

THE IRWIN DIFFERENCE

People, Products & Services

For more than 100 years, Irwin Seating Company's sole focus has been on meeting our customers' needs for public seating solutions. We achieve this through innovative, thoughtful design, by manufacturing the industry's most durable products, and by providing unmatched service before, during, and after the installation of a project. Everyone at Irwin Seating Company is focused on quality and customer satisfaction. This commitment is what the Irwin Difference is all about and why Irwin Seating is the world's leading supplier of spectator seating solutions.

We understand the delicate balance between form and function. Our experience and expertise allows us to offer unique custom "specials" and value engineered solutions to fit the design criteria and budget for almost any project.

We start by listening to the design team to gain an understanding of the project's unique needs. We can provide design consultation for seating layouts, sightline studies and recommendations for ADA compliance to ensure an unencumbered experience by all. With an unequalled variety of telescopic systems to choose from, and our vast selection of seating options and accessories, we're here to help make your next telescopic seating project a complete success!

Talk with your Irwin Seating representative today and experience the Irwin Difference.



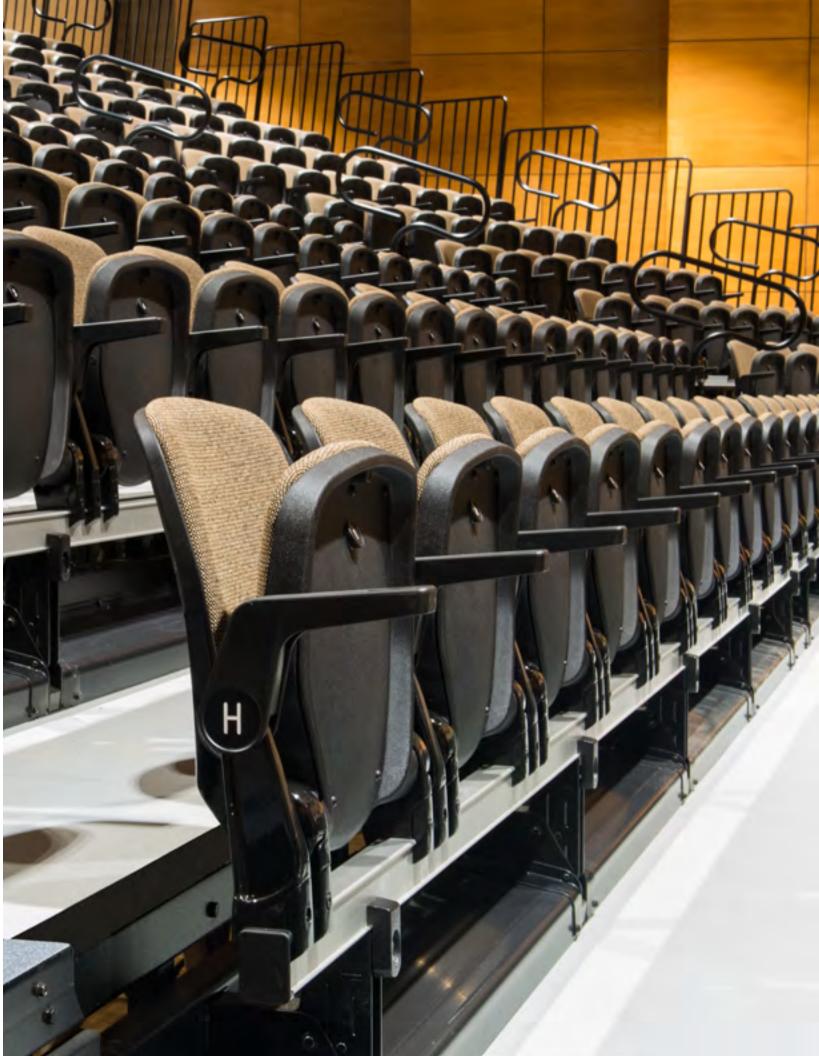
Taylor University, Odel Arena - Upland, Indiana



Hays High School - Hays, Kansas



Right: Comstock Park High School - Comstock Park, Michigan



INFINITY SEAT MODULE

Color, comfort and durability! Experience the Irwin difference with the most comfortable, yet durable seat module available today. The Infinity seat module has been designed using the most advanced engineering and molding techniques available to provide exceptional spectator comfort and long-term durability. Engineered to withstand loads of over 600 pounds and endure the fiercest performance tests, the Infinity seat is proven tough enough for any venue.

