

HAWORTH

Fern Presentation

2024

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- Statement of Line and Features
- Functions
- Colours and Materials
- Applications
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Value Proposition



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Design innovation

Over 12 years of research, Fern is
built to move naturally with you.



Wave Suspension™

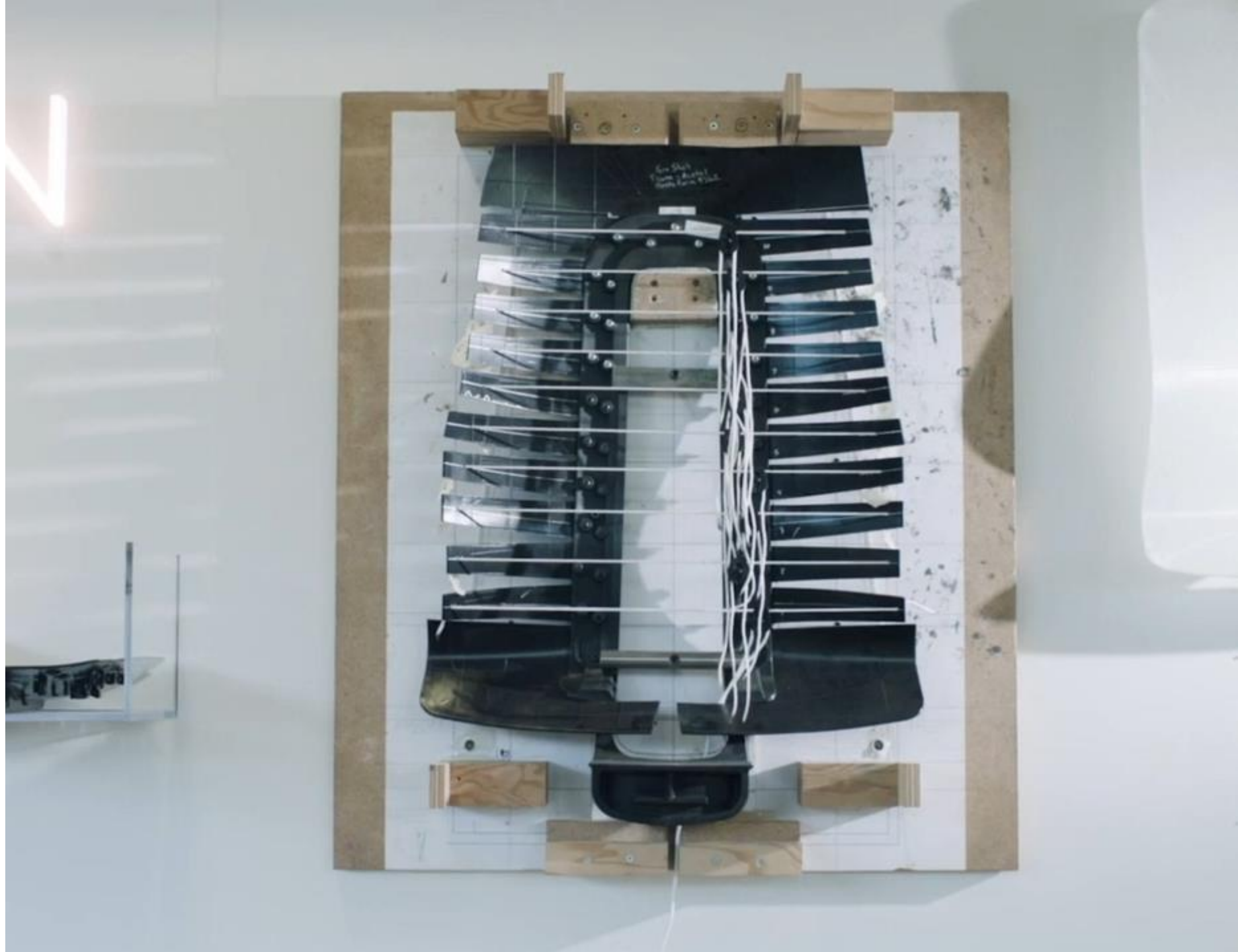
Fern provides new levels of balance, flexibility, and performance. It's designed to support the person. Fern's Wave Suspension system is the heart of the chair and the key to its back comfort and flexibility. From the outside, the back looks simple. But inside is an intricate level of science, engineering, and innovation that enables Fern to work with you, not against you.



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Nature's Flexibility

Inspired by the structure of a fern, the Stem™ is a centered spine that supports a series of Fronds that extend like leaves. Each Frond™ is calibrated to support a different area of the back from the thoracic (upper back) to the lumbar, to the pelvic areas. The Cradle™ overlays the Fronds and Stem, working in concert with them for effortless support.



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Infinity Edge™

The Wave Suspension system is the key to the soft Infinity Edge™. Fern's Infinity Edge is soft and pliable for an edgeless comfort experience. Nothing interferes with movement to create discomfort and distraction.



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Total Back Support

Based on research with physical therapists, this chair also offers thoracic back support (upper back), which goes further than most office chairs giving the user total back support.



