



Durable Lightweight Tables & Chairs

comfort seating banquet chairs

essential series—Aluminum Specifications

Frame	Model	Back Shape	Seat Height	Overall Height	Width	Seat Depth	Overall Depth	Weight	Flex Back	Required Fabric
Aluminum	ES510	Crown	19" (48cm)	37" (94cm)	18.5" (47cm)	15.8" (40cm)	24" (61cm)	13.1 lbs. (5.9kg)	+0.5 lbs	.94 yds / Striped 1.15 yds
Aluminum	ES520	Oval	19" (48cm)	37" (94cm)	18.5" (47cm)	15.8" (40cm)	24" (61cm)	13.1 lbs. (5.9kg)	+0.5 lbs	.94 yds / Striped 1.15 yds
Aluminum	ES530	Round	19" (48cm)	37" (94cm)	18.5" (47cm)	15.8" (40cm)	24" (61cm)	12.9 lbs. (5.9kg)	+0.5 lbs	.94 yds / Striped 1.15 yds
Aluminum	ES540	Square	19" (48cm)	37" (94cm)	18.5" (47cm)	15.8" (40cm)	24" (61cm)	13.3 lbs. (6.0kg)	+0.5 lbs	.94 yds / Striped 1.15 yds

Frame: The front, back, and legs are made of .984" [25mm], extruded aluminum tube. The seat support is made of .5" [12.7mm], solid square aluminum bar. Each weld is approximately 2.5" [63.5mm] long. The leg is welded in 8 places.

Glides: The glides are zinc-plated with a rubber compression spacer to absorb shock.

Stack Bar: The stack bar is standard and is made of 0.630" [16mm], solid square aluminum bar.

Ganging: Two optional ganging devices are available. The frame ganging device is comprised of 3/16" [5mm] solid aluminum rod and is welded to the seat frame. The gap between chairs when ganged is 3.5" [89mm] between seat cushion for frame ganging. The plastic ganging device can be applied at the time of manufacturing or retroactively.

Anti-Sway Bars: Made of .5" [12.7mm], solid square aluminum bar, and add to the stability of the aluminum frame.

Frame Finish: Finish is an electrostatically applied powder coating over a phosphate treated aluminum frame. The powder is cured in a computer-controlled oven for enhanced precision and extended durability.

Stack Buttons: Eight stack buttons protect the finish and stabilize the legs when the chairs are stacked.

Back: The upholstery and foam are stapled to a wood insert, which is attached to the chair back frame. Foam is .60" [15mm] thick [front of backrest], .20" [8mm] thick [back of backrest] polyurethane.

Flex-Back: Full flex travel is 5.5 inches +/- .25", and has been successfully tested to more than 1,000,000 full cycles. Patented flex device features a unique fail-safe apparatus with all parts and mechanisms located internally to avoid pinch points.

Seat: The upholstery and foam are stapled to an injection molded polypropylene seat base. The FormFlex™ seat base features concentric oval patterns that flex to the contours of the user and comes standard on all Essential Series models. The seat attaches to the chair via three molded-in front tabs inserted into corresponding attach-

ment points in the aluminum frame, and four molded-in rear clips which snap around the underside seat support. Foam is 2.5" [64mm] thick high-resil-3.75 lb. TDI polyurethane.



FormFlex™ Seat Base

Pitch: Flex-back chairs feature a dining pitch in the non-flexed position, while non-flex back chairs feature event pitch.

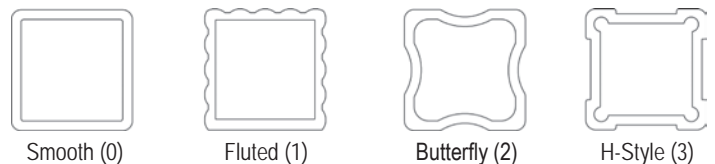
Standards: Essential Series chairs meet or exceed all applicable tests from ANSI / BIFMA X 5.1 - 2002. All upholstery and foam meet or exceed California Bulletin 117.

Weight Capacity: 1,000 [454kg] lbs.

Stacking: Optimal storage density is 10 chairs per stack. Stack density is 4.9" [12.4cm] per chair.

Warranty: Mity-Lite, Inc. warrants its Essential Series chair frames to be free from defects in materials and workmanship under normal use, service, and handling for a period of twelve [12] years. Mity-Lite, Inc. warrants its chair fabric, foam, seat base and paint for a period of one [1] year from the date of purchase. Customer's Own Material must meet Mity-Lite standards. Upholstery or frame are NOT warranted for outdoor use.

Frame Tube Profiles



Essential Series Aluminum Chair Back Shapes