The Infinity seat module boasts a variety of options designed to accommodate the human form and an optimal 16-1/2" seat height. Options include 10" and 12" deep models for use on our standard 10" to 12" row rises, and the high-rise, 10" deep model for use on 14" to 16" rises.

Infinity is adaptable and can be installed on wood or concrete risers.





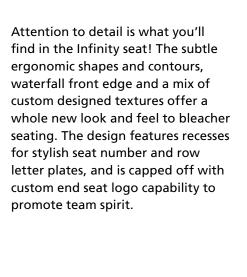
Fair Grove High School Fair Grove, Missouri



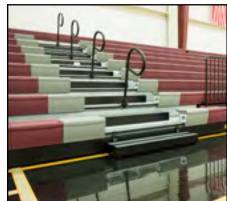
Georgetown High School Georgetown, Texas



Longfellow Middle School Wauwatosa, Wisconsin







Lutheran High School San Antonio, Texas



Taylor University, Odel Arena Upland, Indiana



Whitman Middle School Wauwatosa, Wisconsin

INTEGRA SEATING The use of retractable chair seating continues to grow in popularity due to its versatility. Whether

our own, more rigorous internal testing. Talk with your Irwin Seating representative today and find out if Integra is the right choice for your facility.





Williams Baptist College Southerland-Mabee Center Walnut Ridge, Arkansas



Waterdown High School Waterdown, Ontario

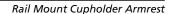


Siloam Springs High School Siloam Springs, Arkansas





• No. 15 armless center treatment





Seat Number Plate



Scribe Writing Tablet

Take full advantage of your multi-use spaces with the Prestige Series from Irwin Seating. This innovative concept combines auditorium seating with a telescopic system allowing valuable floor space to be used for other functions like dances or banquets.

PRESTIGE SEATING

The Prestige Series is available with our most popular seats and backs like the No. 90 Citation back pictured here, and all deliver the same level of comfort and stability you've come to expect from Irwin Seating.

Operation of the Prestige Series is made even easier with the industry's very first semiautomated, nose mount chair system. This unique design uses a spring assist mechanism to aid in raising the backs while dampening the folding motion. Simply activate the chair release mechanism and the backs automatically fold to the stored position. This innovative and patent pending design greatly reduces setup and take-down times, while increasing the overall customer value





Chairs in Use Position Backs Folded for Storage



System in Closed Position

MORE SEATING OPTIONS

Many of today's gymnasiums are designed to create a more personal and comfortable environment and we have just the solution! Using both Integra chairs and Infinity seat modules on the telescopic system creates a VIP seating experience that will help excite the home crowd and be the envy of all conference rivals. It also allows the sports boosters a chance to get involved and raise funds through the sale of the "luxury" seating.

Integra chairs can be located within a center seating area or, more commonly along the full length of the lower rows to reduce the overall open depth of the system. Integra chairs can also be further customized by adding an engraved donor plate to the arm and upholstered pads for added comfort.

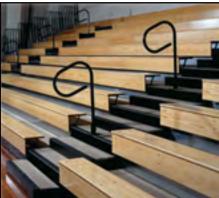






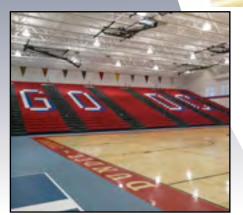


Blow Mold Seat w/ Folding Back Support



Traditional Wood Bench Seating





Dundee Crown High School Carpentersville, Illinois



Wauwatosa East High School Wauwatosa, Wisconsin



Oconomawoc High School Oconomawoc, Wisconsin



Warrensville Heights High School Warrensville Heights, Ohio

SMART RAILS

Safe and sound – that's what you get with the Irwin Smart Rail and Smart Rail EX. It's a fact, when aisle rails are loose or missing accidents can occur. With the Smart Rail by Irwin Seating that's no longer a concern as rails are permanently attached and simply rotate for use or storage. Of course, another benefit is the reduction in operation times.

