

Science of Comfort

SCA Design Team had to work very hard in creating the Intuition Chair, to make a very complex technology work in a very simple, effortless way for all users, regardless of their size or preference

Integrated Technology

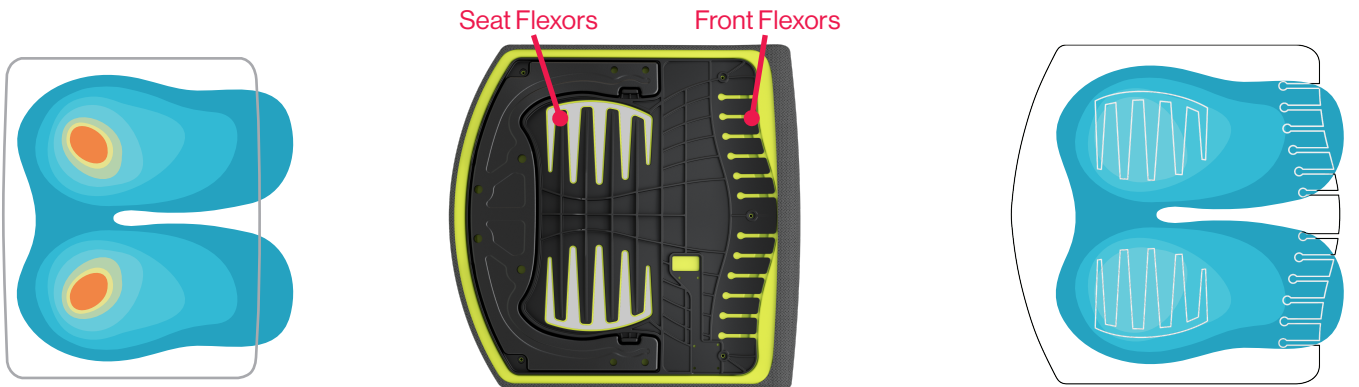
Our commitment to leveraging the latest material performance and manufacturing technology advancements allows us to create products that not only meet but also exceed industry standards for quality, performance, and environmental protection.



Comfort and Active Balance Movement

Advanced ergonomics and technology are applied in the Intuition and Entro seat construction for great comfort.

Variable strength Flexors provide support to the seats specially shaped foam design. These Flexors automatically configure to your lower body shape and continuously respond to your bodies movement as you perform your work. Pelvic Flexors and Front Seat Flexors reduce pressure points and distribute weight evenly. This provides healthy blood circulation and maximum oxygenation for a reduction of stress and fatigue so you can have better concentration, creativity, and productivity.



