

Improved Army Combat Boot Prototype Salient Characteristics

Prototype A

- Upper - Army Jungle Combat Boot (Jungle Combat Boot GL-PD-16-05, 03 October 2016; Attachment 0002) style upper, with the following modifications:
 - Flex/Comfort notch in eyestay between eyelets and speed lace loops
 - Non-absorbent knit mesh vamp liner and inside heel counter pocket
 - Knit mesh tongue gusset
 - Nylon coated aluminum speed lace loops and eyelets
 - Three lacing eyelets and four speed lace loops per side
 - Softened full-grain leather
 - Less rigid/more flexible counter and box toe
- Soling
 - Vibram "LiteBase" style outsole, or equal, with lug depth of no more than 5.5-mm and based thickness of no more than 1.5-mm
 - MegaGrip rubber compound
 - Polyether polyurethane midsole of density no greater than 0.40-gm/cm³, with a height of no more than 35-mm from outsole
 - Construction may be cement or direct attach

Prototype B

- Upper - Hot Weather Mountain Combat Boot (Hot Weather Mountain Combat Boot GL-PD-14-06; Attachment 0003) style upper, with the following modifications:
 - Perforated vent holes in the medial and lateral sides of the leather ankle support straps as well as the midfoot area
 - No rubber rands at the toe or heel
 - Aluminum speed lace loops and eyelets
 - Split leather or thinner full-grain flesh-out leather, Coyote 498 in color
 - Coyote 498 color 1000D Nylon exterior fabric
 - Light padding on tongue, vamp lining, and inside counter pocket
 - insole board
 - Less stiff, non-padded insole board or Strobel
 - Thicker removable cushion insert/footbed
- Soling
 - Vibram Crossbow outsole, with a polyurethane cushion heel plug
 - MegaGrip compound Coyote 498 in color
 - Sidewall stitch between outsole and upper

Prototype C

- Upper:
 - Coyote 498 throughout exterior
 - Split or low weight full-grain flesh-out leather in vamp, outside heel counter, and eyestays
 - Upper fabrics not limited to nylon, may include knit mesh
 - Strobel lasted
 - Unlined, other than vamp and heel counter pocket
 - No padding
 - Fiberglass, nylon, or steel shank
 - Perforated leather vent holes or breathable mesh no more than 1.5-inch above soling
 - Flex/Comfort notch in eyestays
 - Heel counter more flexible than current Hot Weather Army Combat Boot (MIL-DTL-32237C)
- Soling
 - Cement construction; may include stitch at heel and/or toe
 - Midsoles of no more than 0.35-gm/cm³ density; may be polyether poly urethane, polyester polyurethane blend, or ethylene-vinyl acetate
 - Rubber or polyether polyurethane outsole
- Total boot weight should not exceed 1.35-lbs
- Total boot height should be no less than 8-inches measured externally from the ground, including soling

Prototype D

- Upper:
 - Coyote 498 throughout exterior
 - Overlasted upper, i.e. leather upper wrapped around a polyurethane cushion (not visible from the exterior of the boot) adhered to an insole board below
 - Heel counter and box toe should extend beyond past the cushion midsole to the insole board
 - Fully lined and padded upper
 - Shank or rigid insole board to provide stiffness in the midfoot
 - Split leather or softened flesh-out full-grain leather
 - Perforated leather vent holes or breathable mesh no more than 1.5-inch above soling
- Soling:
 - Rubber outsole cemented directly to the leather upper and insole board; may include stitching of the outsole to the upper at the toe and heel
- Total boot weight should not exceed 1.80-lbs
- Total boot height should be no less than 8-inches measured externally from the ground, including soling