When you combine the safety and

When you combine the safety and functionality of the Smart Rail with a customized aisle step that is always one half of the row rise and row spacing, you've helped to insure safe passage for your spectators.



Smart Rail



Smart Rail EX

WHEELCHAIR OPTIONS

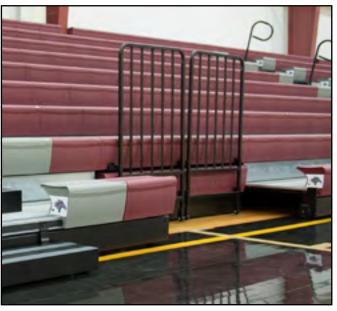
Offering a single seating system to meet the everchanging needs of today's facilities is impractical, that's why Irwin Seating offers a choice in wheelchair accessibility options.

The Modular Deck Units (MDU's) shown to the right, quickly and easily adapt for continuous first row seating, wheelchair spaces with companion seating or truncations for team seating. Each MDU segment is manually opened and closed (friction power is located on row two) and does not require front rails by most building codes.

Individual spaces shown below can be provided in single or double spaces and allow for a companion seat. Individual spaces can be permanent or recoverable to provide additional seating if needed. Railings shown below are optional and not required by most building codes.







Permanent Space

Recoverable Space

UNDERSTRUCTURE



A solid understructure is the foundation of any telescopic system, and Irwin Seating leads the way in overall performance with the Model 4500 system. This telescopic understructure is designed for heavy use facilities and has been used successfully in many major university and arena venues. The system is highlighted by its outstanding support roller system located at the deck support and cantilever locations. This and the many other details shown below ensure safe, smooth and consistent operation. For more information contact your Irwin Seating representative.



Alignment System
Lower alignment system allows the understructure to compensate for slight floor variations without the need for lubrication.



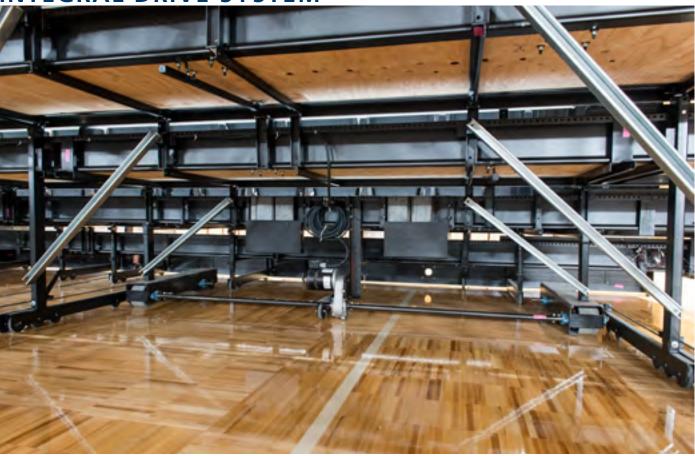
Nylon Glides

Nylon glides are attached to the wheel channels to prevent metal-to-metal contact, eliminating the need for lubrication.



Row Post Construction
Understructure supports are made of 1-1/2" x 3", 11-gauge structural steel tubing, welded 360 degrees to a 10-gauge formed wheel channel. Each wheel channel is equipped with a minimum of four 4" x 1" wheels for better load distribution.

INTEGRAL DRIVE SYSTEM



The Integral Drive System or IDS friction power system is uniquely designed to apply the operating forces directly to the first operating row of understructure for efficient and consistent operation. Our drive system is designed to include heavy-duty components for low maintenance costs and long life cycle value. The IDS is completely shrouded and U.L. listed for overall safety.



Cantilever Supports
Cantilever support arms are heavyduty 3-1/4" wide, triple-formed
10-gauge steel, securely welded to the understructure support and feature a support roller for unparalleled performance.



Deck Supports

Numerous heavy steel deck supports provide a safe and sound walking surface while tying the nose beam, decking and rear riser beam into a secure assembly. Each deck support includes a support roller to ensure smooth operation while eliminating the need for lubrication.

