

Bill of Materials: Input Material & Purchased Components

Designer's Name: Dhruval
Project Name: Aerocase

Input material/part	Used for fabricating	Material	Qty.	Dimensions/weight
Aluminum sheet	Bottom case, links, handle side attachments	Al 5052 sheet	1	34"x17"x0.04"
Lumber wood	Top covers, handle	Common pine	20"x8"x1" 2 pcs, 8"x8"x1" 1pc	20"x8"x1"/8"x8"x1"
Duron sheet	Top cover	Duron	1	-
Cast Aluminum	Drum Lock	A356	1	-
Foam	Foam insert	Polyurethane	4	16"x12"x1"
Philips Head Binding Screw Post	-	Carbon steel	8	M5 x 4mm
Hexagon head machine screw	-	Stainless steel	1	1/4-20 x 1"
Philips truss head wood screw	-	Carbon steel	10	#8 x 1/2"
External retaining ring	-	Steel	1	1/4"
Pop rivets	-	Aluminum	8	1/8" x 1/4"
Helicoil	-	Stainless steel	1	1/4-20 UNC 2D
Spray paint+primer	-	chestnut gloss	1	12 oz (340gm)