



The Kellex Advantage  
Tools & Resources



Kellex Seating is an industry-recognized leader in **quality furniture manufacturing**. From Hospitality to Senior Living spaces, we are dedicated to **innovating and creating distinctive furniture styles** that help our clients achieve their design vision. And, we strive to bring these styles to our customers through **dependable deliveries** and **personalized customer service** creating lasting partnerships.

# Table of Contents

---

## 1 GENERAL CONSTRUCTION & CONSIDERATIONS

General construction methods for upholstered and exposed wood seating are designed to meet the durability, comfort, and long-term performance requirements of Hospitality and Senior Living environments.

## 2 CUSHION SPECIFICATIONS

The Cushion Specification Guide outlines options by durability, comfort level, and cleanability, simplifying the selection process for high-traffic Hospitality and Senior Living spaces.

## 3 SLEEPER MECHANISMS & MATTRESSES

Sleeper sofas are developed with functionality and long-term performance in mind, offering a range of mechanisms and mattress options suitable for high-use environments; the Zen Sleeper represents the premium system within the lineup.

## 4 SHOP DRAWINGS

Detailed shop drawings illustrate product dimensions, construction elements, and customization options, providing clarity for specifiers and designers.

## 5 UPHOLSTERY GUIDE

The Upholstery Guide introduces key elements of upholstered furniture, from component identification to seam types, supported by clear visuals and practical explanations.

## 6 PILLOW COMPARISON GUIDE

The Pillow Comparison Guide outlines differences in fill, firmness, and support, helping users select options that best balance comfort and aesthetic needs.

## 7 EXPOSED WOOD SPECIFICATIONS

Available wood finish applications are described alongside construction methods that enhance durability and longevity in exposed wood seating.

## 8 GLIDE OPTIONS

A wide range of glide options is provided to meet both performance and aesthetic requirements, allowing customization for the demands of different projects.

## 9 CLEANING & CARE INSTRUCTIONS

Cleaning and care instructions provide practical guidelines for maintaining contract-grade furniture in Hospitality and Senior Living, with emphasis on durability, sanitation, and safe material practices.

## 10 WARRANTIES

Industry-leading warranties reflect a commitment to quality, durability, and long-term performance across Hospitality and Senior Living furniture.

## 11 SUPPORTING AMERICAN MANUFACTURING

Learn more about our commitment to American manufacturing, local jobs, and community support.



1

## General Construction & Considerations

# General Construction

---

## FULLY UPHOLSTERED SEATING

### Seat Support

- Eight gauge 60% post-consumer recycled sinuous steel springs spaced 5" apart secured with insulated self-lubricating clips, innersprings connected with two steel tie wires.
- Spring system to be secured with additional hardwood stabilizer front rail and covered with heavy-duty batting.
- Double springs in each corner provide additional seat support.

### Back Support

- Tight back applications utilizing 10-12 gauge 60% post-consumer recycled sinuous steel springs are secured with insulated self-lubricating clips. Inner springs are connected with two steel tie wires and are covered with heavy-duty batting.
- Semi-attached applications utilize inter-weave 3" nylon webbing and are covered with heavy-duty batting.

### Frame Construction

- Frame to be constructed of solid hardwood maple and other solid hardwoods. Frame stock to be FSC and SFI certified ensuring the stability of our natural resources.
- All stress joints to be connected utilizing one of the following:
  - Glued with heavy-duty frame staples.
  - Corner blocked, glued, and screwed.
  - Double dowelled and glued.
    - Glue to be polyvinyl acetate.

## WOOD SEATING

### Frame Construction

- Seat support can be constructed by one of the following three methods:
  - Springs: Evenly spaced sinuous wire springs enforced and stabilized with rail clips and two rows of steel tie wire which are covered with Propex, folded, and stapled to frame perimeter, providing stable no wear foundation.
  - Webbed Seat Board: Hardwood plywood (no MDF) with internal edges rounded to prevent webbing wear, covered with 3" interlaced rubberized webbing or high resilient elastic sheet webbing.
  - Solid seat board: Solid hardwood plywood (no MDF) should be 7/8" thick with breather holes.
  - See pages 12-19 for foam construction.

## GENERAL INFORMATION

### Fabrics

- COM | Kellex Contract | Kellex Carded Program | Crypton or any properly finished fabric.
  - NOTE: Kellex requires an acrylic, latex, or comparable backing.
- Breather panels recommended for all non-breathable materials (Crypton, vinyl, etc.)
- Contact your Quotation Specialist or Project Manager for exact yardages based on specified fabrics, fabric placement, and product quantity.

# Construction Considerations Senior Living

## REMOVABLE SEAT DECK VS. CLEAN OUT

### Removable Seating | Loose Seat & Tight Seat

- Seat decks are manufactured to be easily lifted out of the frame for quick removal and simple clean up.

#### Loose Seat

Seat suspension under cushion includes a spring unit for seat comfort and extends the life of the seat cushion.

Stainless steel staples prevent rust.

Seat deck is upholstered in moisture-resistant vinyl for easy clean up.

All internal exposed wood surfaces are sealed for moisture resistance and cleanability.



#### Tight Seat

Available in tight seat styles.  
Seat cushion and deck lift out as complete unit.



### Clean Out

- Clean Out options offer a discreet opening at the back or at the arms of the piece allowing moisture and debris to easily pass through to be cleaned out.



## BREATHER HOLES VS. BREATHER PANELS

### Breather Holes

- Breather Holes in conjunction with our standard moisture resistant jacket on our Comfort Firm cushion limit the amount of moisture from spills or incontinence that may seep into foam.
- These holes allow the cushion to breathe when heavy vinyl or Cryptons are being used.
- Kellex does not use grommets as grommets can fall out and leave large, exposed holes and can rust.



### Breather Panels

- Breather Panels are wide, breathable and let moisture pass through into the foam.



# Construction Considerations Cut Away Sample Chair



- 1 Eight-gauge, 60% post-consumer recycled sinuous steel springs are connected by tie wires to provide uniform support.
- 2 Seat springs are secured with a hardwood stabilizer at the front rail for added durability.
- 3 Both seat and back are covered in a heavy-duty batting lending an enhanced comfort and a smooth appearance.

- 4 Cardboard is used to enclose the inside, outside, and top of the arm to reinforce these critical areas.
- 5 Legs are finished using a durable pre-catalyzed finish which is HAPs-free. It is resistant to cleaning chemicals and contains a UV inhibitor.
- 6 High quality, commercial grade, High Resilient foam is standard for all applications. Sit enhancing seat cushion upgrades are available.

- 7 Joints are connected utilizing integrated corner blocks that are glued, screwed, and stapled to create a secure chair frame.
- 8 All frames are constructed of solid maple or other industry preferred hardwoods.





