

DreamSofa Details Sleeper Sofa Engineering Designed to Address Long-Standing Comfort Complaints

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EINPresswire.com/ -- [DreamSofa](#) has detailed the engineering behind its DreamSleeper sleeper-sofa system, which the company says is designed to address three complaints that have followed fold-out sofa beds for decades: the metal support bar that presses into a sleeper's back, thin and unsupportive mattresses, and mechanisms that sag or squeak over time. The Los Angeles-based custom furniture manufacturer describes the redesign as an engineering response to problems that have been widely reported by consumers rather than a cosmetic update.

The central issue, according to the company, is structural. Conventional sleeper sofas rely on a transverse support bar that spans the fold-out frame and provides stability for the mechanism. That bar typically sits directly beneath the sleeper's lumbar region, creating a pressure point that can interrupt spinal alignment and circulation during the night. Sleep researchers have long emphasized that consistent support and even pressure distribution are important to sleep quality, and DreamSofa says the bar — together with the thin mattresses used in many fold-out designs — is a primary reason people find sofa beds uncomfortable to sleep on for more than an occasional night.

DreamSofa's approach is to distribute load rather than concentrate it. The company describes a system it calls zero-bar orthopedic-grade support, a distributed-tension design that transfers



Landon Modulares.

weight from the sleep surface to reinforced frame edges through what it terms aerospace-grade connection points, integrated into a kiln-dried solid wood frame. The intent, the company says, is to remove the single rigid bar beneath the sleeper while maintaining the structural stability the fold-out mechanism requires. Because the support structure is built into the frame rather than added as a bar, the sofa also retains a clean profile: it does not announce its function through a bulky frame or an obvious lever, and it looks the same whether folded or extended.

"The support bar was never there for the person sleeping — it was there for the mechanism," a DreamSofa spokesperson said. "For years the sleeper was asked to accommodate the engineering. The question we worked from was the reverse: how do you carry the structural load across the whole frame so there is nothing rigid under the person's back? Once you distribute the tension instead of concentrating it in one bar, the pressure point simply is not there."

Mattress support is the second element. DreamSofa offers three built-in mattress options for its sleeper sofas — a classic soft foam, a pillow-top and a memory foam — which it describes as orthopedic-grade and which it says it subjects to hotel-quality comfort testing. The company also points to a dimensional problem it says is often overlooked: the mattress and the sofa housing it are not always well matched, because a housing's width varies with arm style and frame thickness. Its FlexForm sizing is used to keep the sleep surface and the frame dimensionally compatible, so a mattress is neither cramped nor loose within the piece.

The company is direct about the limits of the category. A sleeper sofa is a dual-purpose piece, and DreamSofa does not claim its engineering makes one equivalent in every respect to a dedicated bed; it positions the redesign as narrowing the long-standing comfort gap rather than closing it entirely. A custom sleeper also costs more and takes longer to produce than an inexpensive futon or a big-box fold-out — DreamSofa's pieces start at approximately \$2,500 and are built over roughly three to five weeks — so the company frames the product as suited to buyers who expect a sleeper to be used regularly, such as those replacing a guest bedroom or furnishing a smaller home, rather than to those needing an occasional, lowest-cost option.

The remaining engineering carries over from the company's other seating. DreamSofa's sleepers are built on kiln-dried hardwood frames with 8-gauge sinuous springs and 2.5-pound high-density foam, and are finished with machine-washable covers. Purchases are backed by a 100-day at-home trial, which the company says allows buyers to test the sleep surface over an extended period rather than judging it from a single night.

"The use case we hear most is people trying to reclaim a room," the spokesperson said. "They do not want to give a whole bedroom over to a guest bed that sits empty most of the year, but they also do not want to apologize to guests for an uncomfortable night. Engineering the sleep surface so it genuinely works for regular use is what makes that trade-off acceptable, and it is why the bar had to go rather than simply being padded over."

DreamSofa presents the redesign as part of a broader interest in multifunctional furniture as

homes grow smaller and rooms are asked to serve more than one purpose. The company says it expects continued demand for sleeper sofas engineered for real use rather than occasional necessity, while noting that a fold-out remains a compromise between a sofa and a bed by nature, and that its aim is to make that compromise a smaller one.

About DreamSofa — DreamSofa is a Los Angeles-based custom furniture manufacturer specializing in made-to-order [modular sofas, sectionals and sleeper](#) sofas built in the United States. Its customization framework, DreamCustom, lets buyers specify style, size, fabric and finishing details, with pieces manufactured to the inch through its FlexForm sizing system. The company's tools and programs include DreamStudio, a 3D and augmented-reality room configurator; DreamModular, a tool-free reconfigurable seating system; DreamSleeper, a sleeper-sofa system engineered without a conventional support bar; and DesignXChange, a program for swapping covers and inserts. Products are offered with white-glove delivery, a 100-day trial and a lifetime frame warranty. More information is available at dreamsofa.com

Maria Gonzalez

MGP

+1 305-204-8988

[email us here](#)

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