

Interkal Telescopic Seating Systems



 **Interkal**[®]

Design Your Own Custom Seating System



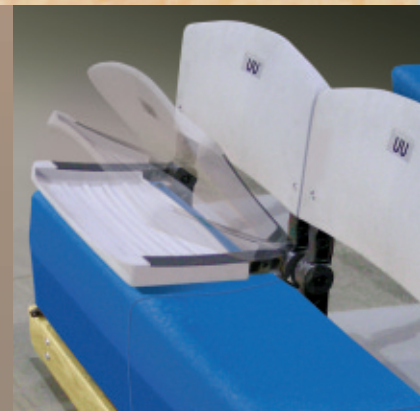
Interkal offers a wide variety of quality products and the expertise to design and engineer a complete seating package for the multi-purpose facility.



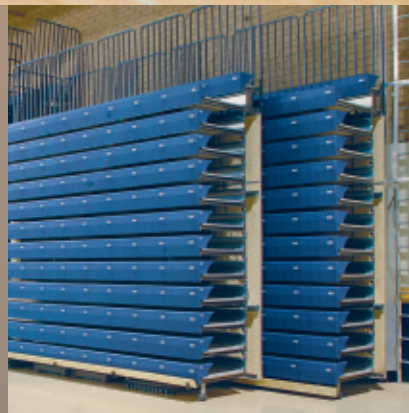
SculptureSeat Modules (SSM)



SculptureSeat Modules mounted on concrete



SSM with optional fully automatic Comfoback™ backrests



Above photo courtesy of
Concordia University,
Nebraska

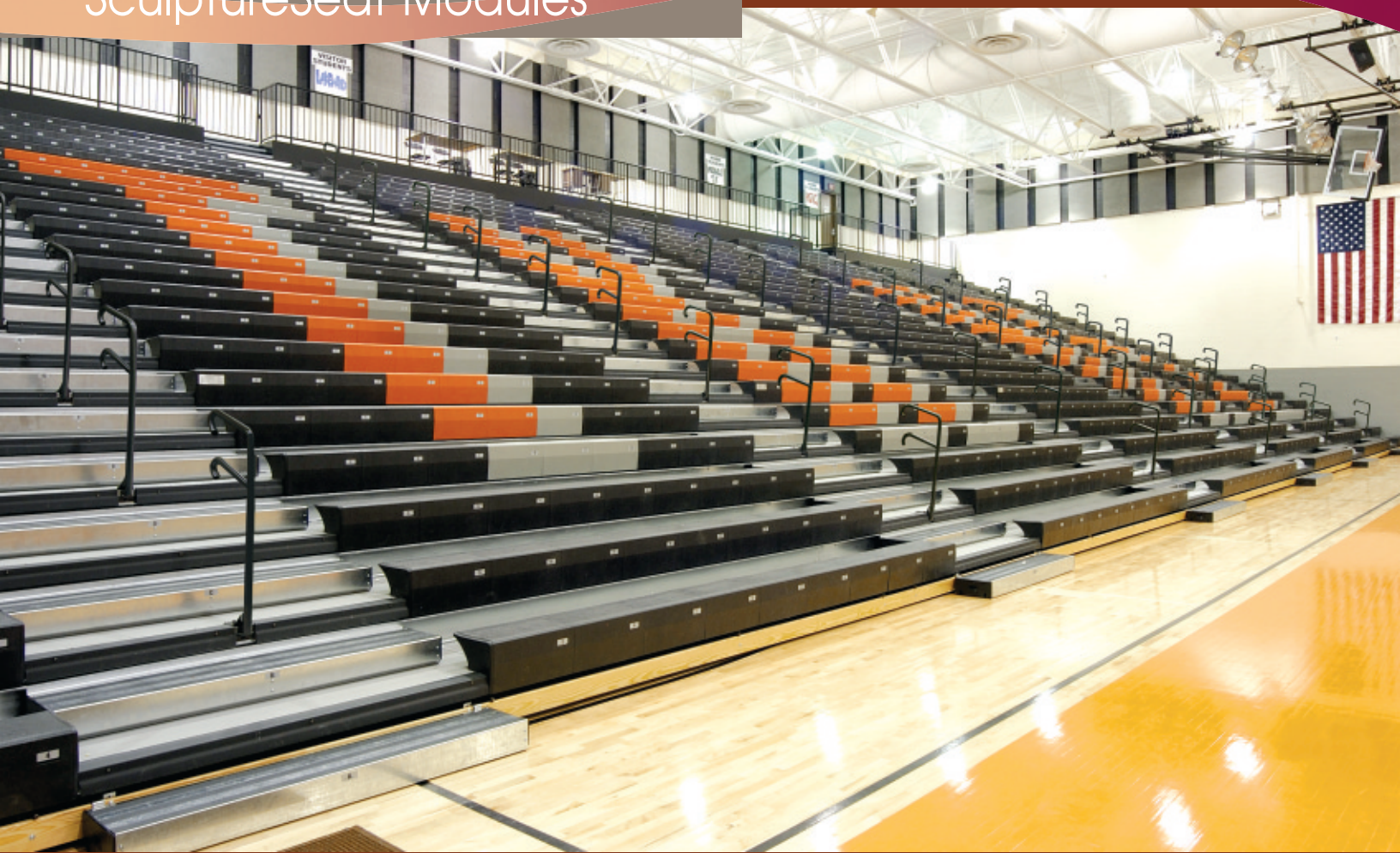
SC Stadium Chair

PC Platform Chair

Mobile Units



SculptureSeat Modules



Features that make SculptureSeat an excellent value:

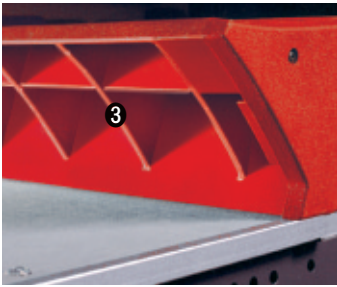
Durability

• Modules are constructed of one-piece injection molded high strength polyethylene which resists stains and will not splinter or warp. The molded-in solid color will not fade or wear out.

