



GRAVITY Specification Sheet

MATERIALS BREAKDOWN



FRAME CONSTRUCTION

FRAME

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 AND BACK CONSTRUCTION

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 RETARDANTS

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

ARM CONSTRUCTION

POLYURETHANE

Optional molded self-skinned urethane arm caps available. The arm cap 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 arm caps are field replaceable.

WOOD

Wood arms are attached by 7/8 in. deep threaded wood screws. The arm comes finished as natural, in Spec's standards, or as stain to match. All stains and lacquers are water based and cured in an UV Oven. Spec wood finished products pass BIFMA Air Quality Standards. Arm Caps are field replaceable.

FEET CONSTRUCTION

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.

CERTIFICATIONS

ANSI/BIFMA X5.4 Public & Lounge Seating
ANSI/BIFMA X5.11 General-Purpose Large Occupant Office Chairs

OPTIONS

Available as connected seating. Please refer to the price list for more information.



GRAVITY Specification Sheet

STATEMENT OF LINE - SPECIFICATIONS



5201M



5202M



5203M



5212M



5213M

Seat Height (in)	18	18	18	18	18
Total Height (in)	35.75	35.75	35.75	35.75	35.75
Seat Width (in)	21	21	21	21	21
Total Width (in)	25	46	67	47.5	70.25
Depth (in)	27.5	27.5	27.5	27.5	27.5
Arm Height (in)	26.5	26.5	26.5	26.5	26.5
Weight Rating (lbs)	500	750	1000	750	1000
Product Weight (lbs)	39	65	91	67	93
Qty (pcs)/Volume (cu ft)	1/15	1/26	1/39	1/26	1/39



5222M



5223M



5201G



5201H

Seat Height (in)	18	18	18	18
Total Height (in)	35.75	35.75	35.75	44.5
Seat Width (in)	21	21	30	21
Total Width (in)	47.75	70.25	34	21
Depth (in)	27.5	27.5	27.5	27.5
Arm Height (in)	26.5	26.5	26.5	26.5
Weight Rating (lbs)	750	1000	750	500
Product Weight (lbs)	68	94	53	42
Qty (pcs)/Volume (cu ft)	1/26	1/39	1/20	1/18



GRAVITY TABLES Specification Sheet

MATERIALS BREAKDOWN



BASE CONSTRUCTION

4PT

Constructed of high carbon content cold rolled seam welded flash controlled steel tubing. Offered in 14 Gauge oval tube. Legs are welded to table support brackets that intern are connected to both the table top and the wood side supports.

TOP CONSTRUCTION

LAMINATE

Constructed of 1" Nu-Green 2, ULEF (Ultra Low Emission Formaldehyde) raw particleboard core, covered and bonded with a water-based glue to a 1/16" high-pressure plastic laminate sheet on top and a plastic laminate backing sheet below for a sandwich top thickness of approximately 1-1/8". The core is made using 100% pre-consumer recycled or recovered wood fiber, and is manufactured inside a FSC Certified manufacturing facility. The top density is 39 pounds per cu. ft. The top edge is routed to accept our PVC molding (Flat, Rigid) to match or accent the top, or self edge and further bonded in place with a water based white glue.

VENEER

Constructed of 1" Nu-Green 2, ULEF (Ultra Low Emission Formaldehyde) raw particleboard core, covered and bonded with a water-based glue to a 1/32" hand laid up flat cut veneer on top and bottom for a sandwich top thickness of approximately 1-1/16". Veneers are selected with careful attention to grain matching and symmetry. The table edge is finished with one of several hardwood edge profiles.

EDGE CONSTRUCTION

PVC

Edges are made from PolyCor G92B poly-vinyl choride (PVC) pellet material melted and extruded through one of several die-head profiles. The matching or accented PVC edge is both glued and fitted to the table core using a continuous tongue and groove system around the circumference of the table.

2MM

2MM edges are made from a patented proprietary plastic material made from sugar cane. This bio resin product is produced with 83%+ or greater of a proprietary bio-based resin blend making it the leading green solution. The edge is adhered to the core material and trimmed using our "state-of-the-art" edge banding process to give you a virtually pick proof edge. 2MM Bio edge has the impact durability of PVC with a profile similar to self edge. Available in 38 solid colors. 2MM PVC EDGE is a polyvinyl chloride extruded plastic edge with a profile similar to self edge. Available in wood grain to match 9 standard stains.

HARDWOOD

Spec hardwood edges are individually segmented, glued, using water based glues, and then clamped to the edges of the tables to assure 100% surface coverage of the glue both on the tabletop and the hardwood edge. After clamping to ensure a tight and permanent bond, the edges are then machined and hand-planed to match the exact thickness of the tabletop. All corners are mitered then pencil radiused before being sealed, stained and lacquered.