

BOOK BAG CHAIR

Columbia has once again revolutionized the market and changed the way we look at the modern classroom. Through CAD generated design, we have created a chair that allows a student to store an overstuffed book bag underneath their chair optimizing floor space and preventing tripping hazards in the aisles. This chair also adds a bonus option that helps maintenance personnel save time by making it easier for them to stack the chair on the desk top.



AMERICA'S FINEST  
SCHOOL FURNITURE



## GENERAL SPECIFICATIONS

### 1167 - THERMOSET HARD PLASTIC BOOK BAG CHAIR

### 1177 - SOFT PLASTIC BOOK BAG CHAIR



#### TYPE

New CAD generated book bag chair designed to optimize floor space and reduce tripping hazards, allowing students to store their book bag under their chair. Bonus feature allows maintenance personnel to store chairs onto desk for easier access to clean under the desk. Desk stacking does not chip or damage plastic.

#### FRAME

Frame shall be of 1" diameter, 18-gauge formed tubular steel. The back support shall be of 7/8" diameter 16 gauge steel tubing. Solid steel rod basket welded to frame. Frame available in Columbia's own Spec-Flek® finish or chrome.

#### BOOK BASKET

Sturdy book basket is made from 1/4" diameter solid steel rods, formed and welded onto the chair frame legs. Book basket dimensions are 13" x 12" x 2" offering ample storage.

#### SEAT AND BACK

##### -THERMOSET HARD PLASTIC

Seat and back shall be made from 5/8" thick hard melamine resin. Seats and backs shall be attached directly to frame without spacers or brackets. Contoured seats for comfort and "waterfall" front to protect leg circulation. All seats and backs shall be solid plastic, manufactured with ground hardwood flour, color pigment and melamine plastic resins, blended and compressed under heat and pressure (1900 psi to form a homogenous material). The melamine resin resists scratching, gouging, is impervious to stains, polish, strong detergents, food products, and most chemicals. It will not melt, delaminate, splinter, swell, shrink, or warp under extreme moisture or temperature changes.

##### -SOFT PLASTIC

Seat and back shall be an ergonomically correct one piece polypropylene shell 1/8"-3/16" thick with an anti-static surface, waterfall front to protect leg circulation and a built in lumbar support to promote a proper posture.

#### SEAT HEIGHT

17½"

#### TUBING

All furniture shall have mechanical steel tubing of 1008-1018 steel. Gauge of tubing varies from component to component or model to model between 14 and 18 gauge.

#### GLIDES

All Columbia furniture shall feature 7/8" to 1" diameter swivel type glides of case hardened steel. Glides shall be 1/2" high shoulder glide design to firmly attach the glide to tubing. All glides shall have maximum 40° swivel range and shall have nylon "Armored Glide", Columbia's exclusively designed tip that repels wax, detergents, and water. Built for strength, durability, and corrosion resistance.

#### PLATING

All Columbia products are plated after the welding and brazing operations, which will yield consistent and thorough plating. All plated frames shall be cleaned and etched prior to chrome over nickel-plating finish. Nickel-chrome exterior grade quality plating, minimum of 1 mil thickness.

#### PAINTING AND PRETREATMENT

All painted surfaces are cleaned and phosphate conversion coated prior to receiving a baked epoxy powder coat finish, ensuring the best adhesion and paint durability in painted furniture. All painted furniture shall have a powder coat finish made from epoxy blend powder resins only. The standard average thickness of the powder coat is 2.5-3.0 mil. The minimum thickness for Spec-Flek® coating (Scuff Proof Epoxy Coating) is 3.5 mil.

#### WELDING AND BRAZING

All furniture welding shall be done prior to plating or painting to provide an even, unbroken finish. Tube ends shall be contoured to assure a close fit and then hand brazed with an oxyacetylene torch to provide strong joints with a smooth attractive fillet. Intersecting tubes are brazed 360° around the entire joint.

#### ASSEMBLY

All furniture shall be assembled using some combination of self-tapping screws, #10-1½", 1½" type 25 phobias head or fillips head. All seats and backs shall be attached directly to steel frame; no type of insert shall be used to to attach the frame to the seat or back. Tamper proof fasteners available.

Thermoset Hard Seats & Backs		Frames
	<b>Soft Plastic</b>	