PRODUCT SPECIFICATIONS

Matrix® Chair

October 2020



Seat - Polypropylene
Injection molded polypropylene. Seat is attached to the frame by the back attachment and with six steel Pal-nuts.

Backrest - Polypropylene
Injection molded polypropylene. Attached to the frame with two metal clips.

Upholstered Seat or Backrest
Upholstery is glued directly to the polypropylene seat or back with a two-part water based adhesive. No cushion.

Fixed Seat and Back Cushions
Upholstered cushions are attached to the seat or backrest with screws that extend through the seat or backrest and thread into metal inserts located in the cushion backer. Fixed cushions consist of injection molded polypropylene backer, $^{1}/_{2}$" thick polyurethane foam and an upholstery covering. Cushions are contoured to match the shape of the polypropylene seat or backrest.

Chair Frame Construction
Welded construction made primarily of $^{7}/_{16}$" diameter steel wire (solid) bent to shape on a CNC wire bender. A 7-gauge steel seat strap, ribbed for added strength, supports the front of the seat and two 11-gauge plates support the sides. A $^{7}/_{16}$" contoured steel rod joins the front legs for strength.

Frame Finish (Two Options)
Bright chrome plated finish with duplex (semi-bright) nickel, bright nickel and chrome applied. Nickel provides corrosion resistance. Powder-coated finish with electrostatically applied epoxy powder that's baked on the metal surface.

Optional Glides
Ganging and non-ganging glides snap on the wire frame and are held in location with ribs that nest into slots that are pressed into the wire frame. Ganging glides (2-male and 2-female) slide together, allowing multiple chairs to be connected in a line. Glides include: Polycarbonate - injection-molded clear hard plastic; PVC non-skid glide - Extruded hard PVC upper with a soft PVC layer on the bottom (black); Steel glide - injection-molded clear polycarbonate upper with a stainless steel insert molded in the bottom. Felt Glide - clear polycarbonate upper with replaceable (snap-fit) cap. Cap is black nylon with neutral-colored felt.

Optional Tablet Arm
Tablet arm is designed for easy attachment and removal. Brackets on the tablet arm just hook/snap on the chair frame. A metal clip snaps on and holds the tablet in place. Tablet surface is hinged for easy access into the chair. Tablet frame is a welded construction made of $^{7}/_{16}$" diameter steel wire bent to shape and two 11-gauge brackets. Finish is bright chrome only. Tablet surface has a plywood core with a high-pressure laminate surface on the top and a backer sheet on the back. The edges are round with a clear lacquer finish and $^{5}/_{8}$" overall thickness. Chairs are non-stacking when tablet arms are attached. Tablet arms are to be used only on chairs with chrome-plated frames. Not to be used on powder-coated frames. Ganging chairs with tablet arms is not recommended. It is recommended that the tablet arm not be removed after it is affixed to an upholstered chair.

Transport Dolly
Frame is welded tubular steel construction with steel straps that are bent to conform to the nesting angle of the product being transported. Four steel casters (wheel housings), two fixed and two swivel are welded directly to the four corners of the dolly frame. Swivel casters have ball bearings for smooth operation. Wheels are 5" diameter x 1.38" wide hard rubber with Delrin bearings. Wheels are attached to the casters with $^{3}/_{8}$" diameter bolts (axle). Black powder-coated finish.

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