## 2 Cushion Specifications

All cushions are manufactured with multiple layers to protect the center foam core and to extend the life of the entire cushion. These layers give the seat an initial softer “sit” while still providing a dense and resilient core. All padding materials meet UFAC & California Technical Bulletin 117-2013.

# Cushion Specifications Standard Guestroom

## 1.8HR LOOSE SEAT

- 1.8HR 26-28LB Foam Core
- 1/2" 1.1 Density 22LB Foam Crown Pad
- 3/4" 1.1 Density 15LB Foam Wrap
- 3/4 oz Fiber Wrap
- Standard on most Hospitality Product
- Two Year Warranty



# Cushion Specifications Standard Dining

---

## 2.3HR TIGHT SEAT

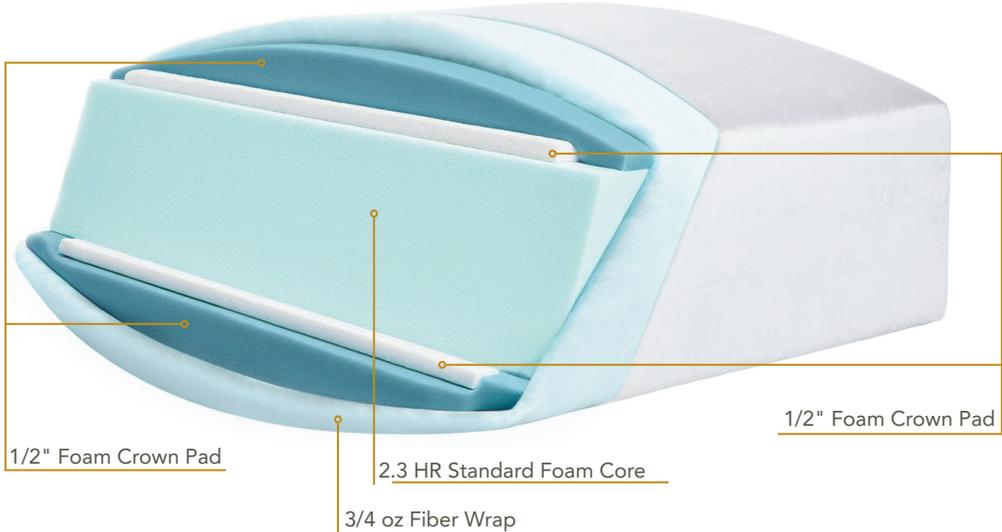
- 2.3HR 45LB Foam Core
- 3/4OZ Fiber Wrap
- Two Year Warranty



# Cushion Specifications Public Space Upgrade

## 2.3HR LOOSE SEAT

- 2.3HR 28-32LB Foam Core
- 1/2" 1.1 Density 22LB Foam Crown Pad
- 3/4" 1.1 Density 15LB Foam Wrap
- 3/4 oz Fiber Wrap
- Two Year Warranty



## 2.3HR TIGHT SEAT

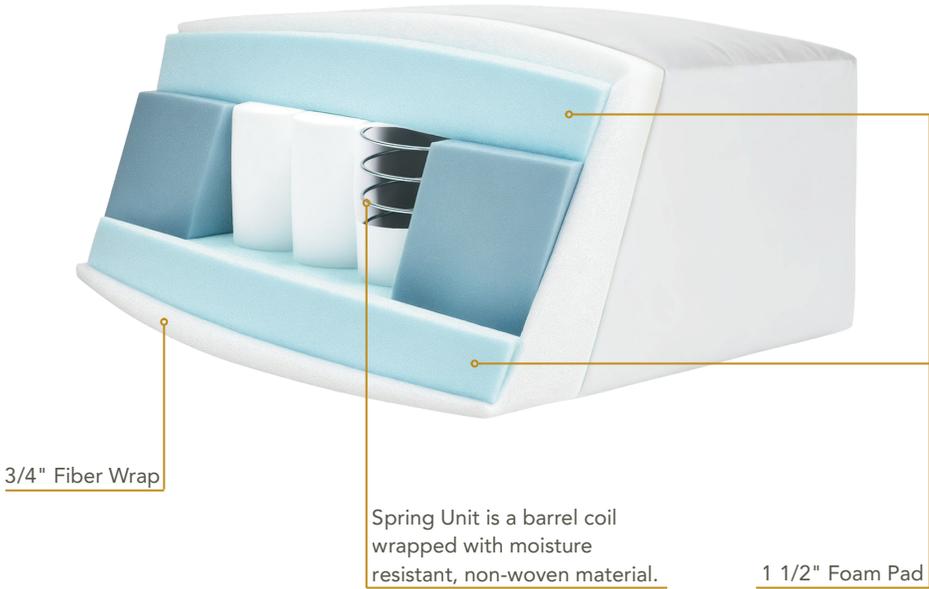
- 2.3HR 28-32LB Foam Core
- 3/4OZ Fiber Wrap
- Two Year Warranty



# Cushion Specifications Vacation Ownership Upgrade

## 1.8 ZEN POCKET COIL LOOSE SEAT

- 1.8 Foam Core
- Individually Wrapped Coils Encased By: 33-35
- 1.8 33-35 ILD (1.5" TOP & 3.5" ON FOUR SIDES)
- 3/4OZ Fiber Wrap
- Three Year Warranty
- Standard on most Zen Product



## 2.3 ZEN POCKET COIL LOOSE SEAT

- 2.3 Foam Core
- Individually Wrapped Coils Encased By: 33-35
- 2.3 33-35 ILD (1.5" TOP & 3.5" on four sides)
- 3/4OZ Fiber Wrap