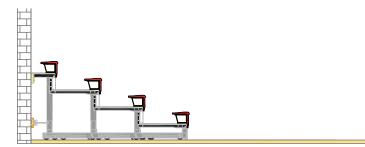


Support Bracing
Understructure support bracing begins
on row two and connects row posts to
deck supports to prevent lateral sway
and create a stable walking surface.
The bracing is made from 14-gauge,
U-shaped formed steel and connected
with locking hardware.

OPERATIONAL TYPES

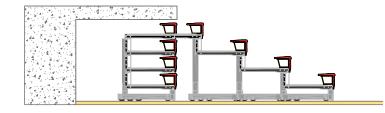
Wall Attached Units:

Wall Attached units is the most common operational type. Units are anchored at a minimum of two locations and open toward the event area while stacking against the wall in a minimal space.



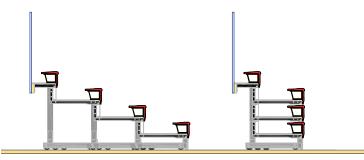
Recessed Units:

These units are stored beneath a balcony or concourse level and utilize a special designed linkage that allows the system to clear the recess and open for normal use.



Forward or Reverse-Fold Units:

Often used in balconies or to separate a gym into two areas for class, these units allow for additional floor space behind the bleacher when closed. With the first row anchored to the floor, the unit travels in a rearward direction when opening.



Movable Options

With the design of today's multi-functional facilities, movable seating sections can be an integral part of the seating solution. Contact the factory for specific applications.



The built-in airlift system eliminates the need for lift truck storage and is supplied with an air compressor.



Using a pair of portable lift trucks allows each section to be relocated individually.