❶ For maximum rigidity, the specially designed attaching clamp provides a steel-to-steel connection of the module to the 14-gauge galvanized steel nose beam.

❷ Each module incorporates full 1/2" perimeter interlocks to secure one module to the next for increased strength.

❸ Five vertical and two lateral ribs inside each module provide superior strength and are positioned for easy cleaning.



Comfort

❹ Plastic seat modules are anatomically-contoured to achieve greater spectator comfort.

❺ Each 18"-wide Interlocking module provides a minimum adult seat height of 16-1/2" for greater comfort, even over extended periods.

• Contoured module produces more leg room.

Appearance

• Strong horizontal lines of a sculptured face and wide range of available colors dramatically increases aesthetic appeal and provides for interior design or school color options.

❻ Modular design concept clearly delineates each seat space and allows for ease of replacement should it ever become necessary. A recess in the module allows for optional seat numbering.

• Modules are available in 10" and 12" depths depending upon front to back row spacing and code requirements.

❼ Optional seat numbers shown.

Easy Maintenance

- Easy to clean. easy to sweep –no obstructions.
- No debris traps or exposed hardware.

Solid Color Sculptureseat Modules

These modules feature re-designed end caps and a full 360-degree interlock connection.

Our wide range of 15 standard colors will complement any decor. Colors shown here are color-coordinated with light grey polydeck.

Custom module colors, other than those shown, as well as contrasting end caps are available upon request*. Color depictions will vary slightly from actual color. Please contact your local Interkal representative to verify your color selection.

*May be subject to a slight additional charge.



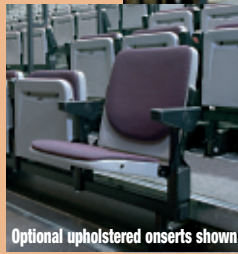
Chairs on VIP Platform



VIP Platform Features:

- Available in 30", 32" and 33" spans.
- 2"x4" vertical posts.
- Double c-shape 11-gauge deck supports at every vertical post.
- 11-gauge Deck supports.
- Rollers located at every deck support and vertical post for ease of operation and deck stability.

Available with manual or semi-automatic individual chair groups (with upholstery or without), bench seating, bench seating with folding contoured plastic backrests or any combination of seating types.



Optional upholstered inserts shown

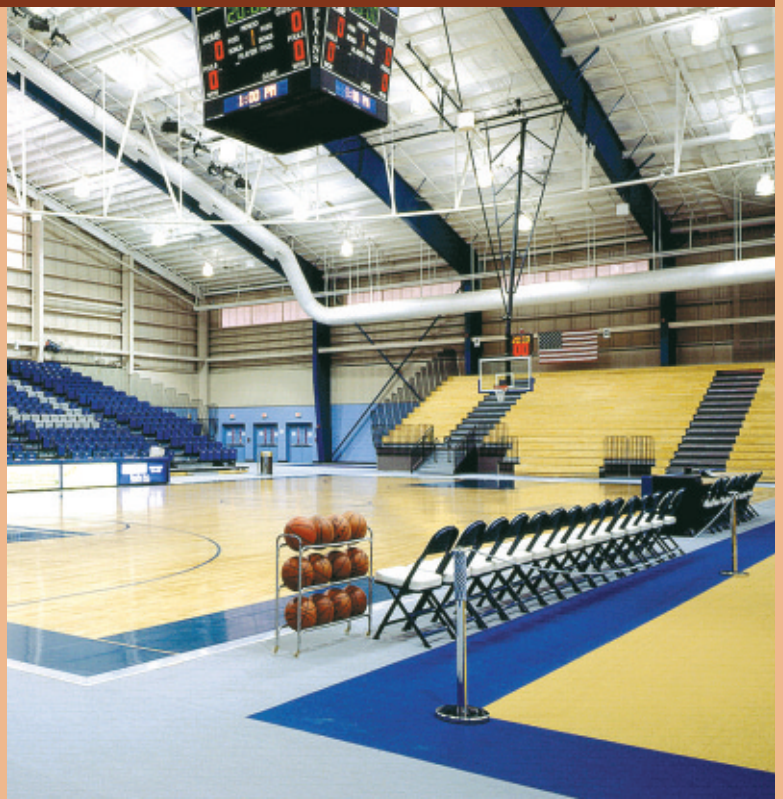


Typical combination of Platform Chairs and SculptureSeat Modules

Classic Wood



Classic Wood Bench Seating. Constructed of southern yellow pine lumber, intercalated wood seats and front riser boards are richly finished in classic style to greatly enhance the appearance of any gymnasium or fieldhouse.

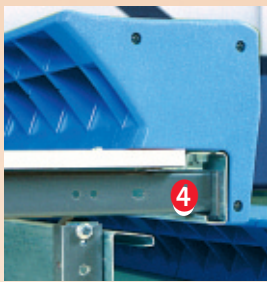


The strongest understructure in the industry!

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.