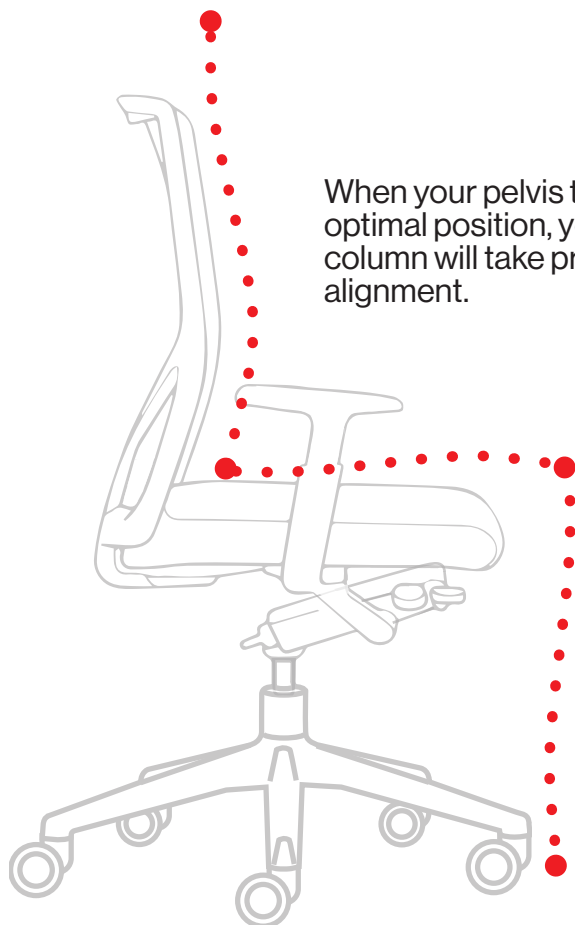
Regular Seat with high pressure points

Seat Flexor Technology

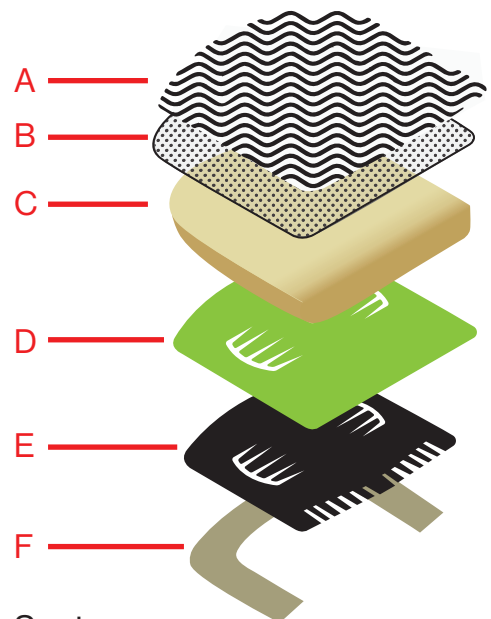
Maximum Oxygenation and Blood Circulation

Flexor Seat with low pressure points

Pelvic Flexors and Front Seat Flexors distribute weight evenly and reduce pressure points.



When your pelvis tilts into its optimal position, your spinal column will take proper alignment.



Seat construction

Seat construction

Our seats are composed of multiple layers. The combination of these layers is essential for maximum blood flow and comfortable seating. They provide a dynamic sitting experience that adjusts to the user's weight and posture, ensuring that they remain comfortable and supported throughout their workday.



CLEAN IMPACT TEXTILES™

Designed with sustainability in mind, Clean Impact Textiles® fabrics are made from repurposed throwaway materials and combine innovative technologies that minimize their environmental impact at the end of their useful life. They are a solution.

World's first 100% Post-Consumer
Recycled Biodegradable* Polyeter



Ocean waste
plastics



Yarn



Clean Impact
Textile



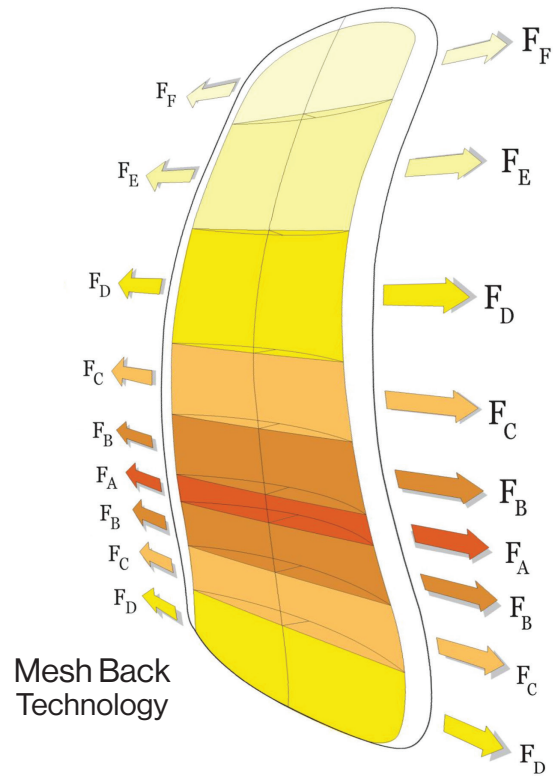
Fabric biodegradation
Biosphere restoration

Learn more at www.sfioffice.com/sustainability/

Elastomeric Fabric Multitension Technology

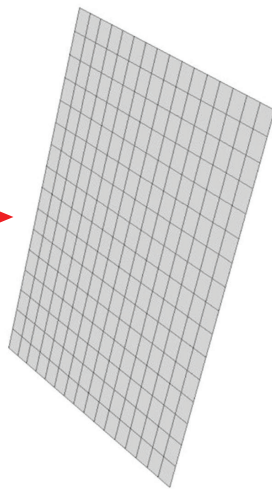
The Elastomeric Fabric used in our mesh backs conforms to the shape of your body providing a more customized fit that distributes weight evenly to improve posture and reduce pressure points.

Our mesh backs provides an open, breathable design that allows air to circulate around the body, helping to regulate temperature and reduce the risk of sweating.