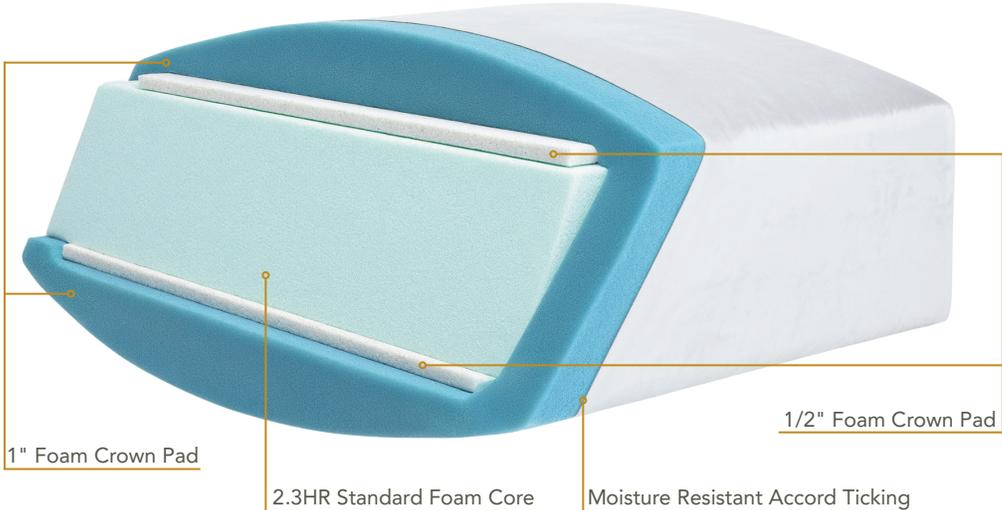
- Three Year Warranty



# Cushion Specifications Senior Living Standard

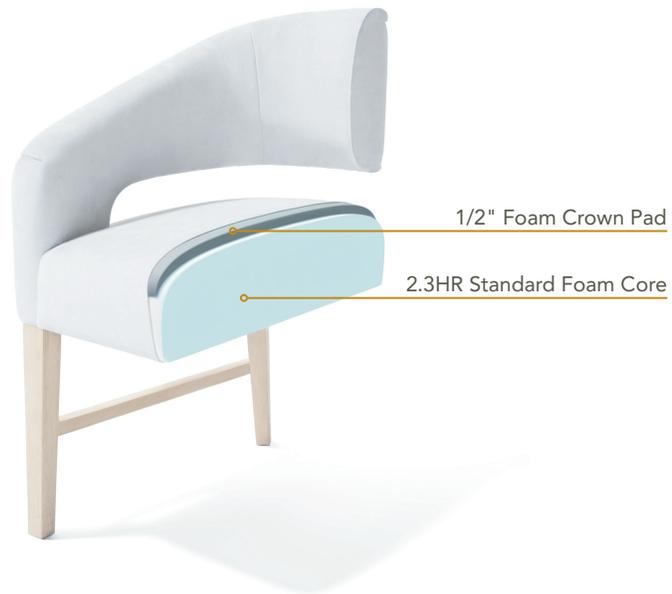
## COMFORT FIRM LOOSE SEAT

- 2.3HR 35LB Foam Core
  - 1/2" 1.6 Density 55LB Foam Crown Pad
  - 3/4" 1.1 Density 15LB Foam Wrap
  - Encased with 1.5 oz moisture resistant accord ticking
- Standard on all Loose Seat Senior Living Product
  - Three Year Warranty



## 2.3HR TIGHT SEAT

- 2.3HR 30LB Foam Core
- 3/4 OZ Fiber Wrap
- Two Year Warranty





## 3 Sleeper Mechanisms & Mattresses

---

# Sleeper Mechanisms & Mattresses

## MECHANISMS

### Classic Square

- Heavy Duty contract mechanism Leggett & Platt "Classic Square".
- One-piece, heavy gauge steel construction provide both sleeping comfort and stability. Anti-tilt safety feature keeps the unit in contact with the floor at all times in the open position.
- Five year warranty.

SIZE:	TWIN	FULL	QUEEN
WIDTH:	44"	60"	68"
DEPTH:	72"	72"	72"
TO BE APPLIED WITH:	36" MATTRESS	52" MATTRESS	60" MATTRESS



### Platinum X

- One-piece, heavy gauge steel construction featuring perfectly spaced comfort supports to provide a level mattress foundation to eliminate "bar in the back" discomfort.
- Anti-tilt safety feature to keep mech in contact with the floor when open and a one-piece tubular legs for stability and strength.
- Five year warranty.

SIZE:	FULL	QUEEN
WIDTH:	60"	68"
DEPTH:	72"	72"
TO BE APPLIED WITH:	52" MATTRESS	60" MATTRESS



## MATTRESSES

### Standard

- Heavy duty contract mattresses with 13.5 gauge Verticoil edge with Active support technology innerspring mattress.
- Hypoallergenic pad exhibits strength and durability.
- Two year warranty.

SIZE:	CHAIR	TWIN	FULL	QUEEN
WIDTH:	24"	36"	52"	60"
HEIGHT:	5.25"	5.25"	5.25"	5.25"
DEPTH:	72"	72"	72"	72"
COIL COUNT:	115	184	253	299



### Princess

- Heavy duty contract mattress with 13.5 gauge wire coils.
- Hypoallergenic pad exhibits strength and durability and a 1.5" layer of 1.5oz PREMLOFT is multi-needle quilted into the top panel of the mattress to provide a plush sleeping surface.
- Two year warranty.

SIZE:	TWIN	FULL	QUEEN
WIDTH:	36"	52"	60"
HEIGHT:	6"	6"	6"
DEPTH:	72"	72"	72"
COIL COUNT:	184	253	299



# Sleeper Mechanisms & Mattresses

## Contract Linen

- Heavy duty contract mattresses with 13.5 gauge wire coils.
- Hypoallergenic pad exhibits strength and durability.
- Two year warranty.

SIZE:	TWIN	FULL	QUEEN
WIDTH:	36"	52"	60"
HEIGHT:	6"	6"	6"
DEPTH:	72"	72"	72"
COIL COUNT:	207	299	345



## Imperial

- Plush innerspring mattress with 13.5 gauge coils.
- Two ounce vertical fiber Comfort Pad and 1.25 of densified polyester fiber insulated pad.
- Two year warranty.

SIZE:	TWIN	FULL	QUEEN
WIDTH:	36"	52"	60"
HEIGHT:	6"	6"	6"
DEPTH:	72"	72"	72"
COIL COUNT:	207	299	345



## Cool Gel Infused

- Innerspring mattress with Gel Infused Memory Foam with 13.5 gauge wire coils.
- Topper is 1.25" Gel Infused Memory Foam with a 1/4" .75oz densified polyester fiber insulated pad.
- Three year warranty.

SIZE:	FULL	QUEEN
WIDTH:	52"	60"
HEIGHT:	6"	6"
DEPTH:	72"	72"
COIL COUNT:	253	299



# Sleeper Mechanisms & Mattresses

---

## Space Saver | SBA

- Mattress and Mechanism are not sold separately.
- The space saver sleeper saves to 14 square feet of space.
- Five year warranty.
- The mattress is a luxurious 8.5" thick (when manufactured, approximately 7.5" after compression) and 73" long with Z spring technology that provides the most supportive sleeper mattress offered.
- The patented design allows the mattress to rest in a closed position without crushing and prevents premature wear.
- No "bar in the back" discomfort guaranteed for the life of the mattress.
- Dual innerspring consists of 13 gauge coils.
- Contract mechanism is made of a heavy gauge steel designed with offset and channel-features that add durability and strength.
- Soft lock and heavy gauge springs provide feather-touch open/close function and 1200D poly-decking provides a fortified sleep surface.
- Substantially thicker tubing is reinforced with seven mounting screws resulting in greater strength. Easily opens with double grip nylon handle.
- Engineered to encapsulate a Zen pillow top mattress.
- Offers a potential savings of 26-29 inches or up to 14 square feet as compared to the average traditional sleeper.
- The difference between the SBA and a traditional sleeper is approximately equal to one end table.