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Work Well

With Fern, more comfort means less distraction. As you move or change posture, Fern works with you, not against you, so you can stay focused on the tasks at hand.



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Sit Well

Fern accommodates the diverse working population with new levels of all-day comfort, regardless of size, posture, or work mode.



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Feel Well

Fern provides a comfortable, engaging sitting experience that creates good feelings, keeping you balanced and centered in your chair. Its approachable design is less machine, more human, with mechanics discreetly integrated into the warm, residential aesthetic.



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Digital Knit

Fern merges biomimicry with technical research to offer solid ergonomic comfort while remaining soft and flexible. Haworth incorporates the best ideas wherever we find them.

Haworth Digital Knits seamlessly combine the comfort of a favourite sweater with the advanced technology of a high-end running shoe.



Minimising our impact, one stitch at a time

With the Fern Digital Knit, we're bringing innovation from the fashion industry to furniture: the recycled polyester fabric diverts as many as 17 PET-based plastic bottles (0.5l) from waste.

Fern's Digital Knit produces less textile waste and requires less cutting than traditional upholstery.



Get inspired

Find the perfect style with Fern Digital Knit mood boards



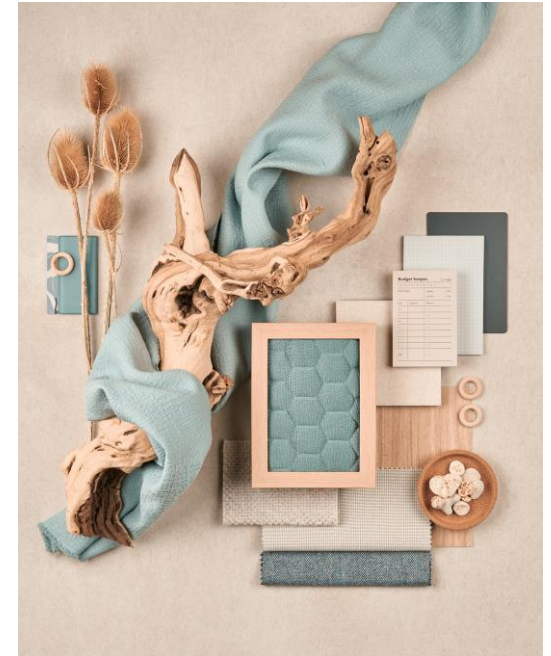
Dune Rose



Emberglow



Mariner



Waterside

HAWORTH

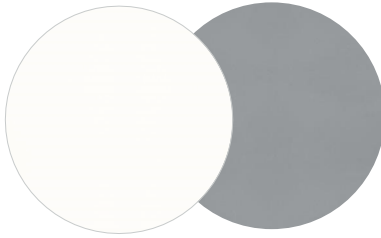
Suggested pairings

Back Digital Knit



Dune Rose

Plastic



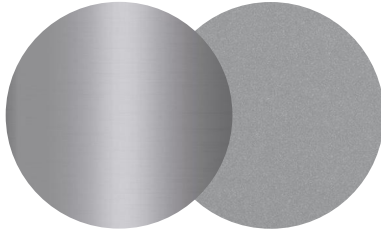
Snow or Fog