Vertical Columns & Deck Supports For Unmatched Safety & Security

- 1 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 Electric-welded continuous 2"x3" 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 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 Nosebeam Construction

All Interkal seating options incorporate a structural continuous galvanized nosebeam to which the seat surface is attached, 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 Innovative Superslide System

- Low friction flexible rod system guarantees positive engagement of vertical supports without binding assuring smooth operation over uneven floor conditions.
- 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 Aluminum "H" Beam located at every plywood joint provides continuous support from rear riser to nosebeam. Also facilitates ease of cleaning by eliminating unsightly gaps.



Interkal supports the NFPA-102 mand
We strongly recomm



Plywood
Closed Deck

10
14 ga. Galvanized
Rear Riser

8 One-Piece Wheel Channels

- Wheel channels accommodate 8 to 12 wheels per row for maximum weight distribution and operating ease. The number of wheels increase as the number of rows increase.
- Wheel channels are precision formed from a single piece of steel coil for maximum rigidity.
- The heavy duty composition rubber wheels are provided in a 3-1/2" diameter by 1-1/8" tread width. This increased tread width allows for increased distribution of loads to the flooring surface.
- All wheels are provided with a 1/2" diameter steel axle secured with tamper-proof retaining rings.
- Wheels are equipped with oil impregnated sintered metal bearings to assure smooth operation.



9 Rollers On Each Deck Support

Nylon rollers at the top of every deck support minimize friction for smoother, quieter operation and enhanced deck stability. *This totally eliminates steel to steel contact which would hinder the operation of the bleacher.*



10 Multi-bend Riser Component

Provides superior structural integrity.



Nosebeam
Splice
4-bolt pattern.

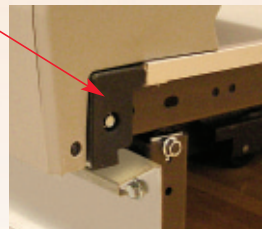
Section Splice

(shown above) 8-bolt pattern for superior joint connections.

Safety Features

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

- Plastic covers at every nosebeam exposed end and/or handicap location.
- Limit switches on non-friction automatic power systems.
- 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.



ate for annual bleacher inspection and maintenance.
end a routine maintenance program.

Applications

Telescopic Systems to fit a variety of facility configurations.



Reverse-Fold Systems (Shown upper level, above) Reverse-Fold systems 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, above) This is 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 This system requires minimal clearance to fit conveniently under a balcony overhang and maximizes 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.



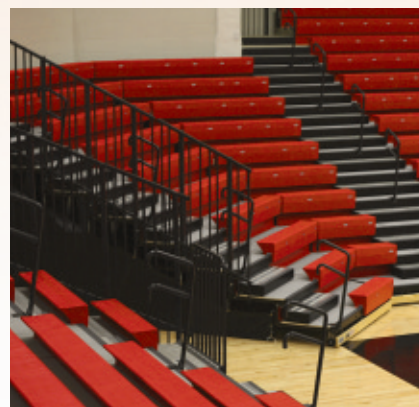
Mobile Systems consisting of single sections of bleachers can be used in one part of a building and stored in another. They offer increased flexibility and are available with any seating option up to 14 rows at 10-1/4" rise and 12 rows at 11-1/2" rise. (over 14 rows, consult factory). Portable hydraulic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



Free-Standing Floor-Attached Systems 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.)

Custom Seating Arrangements Available:

- Pie-shaped sections for radiused configurations (shown 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.



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)TM 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