OPTIONS & ACCESSORIES







Intermediate Steps



End Rails



Rear Rails & Back Panels



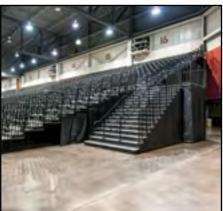
Building Column Cutouts



Aisle Lights



Video & ADA Platforms



Stair Units



Seat Level Filler



Panelam Decking



Aluminum Decking



Carpeted Decking

DIMENSIONAL DATA

Bleacher Seating

ROW #	Overall Height				Open Dimensions						
	10" RISE (25cm)	12" RISE (30cm)	14" RISE (36cm)	16" RISE (41cm)	22" SPACING (56cm)	24" SPACING (61cm)	26" SPACING (65cm)	31" SPACING (79cm)	32" SPACING (81cm)	33" SPACING (84cm)	
3	3' 0 1/4" (92cm)	3' 6" (107cm)	3' 8 1/2" (113cm)	4' 2" (127cm)	5' 4" (163cm)	5' 6" (168cm)	5' 8" (173cm)	6' 8" (203cm)	6' 9" (206cm)	6' 10" (208cm)	
4	3' 10 1/4" (117cm)	4' 6" (137cm)	4' 10 1/2" (149cm)	5' 6" (168cm)	7' 2" (218cm)	7' 6" (229cm)	7' 10" (239cm)	9' 3" (282cm)	9' 5" (287cm)	9' 7" (292cm)	
5	4' 8 1/4" (143cm)	5' 6" (168cm)	6' 0 1/2" (184cm)	6' 10" (208cm)	9' 0" (274cm)	9' 6" (290cm)	10' 0" (305cm)	11' 10"(361cm)	12' 1" (368cm)	12' 4" (376cm)	
6	5' 6 1/4" (168cm)	6' 6" (198cm)	7' 2 1/2" (220cm)	8' 2" (249cm)	10' 10" (330cm)	11'6" (351cm)	12' 2" (371cm)	14' 5" (439cm)	14' 9" (450cm)	15' 1" (460cm)	
7	6' 4 1/4" (194cm)	7' 6" (229cm)	8' 4 1/2" (255cm)	9' 6" (290cm)	12' 8" (386cm)	13' 6" (411cm)	14' 4" (437cm)	17' 0" (518cm)	17' 5" (531cm)	17' 10" (544cm)	
8	7' 2 1/4" (219cm)	8' 6" (259cm)	9' 6 1/2" (291cm)	10' 10" (330cm)	14' 6" (442cm)	15' 6" (472cm)	16' 6" (503cm)	19' 7" (597cm)	20' 1" (612cm)	20' 7" (627cm)	
9	8' 0 1/4" (244cm)	9' 6" (290cm)	10' 8 1/2" (326cm)	12' 2" (371cm)	16' 4" (498cm)	17' 6" (533cm)	18' 8" (569cm)	22' 2" (676cm)	22' 9" (693cm)	23' 4" (711cm)	
10	8' 10 1/4" (270cm)	10' 6" (320cm)	11' 10 1/2" (362cm)	13' 6" (411cm)	18' 2" (554cm)	19' 6" (594cm)	20' 10" (635cm)	24' 9" (754cm)	25' 5" (775cm)	26' 1" (795cm)	
11	9' 8 1/4" (295cm)	11' 6" (351cm)	13' 0 1/2" (398cm)	14' 10" (452cm)	20' 0" (610cm)	21' 6" (655cm)	23' 0" (701cm)	27' 4" (833cm)	28' 1" (856cm)	28' 10" (879cm)	
12	10' 6 1/4" (321cm)	12' 6" (381cm)	14' 2 1/2" (433cm)	16' 2" (493cm)	21' 10" (665cm)	23' 6" (716cm)	25' 2" (767cm)	29' 11"(912cm)	30' 9" (937cm)	31' 7" (963cm)	
13	11' 4 1/4" (346cm)	13' 6" (411cm)	15' 4 1/2" (469cm)	17' 6" (533cm)	23' 8" (721cm)	25' 6" (777cm)	27' 4" (833cm)	32' 6" (991cm)	33' 5" (1019cm)	34' 4" (1046cm)	
