

**RoofMaster Nitro Basketball System**

**ROOF MOUNTING STRUCTURE** – Structure shall be all welded steel construction. Two ¼” thick roof struts shall be provided with elongated slots for ease of attachment (hardware for attachment to roof not provided). Two 1 ¾”x 1 ¾” perforated tubes, I-Rod and 3/16” thick support channel shall also be provided. These items shall be designed to form a variety of configurable shapes allowing the structure to be mounted to virtually any roof pitch. Attachment area required shall be approximately 36”x 54”. Two safety brackets and turnbuckles shall be included to further secure the structure to the roof.

**EXTENSION ARMS** - Adjustable extension arms shall be constructed of dual 2” x 2” tubing. A height adjustment crank cylinder shall be mounted within the extension arms and have a minimum 2000# capacity rating. Standard installation shall allow for rim height to be adjusted infinitely from 10’ down to 7 ½’. Two springs mounted in the extension assembly shall be included to minimize the amount of effort required to adjust the goal height when raising or lowering the unit. A removable crank handle shall be provided. Design shall permit the rim to be mounted directly to the extension arm through the backboard so as to reduce stress on the backboard. An easy-to-read height adjustment label shall register rim height.

**BACKBOARD** – Constructed of 1/4” thick clear tempered glass with bright white ceramic markings fired into the glass. The framework shall be constructed from clear anodized aluminum “L” type extrusions. Overall backboard size shall be approximately 60” wide and 36” high.

**RIM** - Standard rim shall be of a flexible type so as to absorb the stress of player contact. Spring action shall be provided by a heavy-duty compression wire spring. A steel cover plate must enclose entire internal mechanism. All structural components shall be built of no less than 3/16” steel. Rim shall be of institutional quality with an official 5/8” diameter high strength steel ring supported by a 3/16” brace supporting 60% of the ring. Rim shall be punched to mount either a 3”x 4” or 5”x 5” hole pattern. Orange powder coated finish.

**WARRANTY** - Structure, backboard, and standard rim shall carry Lifetime Limited Warranty. Entire system weight shall be approximately 258#.