Double 1-row deep recoverable notchout shown in recovered mode



Recovered 1-row deep seating truncations

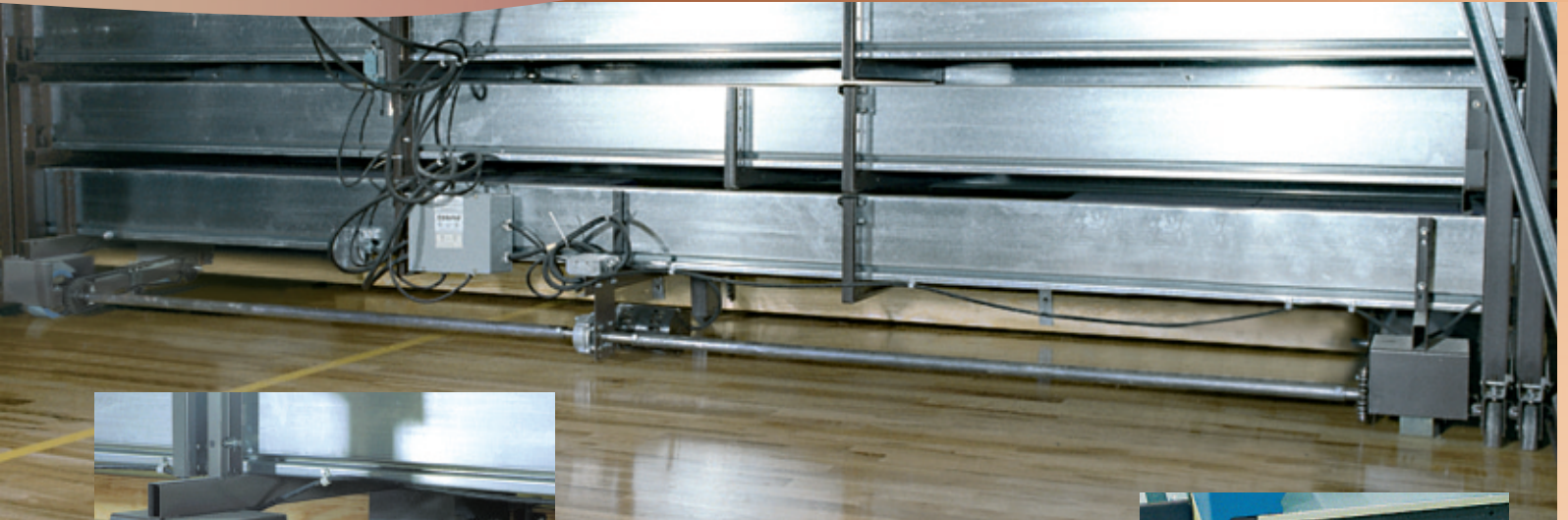


Double 1-row deep permanent notchout



1-row deep double notchout with optional front rail

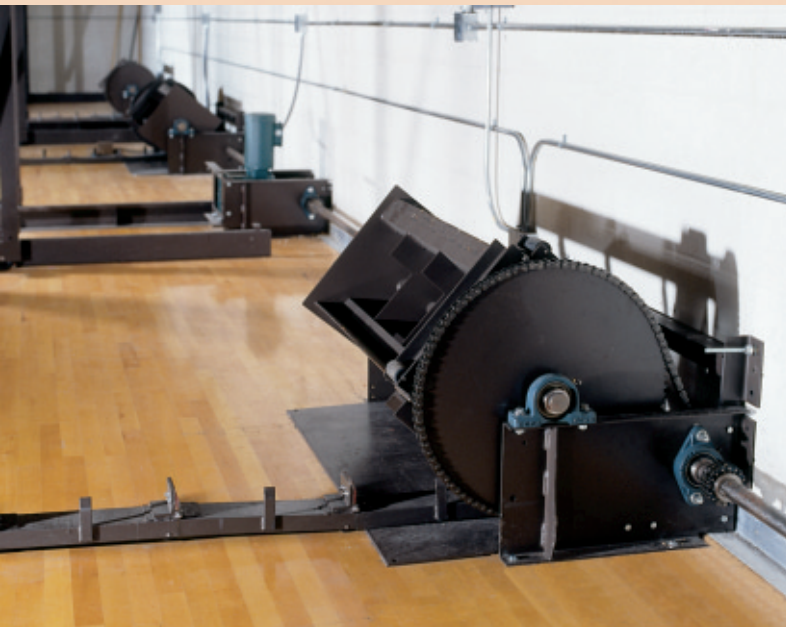
Power Options



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 horse assemblies are linked together by a continuous drive shaft driven by a 1/2 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.



Pendant Switch



Nonfriction Power System

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 non-slip, straight line operation.

Moto-Folder Power System (not shown)

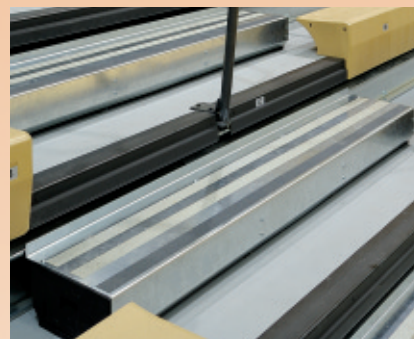
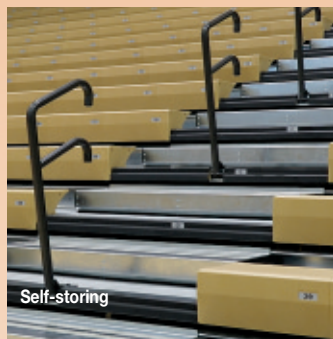
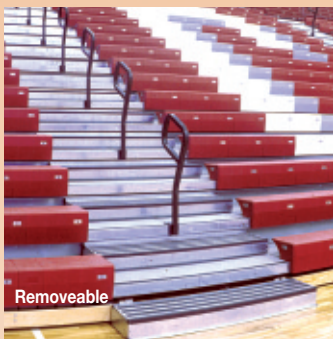
The Moto-Folder is engineered for one-person operation of telescopic bleachers on hard floor surfaces. The unique white tires will not leave scuff or tire tracks on the floor. The Moto-Folder is designed to operate telescopic systems up to 12 rows. The system is powered by a heavy duty 110-120VAC motor complete with a 100-ft electrical cord. It requires only a standard electrical wall receptacle.

Options & Accessories



Safety End Rails: 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 national building code requirements. **Removable End Rails** (above right) are also available.

Vinyl Side Curtains close-off the ends of the bleacher with a heavy duty laminated vinyl. Grommets at every hanger location, chain-weight bottom hem. Available in 9 colors.



Aisle Center Rails are installed on alternating rows and can be removable or permanently attached (SSAR—shown on page 11). Also available, but not shown, is our folding aisle rail.

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.

Filler Board closes off the last row at seat level and helps prevent debris accumulation.



Both End and Back Panels are constructed of 15/32" AC grade plywood supported by a steel frame. Panels are finished to match the deck board surface in light grey polydeck coating and are trimmed with aluminum edging. (Mats shown are provided by others)

Removable Timer's Table
A 15-inch by 96-inch, 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 table can be used at multiple locations within the seating system.

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

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



Portable Step Assembly

Video Platform

For ADA Provisions
see page 11.

