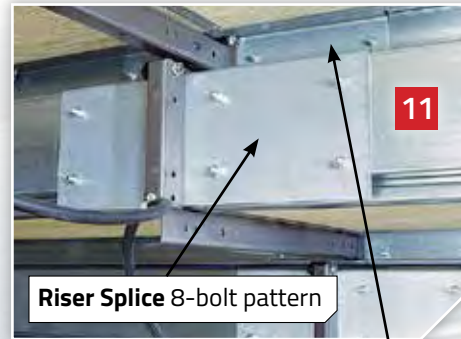


The strongest understructure in the industry!



Riser Splice 8-bolt pattern

Nosebeam Splice 4-bolt pattern



Interkal supports the NFPA-102 mandate for annual bleacher inspection and maintenance. We strongly recommend a routine maintenance program.

The Interkal understructure is designed for maximum load-bearing capacity and eliminates deflection. It is constructed from the strongest and most durable materials in the industry for dependable performance you can count on for years to come. Because this understructure has few moving parts, trouble-free operation is assured with routine maintenance.

1 Sway Braces: All Interkal seating systems are stabilized by sway braces attached to the vertical columns and steel risers for maximum strength and resistance to movement. (Sway braces not required on rows 1 and 2.) Sway braces fabricated from steel are essential for vertical post bleachers to resist the compression and tension forces created when the bleachers are loaded.

2 Vertical Posts: Electric-welded continuous 2" x 3" closed seam, rectangular structural steel tubing produces the strongest and safest vertical columns. Post size increases depending on row height and load-bearing requirements.

3 Deck Supports: Deck support brackets are more rigid than competitive designs to help prevent sagging and potential binding during operation. All deck supports incorporate rollers for efficient operation and deck stability.

4 Nose Beam: All Interkal seating options incorporate a structural continuous galvanized nose beam, resulting in a uniform understructure. This component provides superior strength, continuous support for the plywood deck, and the flexibility to achieve any aisle location/configuration.

5 Superslide System: The low-friction flexible rod system guarantees positive engagement of vertical supports without binding, assuring smooth operation over uneven floor conditions. The superslide system maintains proper vertical column spacing, reduces wear, and helps eliminate racking damage.

6 Row Locks:

- Stabilize the bleacher under load in the extended position by securely locking each support post to an adjacent post.
- Automatically engage and release for opening and closing operation.
- Individual row locks make it possible to open any number of rows without opening the entire bank of bleachers.

7 H Beams: The aluminum "H" Beams located at every plywood joint provide continuous support from rear riser to nosebeam. It also facilitates ease of cleaning by eliminating unsightly gaps.

8 Wheel Channels:

- Wheel channels accommodate 8 to 12 wheels per channel for maximum weight distribution and operating ease.

- Wheel channels are precision formed from a single piece of steel coil for maximum rigidity.

- Heavy-duty composition rubber wheels are provided in a 3½" diameter by 1½" tread width.

- All wheels are provided with a ½" diameter steel axle secured with tamper-proof retaining rings.

- Wheels are equipped with oil-impregnated sintered metal bearings to assure smooth operation.

9 Deck Support Rollers: Nylon rollers at the top of every deck support minimize friction for smoother, quieter operation and enhanced deck stability. Our rollers eliminate steel-to-steel contact which would hinder the operation of the bleacher.

10 Riser Beam: Multi-bend component provides superior structural integrity.

11 Section Joints: 18" steel plates at every nose and riser to ensure the most rigid section joint available

Safety Features
Safety is the first and foremost concern in each and every Interkal design. The following key safety features are available:

- Limit switches on non-friction automatic power systems
- Plastic covers at every nosebeam exposed end and/or handicap location
- Removable pendant control attaches to the front of the seating system for added visual safety during operation of all automatic power systems
- Superslide System to insure positive engagement of all vertical posts
- Rear closure panels to prevent debris from collecting under units
- Aisles and rails in compliance with applicable code requirements



Applications: Telescopic Systems to fit a variety of facility configurations

Reverse-Fold Systems

(shown upper level, below) are designed for applications where space behind the bleacher stack is desired for other activities when the bleacher is not in use. This is common in areas such as mezzanines or balconies. Up to 18 rows can be specified with this system (over 18 rows, consult factory).