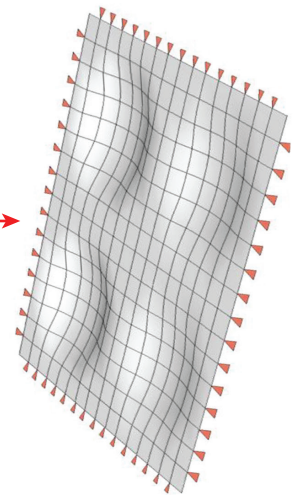


Engineering and Manufacturing Approach to Mesh Elastomeric Products

Mesh fabric with
no stretch properties



Elastomeric Mesh
Fabric developed
with multi stretch and
deflection properties
using
Dupont monofilament



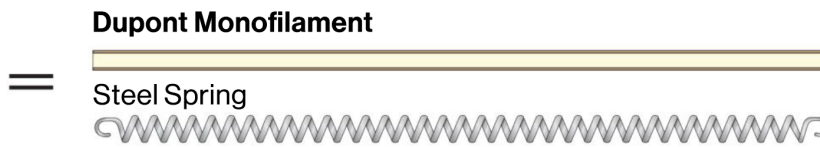
Potato chip material
Potato chip technology



Computer chip material
Computert chip technology

Technical Aspect of Mesh Elastomeric Fabric

Elastomeric mesh provides great strength and durability, which is important for a material that will be subjected to repeated stress and strain over the lifetime of a product.

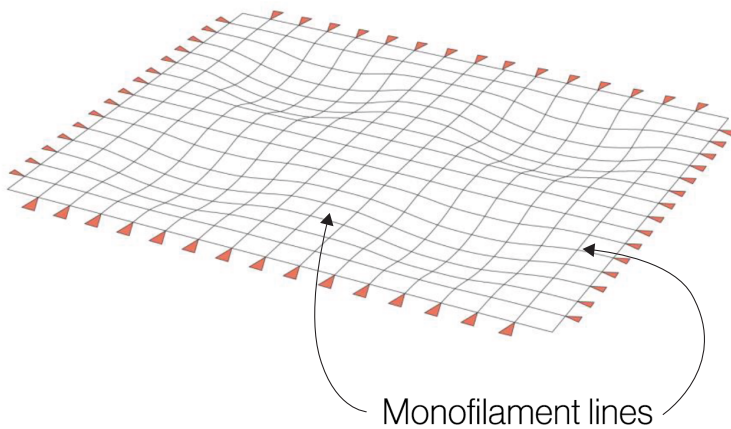


$$\sigma = E \varepsilon$$

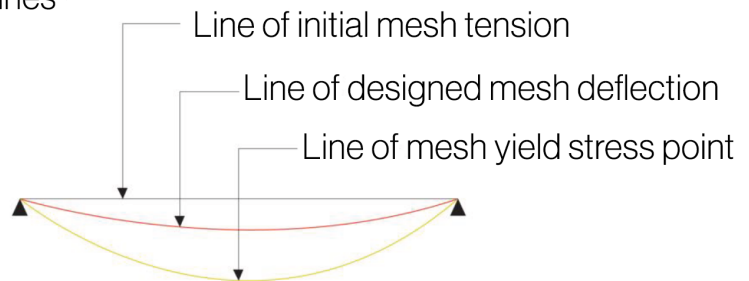
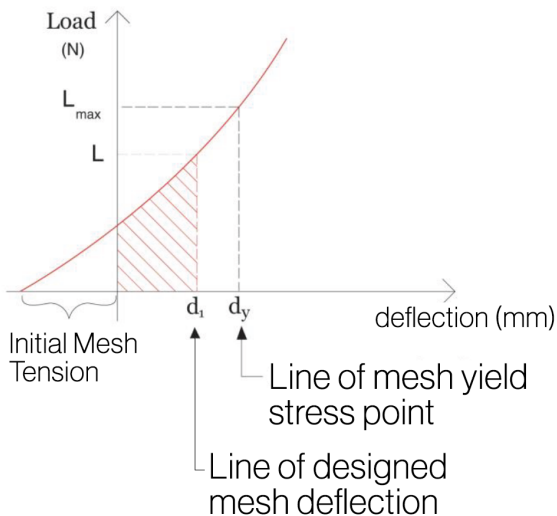
σ = Stress

E = Modulus of Elasticity

ε = Strain



Mesh Deflection depends on the ability to control the deflection factor and to permanently lock each line of fabric to a frame