Additional Accessories

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

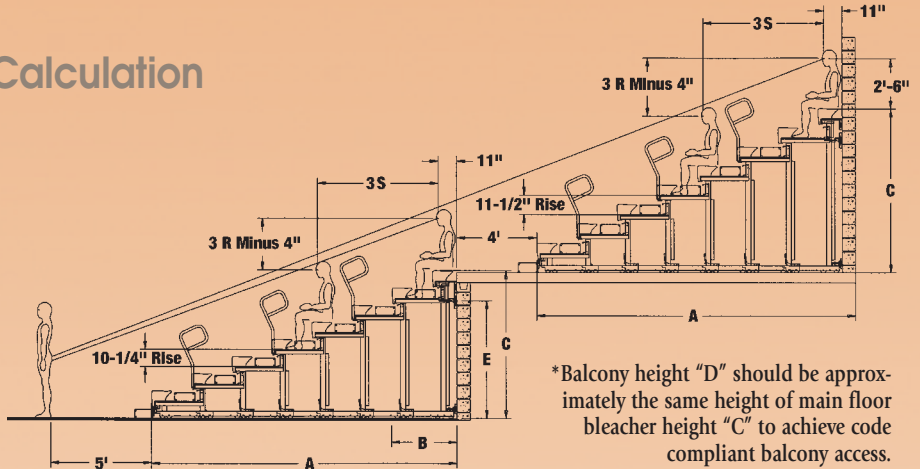
Technical Information

Bleacher Sight Line & Space Calculation

Code (for illustration and space charts)

- "A" Depth of gymnasium seating extended.
- "B" Depth of gymnasium seating closed.
- "C" Height of unit. (top row seat height)
- "D" Balcony height.
- "E" Wall Tie height.

S = Seat Spacing (22", 24", 26", 30", 32" or 33").
 R = Rise (10-1/4" or 11-1/2").



*Balcony height "D" should be approximately the same height of main floor bleacher height "C" to achieve code compliant balcony access.

Table of Dimensions (metric equivalents in centimeters)