Forward-Fold Systems

(shown lower level, below) are the most typical application of telescopic seating in which the bleachers open in the forward direction. They are available up to 24 rows (over 24 rows, consult factory) and utilize either wall attachment or free-standing floor attachment.



Recessed Systems (below)

require minimal clearance to fit conveniently under a balcony overhang and maximize usable floor space when the bleachers are stacked. Available with any of the Interkal seating options up to 24 rows (over 24 rows, consult factory). Add one of our automatic power options for easy operation.



Mobile Systems (shown below left)

consisting of single sections of bleachers can be used in one part of a building and stored in another. They offer increased flexibility and are available with any seating option up to 14 rows at 10 3/4" rise and 12 rows at 11 1/2" rise. (over 14 rows, consult factory). Portable hydraulic dollies are provided for transport to various spectator or storage areas.



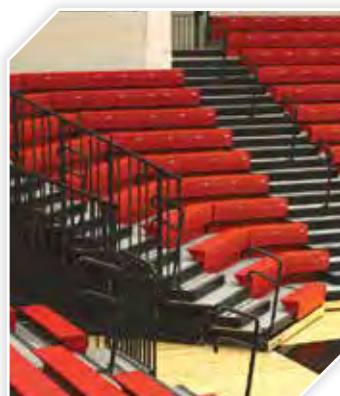
Custom Seating Arrangements Available:

- Pie-shaped sections for radiused configurations (shown far right)
- Truncated sections / notchouts to comply with the Americans with Disabilities Act (ADA) requirement for wheelchair seating
- Elevated front and rear walkways and cross aisles as required for code compliance, as well as improved sight lines
- Cut-outs for columns that extend out from rear wall

Please consult factory on these and other custom seating arrangements.

Free-Standing Floor-Attached Systems (shown above right)

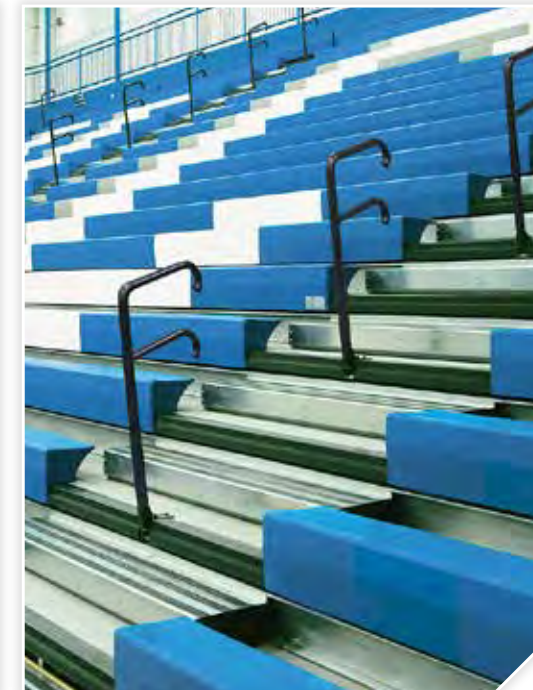
are designed for applications where bleachers are required to be located away from walls or when wall construction prohibits attachment (shown here with back rails and back panels).



Self-Storing Aisle Rails

The Perfect Solution For Saving Set-Up Labor

- Aisle Rails are permanently bolted in position and automatically store in the deck, ensuring that the rails are in place at all times for spectator safety.
- This innovative design eliminates the need to individually set up each rail, maximizing labor savings.
- Revolutionary Patented Self-Storing Aisle Rails (SSAR)™ are exclusively from the leader in telescopic seating—Interkal!