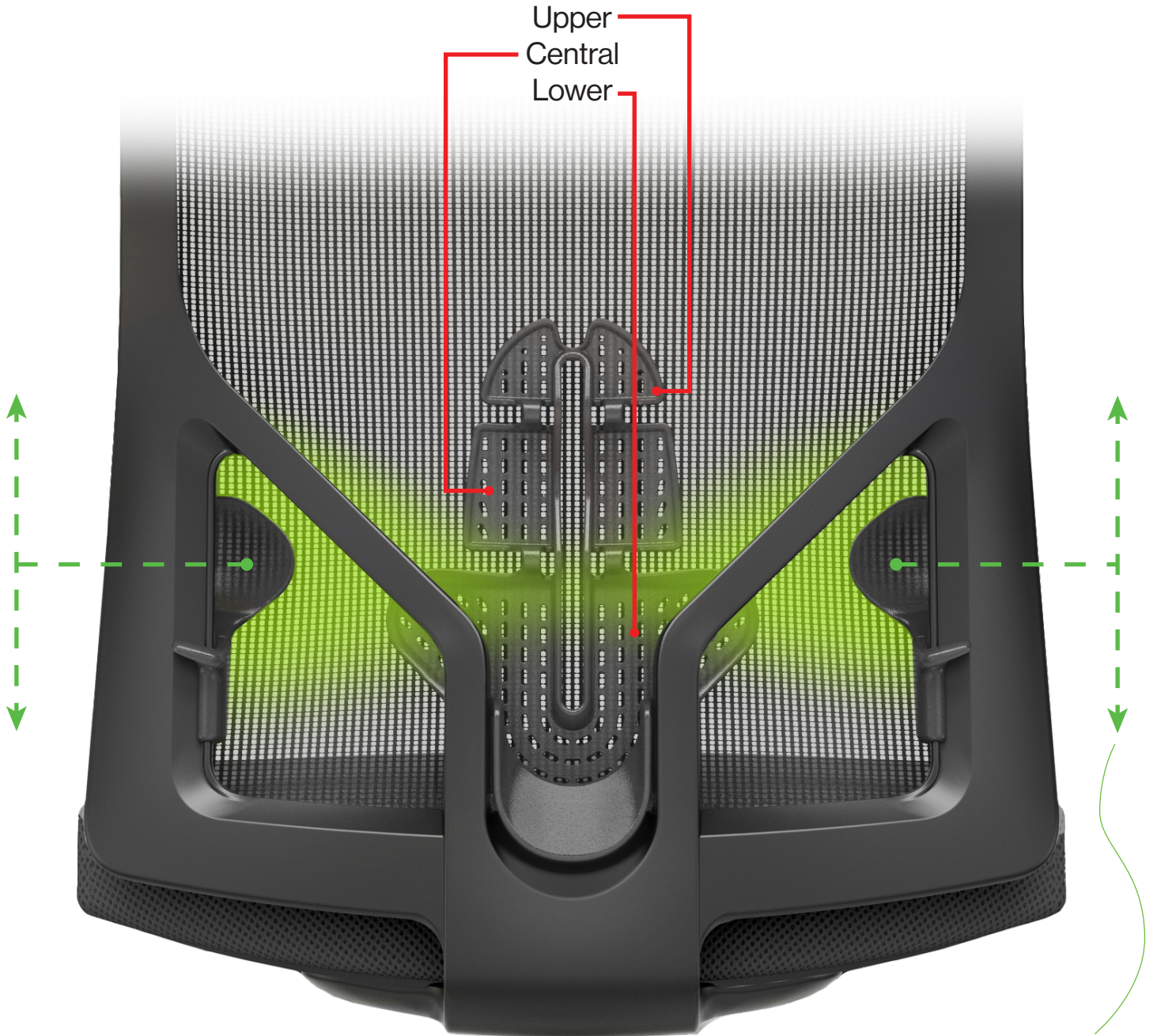
Designing Comfort. By accurately predicting mesh deflection and load, our engineers create mesh designs that are comfortable, safe, durable, and perform as intended under various load conditions.

Adjustable Thoracic Lumbar Pads

These pads are designed to provide targeted support to the thoracic and lumbar regions of the spine. Adjustable Thoracic Lumbar Pads, made of the same flexible material as the Pelvis and Spinal Pad support, are designed to flex in response to the user's movement and provide a custom fit.

