

Frame	Model	Back Shape	Seat Height	Overall Height	Width	Seat Depth	Overall Depth	Weight	Flex Back	Required Fabric
Steel	ES410	Crown	19" (48cm)	37" (94cm)	18" (46cm)	15.8" (40cm)	22" (56cm)	16.5 lbs. (7.5kg)	+1.5 lbs	.94 yds / Striped 1.15 yds
Steel	ES420	Oval	19" (48cm)	37" (94cm)	18" (46cm)	15.8" (40cm)	22" (56cm)	15.1 lbs. (6.8kg)	+1.5 lbs	.94 yds / Striped 1.15 yds
Steel	ES430	Round	19" (48cm)	37" (94cm)	18" (46cm)	15.8" (40cm)	22" (56cm)	15.4 lbs. (7.0kg)	+1.5 lbs	.94 yds / Striped 1.15 yds
Steel	ES440	Square	19" (48cm)	37" (94cm)	18" (46cm)	15.8" (40cm)	22" (56cm)	17.4 lbs. (7.9kg)	+1.5 lbs	.94 yds / Striped 1.15 yds

Frame: The front, back, and legs are made of .866" [20mm], 18 gauge [1.3mm] tubular steel. The seat support is made of .5" [12.7mm], 18 gauge [1.0mm] tubular steel. Each weld is approximately 1" [25.4mm] long. The leg is welded in 8 places.

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

Ganging: Two optional ganging devices are available. The frame ganging device is comprised of 3/16" [5mm] solid steel rod and is welded to the seat frame. The gap between chairs when ganged is 3 1/4" [83mm] 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] 18 gauge [1.3mm] tubular steel and add to the stability of the steel frame.

Frame Finish: Finish is an electrostatically applied powder coating over a phosphate treated steel 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], .31" [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 designed to flex with the weight of the user. The seat attaches to the chair via three molded-in front tabs inserted into corresponding attachment points in the steel frame, and four molded-in rear clips which snap around the underside seat support. Foam is 2.5" [64mm] thick high-resiliency 3.75 lb. TDI polyurethane.

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.

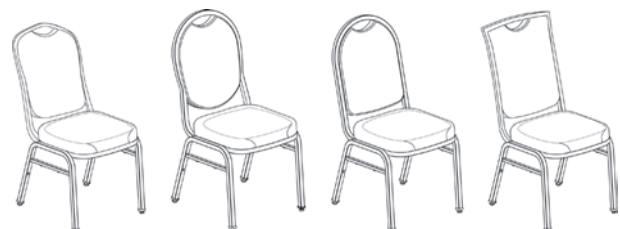
Stacking: Optimal storage density is 10 chairs per stack. Stack density is 4.8" [12cm] per chair.

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.



FormFlex™ Seat Base

Essential Series Steel Chair Back Shapes



Crown
ES410

Oval
ES420

Round
ES430

Square
ES440