No.	Extended Dimension - Forward Fold*						Seatboard Height**	Wall Tie Height**	Seatboard Height**	Wall Tie Height**
	22" Span (56 cm)	24" Span (61 cm)	26" Span (66 cm)	30" Span (76 cm)	32" Span (82 cm)	33" Span (84 cm)	"C"	"E"	"C"	"E"
	Ft. (cm)	Ft. (cm)	Ft. (cm)	Ft. (cm)	Ft. (cm)	Ft. (cm)	Ft. (cm)	Ft. (cm)	Ft. (cm)	Ft. (cm)
3	5'-1/2" (154)	5'-2-1/2" (159)	5'-6-1/2" (170)	6'-6-1/4" (199)	6'-8-1/4" (204)	6'-9-1/4" (207)	3'-1" (94)	1'-7" (48)	3'-4-3/4" (103)	1'-9-1/2" (55)
4	6'-10-1/2" (210)	7'-2-1/2" (220)	7'-8-1/2" (236)	9'-1-1/4" (275)	9'-4-3/16" (285)	9'-6-1/4" (291)	3'-11-1/4" (120)	2'-5-1/4" (74)	4'-4-1/4" (132)	2'-9" (84)
5	8'-8-1/2" (266)	9'-2-1/2" (281)	9'-10-1/2" (302)	11'-6-1/4" (352)	12'-3/16" (367)	12'-3-1/4" (374)	4'-9-1/2" (146)	3'-3-1/2" (100)	5'-3-3/4" (161)	3'-8-1/2" (113)
6	10'-6-1/2" (322)	11'-2-1/2" (342)	12'-1/2" (368)	14'-1/4" (428)	14'-8-3/16" (448)	15'-1/4" (458)	5'-7-3/4" (172)	4'-1-3/4" (126)	6'-3-1/4" (191)	4'-8" (142)
7	12'-4-1/2" (378)	13'-2-1/2" (403)	14'-2-1/2" (434)	16'-6-1/4" (504)	17'-4-3/16" (529)	17'-9-1/4" (542)	6'-6" (198)	5'-0" (152)	7'-2-3/4" (220)	5'-7-1/2" (171)
8	14'-2-1/2" (434)	15'-2-1/2" (464)	16'-4-1/2" (500)	19'-1/4" (580)	20'-3/16" (611)	20'-6-1/4" (626)	7'-4-1/4" (224)	5'-10-1/4" (178)	8'-2-1/4" (249)	6'-7" (201)
9	16'-1/2" (490)	17'-2-1/2" (525)	18'-6-1/2" (566)	21'-6-1/4" (656)	22'-8-3/16" (692)	23'-3-1/4" (710)	8'-2-1/2" (250)	6'-8-1/2" (204)	9'-1-3/4" (278)	7'-6-1/2" (230)
10	17'-10-1/2" (546)	19'-2-1/2" (586)	20'-8-1/2" (632)	24'-1/4" (733)	25'-4-3/16" (773)	26'-1/4" (793)	9'-0-3/4" (276)	7'-6-3/4" (230)	10'-1-1/4" (308)	8'-6" (259)
11	19'-8-1/2" (601)	21'-2-1/2" (647)	22'-10-1/2" (698)	26'-6-1/4" (809)	28'-3/16" (854)	28'-9-1/4" (877)	9'-11" (302)	8'-5" (256)	11'-0-3/4" (337)	9'-5-1/2" (288)
12	21'-6-1/2" (657)	23'-2-1/2" (708)	25'-1/2" (764)	29'-1/4" (885)	30'-8-3/16" (936)	31'-6-1/4" (961)	10'-9-1/4" (328)	9'-3-1/4" (283)	12'-0-1/4" (366)	10'-5" (317)
13	23'-4-1/2" (713)	25'-2-1/2" (769)	27'-2-1/2" (830)	31'-6-1/4" (961)	33'-4-3/16" (1017)	34'-3-1/4" (1045)	11'-7-1/2" (354)	10'-1-1/2" (309)	12'-11-3/4" (395)	11'-4-1/2" (347)
14	25'-2-1/2" (769)	27'-2-1/2" (830)	29'-4-1/2" (896)	34'-1/4" (1037)	36'-3/16" (1098)	37'-1/4" (1129)	12'-5-3/4" (380)	10'-11-3/4" (335)	13'-11-1/4" (424)	12'-4" (376)
15	27'-1/2" (825)	29'-2-1/2" (891)	31'-6-1/2" (962)	36'-6-1/4" (1114)	38'-8-3/16" (1180)	39'-9-1/4" (1213)	13'-4" (406)	11'-10" (361)	14'-10-3/4" (454)	13'-3-1/2" (405)
16	28'-10-1/2" (881)	31'-2-1/2" (952)	33'-8-1/2" (1028)	39'-1/4" (1190)	41'-4-3/16" (1261)	42'-6-1/4" (1296)	14'-2-1/4" (432)	12'-8-1/4" (387)	15'-10-1/4" (483)	14'-3" (434)
17	30'-8-1/2" (937)	33'-2-1/2" (1013)	35'-10-1/2" (1094)	41'-6-1/4" (1266)	44'-3/16" (1342)	45'-3-1/4" (1380)	15'-0-1/2" (458)	13'-6-1/2" (413)	16'-9-3/4" (512)	15'-2-1/2" (463)
18	32'-6-1/2" (993)	35'-2-1/2" (1074)	38'-1/2" (1160)	44'-1/4" (1342)	46'-8-3/16" (1423)	48'-1/4" (1464)	15'-10-3/4" (484)	14'-4-3/4" (439)	17'-9-1/4" (541)	16'-2" (493)
19	34'-4-1/2" (1048)	37'-2-1/2" (1135)	40'-2-1/2" (1226)	46'-6-1/4" (1418)	49'-4-3/16" (1505)	50'-9-1/4" (1548)	16'-9" (510)	15'-3" (465)	18'-8-3/4" (570)	17'-1-1/2" (522)
20	36'-2-1/2" (1104)	39'-2-1/2" (1196)	42'-4-1/2" (1292)	49'-1/4" (1495)	52'-3/16" (1586)	53'-6-1/4" (1632)	17'-7-1/4" (536)	16'-1-1/4" (491)	19'-8-1/4" (600)	18'-1" (551)
21	38'-1/2" (1160)	41'-2-1/2" (1257)	44'-6-1/2" (1358)				18'-5-1/2" (562)	16'-11-1/2" (517)	20'-7-3/4" (629)	19'-0-1/2" (580)
22	39'-10-1/2" (1216)	43'-2-1/2" (1318)	46'-8-1/2" (1424)				19'-3-3/4" (588)	17'-9-3/4" (543)	21'-7-1/4" (658)	20'-0" (610)
23	41'-8-1/2" (1272)	45'-2-1/2" (1379)	48'-10-1/2" (1490)				20'-2" (614)	18'-8" (569)	22'-6-3/4" (687)	20'-11-1/2" (639)
24	43'-6-1/2" (1328)	47'-2-1/2" (1440)	51'-1/2" (1556)				21'-0-1/4" (640)	19'-6-1/4" (595)	23'-6-1/4" (716)	21'-11" (668)
25	45'-4-1/2" (1384)	49'-2-1/2" (1501)	53'-2-1/2" (1622)	CONSULT FACTORY	CONSULT FACTORY	CONSULT FACTORY	21'-10-1/2" (666)	20'-4-1/2" (621)	24'-5-3/4" (746)	22'-10-1/2" (697)
26	47'-2-1/2" (1440)	51'-2-1/2" (1562)	55'-4-1/2" (1689)				22'-8-3/4" (692)	21'-2-3/4" (647)	25'-5-1/4" (775)	23'-10" (726)
27	49'-1/2" (1495)	53'-2-1/2" (1622)	57'-6-1/2" (1755)				23'-7" (718)	22'-1" (673)	26'-4-3/4" (804)	24'-9-1/2" (756)
28	50'-10-1/2" (1551)	55'-2-1/2" (1683)	59'-8-1/2" (1821)				24'-5-1/4" (744)	22'-11-1/4" (699)	27'-4-1/4" (833)	25'-9" (785)
29	52'-8-1/2" (1607)	57'-2-1/2" (1744)	61'-10-1/2" (1887)				25'-3-1/2" (770)	23'-9-1/2" (725)	28'-3-3/4" (863)	26'-8-1/2" (814)
30	54'-6-1/2" (1663)	59'-2-1/2" (1805)	64'-1/2" (1953)				26'-1-3/4" (796)	24'-7-3/4" (751)	29'-3-1/4" (892)	27'-8" (843)

* For Reverse-Fold or Mobile Operation, ADD 4-1/2" to Extended Dimension.

