

“Champion Seat Bleacher Mount” Fact Sheet

September 2005

The bleacher mount can be retrofitted onto preexisting bleachers or mounted on top of cement risers.

1. Seat and Back

The seat pan and back are built with solid injection molded polypropylene with maximum UV inhibitors. No break polypropylene flexes and cradles your body while giving you support making it extraordinarily comfortable. Seat is formed to fit the contour of the body when in the sitting position. Rear edge of the seat conforms to the curvature of the back. All edges of the seat are finished with a radius. The textured grain is damage and scratch resistant.

Seat back is available in solid or slat back. The seat is available in 23", 22", 21" or 20" (584 mm, 559 mm, 533mm, 508mm) center armrest to center armrest widths. Six standard colors are available, royal blue, red, green, yellow, black and maroon. Custom colors are also available.

2. Self Lifting Seat

The seat contains an automatic $\frac{3}{4}$ fold lift up system and mechanism providing a folding resistance system guided by heavy teflon coated 8 gauge torsion spring springs on steel axles independently extruded. The carriage is a lift system in which the seat rotates up on a stainless steel rod. Alignment is kept with a guided track. The spring system is totally enclosed with an outer automotive grade no break super tough nylon protective casing that never wears out and is self lubricating. This increases the life of the hinge and eliminates the need for external lubrication.

Seat will pass a 800 pound static test load at edge of seat. The seat has a 13" envelope, increasing seating capacity. The multiple curves give the spectator long time support. The waterfall at the front of the seat pan reduces pressure points.

3. Standards

The standards are made of the new state-of-the-art no break polypropylene. The standards have a width of **2 ½"** inches. They are bolted to the bleacher or on top of the cement riser with 4 bolts. Width of center of armrest to center of armrest, 23". Advantages of all plastic versus steel and cast iron standards is there is no rust and no chipping of paint. No break plastic is corrosion and chemical resistant. Plastic has more flexibility than steel or cast iron. The flexural modulus is 80,000 per square inch. It has no break characteristics but will flex to adjust to site conditions.

4. Polypropylene Characteristics

The component materials for this chair meet the requirements specified in this table: Plastic has impact resistant automotive grade application.

1. Tensile Strength: 4600 psi on aisle standards
11,500 psi on protective hinge casing
2. Flexural Strength: no break IZOD factor of 15 on aisle standards
15,000 psi on protective hinge casing
3. Melting Temperature: 320 degrees F on aisle standards
550 degrees F on protective hinge casing
4. Flammability Rating: No flash point, no combustion on aisle standards
No flash point, no combustion on protective hinge casing.

5. Hardware

Automotive grade cadmium plated or stainless steel fasteners with acorn nut chrome plated nuts. Included in carriage system are support fasteners, a stainless steel support rod and springs.

