

Product Design Green B
Espress-O-Table

October 31, 2008

Product Description: Collapsible, easily storable, coffee table
 Intended Customers: Design conscious individuals
 Market: High-end, designer furniture

Usability/Practicality

Customer Needs	Product Attributes	Technical Specifications
User can raise and lower table without assistance	Low activation force User time to raise or lower table Grasp points for lifting Stability Freefall speed of tabletop User Protection Load Capacity Pragnanz: obvious, simple	The user will exert no more than 15-25 lbs. of user force User time of 15 sec. -1 min. to open table 3 side grips Does not tip over with 5 lbs. of force at longest lever arm during normal use Freefall speed of 0.5 - 2 m/sec Sharp points are not accessible during normal use No pinch points Maximum load of 250-400 lbs. Applies Gestalt Grouping laws and human factors principles
Has sufficient usable table space	Surface area	700- 1000 in. ² tabletop area
Is durable under repeated use	Number of times product can be opened and closed Product Lifetime	2500-5000 use cycles 10 -15 years
Will fit design aesthetic of intended user's home	User Acceptance Operational Noise Height of Table in Use	User acceptance testing (UAT) 40-60 dB 18" Open height of table
Can be easily stored by customer	Geometry Footprint Area	30" Circular Diameter Less than 30" x 30" x 3.5" height