

## "Midwest" 80 Series Portable Stages & Risers

### General Description

Furnish a (fixed height) (dual height) portable stage system \_\_\_\_ ft. wide x \_\_\_\_ ft. deep x \_\_\_\_ inches high. The finished deck of the stage system shall have a (hardboard) (polypropylene) (carpet) surface. The legs of stage units shall fold for compact storage. The stage system shall be equal in size, capacity, quality, design and construction to portable stage set number \_\_\_\_ manufactured by Midwest Folding Products, Chicago, Illinois.



### Capacity

All units must be designed to carry a uniform live load of at least 200 lbs. per square foot. Written laboratory test data must be submitted on request.

### Decking

A solid, plywood core shall be surfaced with one of the following:

**OPTION 1:** 1/8" thick tempered hardboard.

**OPTION 2:** Polypropylene sheet.

**OPTION 3:** Carpet: The decking shall measure at least 3/4" in thickness. The perimeter of the decking shall be routed to allow the frame to fit flush with the top surface and cover the edges of carpeting.

### Frame

A 16 gauge, formed steel channel, 1-13/16' high shall be reinforced with a 16 gauge steel angle welded to the inside of the channel. The angle shall provide a continuous support to which the decking is secured with screws placed a maximum of 9° apart. The frames shall completely enclose the top, bottom and edges of the decking perimeter preventing the decking and any specified covering from becoming loose or damaged. All areas where frame members are joined together shall be reinforced with steel plates attached with rivets.

### Leg Structure (Fixed Height)

Each leg assembly shall be constructed of 1.05" diameter, 14 gauge steel tubing capped at the point of floor contact with high impact plastic glides. The vertical load bearing members shall be joined at the top by a full width, steel tube to provide maximum support to the stage deck. The top of each leg assembly shall fold open and closed, rotating within 16 gauge steel saddle clips that are secured with at least four screws. Leg assemblies shall be braced by friction type braces, equipped with a spring locking device to secure the legs in the open and closed position. Braces shall be secured to the leg assembly with rivets and to the decking using a minimum of six screws and two bolts installed through the decking. It shall require only three leg assemblies to fold when opening or closing each riser unit. Legs shall open and close using only one hand. Gravity ring type brace locks are not acceptable.

### Leg Structure (Dual Height)

Dual height leg assemblies are to be constructed, attached and shall fold in similar fashion to fixed height leg assemblies, but shall be constructed of 1.05" and 1.25" diameter, 14 gauge steel tubing. The leg assembly shall be constructed to allow the stage height to be positioned at two different heights having an eight inch differential. Braces shall open and close with one hand. Gravity ring type brace locks are not acceptable. Height adjustment shall be made by rotating the leg 180 degrees and engaging it into a locking stud. Stage units shall require only three leg assemblies to be adjusted to accomplish a change in height.

### Couplings

Stage units shall be equipped with drop-in type couplings that allow stage units of the same or different heights to be joined together. All couplings shall be permanently secured to each unit. Coupling devices not permanently attached are not acceptable.

### Metal Finish

All metal parts shall be thoroughly cleaned, phosphatized and uniformly coated with a high-grade enamel paint by electrostatic process and then baked to enhance their durability. All painted metal components shall be furnished in black or brown color.

### Accessories

Guard rails: Guard rails shall be furnished to protect the back and sides of the stage as well as both sides of any stairs to be furnished. Guard rails shall be constructed of 1W diameter, 14 gauge, steel tubing. Guard rails shall quickly attach to stages by clamping on to the frame and bolting through the decking. Bolts and threaded inserts shall be provided by the manufacturer.

### Warranty

All stage components shall be free of defects in materials and workmanship for a period of 10 years.