14	12' 2 1/4" (371cm)	14' 6" (442cm)	16' 6 1/2" (504cm)	18' 10" (574cm)	25' 6" (777cm)	27' 6" (838cm)	29' 6" (899cm)	35' 1" (1069cm)	36' 1" (1100cm)	37' 1" (1130cm)	
15	13' 0 1/4" (397cm)	15' 6" (472cm)	17' 8 1/2" (540cm)	20' 2" (615cm)	27' 4" (833cm)	29' 6" (899cm)	31'8" (965cm)	37' 8" (1148cm)	38' 9" (1181cm)	39' 10" (1214cm)	
16	13' 10 1/4" (422cm)	16' 6" (503cm)	18' 10 1/2" (575cm)	21' 6" (655cm)	29' 2" (889cm)	31' 6" (960cm)	33' 10"(1031cm)	40' 3" (1227cm)	41' 5" (1262cm)	42' 7" (1298cm)	
17	14' 8 1/4" (448cm)	17' 6" (533cm)	20' 0 1/2" (611cm)	22' 10" (696cm)	31' 0" (945cm)	33' 6" (1021cm)	36' 0" (1097cm)	42' 10"(1306cm)	44' 1" (1344cm)	45' 4" (1382cm)	
18	15' 6 1/4" (473cm)	18' 6" (564cm)	21' 2 1/2" (646cm)	24' 2" (737cm)	32' 10" (1001cm)	35' 6" (1082cm)	38' 2" (1163cm)	45' 5" (1384cm)	46' 9" (1425cm)	48' 1" (1466cm)	
19	16' 4 1/4" (498cm)	19' 6" (594cm)	22' 4 1/2" (682cm)		34' 8" (1057cm)	37' 6" (1143cm)	40' 4" (1229cm)	48' 0" (1463cm)	49' 5" (1506cm)	50' 10" (1549cm)	
20	17' 2 1/4" (524cm)	20' 6" (625cm)	23' 6 1/2" (718cm)		36' 6" (1113cm)	39' 6" (1204cm)	42' 6" (1295cm)	50' 7" (1542cm)	52' 1" (1588cm)	53' 7" (1633cm)	
21	18' 0 1/4" (549cm)	21' 6" (655cm)	24' 8 1/2" (753cm)		38' 4" (1168cm)	41' 6" (1265cm)	44' 8" (1361cm)	53' 2" (1621cm)	54' 9" (1669cm)	56' 4" (1717cm)	
22	18' 10 1/4" (575cm)	22' 6" (686cm)			40' 2" (1224cm)	43' 6" (1326cm)	46' 10"(1427cm)	55' 9" (1699cm)	57' 5" (1750cm)	59' 1" (1801cm)	
23	19' 8 1/4" (600cm)	23' 6" (716cm)			42' 0" (1280cm)	45' 6" (1387cm)	49' 0" (1494cm)	58' 4" (1778cm)	60' 1" (1831cm)	61' 10" (1885cm)	
24	20' 6 1/4" (625cm)	24' 6" (747cm)			43' 10" (1336cm)	47' 6" (1448cm)	51' 2" (1560cm)	60' 11"(1857cm)	62' 9" (1913cm)	64' 7" (1969cm)	
25	21' 4 1/4" (651cm)	25' 6" (777cm)			45' 8" (1392cm)	49' 6" (1509cm)	53' 4" (1626cm)	63' 6" (1935cm)	65' 5" (1994cm)	67' 4" (2052cm)	
26	22' 2 1/4" (676cm)				47' 6" (1448cm)	51' 6" (1570cm)	55' 6" (1692cm)	66' 1" (2014cm)	68' 1" (2075cm)	70' 1" (2136cm)	
27	23' 0 1/4" (702cm)				49' 4" (1504cm)	53' 6" (1631cm)	57' 8" (1758cm)	68' 8" (2093cm)	70' 9" (2156cm)	72' 10"(2220cm)	
28	23' 10 1/4" (727cm)				51' 2" (1560cm)	55' 6" (1692cm)	59' 10"(1824cm)	71' 3" (2172cm)	73' 5" (2238cm)	75' 7" (2304cm)	
29	24' 8 1/4" (752cm)				53' 0" (1615cm)	57' 6" (1753cm)	62' 0" (1890cm)	73' 10"(2250cm)	76' 1" (2319cm)	78' 4" (2388cm)	
30	25' 6 1/4" (778cm)				54' 10" (1671cm)	59' 6" (1814cm)	64' 2" (1956cm)	76' 5" (2329cm)	78' 9" (2400cm)	81' 1" (2471cm)	