Seat Fabric



King LH-BE Beige
63/1008

Aluminum Base



Polished Aluminum
or Titanium EC



HAWORTH

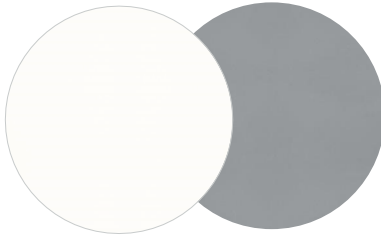
Suggested pairings

Back Digital Knit



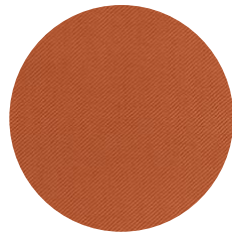
Emberglow

Plastic



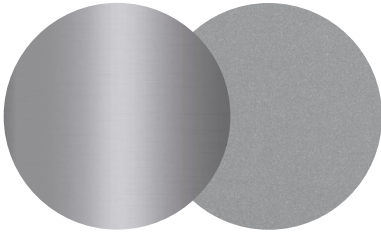
Snow or Fog

Seat Fabric



Relate 461

Aluminum Base



Polished Aluminum
or Titanium EC



HAWORTH

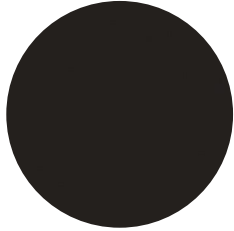
Suggested pairings

Back Digital Knit



Mariner

Plastic



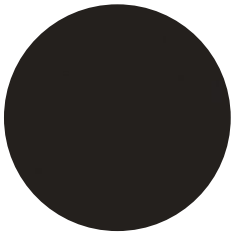
Black

Seat Fabric

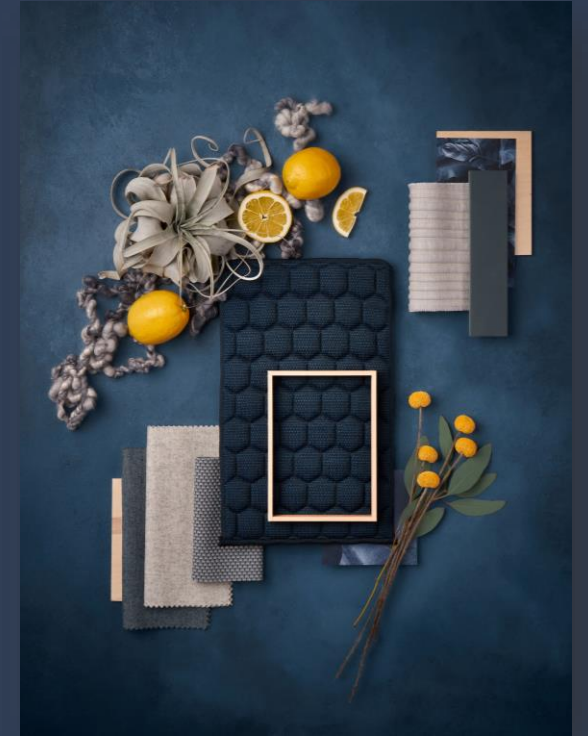


Atlas Lw - S881

Aluminum Base



Aluminum structured
black



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Suggested pairings

Back Digital Knit



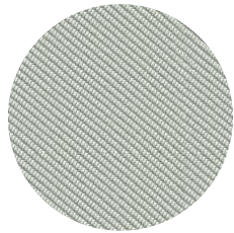
Waterside

Plastic



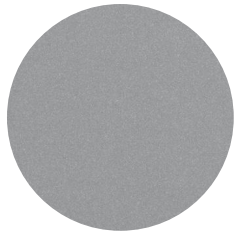
Fog

Seat Fabric



Oceanic Paddle
4TOPD

Aluminum Base



Titanium EC



Statement of Line and Features



Statement of Line



Fern Task Mesh



Fern Task Mesh type A
(certified according EN1335)



Fern Task Leather



Fern Digital Knit



Haworth x Halo
Fern Gaming Chair

Key Features



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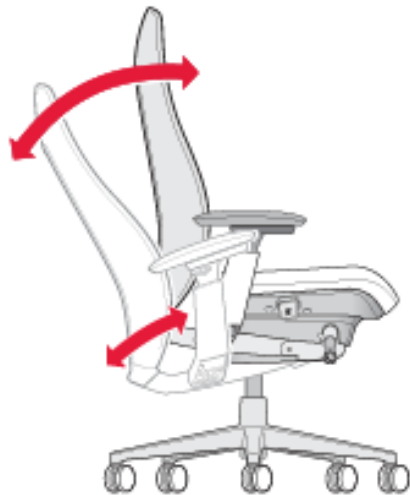
Key Features

- Designed by Haworth Design Studio and ITO Design
- 3-point mechanism with 1 back-lock and 4 back-stop positions.
- Flexible and pliable backrest, providing total back support
- Optional forward tilt for varying sitting postures
- Optional Lumbar support – height adjustable



3 Point Synchronous Mechanism

- Aligns the pivot points of the mechanism with the pivot points of the body: hip, knee and ankle.
- User's back doesn't lose contact with the chair backrest when reclining.
- Allows deeper recline angles for optimum comfort.



