



orangebox *Spina*

consider this

sit as you wish

without adjustment / without thinking

move freely /
without hesitation /
as Spina moves with you

seamless, spontaneous support /
no matter what your height or weight

to some, it is a chair / to others, an expression of the

Japanese
art

of showing consideration

you'd be surprised at the variety of ways people sit in task chairs.

Yet the design and development of most office chairs is based on one assumed position of conventional upright sitting.

For a task chair to function fully, we need to be able to

sit back,
lean forward,
tilt sideways and always be supported.

With this in mind, we realised that the design of the task chair needed some serious rethinking.

But that wasn't all...

Surprised

With the demands of the average workplace,

we simply
don't have the time
to understand

and take advantage of a chair's functionality.

The average user doesn't think about their posture, so

adding more adjustment options doesn't necessarily mean greater comfort.

At the same time, sitting with correct support for the back is vital. A task chair needs to be able to help maintain good posture to avoid debilitating fatigue, muscle aches and back pains.

Clearly, we needed to develop a chair that provided comfort and support, whatever a person's size and shape or the position they adopted while seated. A chair that makes seat depth and lumbar adjustments unnecessary, yet solves the problem of how to make someone comfortable, the moment they sit down.

when you sit
in Spina,

**you sit
as you wish,**

without
thinking

Spina's 'Passive Seat Slide' (PSS) mechanism allows the seat to sink backwards, bringing the sitter's body towards the lumbar. Simultaneously, the Active Lumbar Support (ALS) automatically moves forward, triggering a feeling of comfort in the lower back, hips and pelvis.

These two mechanisms function in one seamless, harmonious movement, so Spina is always perfectly tuned to the individual.

With its PSS and ALS mechanisms, Spina provides spontaneous, supportive seating, even when changing postures, reclining or leaning forward. All without any need for manual adjustment.

By harnessing our natural compulsion to move, users don't have to be taught how to 'drive' the chair. Spina lets you sit naturally and feel instantly supported, always.





this is not a revolution in chairs
but simply a deepening of the
relationship
between chairs and people





freely move

without hesitation /

as Spina moves with you

We took the idea of seamless, spontaneous support and applied it to the backrest as well. The striking aesthetics of the transparent, vertical-ribbed backrest may give Spina its signature look, but it isn't just for show. **Beneath the surface is some sophisticated technology.**

Our aim was to develop a backrest that provided firm support, yet had the flexibility and malleability to change shape, move laterally and push out the lumbar effectively.

After extended research and development, the solution was Spina's elastomeric backrest, which combines the properties of both flexible plastic and rubber materials.

Spina's iconic design helps correct the posture after long periods of static work.

The vertical ribs dissipate heat between the sitter's back and the backrest and create optimal airflow for ideal thermal comfort.

Its monocoque construction also makes it easy to recycle, reducing impact on the environment.

this is not the pursuit of function /

this is the

pursuit of

Take a seat in Spina
and one of the first things you'll notice is
Spina's 'touchdown comfort',

even though the cushion itself is considerably slimmer than conventional chairs. To achieve this, we developed a system of springs and dampers to create a suspension system that performs reliably whether a light or heavier person sits, effectively controlling the speed of decline.

The seat's inner shell uses a complex pattern of perforations that allow the seat to flex and adapt to the shape of the user. This clever technique helps increase comfort and reduce sitting fatigue over long periods by spreading the pressure from the sitter's weight evenly and enlarging the seat area in contact with the body.

The perforations also prevent heat and moisture from accumulating.

feeling

No matter who you are or how you
like to sit, you'll

always

be supported and comfortable

for those who prefer a fabric backrest we designed

a perforated inner shell with three-dimensional flexibility. The challenge came when we needed to create an upholstery system that could cope with such extensive movement.

our solution

was to develop a cover design using a specially selected fabric combined with inventive use of technical stitching and fastening methods.

The result is a crisp, elegant upholstered backrest that complements Spina's flexibility and is uniquely comfortable and functional.

instant support
without adjustment

Spina is designed by Bow Design Tokyo for Itoki Corporation and manufactured under license by Orangebox.

Spina, together with the Hondajet and Nintendo Wii, has been awarded Japan's prestigious Good Design Award.

Spina has been awarded BS 5459, BSEN 1335, BIFMA and Ergonomic Excellence by FIRA.