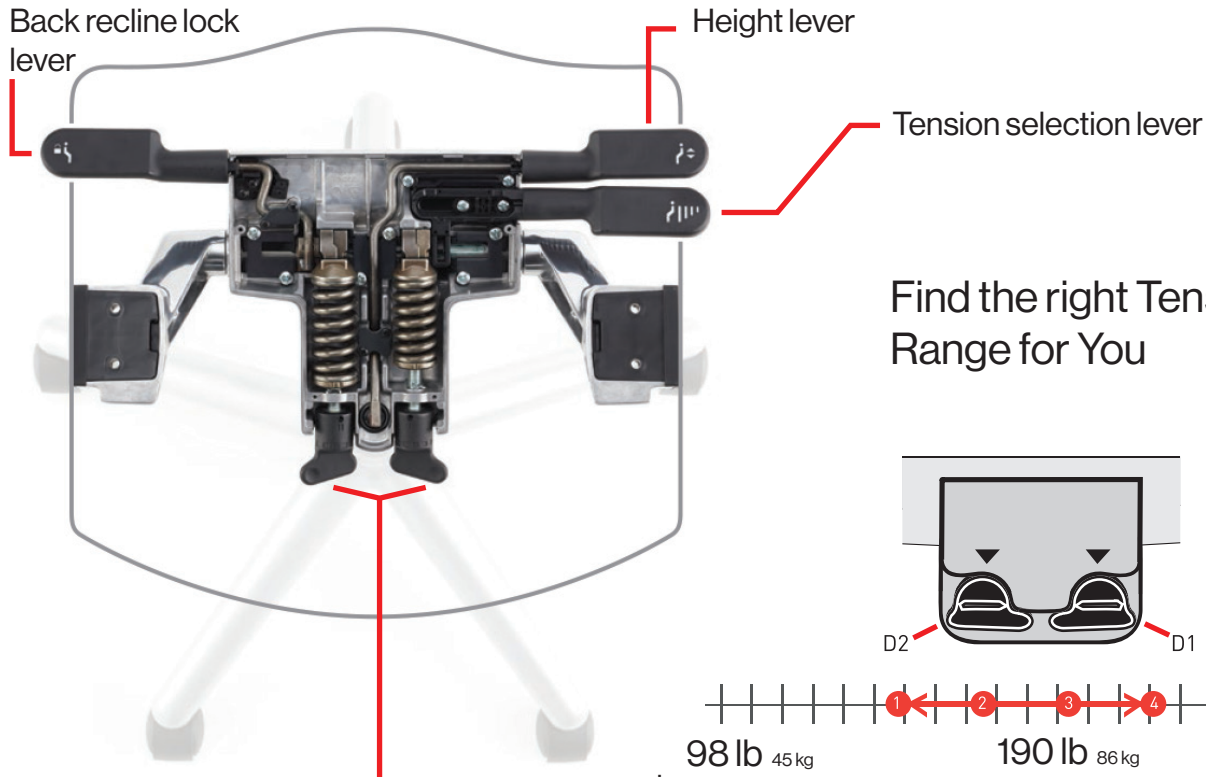
Responsive back support

Upper
Central
Lower

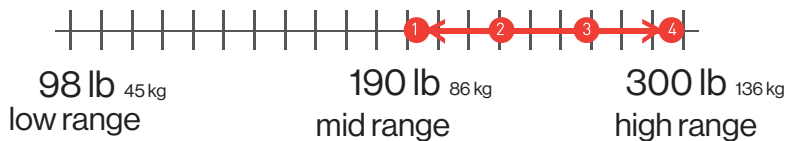
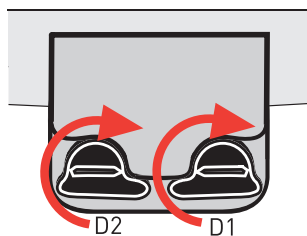
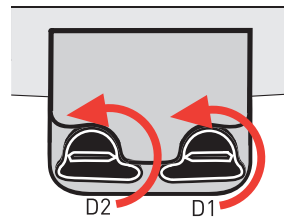
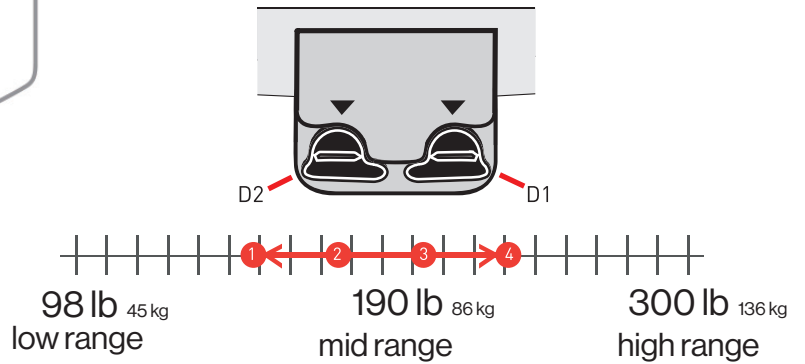