Ergonomic Benefits



Helps maintain blood circulation in the legs



Ensures Upright posture



Promotes intervertebral disc nutrition



Prevents neck and shoulder pain

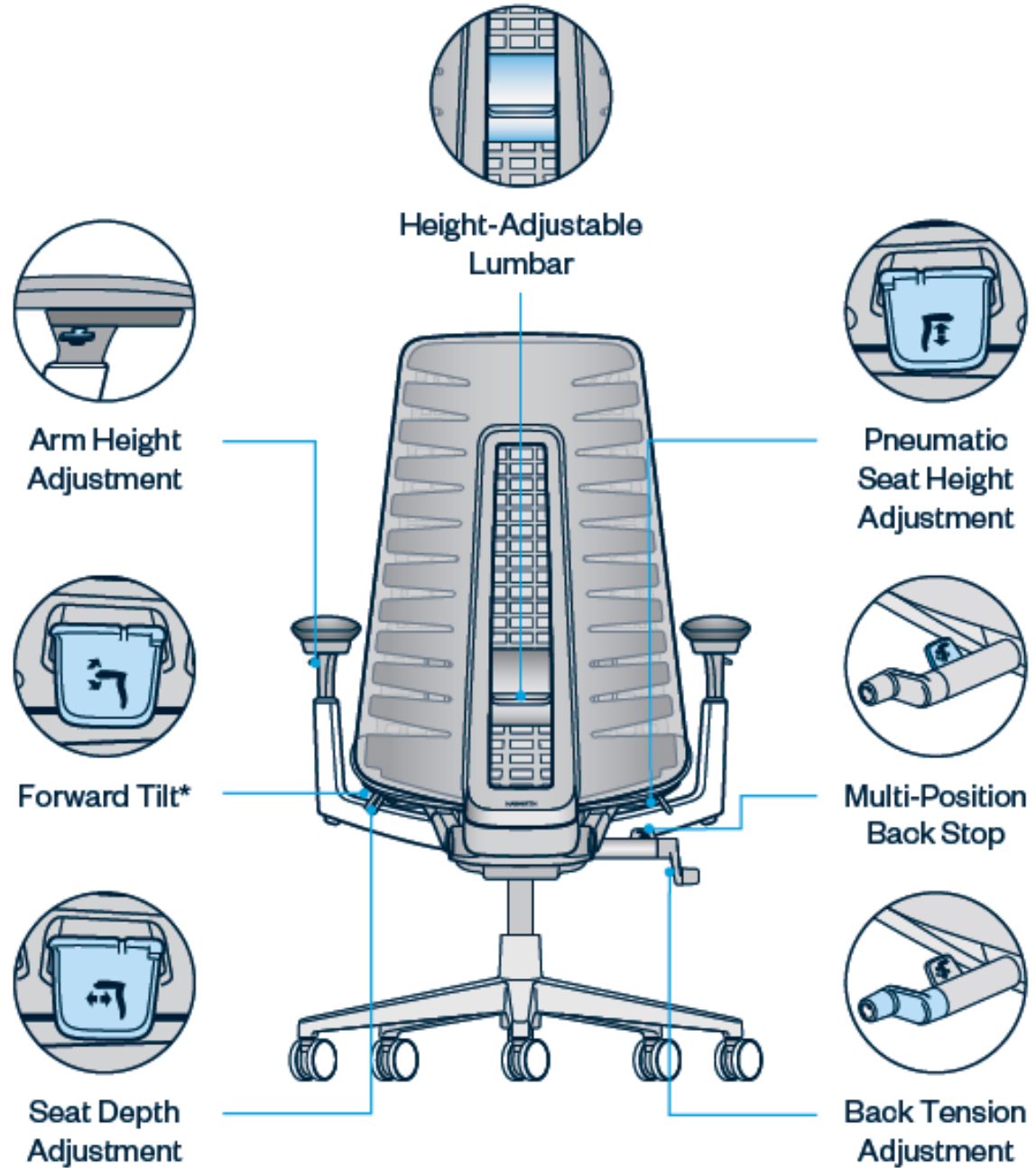


Functions



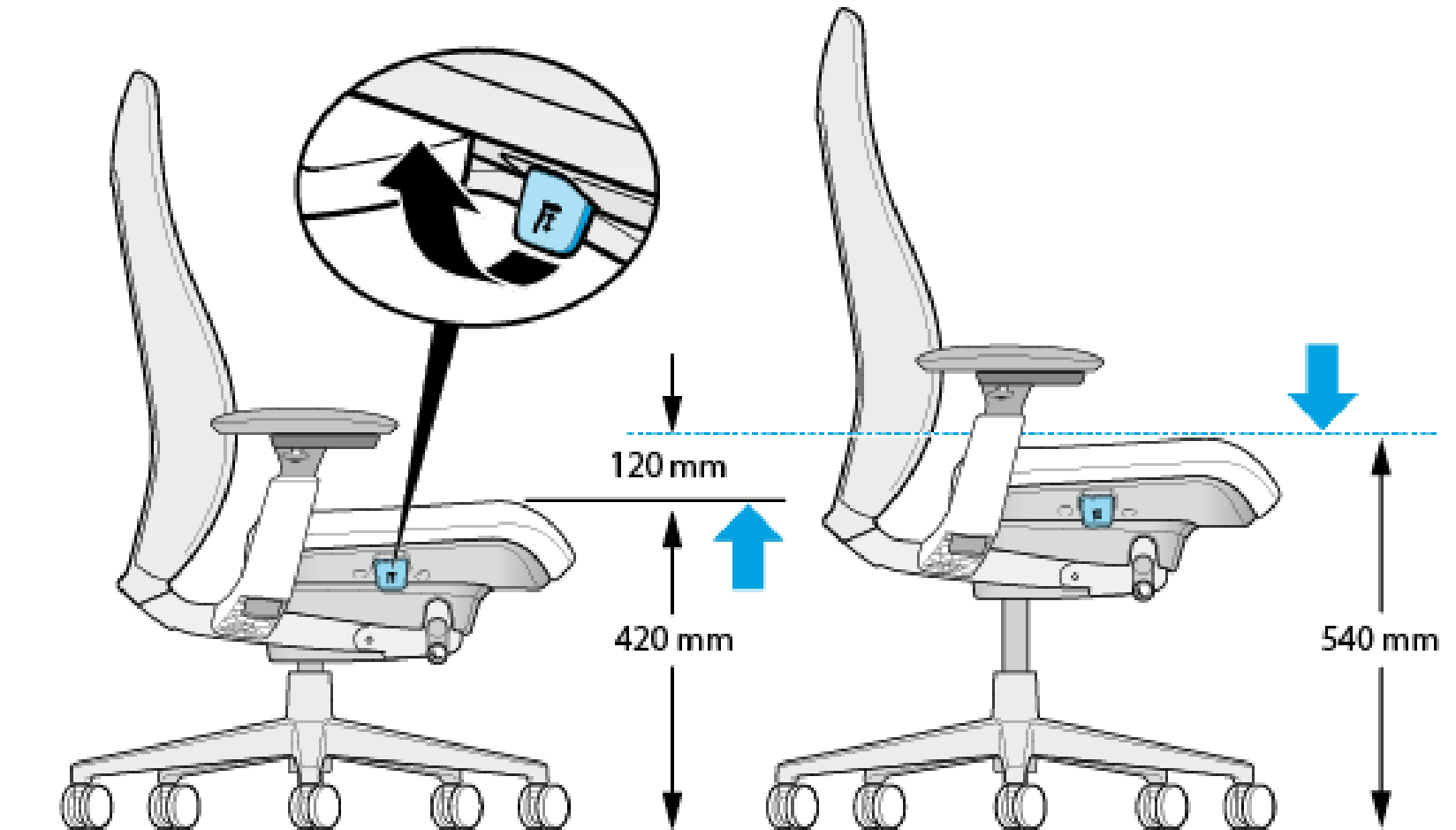
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Function Overview