SIZE:	MATTRESS QUEEN	MECHANISM QUEEN
DEPTH:	58"	58"
HEIGHT:	8.5"	N/A
WIDTH:	73"	80"
COIL COUNT:	343	N/A



## Zen Elite™ | Mattress

- Seven year warranty.
- The mattress is a luxurious 8.5" thick (when manufactured, approximately 7.5" after compression) and 75" long with Z spring technology that provides the most supportive sleeper mattress offered.
- The patented design allows the mattress to rest in a closed position without crushing and prevents premature wear.
- No "bar in the back" discomfort guaranteed for the life of the mattress.
- Dual innersprings consist of 13 gauge coils.
- The mattress features moisture-resistant bamboo ticking for added durability and longevity.
- A non-bunching, stain-resistant plush pillow top with a subtle pattern and ergonomic channeling enhances comfort and performance.
- The ergonomic support system is engineered to provide maximum head, body, and foot support.
- Anti-crowning design help maintain shape and integrity when stored.
- The mattress features a coil count of 343 for Queen sizes and 320 for Full sizes.
- Fitted mattress cover available for purchase separately.
- The mattress and mechanism are offered as a complete set.

	MATTRESS		
SIZE:	CHAIR	FULL	QUEEN
WIDTH:	24"	54"	60"
HEIGHT:	8.5"	8.5"	8.5"
DEPTH:	75"	75"	75"
COIL COUNT:	135	320	343



# Sleeper Mechanisms & Mattresses

## Zen Elite™ | Mechanism

- Seven year warranty.
- Contract mechanism is made of a heavy gauge steel designed with offset and channel-features that add durability and strength.
- Soft lock and heavy gauge springs provide feather-touch open/close function and 1200D poly-decking provides a fortified sleep surface.
- Substantially thicker tubing is reinforced with seven mounting screws resulting in greater strength. Easily opens with double grip nylon handle.
- Individually powder-coated mechanism components and solid core rivets ensure long-lasting durability.
- The mechanism is designed for effortless operation by guests and environmental services staff.
- It is engineered to fully encapsulate a Zen Elite pillow-top mattress, ensuring a secure and supportive fit.
- The mattress and mechanism are offered as a complete set.

	MECHANISM		
SIZE:	CHAIR	FULL	QUEEN
WIDTH:	32"	62"	68"
HEIGHT:	N/A	N/A	N/A
DEPTH:	75"	75"	75"
COIL COUNT:	N/A	N/A	N/A



# Open Sleeper Dimensions

## STANDARD

	MATTRESS			MECHANISM		
SIZE:	TWIN	FULL	QUEEN	TWIN	FULL	QUEEN
WIDTH:	36"	52"	60"	44"	60"	68"
DEPTH:	72"	72"	72"	72"	72"	72"



90" - 92"

*Please see style depth to determine exact opened sleeper dimensions. The open position adds 54"*

# Open Sleeper Dimensions

## ZEN

SIZE:	MATTRESS			MECHANISM		
	CHAIR	FULL	QUEEN	CHAIR	FULL	QUEEN
WIDTH:	24"	54"	60"	32"	62"	68"
DEPTH:	75"	75"	75"	75"	75"	75"



94"



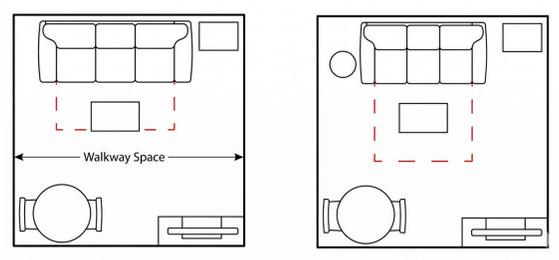
# SPACE SAVER | SBA

	MATTRESS	MECHANISM
WIDTH:	73"	80"
DEPTH:	58"	58"

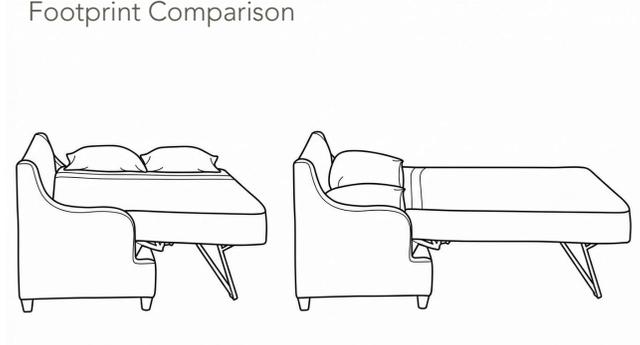


## SPACE SAVER | SBA VS. TRADITIONAL SLEEPER

Room Footprint Comparison



Footprint Comparison





## 4 Shop Drawings

---

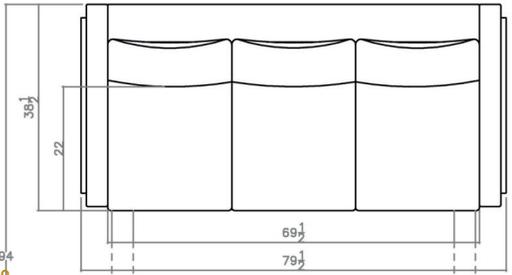
# Shop Drawings

---

## PARTS IDENTIFICATION

- A** The title block may include key project details such as the project name, product information, SKU number, dimensions, and, when applicable, additional notes.
- B** Dimensions provided include overall width, overall depth, overall height, seat height, seat width, seat depth, and arm height. Additional dimensions may be added depending on design details.
- C** Each note pertains directly to the drawing and the product being produced, and may reference upholstery techniques, finishes, hardware, or other relevant details.

*The level of detail presented in shop drawings may vary from project to project, as each design requires a unique degree of specification and documentation.*



ZEN MATTRESS W/ PILLOWTOP FULL COIL  
 COUNT 319 QUEEN COIL COUNT 343.  
 PATENTED Z-COIL FOLD OVER TECHNOLOGY.