** For Closure Board / Last Deck Height, SUBTRACT 6-3/16" from Seatboard Height. (Typ. all seating surfaces)

Closed Dimension

No. Rows	Forward Fold ^{2,3}			Reverse Fold ^{1,3}			Mobile ³
	Manual	Friction	Non-Friction	Manual	Friction	Non-Friction	Manual
	22 / 24	22 / 24	22 / 24	22 / 24	22 / 24	22 / 24	22 / 24
3-10	3'-2-5/8" (98)	3'-2-5/8" (98)	3'-8-1/2" (113)	3'-8-1/4" (112)	5'-8-1/4" (173)	5'-8-1/4" (173)	3'-6-1/4" (107)
11-12	3'-2-5/8" (98)	3'-2-5/8" (98)	3'-8-1/2" (113)	5'-8-1/4" (173)	5'-8-1/4" (173)	5'-8-1/4" (173)	3'-6-1/4" (107)
13	3'-2-5/8" (98)	3'-2-5/8" (98)	3'-8-1/2" (113)	5'-8-1/4" (173)	5'-8-1/4" (173)	5'-8-1/4" (173)	3'-6-1/4" (107)
14	3'-2-5/8" (98)	3'-2-5/8" (98)	5'-4-1/2" (163)	5'-8-1/4" (173)	5'-8-1/4" (173)	5'-8-1/4" (173)	3'-6-1/4" (107)
15	3'-2-5/8" (98)	3'-2-5/8" (98)	5'-4-1/2" (163)	Not Recommended	5'-8-1/4" (173)	5'-8-1/4" (173)	Not Recommended
16-20	Not Recommended	3'-2-5/8" (98)	5'-4-1/2" (163)	Not Recommended	5'-8-1/4" (173)	5'-8-1/4" (173)	Not Recommended

For projects over 23 rows, consult factory.

1 26" Span, add 4" to stack size.
Aisle recovery may also change stack size.

2 26" Span, add 2" to stack size.

3 SSAR - Add 4-1/8" SSM-10 4-7/16"
 SSAR - Add 4-1/8" SSM-12 4-7/16"
 SSAR - Add 2-1/4" CSM-10 2-9/16"
 SSAR - Add 1" CSM-12 1-5/16"

10.25R

11.5R

Closed Dimension - Wide Deck (Wall Attached Only)

No. Rows	Manual			Power*		
	30"	32"	33"	30"	32"	33"
3-10	4'-0-1/4" (123)	4'-2-1/2" (128)	4'-3-1/2" (131)	4'-0-1/4" (123)	4'-2-1/2" (128)	4'-3-1/2" (131)
11-20	Not Recommended	Not Recommended	Not Recommended	4'-0-1/4" (123)	4'-2-1/2" (128)	4'-3-1/2" (131)

* All dimensions for the power section of this chart are based on the Wide Track power system.

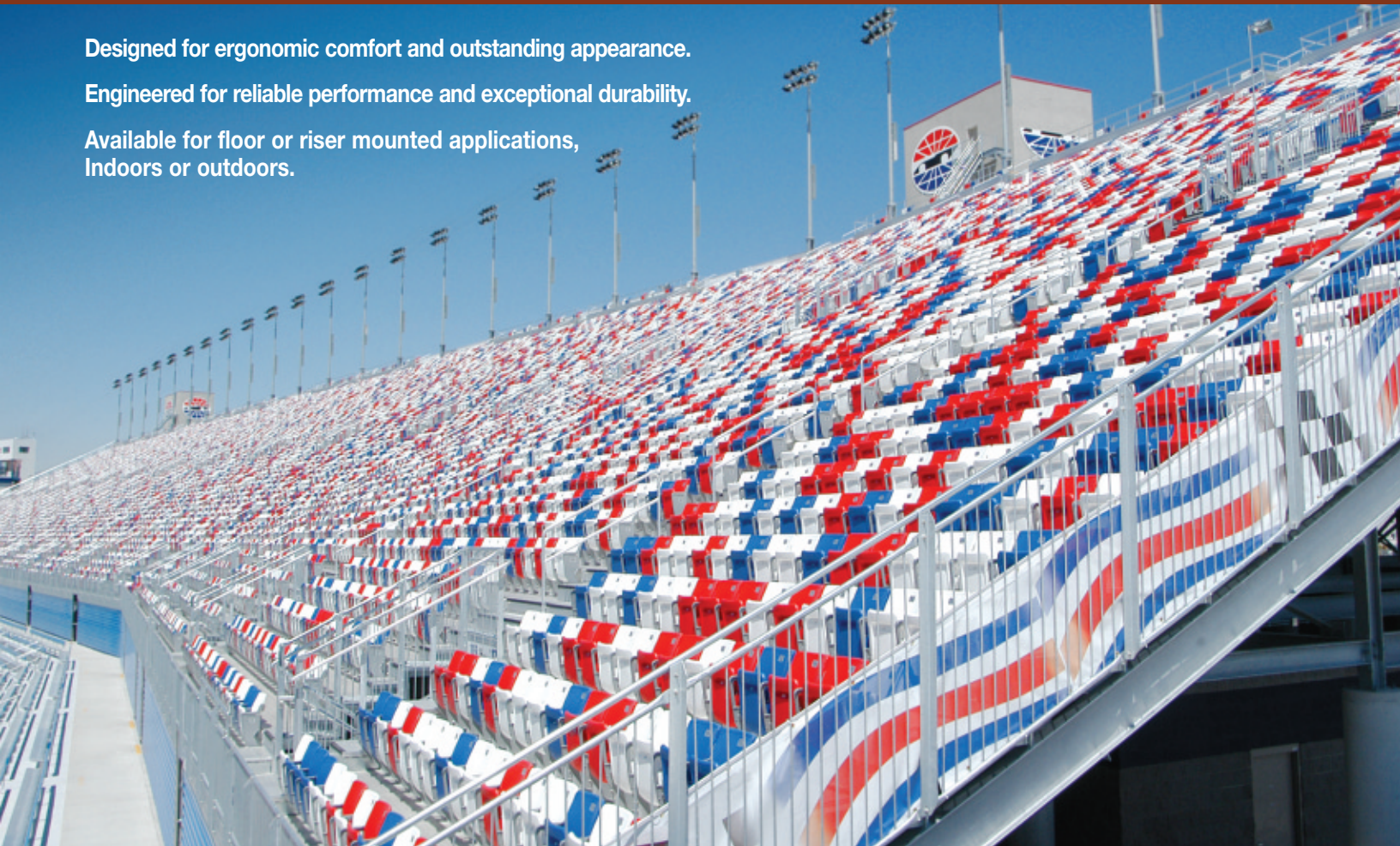
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Designed for ergonomic comfort and outstanding appearance.
Engineered for reliable performance and exceptional durability.
Available for floor or riser mounted applications,
Indoors or outdoors.



