

DESIGN STORY : PULSE CHAIR

OVERVIEW

The “Pulse” as a chair gets its character from the cantilever segmental bridge. The chair has a distinct bow shaped element which gives the chair its unique visual character and physical strength.

A bridge is the lifeline connecting people and places, so is this chair which provide the users a comforting connect with their work at home or office, hence the name “PULSE”. The name itself represents that the chair is alive and adjusts to the user’s body contours in various sitting postures without much effort.

The back of the chair is made up of a unique mesh which aids in ventilating the back of the user and at the same time it voluntarily adjusts itself to suit the back contours of users with any size, shape & body mass index. All of this ensures that one has a comfortable seating experience.

INSPIRATION

The inspiration was derived from the visual lightness and strength of a cantilever segmental bridge. The vertical arch visible on the back of the chair is influenced by the convex arch type construction of the bridge. Interestingly the back of the chair gets its strength from mimicking this type of construction. Even the small details like the chamfers have been incorporated in the chair’s design for a sleek and appealing design language.



Inspired by the cantilever segmental bridge structure design



OFFERING & INTENDED USE

1. Full Back chair with Neck rest

2. Full back chair

Armrest options – Fixed and Height Adjustable

Seat Depth Options – Two Sizes: Standard and Larger Seat Depth

Pulse chair is suitable for workstation seating needs in varied types of offices where users go through hectic work schedules and long hours of sitting. The fully adjustable chair is a perfect solution for large scale office having multiple user body-types.

USER BENEFIT

In today's scenario a lot of chairs are available which do not provide so many adjustments into one which compromise on comfort. The Pulse chair is built with intuitive user adjustable features in lumbar, neck rest, armrest, back lock position, back tilt tension, seat height and option of two seat depths. The user can easily fine tune the chair to form a perfect fit for long hours of sitting.

The chair has been tastefully sculpted to appeal to today's generation of users who have a liking towards sleekness and lightness. Following elements of the chair explain the aesthetics and user benefits -

1. Back Rest -

The back has a unique "Bow" shaped vertical element accentuating the symmetry in the chair form. When seen from the side one can notice that the upholstered breathable fabric over the frame forms a "Bow & String shaped arrangement" which allows the chair to align itself to the user's body contour. This combination of a boxy look with curved surface contour delivers the desired comfort. The back has a chrome finish accent cover at the bottom to give a premium touch.

2. Back Lumbar support –

The form is inspired by the shape of the butterfly wings. The segmented wings flexes with even a slightest amount of pressure which providing 'massage effect' support to the lower back. The support system is height adjustable.

3. Neck Rest support –

The retro-fit neck rest is made up of flexible cantilevered loop elements which are connected to each other to form a continuous linkage. The flexible elements allow for a good cushioning along with a upholstered foam layering and adjustability of height and angle.

4. Seat Cushion –

The concave seat cushion has generous radii on the front edge which provides a comfortable clearance for the popliteal region. The unique feature for the chair is that the seat is available in two seat depth sizes to suit the user needs of getting a optimum leg support.

5. The Arm assembly –

Height Adjustable Armrest:

The skewed trapezoid shaped arm top merges with the armrest post giving it a “T-shaped” appearance. The slim arm top gives a very sleek and crisp appearance to the armrest and houses a soft PU component which provides softer touch and feel for the elbow.

Fixed Height Armrest:

The trapezoidal arm top merges with the armrest post giving it a fluidic T Shape appearance with a flowing neck line. The vertical post has a wider base which tapers inwards towards arm top.

6. Tilt Mechanism –

Pulse chair comes with a Knee-Tilt Synchronous mechanism in which the back angle can be locked in 4 positions including upright position. The back can also be relieved from locking and reclined, just in case if the user wants to relax with a opened back angle. The tilt tension is adjustable as per user weight.

INNOVATION

1. The Lumbar support pad is subdivided into 5 butterfly shaped wings which precisely adapt to the lower back of the user and ensures perfect fit as the height can be adjusted in sitting posture itself.
 2. The retro-fit neck rest is also made up of several flexible segments which easily take the form of the user's neck providing complete neck support through its upholstered foam layering and adjustability of height and angle.
 3. The back is made up of a single plastic component which has simple grooves for easily upholstering the mesh fabric without any staples or glue.
 4. The Seat is available in two seat depth sizes as per customer requirements.
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EMOTIONAL CONNECT

The chair has a unique central bow which instantly communicates the feeling of strength and robustness. The rear side of the chair the back has a chiseled boundary running all across two symmetrical partitions divided by the bow. This gives the chair a very smart appearance.

The real surprise is actually hidden in the lumbar support and the neck rest. When the user sits on the chair the butterfly wing shaped elements engage the user in a lumbar hugging bliss. Similarly one gets an enjoyable neck support experience while reclining during a casual chat.

The knee tilt Synchronous mechanism when freed from upright lock, engages the user in rocking chair like experience.

The mesh fabric used in the back further enhances the seating experience by providing a matching fit to the user's body contours.

The chair thus connects with the user by offering him/her a complete comfort experience with a unique style statement.

CONCEPT RENDERS



KEY FEATURES



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