60 MATT WIDTH

68 MECH WIDTH

**B**

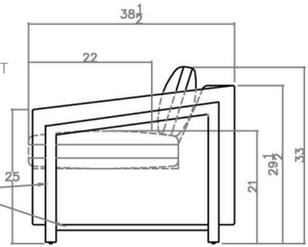
**C**

LOOSE REVERSIBLE INBACK WITH THIN BOXING, SLIGHTLY ROUNDED CORNERS (NO CAT EARS)

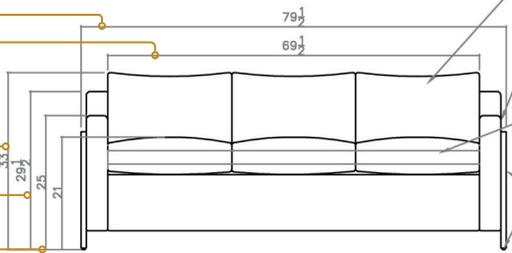
BOX ARM WITH ROUNDED CORNERS. FRAME CORNER AT FRONT ARM TO HAVE ROUNDED EDGE & NOT BE SHARP THROUGH FABRIC.

LOOSE REVERSIBLE SEAT CUSHIONS WITH THIN BOXING.

EXPOSED WOOD BASE/FRAME (FLAT - NOT BEVELED) WITH STANDARD HEAVY DUTY GLIDE



**B**



**A**

CUSTOMER PO:  
 PROJECT: NEW PRODUCT SPRING 2024  
 PRODUCT INFORMATION: CLAXTON  
 ZEN QUEEN SLEEPER



Q/KSO:  
 ITEM TAG:  
 SKU: Z2048-50

DATE:                      QUANTITY:  
 REVISION(S):  
 DESIGNER:

DIMENSIONS:  
 79.5"W x 38.5"D x 33"H  
 21"SH x 69.5"SW x 22"SD  
 25"AH

APPROVED:  
 APPROVED AS NOTED:  
 REJECTED:  
 SIGNATURE:  
 DATE:

NOTES:

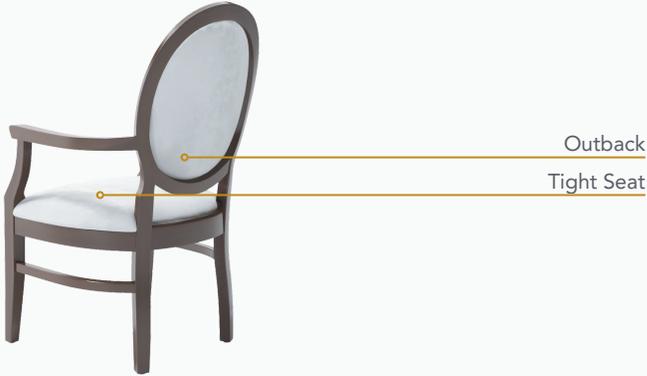


## 5 Upholstery Guide

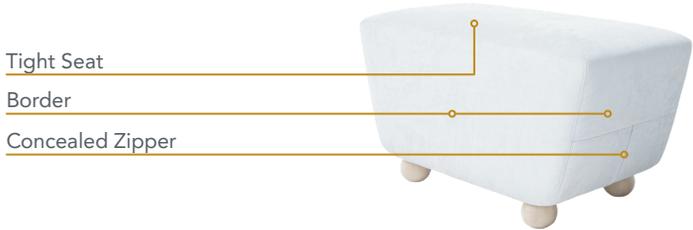
---

# Upholstery Part Identification

## Dining



## Ottomans



## Lounge & Occasional

Inback

Inarm

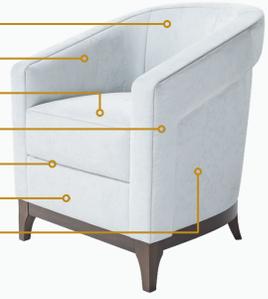
Tight Seat

Outarm

Pulled Seam

Front Apron

Outback



Back Cushion

Inarm

Seat Cushion

Welt

Outarm

Seat Border



## Benches & Settees

Inarm

Tight Seat

Outarm



Inwing

Outwing

Inback

Outback

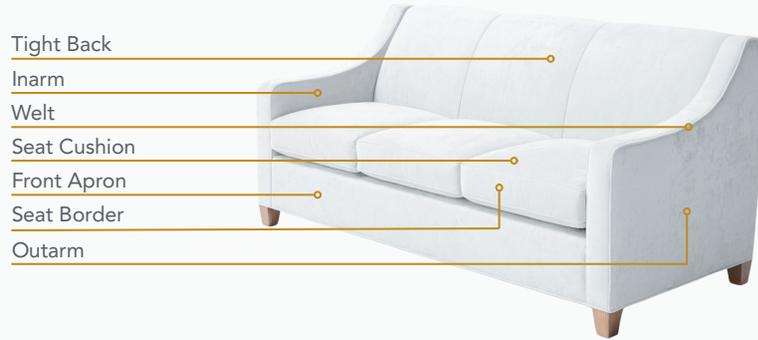
Outarm

Tight Seat

Inarm



## Sofas & Loveseats



# Railroad vs. Non-Railroad

---



When fabric is woven as Railroaded, the pattern runs across the top of the roll.



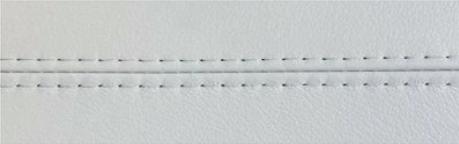
When fabric is woven as Non- Railroaded, the pattern runs up the roll.

# Types of Seams

---



Single Seam



Double Seam



Blind Seam

# Upholstery Techniques

---



Buttonless Tufting



Button Tufting



Channeling



Box Channeling



Quilting

Styles with stitching and tufting similar to those shown above are limited to random or solid fabrics to eliminate pattern skewing when these upholstery applications are applied to the piece. Please see item webpages for applicable restrictions.

## Seam Placement

---



Visible seams can occur on a piece when the fabric isn't wide enough to cover the pattern area (using Non-Railroad fabrics instead of Railroad fabrics). Non-Railroad fabrics will have additional seams and may be used with a signed fabric waiver in most instances. Drawings show potential seaming on a sofa. Also, fabrics that have a design or motif may not reflect a complete pattern when pieces are sewn together.

## Pattern Match & Center Match

---



Kellex's standard method of pattern matching is to "Center Match". In the case of loveseats and sofas, we Center Match the inside backs as well as the top of the seat cushions, cushion borders, and front apron. On a chair, the inside back, seat cushion and front apron would be Center Matched. Center Matching reduces manufacturing time and the yardage required for each piece. Stripes are not recommended for Center Matched furniture styles, but are available with a signed fabric waiver.