Gross Seating Capacity Chart

FT CM	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
12' 365	24	32	40	48	56	64	72	80	88	96	104	112	120	128	136	144	152	160	168	176	184	192	200	208	216	224	232	240
14' 426	27	36	45	54	63	72	81	90	99	108	117	121	135	144	153	162	171	180	189	198	207	216	225	234	243	252	261	270
16' 487	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300
18' 548	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216	228	240	252	264	276	288	300	312	324	336	348	360
20' 609	39	52	65	78	91	104	117	130	143	156	169	182	195	208	221	234	247	260	273	286	299	312	325	338	351	364	377	390
24' 731	48	64	80	96	112	128	144	160	176	192	208	224	240	256	272	288	304	320	336	352	368	384	400	416	432	448	464	480
28' 853	54	72	90	108	126	144	162	180	198	216	234	252	270	288	306	324	342	360	378	396	414	432	450	468	486	504	522	540
32' 975	63	84	105	126	147	168	189	210	231	252	273	294	315	336	357	378	399	420	441	462	483	504	525	546	567	588	609	630
36' 1097	72	96	120	144	168	192	216	240	264	288	312	336	360	384	408	432	456	480	504	528	552	576	600	624	648	672	696	720
40' 1219	78	104	130	156	182	208	234	260	286	312	338	364	390	416	442	468	494	520	546	572	598	624	650	676	702	728	754	780
44' 1344	87	116	145	174	203	232	261	290	319	348	377	406	435	464	493	522	551	580	609	638	667	696	725	754	783	812	841	870
48' 1463	96	128	160	192	224	256	288	320	352	384	416	448	480	512	544	576	608	640	672	704	736	768	800	832	864	896	928	960
52' 1582	102	136	170	204	238	272	306	340	374	408	442	476	510	544	578	612	646	680	714	748	782	816	850	884	918	952	986	1020
54' 1645	108	144	180	216	252	288	324	360	396	432	468	504	540	576	612	648	684	720	756	792	828	864	900	936	972	1008	1044	1080
56' 1706	111	148	185	222	259	296	333	370	407	444	481	518	555	592	629	666	703	740	777	814	851	888	925	962	999	1036	1073	1110
60' 1828	120	160	200	240	280	320	360	400	440	480	520	560	600	640	680	720	760	800	840	880	920	960	1000	1040	1080	1120	1160	1200
64' 1950	126	168	210	252	294	336	378	420	462	504	546	588	630	672	714	756	798	840	882	924	966	1008	1050	1092	1134	1176	1218	1260
66' 2011	132	176	220	264	308	352	396	440	484	528	572	616	660	704	748	792	836	880	924	968	1012	1056	1100	1144	1188	1232	1276	1320
68' 2072	135	180	225	270	315	360	405	450	495	540	585	630	675	720	765	810	855	900	945	990	1035	1080	1125	1170	1215	1260	1305	1350
72' 2194	144	192	240	288	336	384	432	480	528	576	624	672	720	768	816	864	912	960	1008	1056	1104	1152	1200	1248	1296	1344	1392	1440
76' 2316	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500
78' 2377	156	208	260	312	364	416	468	520	572	624	676	728	780	832	884	936	988	1040	1092	1144	1196	1248	1300	1352	1404	1456	1508	1560
80' 2438	159	212	265	318	371	424	477	530	583	636	689	742	795	848	901	954	1007	1060	1113	1166	1219	1272	1325	1378	1431	1484	1537	1590
84' 2560	168	224	280	336	392	448	504	560	616	672	728	784	840	896	952	1008	1064	1120	1176	1232	1288	1344	1400	1456	1512	1568	1624	1680
88' 2682	174	232	290	348	406	464	522	580	638	696	754	812	870	928	986	1044	1102	1160	1218	1276	1334	1392	1450	1508	1566	1624	1682	1740
90' 2743	180	240	300	360	420	480	540	600	660	720	780	840	900	960	1020	1080	1140	1200	1260	1320	1380	1440	1500	1560	1620	1680	1740	1800
92' 2804	183	244	305	366	427	488	549	610	671	732	793	854	915	976	1037	1098	1159	1220	1281	1342	1403	1464	1525	1586	1647	1708	1769	1830
96' 2926	192	256	320	384	448	512	576	640	704	768	832	896	960	1024	1088	1152	1216	1280	1344	1408	1472	1536	1600	1664	1728	1792	1856	1920
100' 3048	198	264	330	396	462	528	594	660	726	792	858	924	990	1056	1122	1188	1254	1320	1386	1452	1518	1584	1650	1716	1782	1848	1914	1980

This chart, showing **Number Of Rows**, is intended only as a guide and is based on gross seating capacity. **No allowance has been made for aisles or ADA notchouts and truncations. Aisle space must be subtracted** from gross seating capacity. Consult factory for specific seat count or for seating over 24 rows.



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