Seat height adjustment

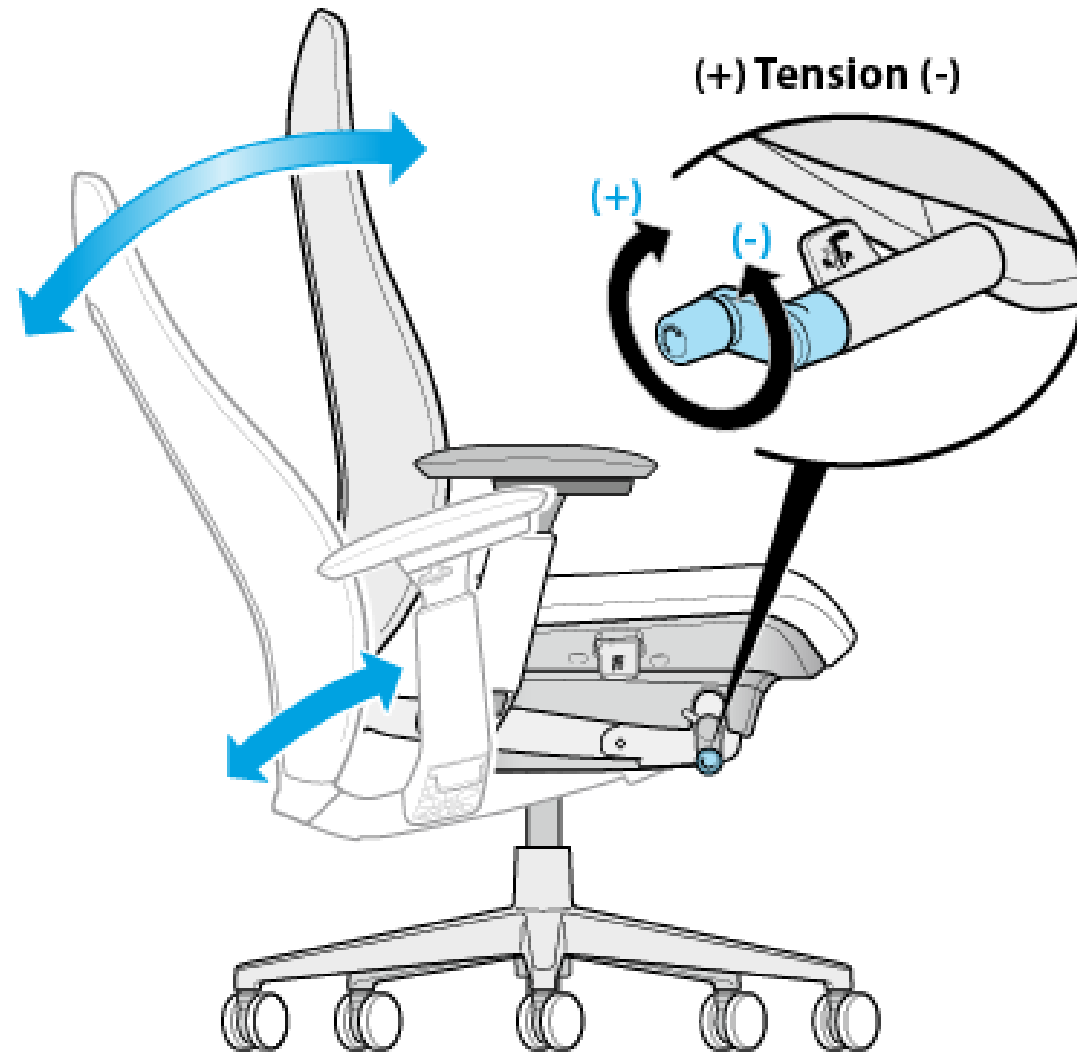
- Pneumatic seat height adjustment.
- FERN Seat height adjusts 12,0 cm from 42 cm to 54,0 cm.
- FERN A Seat height adjusts 13,0 from 40 cm to 53 cm.



