

SPECIFICATION

PREFERRED SEATING

CHAMPION SPORT SEAT

SECTION 1: GENERAL SPECIFICATIONS

1.1 SCOPE OF WORK: Deliver and install specified bleacher or riser mounted Champion Sport stadium chairs. The Champion Sport Seat can be retrofitted onto bleachers or mounted on top of cement risers.

1.2 ACCEPTANCE AND STUDY OF WORK ON SITE: A seating layout plan of the site is required. Defects on the risers or bleachers which may influence the satisfactory completion and performance of the seating work will be corrected prior to the beginning of seating work.

1.3 FIELD MEASURE TO VERIFY: Take field measurements to verify finished dimensions and make necessary adjustments to shop drawings to reflect the actual field conditions.

1.4 SEATING LAYOUT: The complete seating plan developed from the contract drawings shall show the location of all chairs, sizes, aisle locations and alignment, and installation details. Assume complete responsibility for accuracy of all chair measurements shown on the seating plan.

1.5 QUALITY REQUESTS: Fully operational for strength, comfort and design, ergonomically confluent seat contour for proper posture alignment.

BASE SPECIFICATION:

SPECIFIED
Preferred Engineering

FIXED CHAIR
Champion Sport Seat

1.6 APPROVALS

Any manufacturer that has prior approval must meet the specifications as written, no deviations.

1.7 BIDDERS RESPONSIBILITIES: The bidder shall provide the following with his bid:

Minimal requirement:

- a. A complete set of descriptive literature showing the model of chair proposed, including dimensional details.
- b. A complete set of specifications.
- c. Complete seating layout.

1.8 DELIVERY: Deliver the seating at jobsite for timely installation with the other trades in the project.

1.9 WORKMANSHIP AND MATERIALS:

- a. All new materials of colors and designs as specified.
- b. Sign off completed work to the owner in undamaged condition.
- c. Provide highest quality to the owners of workmanship in skilled labor and materials to complete job.

2.0 WARRANTY:

- a. Preferred Seating warrants the Champion Sport Seat for a period of five years from the date of shipment against manufacturing defects at the time of completion and signoff of job.
- b. Replacements or repairs of the Champion Sport Seat due to defects in manufacturing or materials are fully covered in this warranty. Normal deterioration of products due to weather, wear and tear, or other causes that do not affect functional use are not covered by Preferred Seating. Improper installation, assemblage, accidental incidents, abuse and vandalism are not covered in this warranty.
- c. All warrantee problems must be arranged through Preferred Seating and have a warrantee authorization number before Preferred Engineering sends a crew out to replace/repair any problem that may occur.

SECTION 2: MATERIAL SPECIFICATIONS

2.1 PLASTIC COMPONENTS:

- a. High density injection molded plastic shall be one-piece, high impact, linear polyethylene with built-in ultra-violet light inhibitors to retard fading, and anti-static compounds to retard dirt attraction. Solid polypropylene is strong (no break, no tear) and resistant to fading.
- b. Plastic shall have a maximum burn rate of 1” per minute when tested in accordance with ASTM D635, or Department of Transportation Motor Vehicle Safety Standard No. 302.
- c. The component materials for this chair shall meet the requirements specified in this table: Plastic has impact resistant automotive grade application.

Property	Support Brace No Break Polypropylene
No break plastic gives you rigidity and enough flex with a no break IZOD factor of 15.	
Tensile Strength (per square inch) (psi)	4,600 lbs
Flexural Strength (psi)	3,000 lbs
Flexural Modulus (psi)	80,000 lbs
IZOD	No Break IZOD 15
Melting Temperature(°F/°C)	320/160
Izod Test Temperature	-40 F
Flammability Rating	Impact result showed no change No flash point No combustion

c. Hardware: All hardware used for assembling the seat will be rust resistant and stainless steel.

SECTION 3: CONSTRUCTION

3.1 CHAIR BACKS:

The chair back is built with solid injection molded polypropylene with maximum UV inhibitors. 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. Seat has an overall back height of 21" high (533 mm). The textured grain is damage and scratch resistant. Seat back is available in solid or slat back.

The back is available in 18" or 17" (457 mm 432 mm) widths.

3.2 FIXED SEAT PAN:

a. The seat pan is available in 18" or 17" (457mm, 432mm) widths. Seat pan depth is 17" or 12" inches (short bucket) (457mm, 305mm) . The polypropylene plastic gives malleable flexibility which increases seating comfort. The multiple curves give the spectator long time support. The waterfall at the front of the seat pan reduces pressure points. The seat pan shall be fixed and bolted to top of the bleacher plank with 4 ($\frac{3}{8}$ ") carriage bolts, two in front, two on top. Seats shall be attached to the cement risers by means of 2 or 4 approved lead shield $\frac{1}{4}$ " expansion bolts not less than 3" long.

3.3 Support Brace:

Support brace shall be "solid no break polypropylene". The back brace shall be 14" long, 2 $\frac{1}{2}$ " wide, 1" deep. The seat pan brace shall be 14" long, 4" wide and 3" deep. The seat pan support brace is designed to accept the seat back brace providing flex at joint for strong support. See chart for properties of no break polypropylene. No break plastic is corrosion and chemical resistant. The flexural modulus shall be 80,000 per square inch. It has no break characteristics and will flex to adjust to site conditions.

3.4 NUMBER AND LETTER PLATES: Number or letter plates, riveted, 2 $\frac{3}{4}$ " by 1 $\frac{3}{4}$ ", shall be provided as shown on the approved seating layout. The number plates shall be secured to the seat back by 4 rivets. Optional, adhesive backs.

SECTION 4: EXECUTION

4.1 SCOPE OF WORK: Installation work to be performed by factory trained professional personnel engaged in installation of seating for minimum of 5 years under the direction of a capable installation superintendent, in a manner satisfactory to the Architect, and the job turned over to the owner with all chairs complete and ready to use.

4.2 SEATING LAYOUT: The seating layout shall be reproduced on the bleachers or risers and all dimensions checked against the approved seating plan with necessary adjustments made in the layout for all discrepancies.

4.3 CLEANING: Remove all debris caused by this work from the premises.