Designer Notes:

- Add 1" to the open and closed position for the Infinity Seat Module.
- Minimum closed depth is 3'-6" for 22"-26" spacing; 4'-1" for 31"-33" spacing.
- Open depth dimensions do not include the front step.
- Closed depth may be increased by movable, forward fold or freestanding units, higher rows, columns, or rear filler boards. Please contact the factory for additional information.
- Add 2" to the overall height for recessed bleachers.

Integra & Prestige Chair Seating

ROW #	C	verall Heig	jht	Open Depth			
	10" RISE (25cm)	12" RISE (30cm)	14" RISE (36cm)	16" RISE (41cm)	31" SPACING (79cm)	32" SPACING (81cm)	33" SPACING (84cm)
2	2' 6" (76cm)	3' 0" (91cm)	3' 6" (107cm)	4' 0" (123cm)	4' 1" (124cm)	4' 1" (124cm)	4' 1" (124cm)
3	3' 4" (102cm)	4' 0" (122cm)	4' 8" (142cm)	5' 4" (163cm)	9' 2" (279cm)	9' 4" (284cm)	9' 6" (290cm)
4	4' 2" (127cm)	5' 0" (152cm)	5' 10" (178cm)	6' 8" (203cm)	11' 9" (358cm)	12' 0" (366cm)	12' 3" (373cm)
5	5' 0" (152cm)	6' 0" (183cm)	7' 0" (213cm)	8' 0" (244cm)	14' 4" (437cm)	14' 8" (447cm)	15' 0" (457cm)
6	5' 10" (178cm)	7' 0" (213cm)	8' 2" (249cm)	9' 4" (284cm)	16' 11" (516cm)	17' 4" (528cm)	17' 9" (541cm)
7	6' 8" (203cm)	8' 0" (244cm)	9' 4" (284cm)	10' 8" (325cm)	19' 6" (594cm)	20' 0" (610cm)	20' 6" (625cm)
8	7' 6" (229cm)	9' 0" (274cm)	10' 6" (320cm)	12' 0" (366cm)	22' 1" (673cm)	22' 8" (691cm)	23' 3" (709cm)
9	8' 4" (254cm)	10' 0" (305cm)	11' 8" (356cm)	13' 4" (406cm)	24' 8" (752cm)	25' 4" (772cm)	26' 0" (792cm)
10	9' 2" (279cm)	11' 0" (335cm)	12' 10" (391cm)	14' 8" (447cm)	27' 3" (831cm)	28' 0" (853cm)	28' 9" (876cm)
11	10' 0" (305cm)	12' 0" (366cm)	14' 0" (427cm)	16' 0" (488cm)	29' 10" (909cm)	30' 8" (935cm)	31' 6" (960cm)
12	10' 10" (330cm)	13' 0" (396cm)	15' 2" (462cm)	17' 4" (528cm)	32' 5" (988cm)	33' 4" (1016cm)	34' 3" (1044cm)
13	11'8" (356cm)	14' 0" (427cm)	16' 4" (498cm)	18' 8" (569cm)	35' 0" (1067cm)	36' 0" (1097cm)	37' 0" (1128cm)
14	12' 6" (381cm)	15' 0" (457cm)	17' 6" (533cm)	20' 0" (610cm)	37' 7" (1146cm)	38' 8" (1179cm)	39' 9" (1212cm)
15	13' 4" (406cm)	16' 0" (488cm)	18' 8" (569cm)	21' 4" (650cm)	40' 2" (1224cm)	41' 4" (1260cm)	42' 6" (1295cm)
16	14' 2" (432cm)	17' 0" (518cm)	19' 10" (605cm)	22' 8" (691cm)	42' 9" (1303cm)	44' 0" (1341cm)	45' 3" (1379cm)
17	15' 0" (457cm)	18' 0" (549cm)	21' 0" (640cm)	24' 0" (732cm)	45' 4" (1382cm)	46' 8" (1422cm)	48' 0" (1463cm)
18	15' 10" (483cm)	19' 0" (579cm)	22' 2" (676cm)	25' 4" (772cm)	47' 11" (1461cm)	49' 4" (1504cm)	50' 9" (1547cm)
19	16' 8" (508cm)	20' 0" (610cm)	23' 4" (711cm)	26' 8" (813cm)	50' 6" (1539cm)	52' 0" (1585cm)	53' 6" (1631cm)
20	17' 6" (533cm)	21' 0" (640cm)	24' 6" (747cm)	28' 0" (853cm)	53' 1" (1618cm)	54' 8" (1666cm)	56' 3" (1730cm)
21	18' 4" (559cm)	22' 0" (671cm)	25' 8" (782cm)	29' 4" (894cm)	55' 8" (1697cm)	57' 4" (1748cm)	59' 0" (1798cm)
22	19' 2" (584cm)	23' 0" (701cm)	26' 10" (818cm)	30' 8" (935cm)	58' 3" (1775cm)	60' 0" (1829cm)	61' 9" (1882cm)
23	20' 0" (610cm)	24' 0" (732cm)	28' 0" (853cm)	32' 0" (975cm)	60' 10" (1854cm)	62' 8" (1910cm)	64' 6" (1966cm)
24	20' 10" (635cm)	25' 0" (762cm)	29' 2" (889cm)	33' 4" (1016cm)	63' 5" (1933cm)	65' 4" (1991cm)	67' 3" (2050cm)
25	21' 8" (660cm)	26' 0" (792cm)	30' 4" (925cm)	34' 8" (1057cm)	66' 0" (2012cm)	68' 0" (2073cm)	70' 0" (2134cm)

Designer Notes:

- Minimum closed depth is 4'-1" for Integra, 5'-6" for Prestige.
- Overall height does not include the chair.
- Open depth dimensions do not include the front step.
- Closed depth may be increased by movable, forward fold or freestanding units, higher rows, columns, or rear filler boards. Please contact the factory for additional information.
- Contact the factory for projects requiring bench and Integra chairs combined.



Dedicating ourselves to customer satisfaction, employee well-being, and profitable growth.

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E-mail: sales@irwinseating.com www.irwinseating.com

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