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Back tension adjustment

Regulates the amount of resistance felt when leaning back in the chair and the effort required to recline the chair backwards.

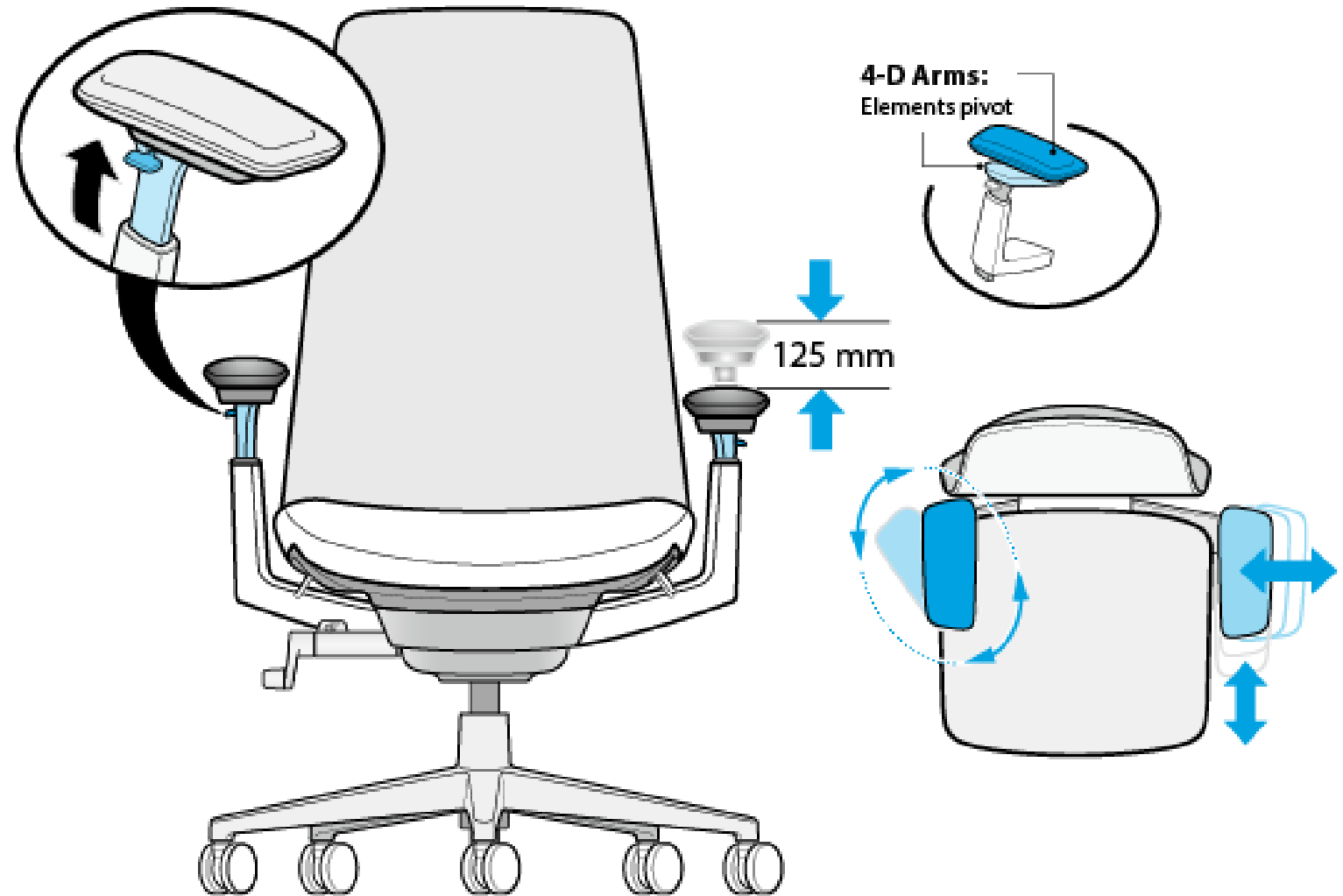


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4D Arm adjustment (optional)

Optional 4D arm adjusts in 4 ways:

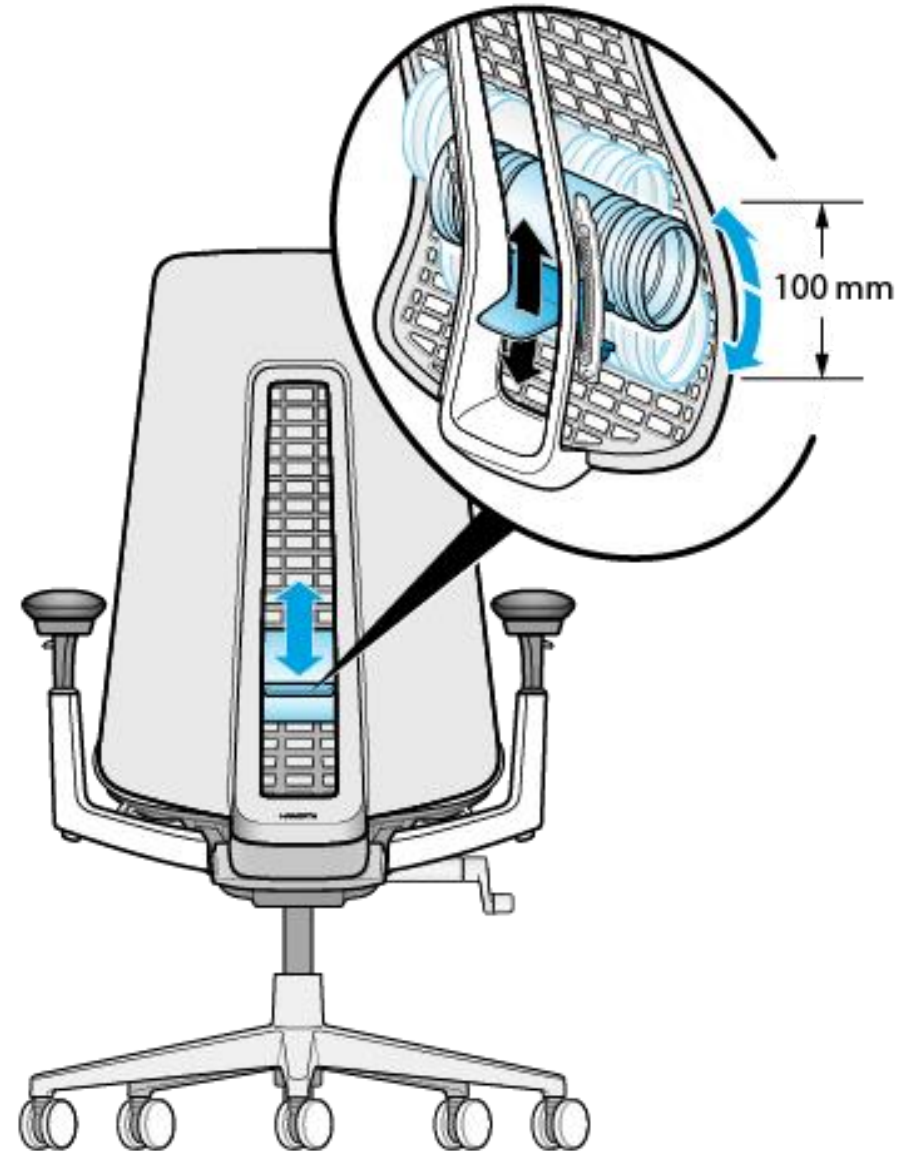
- Height adjustment 12,5 cm
- Side-to-side arm cap
- Front-to back adjustment
- Pivoting 40° in and 40° out



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Lumbar support (optional)

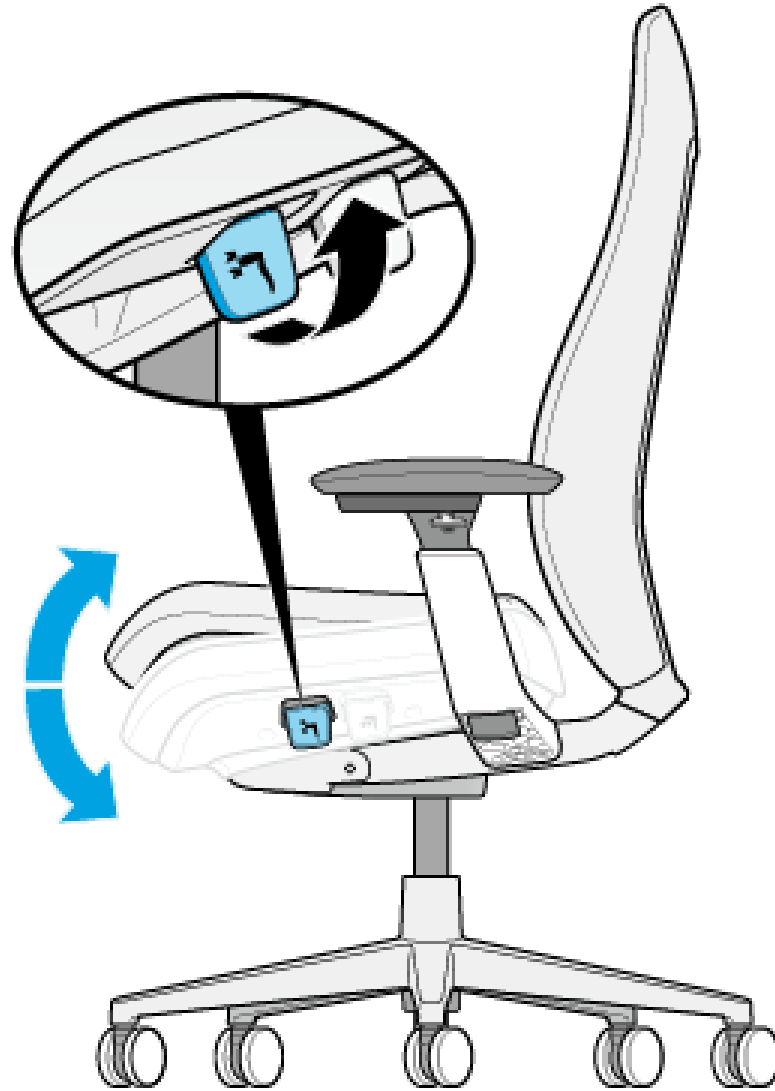
- Optional height adjustable lumbar.
- Range of 10 cm of height adjustment.