# COM Standard Fabric Repeat Multiplier

## RAILROAD APPLICATION

Fabric Width	0-3" Non-Match	4"-10" Repeat	11"-19" Repeat	20"-29" Repeat	30"-39" Repeat
54"	----	1.15	1.2	1.3	1.35
48"-53"	1.15	1.25	1.3	1.35	1.4
45"-47"	1.3	1.4	1.45	1.5	1.55
36"-44"	1.75	1.85	1.95	2	2.5

## NON-RAILROAD APPLICATION

Fabric Width	0-3" Non-Match	4"-10" Repeat	11"-19" Repeat	20"-29" Repeat	30"-39" Repeat
54"	1.1	1.2	1.25	1.35	1.4
48"-53"	1.3	1.35	1.4	1.45	1.5
45"-47"	1.4	1.5	1.55	1.6	1.65
36"-44"	1.7	1.8	1.9	1.9	1.95

## HOW TO USE THE STANDARD FABRIC REPEAT MULTIPLIER

- To use the chart above, you must first determine the fabric width, then determine if the fabric is run as Railroad or Non-Railroad.
- Next, add the vertical and horizontal repeat together. Find the correct column for your sum to determine the correct multiplier.
  - Example: Non-Railroad Match fabric with 12" V x 9" H repeat, use 20"-29" column and multiply the Non-Railroad Random quantity listed in the price list by 1.35 for correct yardage.
- Patterns with repeats over 30" combined must be determined by Kellex.
- If you are unsure of the direction (Railroad or Non-Railroad) or repeat, multiply the Non-Railroad Random yardage shown in the price list by 1.4 for "worst case scenario."
- To ensure accurate yardage, please contact the Kellex Quoting Department with all fabric information.





## 6 Pillow Comparison Guide

---



# Pillow Comparison Guide

---

## STANDARD

Fiber filled pillows.

## DOWN BLEND

Down Blend filled pillows provide the ultimate in comfort with a 25/27 combination of ultrasoft feathers blended with polyester fiber encased in down proof ticking.

## OPTIMA

Optima (Down-Alternative) filled pillows are created using engineered microfibers which provide generous height, down-like warmth, and a luxurious softness. A great synthetic substitute for traditional down pillows.



STANDARD



DOWN BLEND



OPTIMA

\*Treated fabrics, such as Cryptons, or vinyls/polys, will have a firmer look.



## 7 Exposed Wood Specifications

---

# Exposed Wood Specifications Finishing

---

Kellex utilizes the following Exposed Wood Finish applications. (Each finish is specific to a frame style: please see the Kellex website for details.)

- Eco-friendly Water Based finish
- Catalyzed Conversion varnish sealer and topcoat
- Pre-catalyzed finish, HAPS-free (Hazardous Air Pollutants)

Conversion Varnish and Eco-Friendly Water Base topcoats are advanced wood coating technologies designed for the most demanding performance environments. Compared to most conventional wood finish technologies, they offer the following advantages:

- **Superior Coating Strength:** Stronger resistance to scratches and corner wear.
- **Superior Moisture Resistance:** Protects the underlying wood from moisture, preventing coating cloudiness and breakdown.
- **Vastly Superior Chemical Resistance:** Resistant to even the harshest chemicals and cleaners. These topcoats are impervious to substances such as alcohol, which quickly break down lacquers. Typical commercial cleaners are also much less of a concern.
- **Superior Adhesion:** Coatings adhere to the wood more effectively. Even in heavy-use environments, they are much less likely to peel or separate from the wood substrate.
- **Great Surface Feel:** When properly applied, these topcoats deliver high performance while maintaining a silky, natural hand feel. Other technologies (e.g., urethanes) may perform well but often result in an unnatural, plastic-like texture.
- **Consistent, Focused Application:** At Kellex, all wood seating receives these superior coatings, ensuring process consistency and reliable results. No upcharges are applied for these advanced coating systems, as is often the case with other manufacturers.
- **Certified Durability:** These topcoats have been tested for 24 hours in accordance with the KCMA certification program. See Table 1 for test results:

# Exposed Wood Specifications Finishing and Construction

Table 1: Observation Results after 24-Hour Cleaner Exposure for Conversion Varnish & eco-Friendly Water Base Finishes

<b>Substrate: Chair Parts</b>	<b>Results</b>
<b>Acetone</b>	No discoloration or texture alteration observed after 24 hours of stain exposure to open air. Overall, no notable change.
<b>Bleach</b>	No discoloration or texture alteration observed after 24 hours of stain exposure to open air. Overall, no notable change.
<b>Hand Lotion</b>	No discoloration or texture alteration observed after 24 hours of stain exposure to open air. Overall, no notable change.
<b>Clorox Wipes</b>	No discoloration or texture alteration observed after 24 hours of stain exposure to open air. Overall, no notable change.
<b>Hand Sanitizer</b>	No discoloration or texture alteration observed after 24 hours of stain exposure to open air. Overall, no notable change.
<b>Lysol All Purpose Spray</b>	No discoloration or texture alteration observed after 24 hours of stain exposure to open air. Overall, no notable change.

## Exposed Wood Frames

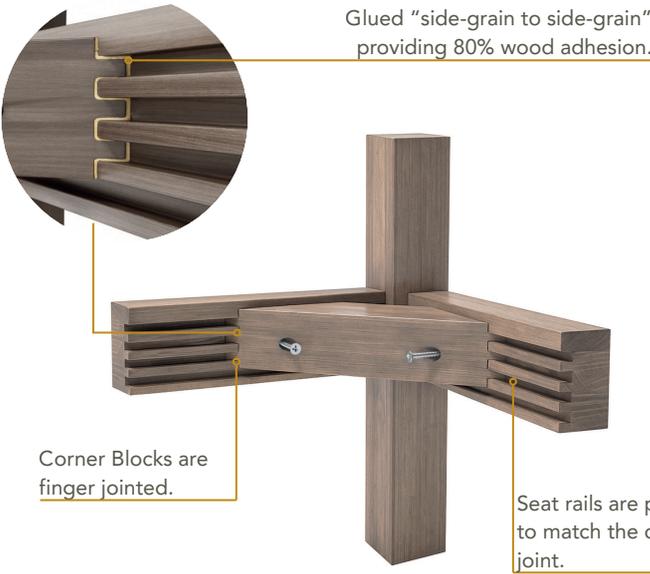
- Species shall be hardwood Maple, European Beech, or another hardwood of equal quality, density, and grain structure.
- All stress joints to be connected utilizing one of the following:
  - Heavy-duty frame staples
  - Double-dowel or mortise-and-tenon joints.
  - Corner blocks, glued and screwed.
  - Corner blocks, finger-jointed, glued, and screwed.
    - Glue shall be polyvinyl acetate.

# Exposed Wood Specifications Dining & Accent Chair Construction

## KELLEX'S LOCK BLOCK CONSTRUCTION

Corner blocks are finger jointed into seat rails.

- The connection of the seat rails is the foundation of a chair's strength.
- Our Lock Block construction creates the most stable chair base, even under extreme stress, making the entire chair exponentially stronger.
- Lock Block Construction also more than doubles the glue bond surface allowing for greater adhesion. The seat frame will not flex out of its intended shape and will transfer stress to other points of the chair.



