Upholstered seat is two-piece construction. Poly seat is one-piece construction. Upholstered chairs have partially exposed polypropylene surfaces. Fabric is upholstered over $\frac{9}{16}$ " foam on the backrest and $\frac{15}{16}$ " on the seat.

Backrest Supports

Two die-cast aluminum backrest supports attach the backrest to the Torsion mechanism. A steel tube is cast into each backrest support for added strength.

Torsion Mechanism

The back flex is achieved by the Torsion mechanism. It consists of two flat torsion springs captured at both ends by bushings which in turn engage with the backrest supports. The Torsion mechanism creates gradually increasing resistance over the full 12° of back flex.

Full Sled Base Frame ("TS")

The sled base frame consists of two segments of $\frac{3}{4}$ " 16-gauge seam welded tubular steel and two steel seat supports.

Cantilevered Sled Base Frame ("TC")

The cantilevered sled frame consists of one continuous segment of 1" 14-gauge seam welded tubular steel with reinforced bends.

Four Leg Frame ("TL")

The four leg frame consists of two U-shaped sections, one front and one rear, welded together with two support brackets to form the four leg chair. The sections are formed of $\frac{15}{16}$ " 15-gauge seam welded tubular steel.

Cantilevered Arm ("TC", "TS", "TL" Chairs)

Fiberglass reinforced nylon; color permeates armrest. Arms flex with the back. Not field installable.

Leg Finishes

Baked-on, electrostatically-applied powder-coating, or bright nickel-chrome plating.

Tablet Arms - Standard and G2

$\frac{5}{8}$ " 11-ply plywood tablet with high-pressure laminate surface and lacquered edge. Tablet arm support matches frame color. Seating clearance is 13 $\frac{1}{2}$ ". Standard tablet measures 19 $\frac{1}{2}$ " long and 12 $\frac{3}{4}$ " wide. G2 tablet measures 18" long and 13 $\frac{3}{4}$ " wide with a writing surface of 10" long and 13 $\frac{3}{4}$ " wide. G2 tablet requires 4" clearance behind chair for tablet to fold away.

Transport Dolly

Tubular and plate steel welded together. 5" casters; two fixed, two swivel. Powder-coated finish. Two distinct dollies are available; one for full Sled Base, and one for Four Leg. No dolly is available for model "TC".

