PRODUCT SPECIFICATIONS

Torsion® Stack Chair

October 2019



TECHNICAL SPECIFICATIONS

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 $^{9}/_{16}$" thick foam on the backrest and 1" thick foam 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 $^{3}/_{4}$", 16-gauge seam welded tubular steel and two steel seat supports.

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 $^{15}/_{16}$", 15-gauge seam welded tubular steel.

Cantilevered Arm ("TS" and "TL" Chairs)
Fiberglass-reinforced nylon. Arms flex with the back. Available in black only. Not field-installable.

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

Tablet Arms - Standard and G2
$^{5}/_{8}$" thick, 11-ply plywood tablet with high-pressure laminate surface and lacquered edge. Tablet arm support matches frame color. Seating clearance is $13^{1}/_{2}$". Standard tablet measures $19^{1}/_{2}$" long and $12^{3}/_{4}$" wide. G2 tablet measures 18" long and $13^{3}/_{4}$" wide with a writing surface of 10" long and $13^{3}/_{4}$" 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-coat paint finish. Two distinct dollies are available; one for full Sled Base, and one for Four-Leg chair.

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