

**PowerMount Contender**

1. **WALL STRUCTURE** – Entire wall mount structure shall be constructed of 2” square tubing. Structure shall be designed to allow for a wall-to-backboard offset of 12”. Wall structure shall be designed to accommodate any backboard with an industry standard 20”x 35” backboard mounting pattern. All mounting brackets shall be no less than ¼” thick and all hardware shall be grade 5 zinc plated. Structure shall be finished with black powder coat paint. Steel structure shall be attached to support wall with fasteners provided by installer.
2. **BACKBOARD** – Backboard shall be constructed of ½” thick tempered glass with an official white shooter’s square and border and shall have a 5”x4” goal mounting pattern. Frame shall be aluminum extrusion held together in the corners by means of corner brackets. Rear structure shall provide for industry standard 20”x35” mounting. At the rim mounting location, glass shall be sandwiched between two cushioned steel plates. Top rim mounting bolts shall pass through tubular steel bushings. Forward facing, lower rim mounting studs are pre-mounted into steel faceplate on board. Rear structure shall be designed to allow backboard to be mounted to structures where fan-shaped boards previously existed. Backboard shall meet all NCAA and National Federation of State High School Associations standards. Frame shall be pre-drilled for First Team Model FT72C TuffGuard Backboard Padding.
3. **GOAL DESIGN** – Goal shall be constructed using 5/8” diameter steel ring with continuous wire netlock attachment. Ring shall be the official 18” inside diameter. All backplate components shall be constructed of 3/16” thick steel. The mounting plate shall be punched with hole patterns for mounting to any 5”x 5” and 5”x4” mounting patterns. The rim support brace shall be ¼” x 1 ½” steel and provide continuous support around 50% of the ring. The breakaway mechanism shall be of the positive lock design, factory preset. An automatic return shall be provided by means of a single return spring which shall also cushion the breakaway action when the pressure release setting has been exceeded. Two hardened steel balls shall be contained in a tubular assembly with each being forced outward with equal pressure by a detent. Said ball/detent mechanism shall provide proper breakaway pressure. All pinch points shall be eliminated for player safety. All components shall be coated with an official orange powder coated finish. A white nylon net and mounting hardware shall be provided.
4. **WARRANTY** – Entire system shall carry a Lifetime Limited Warranty. Shipping weight shall be approximately 265#.