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STANDARD MODELS AND OPTIONAL FEATURES



Spina-01
Elastomer Back Task Chair



Spina-02
Elastomer Back Task Armchair



Spina-03
Upholstered Back Task Chair



Spina-04
Upholstered Back Task Armchair

TECHNICAL SPECIFICATION

STANDARD TASK CHAIRS:

- Black nylon 65mm castors.
- Powder coated light grey 813 Orangebox 660mm diameter aluminium base.
- Brushed steel gas lift with 120mm travel.
- Mechanism constructed in steel and aluminium with non user serviceable precision parts.

The "Passive Seat Slide" (PSS) mechanism slides the seat down and backwards, adjusting the seat depth. This movement in turn automatically actuates the "Active Lumbar Support" (ALS) correcting the height of the lumbar profile to engage the users back. 45mm Horizontal and 30mm vertical stroke on the PSS. 45mm Stroke on the ALS with 2 position lever to change resistance. Back movement has a lever with 3 positions. Side tension adjustment. Interchangeable moulded seat foam with polypropylene insert (485mm x 485mm), upholstered assembly has inherent flexibility to move with the user.

Two back styles, semi transparent Elastomer (TPE) ribbed back (550mm x 470mm), providing the benefits of a ventilated back or upholstered interchangeable moulded back foam with polypropylene insert (550mm x 470mm), both back styles have inherent flexibility to move with the user.

The extended telescopic lift offers the seat height range of approximately 445mm to 605mm.

Black arm pod (107mm x 240mm), with polyurethane foam insert and moulded components.

Steel and die cast aluminium arm supports, powder coated light grey 813. Arm pad with 100mm vertical travel in 10 increments and 2 inward rotation positions.

Elastomer back chair weight 26kg.
Upholstered back chair weight 25kg.

Upcharge options:

- Headrest with upholstered pad to match seat.
- Black moulded coat hanger.
- Polished Orangebox 660mm diameter aluminium base.
- Polished aluminium rear bracket / arm supports.
- Grey castors.
- Soft castors.
- Seat available in all standard Orangebox fabrics, Leathers and Vinyl. (SUR required for alternative)

STANDARD VISITOR ARMCHAIRS:

- 25mm diameter high tensile steel tubular cantilever chair frame, powder coated 813 light grey
- Cast aluminium arm supports, powder coated 813 light grey.
- Black moulded back and seat support.
- Semi transparent Elastomer (TPE) ribbed back (550mm x 470mm) provides the benefits of a ventilated back.
- Interchangeable moulded seat foam with polypropylene seat insert (485mm x 485mm).
- Interchangeable moulded back foam with polypropylene back insert (550mm x 470mm). (If upholstered back specified)

Upcharge options:

- Chromed cantilever frame
- Polished cast aluminium arm supports

UPHOLSTERY OFFER (TASK AND VISITORS):

Elastomer Back: Please refer to options shown in the Orangebox price list for Groups 1-8 plus leather and Vinyl. Normal conditions apply

Upholstered Back: Only available in six Camira Oxygen fabrics due to stretch requirements –

Spruce	BA 039
Garden	BA 013
Aloe	BA 020
Revive	BA 010
Fern	BA 018
Inhale	BA 001

Active Lumbar Restriction
Stops forward movement of the backrest while maintaining backwards movement



The Spina Environmental and full Technical documents are available from showroom@orangebox.com





Spina-04
Back Task Armchair



Upholstered Back Task Armchair
with Headrest



Upholstered Back Task Armchair
with Headrest and Coat Hanger



Spina-05
Elastomer Back Visitor Armchair
(Cantilever)



Spina-06
Upholstered Back Visitor Armchair
(Cantilever)

TOGETHER WITH SEAT AND ARM HEIGHT ADJUSTMENTS,
SPINA OFFERS THREE ADDITIONAL ADJUSTMENT OPTIONS FOR THOSE WHO DEMAND
COMPLETE CUSTOMISATION.



Tilt Limiter

A simple lever allows you to choose the angle of recline you desire.



Armrest Adjustment

Armrests can be raised and rotated inwards to suit personal preferences.



Seat Height

Adjusts the seat according to the user's height.

Lumbar Restrictor
of the backrest whilst
backwards movement.



Tension Adjustment

Adjusts the recline resistance according to the user's weight.





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