Adjust your comfort to personal preference

Adjust Mechanism Tension To Every Weight Range



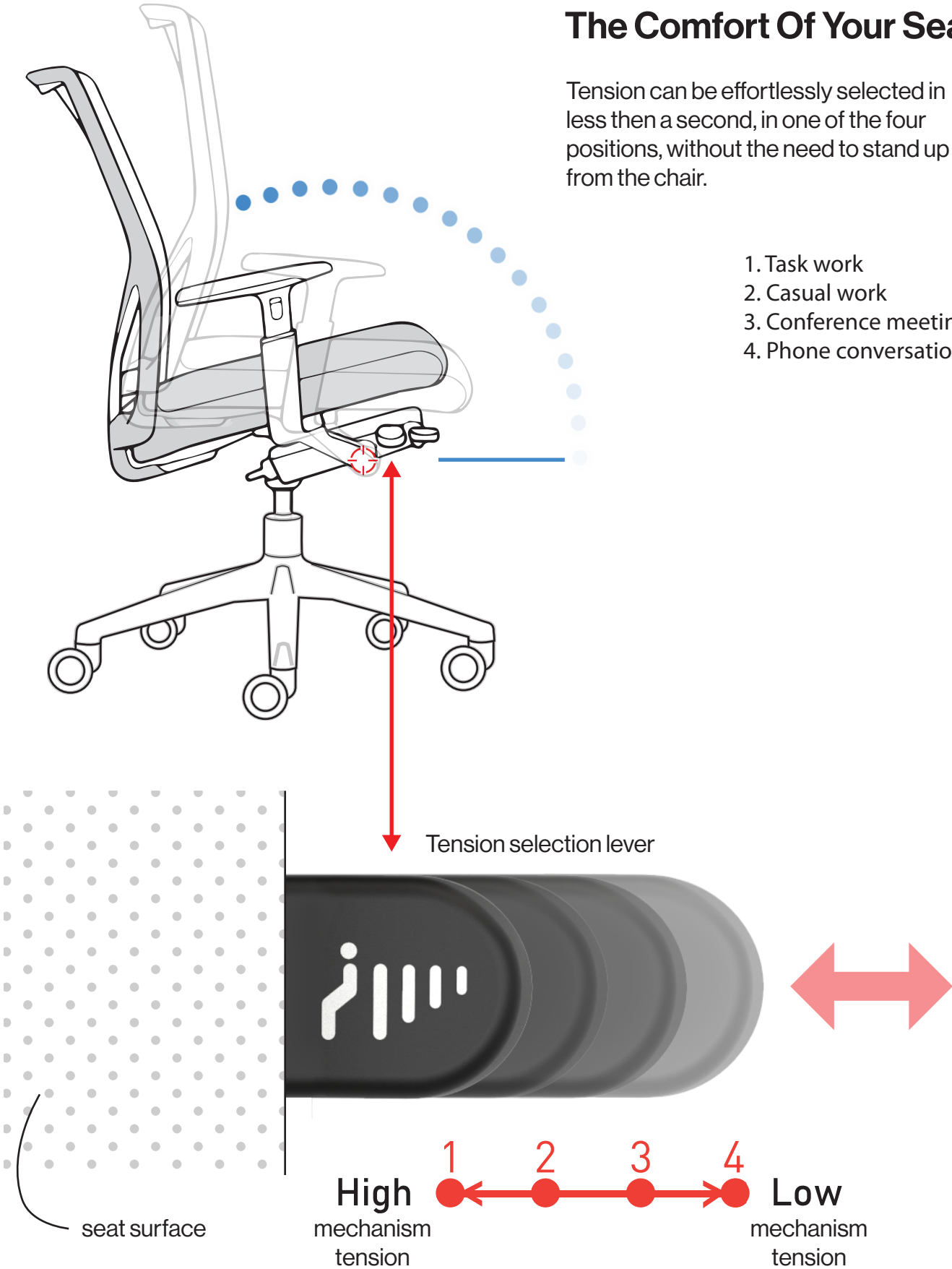
Find the right Tension Range for You



Tension Selection From The Comfort Of Your Seat

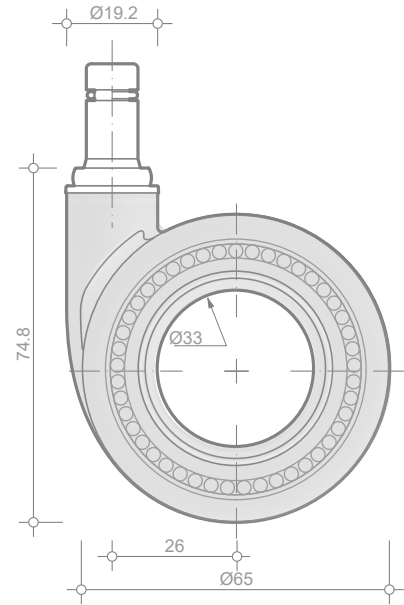
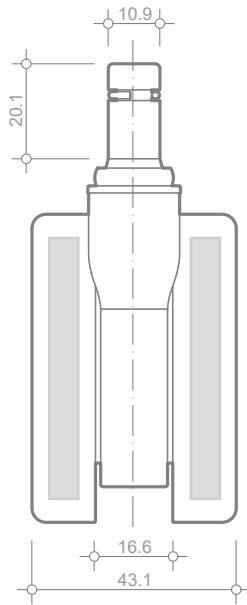
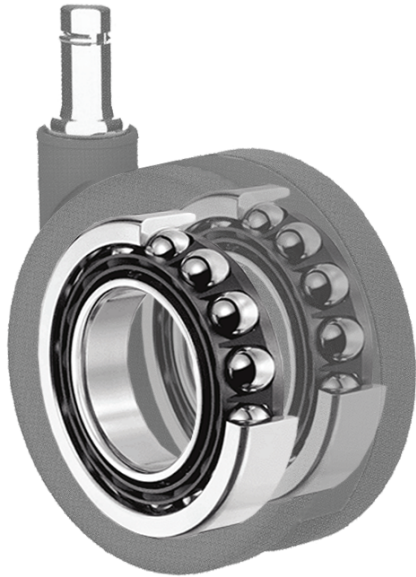
Tension can be effortlessly selected in less than a second, in one of the four positions, without the need to stand up from the chair.

- 1. Task work
- 2. Casual work
- 3. Conference meeting
- 4. Phone conversation



Ball Bearing Casters Technology

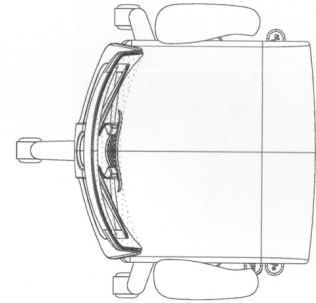
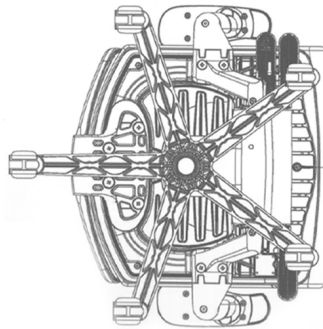
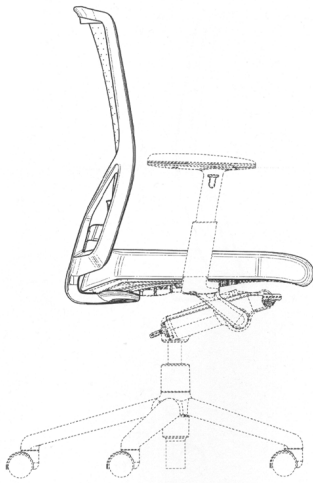
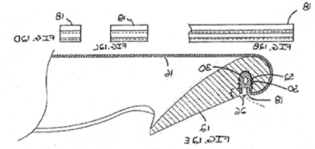
Experience the smoothest ride with our ball bearing casters.



Effortless Smooth Silent Motion



Innovation in New Technology and Manufacturing Know-how



Patents

We have been granted twelve **U.S. Patents** for our innovative technology, design, and engineering of office chairs. These patents cover a range of features and functionalities, from ergonomic designs to adjustable features, and even advanced materials and manufacturing processes. We are proud to have received this recognition for our commitment to research and development, as well as our focus on creating high-quality products that meet the needs of our customers.