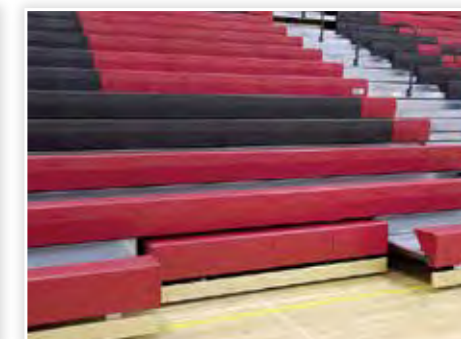


Provisions to Comply with ADA

We Engineer Flexibility Into Your ADA Compliance



36" wide, 1-row deep single notchout



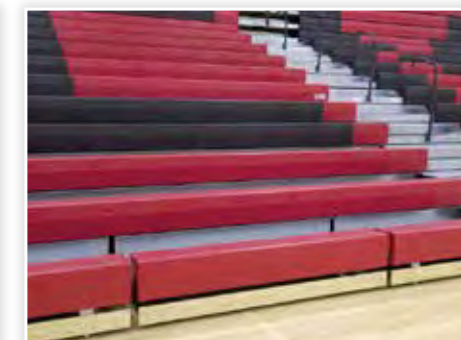
Double 1-row deep recoverable notchout shown in ADA mode



Recovered 1-row deep truncations



1-row deep double notchout with optional front rail



Double 1-row deep recoverable notchout shown in recovered mode



Double 1-row deep permanent notchout

Power Options

Nonfriction Power System (Right)

This is a fully-automatic power system designed to open and close wall-attached, recessed or reverse-fold telescopic bleachers at the touch of a button—without the need for traction force on the floor. Typically used for higher-row applications, it has the capacity to move more rows of bleachers than any other mechanical power system developed for the telescopic seating market. Limit switches are used to stop the 2HP, 208-230VAC, 3-phase motor in the fully open or closed positions. The chain drive pusher links assure years of dependable performance as well as nonslip, straight line operation.

Wide Track Power System (Below)

Our Wide Track Power System is U.L. listed and incorporates friction drive rollers as an integral part of the first row horse assembly. The two friction roller assemblies are linked by a continuous drive shaft driven by a ½ H.P. 208V, 3-phase motor. This continuous drive shaft controls drive roller operation in a straight, efficient manner—especially important on bleacher banks which include numerous notchouts or truncations.



Options & Accessories

1 Safety End Rails

are required on open ends of telescopic seating systems. Our self-storing end rails offer great convenience. These are designed and tested to meet all current building code requirements. Removable end rails are also available when required.

2 Vinyl Side Curtains

close off the ends of the bleacher with a heavy-duty laminated vinyl. Grommets at every hanger location, chainweight bottom hem. Available in 13 colors.

3 Aisle Center Rails

are installed on alternating rows and are available in both self-storing or quarter-turn types. Removable aisle rails are available when required.

4 Intermediate Steps

are designed to comply with applicable code requirements by providing an equal depth and height foot surface between rows. Safety abrasive tread is provided on all steps.

5 Video Platforms

are engineered to provide a stable platform for filming sporting events safely—integrated right into the seating system.

6 Removable Timer's Table

is an 18" by 96", high-pressure laminated work surface with removable legs which can be utilized at any location. The table leg assembly is constructed of tubular steel and the legs are easily removed for storage within the seating system.

7 End Panels

are designed to deter access behind units in the stored position.

8 Back Rails & Panels

are used on mobile, free-standing and reverse-fold units to provide added safety and close off access to the understructure.

9 Black Polydeck

offers a unique, sharp upgrade to our standard grey polydeck.

Additional Accessories

- Forward travel (aisle recovery for reverse fold units)
- Seat numbering on seat modules
- Vinyl ball deflectors
- Front rails
- Extended back panels
- Column cut-outs
- Balcony access steps