## Competitor's Standard Corner Block

This type of construction only allows for 30% adhesion when gluing the end-grain to the side-grain where the side rail and corner block meet.



## MORTISE & TENON

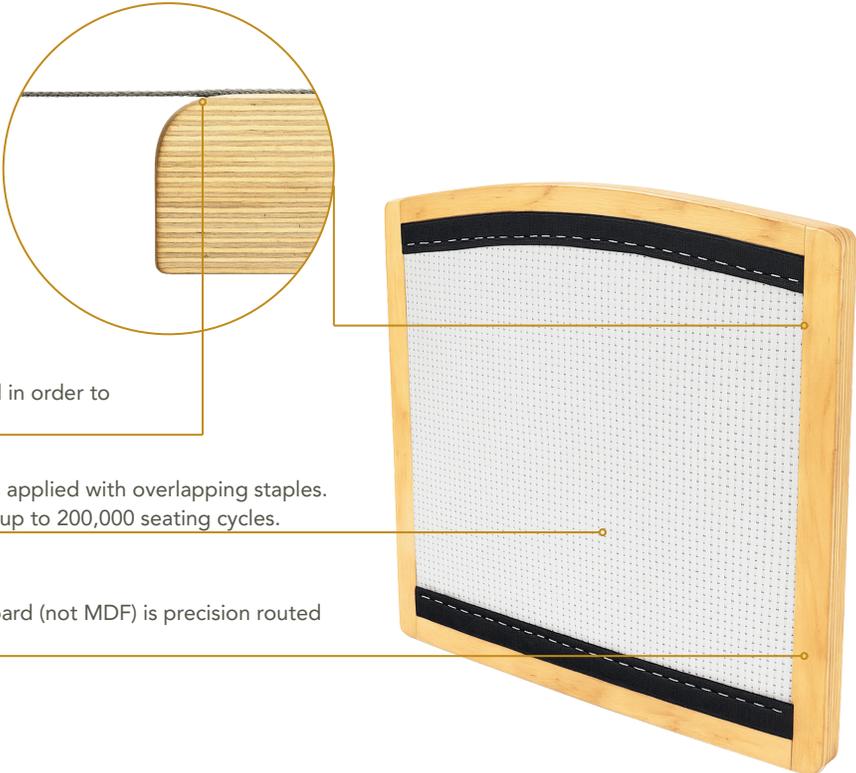
This is the second most common wood joint.

- This traditional frame joinery method reduces the chance for joint failure when properly machined and constructed.



# Exposed Wood Specifications Dining & Accent Chair Construction

## HARDWOOD SEAT BOARD CONSTRUCTION



All internal edges are eased in order to reduce webbing wear.

Upgraded sheet webbing is applied with overlapping staples. Webbing has a cycle rating up to 200,000 seating cycles.

Hardwood plywood seat board (not MDF) is precision routed on a CNC 3 axis router.





## 8 Glide Options

---



# Glide Options

## STANDARD GLIDE

Our standard glide is a tan 7/8" composite. However, depending on style and design, other nylon glides may be substituted as necessary. Sizes can range from 1/2" on chairs with smaller legs, to 1 1/8" for recliners.



## UPGRADED GLIDES

We offer several glide upgrades. Any can be purchased at a minimal cost for a set of four. When ordering, please specify by item number.

ITEM NUMBER	DESCRIPTION	SUGGESTED USE	
GL001	7/8" Metal Glide with Black Cushion Metal styles may also incorporate a Knock-In Silicone Glide	Best on Smooth Surfaces (Often specified for Hard Surface/LVT)	
GL002	7/8" Felt Glide with Brown Base	Easy Slide, But Porous	
GL003	1 3/16" Felt Glide with Brown Base	Easy Slide, But Porous	
GL004	1" Non-Skid Screw On with White Base	Does Not Move Easily	
GL005	1 1/8" Non-Skid Screw On with White Base	Does Not Move Easily	
GL006	7/8" Sliding Disc	"Teflon" Type Scratch Resistant (Often specified for Hard Surface/LVT)	
GL007	1 3/16" Sliding Disc	"Teflon" Type Scratch Resistant (Often specified for Hard Surface/LVT)	

Contact your flooring expert for glide recommendations or your Kellex sales team for more information regarding style specifics.



## 9 Cleaning & Care Information

---

# Cleaning & Care Information

---

## HOW TO CARE FOR YOUR FURNITURE

Just like clothing, upholstered furniture requires routine care to maintain comfort and appearance over time.

### Clean up spills immediately

- Spills and accidents can permanently stain many upholstery fabrics. Even water can cause lasting damage if not addressed promptly.
- Always follow the cleaning and disinfecting instructions provided by your specific fabric or leather manufacturer.
- Additional resources on cleaning and disinfecting are available on the [CDC website](#).

### Rotate Cushions, Fluff Pillows

- Upholstered furniture is designed to soften and conform to the user's body. Without care, cushions and pillows may not return to their original shape.
- Hand-fluff cushions and pillows regularly to help them keep their form.
- Rotate cushions often to distribute wear evenly across both sides.

### Natural Light Exposure

- Prolonged exposure to sunlight can cause fading in fabrics and leather.
- Position furniture away from direct natural light whenever possible.
- Use curtains, blinds, or UV-protective window films to help reduce fading.

## WOOD FURNITURE

Wood furniture is built to last a lifetime with proper care. Caring for the finish is just as important as caring for the structural integrity of the piece. Damage to the finish can lead to staining and rotting of the wood over time.

## Wood Care Instructions

- **Avoid Sunlight & Heat Sources:** Keep wood furniture out of direct sunlight and away from heating/cooling vents to prevent warping, bleaching, or cracking.
- **Dust Regularly:** Use a soft, lint-free cloth to remove dust and maintain the finish.
- **Clean Spills Promptly:** Wipe spills with a soft, damp cloth, then blot dry immediately.
- **Cleaning Solutions:** A mixture of warm water, vinegar, and a few drops of dish soap can safely clean and disinfect exposed wood. Avoid products containing alcohol unless approved by Kellex or your fabric/leather manufacturer.
- **Furniture Polish:** An oil-based furniture polish is also acceptable.
- **Protect the Finish:** Proper finish care is essential. Neglect may lead to staining, discoloration, or long-term damage to the wood.

## TABLE TOPS

- **Routine Cleaning:** Wipe with a soft cloth lightly dampened with warm water. Dry immediately with a soft towel to prevent water damage.
- **Removing Build-up:** Oils from fingerprints, cooking fumes, and smoke can dull the finish. Restore luster by wiping with a damp cloth and a non-wax polish.
- **Mild Detergent Option:** Use a solution of 1 oz. Simple Green (reduced) to 4 cups of water. Wipe with a damp cloth, then dry immediately with a clean microfiber or non-abrasive cloth.
- **Avoid Harsh Cleaners:** Do not use silicone oil, ammonia bleach, or alcohol-based cleaners, as these can damage the finish.
- **Spills & Liquids:** Clean all spills immediately; do not allow moisture to sit on the surface.
- **Environmental Care:** Limit exposure to direct sunlight, high heat, or high humidity to preserve both the finish and the wood underneath.



