

Technical Specifications

Navigator® Nesting Guest Chairs



Seat and Backrest

Seat is two-piece construction of molded plywood upholstery board with a molded compound curved polypropylene shroud with a textured finish. Seat is always upholstered. Contoured molded foam is applied to the molded plywood upholstery board. Fabric is then upholstered over the foam. Backrest is available in either a poly or upholstered version. Backrest is molded compound curved polypropylene with a textured finish. Backrest has an integral, molded "handle".

Back upholstery liner is molded polypropylene with glued on foam (1/2"). Fabric is upholstered and glued to the foam. The liner is secured to the backrest by four #10-24 color-matched machine screws.

Seat flips up to allow chairs to nest for storage and transport.

Seat is field replaceable (back is not field replaceable).

Back upholstery pad is field replaceable (poly back is not field replaceable).

Backrest Supports

Two welded steel backrest supports attach the backrest to the torsion mechanism. A steel tube is inserted 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 steel bushings that are welded to the backrest supports. The torsion mechanism creates gradually increasing resistance over the full 12° of back flex.

Tablet Support

The tablet support is 13/16" O.D. x 14-gauge round steel tubing. The support is welded to the chair frame.

Tablet Mechanism

The tablet mechanism consists of two die cast aluminum housings and a stamped steel hinge assembly. The main housing is mounted inside the steel support tube and secured with a thread-forming screw. The mechanism has two through-bolted pivot axes with bushing that allow stowing. The mechanism permits 12° of horizontal rotation for ingress/egress without stowing the tablet. With the tablet stowed, the chair will nest with other Navigator chairs with tablets, Navigator chairs without tablet, and Navigator chairs with arms.

Tablet

The tablet is made from blow-molded high-density polyethylene and is available in black or standard laminates. The tablet is connected to the mechanism and supported by a 12-gauge steel plate. The tablet has an effective working surface 12" deep by 16" across.

Frame

The frame is made up of four legs welded to a steel mechanism tube. The legs are 1" diameter, 13-gauge steel tubing.

Arms

Armrests are made of nylon. Armrests flex with the back.

Leg Finishes

Baked on electrostatically applied epoxy powdercoating or bright nickel-chrome plating.

Casters/Glides

Double wheels (60mm) of high-impact thermoplastic. High-impact plastic frame. For carpet casters, caster matches frame finish if frame is black or warm grey. Other frame finishes have black casters. For hard floor casters, caster is always black. Bell glide (2" high) made of high-impact plastic also available, black only.