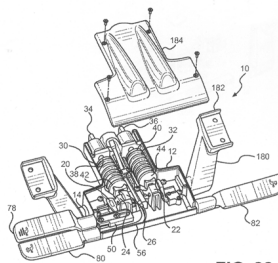
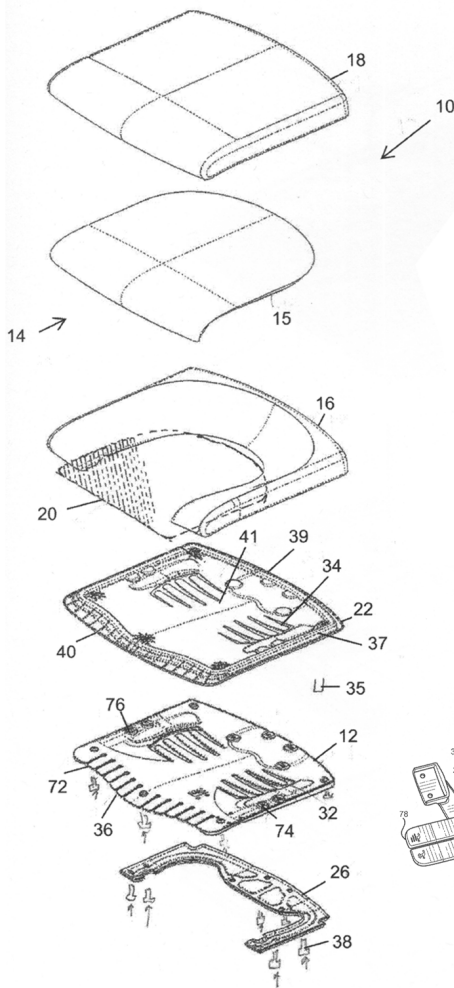
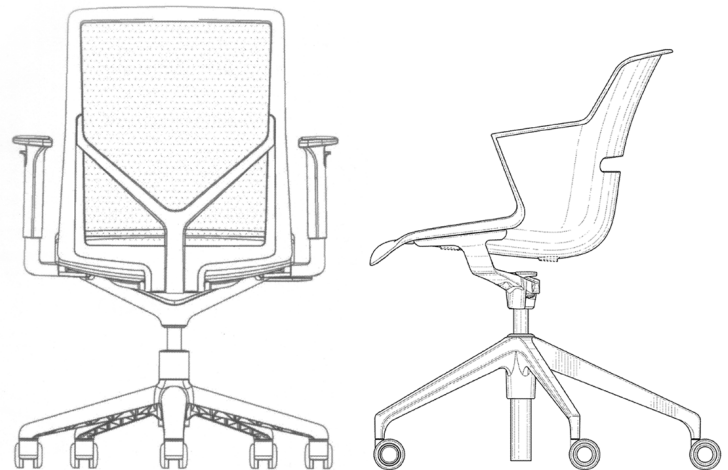


FIG. 22

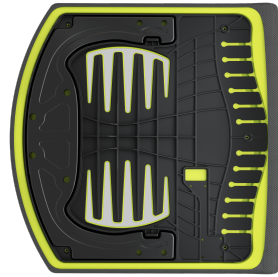


Implementation of Technology

Our chairs provide optimal support and comfort in prolonged seating.

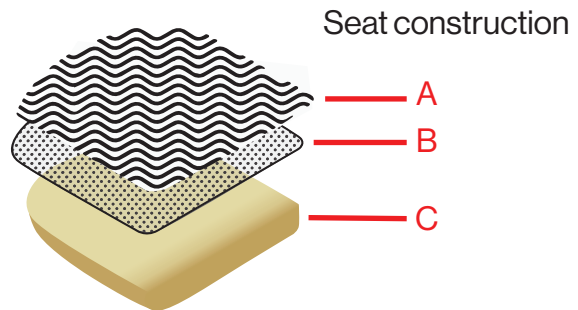
Seat Flexor Technology

Maximum Oxygenation
and Blood Circulation



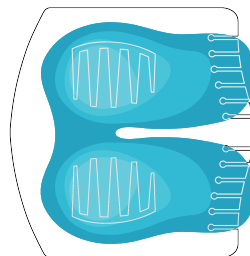
Rhea chair

The Rhea chair offers exceptional style and advanced technology for maximum comfort. Its Mechanism Technology allows for smooth and effortless reclining, while the Ergonomic Polymer Shell conforms to the user's body, providing excellent support.



Entro chair

The Entro chair boasts the same Mesh Technology and Flexor Seat Technology as the Intuition Chair, making it a top choice for those who prioritize ergonomics in their seating.



Pelvic Flexors and Front Seat Flexors distribute weight evenly and reduce pressure points.



In creating furniture for the Hybrid Office Model
we use
Human-Centered Design and Engineering

SCA
Design Team