## 10 Warranties

---

# Warranties

---

## Zen/Zen Elite™ Sleepers

- Frame & Springs: 10 years
- Sleeper Mechanism: (Zen: 5 years), (Zen Elite™: 7 years)
- Mattress: (Zen: 5 years), (Zen Elite™: 7 years)
- Cushions: 3 years (Some fabric stretching is normal and is not covered under warranty.)

## Sleepers

- Frame & Springs: 10 years
- Sleeper Mechanism: 5 years
- Mattress: Standard, Princess, and Imperial - 2 years
- Cushions: Standard - 2 years; Comfort Firm & Pocketed Coil - 3 years; Tight Seat - 2 years (Some fabric stretching is normal and is not covered under warranty.)

## Upholstered Seating

- Frame & Springs: 10 years
- Cushions: Standard - 2 years; Comfort Firm & Pocketed Coil - 3 years; Tight Seat - 2 years (Some fabric stretching is normal and is not covered under warranty.)
- Fiber Filled Seat Backs: 1 year

## Motion Seating

- Frame & Springs: 5 years
- Recliner / Glider Mechanism: 1 year
- Cushions: Standard - 2 years; Comfort Firm & Pocketed Coil - 3 years; Tight Seat - 2 years (Some fabric stretching is normal and is not covered under warranty.)

## Headboards

- Warranties against defects in materials and workmanship under conditions of normal use and service for 3 years from date of purchase.

### Exposed Wood Frame Seating

- Kellex warrants exposed wood-framed seating against defects in materials and workmanship, under conditions of normal use and service, for 6 years from the date of purchase. (Casters - 2 years)

### Metal Base & Metal Leg Seating

- Kellex warrants metal bases used for seating against defects in materials and workmanship, under conditions of normal use and service, for 6 years from date of purchase.

### Steel Frame Seating

- Kellex warrants steel frames used for seating against defects in materials and workmanship, under conditions of normal use and service, for 10 years from date of purchase.

### Ergo Chairs

- Kellex warrants Ergonomic Chairs against defects in materials and workmanship, under conditions of normal use and service, for 5 years from date of purchase. (Knee tilt and Gas Lift Mechanisms - 2 years; casters - 2 years.) Kellex does not accept responsibility for any damages to desks, tables, etc. caused by chairs pushed into or underneath them.

### Pillows

- Kellex does not warrant the fabric used for the casings, only the filling itself for 1 year.

### Power Source

- Warranted against defects in materials and workmanship under conditions of normal use and service for 1 year from date of order.

### Tables

- Kellex warrants tables against defects in materials and workmanship under conditions of normal use and service for 5 years from date of purchase.

# General Warranty Statements

---

It is always the primary intention of Kellex to deliver first-quality furniture to our customers. Should a manufacturing issue or transit-related damage arise via Kellex's chosen carrier, Kellex reserves the right to repair or replace the item(s) involved. If a local technician can sufficiently repair and restore the piece(s) to first-quality condition, Kellex will proceed in that manner. On-site repairs allow customer to begin utilizing the item(s) sooner and avoid the unnecessary costs and time delays involved in a replacement.

If the damage is too expensive for a technician to restore to first-quality condition, or if it is deemed less expensive to replace the piece(s), Kellex may choose to provide new items instead. This would involve procuring the appropriate specified material, entering an order in our manufacturing system, and sending it through our standard production process, which may delay receipt of the replacement(s) for several weeks, depending on current lead times.

Customer's Own Materials (COM) or materials purchased on behalf of the customer (KOM) are not warranted. We do not warrant upholsteries beyond the stated warranty provided by the upholstery supplier, as we have no control over the final installation environment, cleaning systems and solutions, or other conditions which may affect durability or dye/color. In the event of a failure of any fabric or leather selected by the customer (COM or COL), the cost of repair, reupholstering, or replacement is not covered by this warranty and will have to be addressed by the supplier of the failed fabric.

Storage or installation of any Kellex products in any facility other than a temperature and humidity-controlled environment voids all warranties, expressed or implied.

Kellex warranties do not apply to: fabric stretching, under normal commercial usage; gradual cushion compaction and partial loss of resiliency of both the foam and fiber components; damage caused by the carrier in-transit, which must be handled under freight policy; damage after leaving the Kellex loading dock resulting from: accident; carrier; installer or customer handling; abuse, abnormal wear, misuse; alterations, modifications, attachments; negligence; renting; reupholstering; products that are not installed or used and maintained in accordance with product warnings and instructions.

Color variations and finishes - some unavoidable natural variations occurring in wood, leather, or other natural materials, as they are inherent to their character, are not considered defects in material or workmanship and therefore are not the basis for a warranty claim.

Matching scenarios will be determined by Kellex unless otherwise specified by the customer. Please note that often seams can be eliminated when applying the material railroad as opposed to non-railroad (directional) application. If non-railroaded application is used on tight backs, seats, outside backs, or front seats (aprons) where the width of the piece is greater than the width of the material, seams will not be matched.

The standard glide used for Kellex products is suitable for most floors; however, we offer specialty glides which may be preferable on certain types of flooring. Kellex does not accept liability for damages to a floor that the use of an improper or incorrect glide might create.

We stand behind all of our products with industry-leading warranties.



## 11 Supporting American Manufacturing

---

# Supporting American Manufacturing

---

More than 25 years ago, when Kellex Seating was founded, we had two goals: to become the best domestic furniture manufacturing partner to our customers, and to provide employment opportunities to our local families and communities surrounding our factories.

We vowed to provide our customers with quality products made by our local craftspeople with unforgettable, personalized service. These are the cornerstones of the “Make it Here, Make it Happen” movement. We continue to work together every day knowing that our reputation is our word and we proudly stand behind every piece of furniture that ships out of our doors.

Kellex is a team of dedicated problem solvers, craftspeople, and solution-focused professionals with deep pride in our ability to deliver the very best that American Manufacturing has to offer. We see every day as a new opportunity to create and redefine the cutting edge of the furniture industry.

We believe every single member of the Kellex family is involved in the success of our company and that our diversity strengthens our voice and abilities in the industry.





## CONTACT INFORMATION

Corporate Office | Project Management - North Ridgeville, OH 440.327.4428

Sales Office | Quotation Department | Hickory, NC | 828.327.4428

Please Ship COM Fabric to: Kellex Manufacturing - 501 Hoyle St SW, Valdese, NC 28690