

Model 5201M - Gravity, Single Seat with Arms

Dimensions

Seat Height	18.50	Depth	27.50
Seat Width	21.00	Width	25.00
Overall Height	35.75	Arm Height	26.50

COM Yardage

Based on pattern repeats less than 5 in. x 5 in.

Unit	1.75
Seat Yardage	0.75
Back Yardage	1.00

Options:

Wall saving	Standard
Connected	Yes
CAL 133	Yes
Arm Styles	Steel arms standard, polyurethane or wood arms optional



Frame Construction

A combination of 14 & 16 gauge 1 3/4" O.D. welded steel tube is used to construct a frame free of crimping on all bends. Welds at joints are ground smooth to ensure safe use and to provide a uniform transition. Stretcher bars welded to the frame provide seat support. All connections are metal to metal. The frame is comes with an integrated steel arm.

Seat

Upholstery material is applied over hi-resiliency molded foam which uses a registered process to displace 25% of the existing non-renewable petroleum with a sustainable plant based substitute. A welded inner seat armature is encapsulated inside the foam. The welded inner seat armature is constructed from 11 GA flat steel and 3/4" square 16 GA steel. Elastic webbing straps clipped into the welded inner seat armature frame add suspension. This assembly optimizes comfort, dimensional stability, and compressive and tensile strength. Seat covers are hook and loop and zipper locked and removable in the field. The seat is bolted to the chair frame with four 1/4-20 fasteners.

Back

Upholstery material is applied over hi- resiliency molded foam which uses a registered process to displace 25% of the existing non-renewable petroleum with a sustainable plant based substitute. A welded inner back armature is encapsulated inside the foam. The welded inner back armature is constructed from 5/8" round 16 GA steel and 1" square 16 GA steel. The foam is contoured to include a lumbar support. Back covers are hook and loop locked and removable in the field. The inner back armature slides over posts on the welded chair frame, and is fastened with two 1/4-20 bolts.

Foam

Molded foam is formulated displacing 25% of the existing non-renewable petroleum material with a sustainable plant based substitute. The foam performs as regular based cut foam and provides a 3.0 to 3.2 PCF density with no changes to the physical properties, comfort, and longevity of the foam.

Flame retardancy

Foam provided is compounded to meet specifications of the Federal Motor Vehicle Standard MVSS302 and California Bulletin No. 117 (TB117-2013).

Arms

Optional molded self-skinned urethane arm is available. The arm is molded over a 1/8 in. thick steel flat plate which is attached to the seat frame using metal-to-metal connections using 1/4-20 bolts. Polyurethane arms are field replaceable.

Optional Maple wood arms are available. Attachment is by 7/8 in. deep threaded wood screws. The arm comes finished as natural, in Spec's standards, or as stain to match. Wood arms are field replaceable.

Glides

The steel tubing is capped at the floor with compression fit injection molded polymer glides at the front and injected moulded polymer glides at the rear.

Load Test

Dynamic Drop Test: Proof Load- 500 lbs