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Forward tilt (optional)

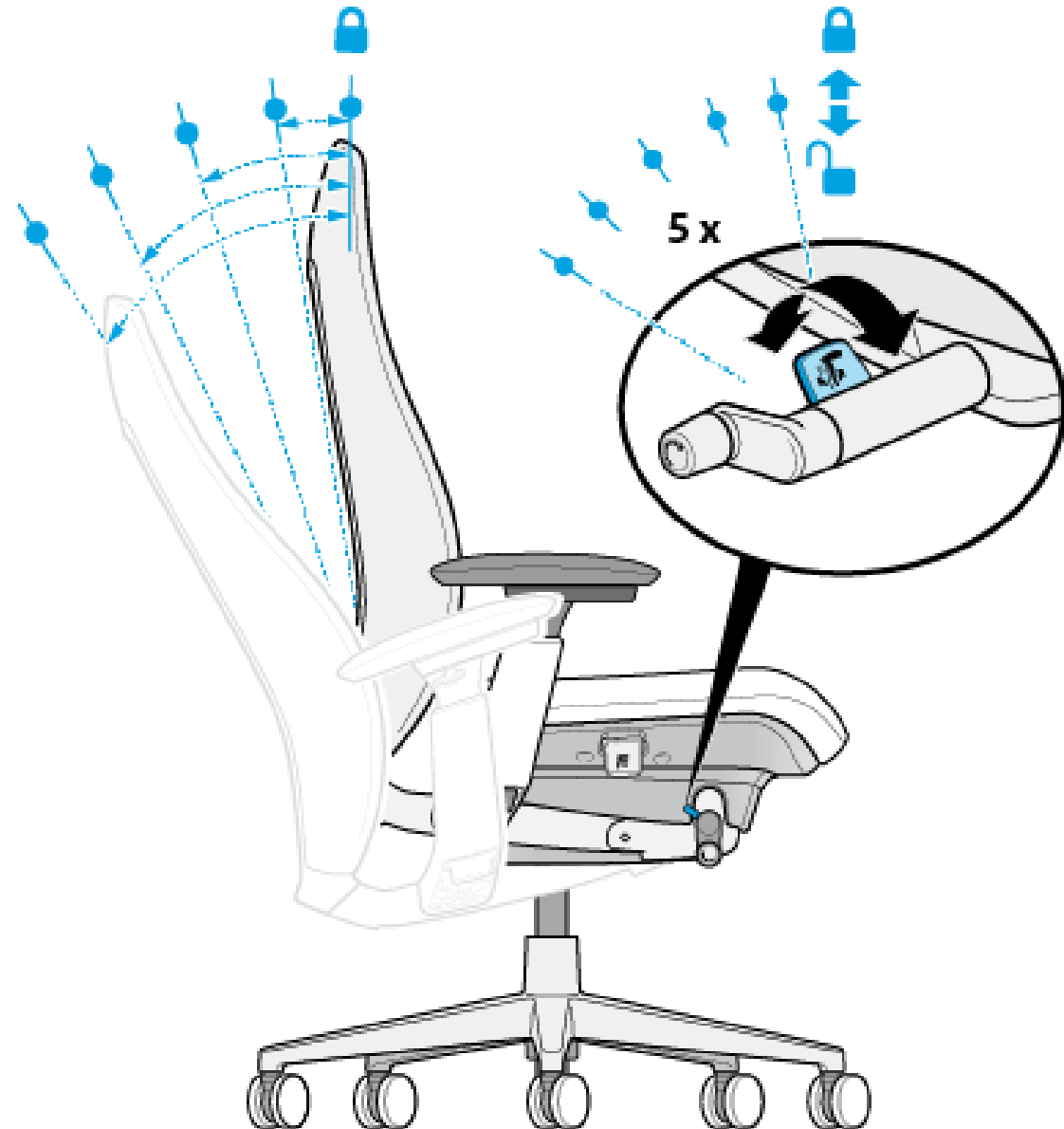
Optional forward tilt allows seat pan to move -5° downward from the initial position.



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Back Stop

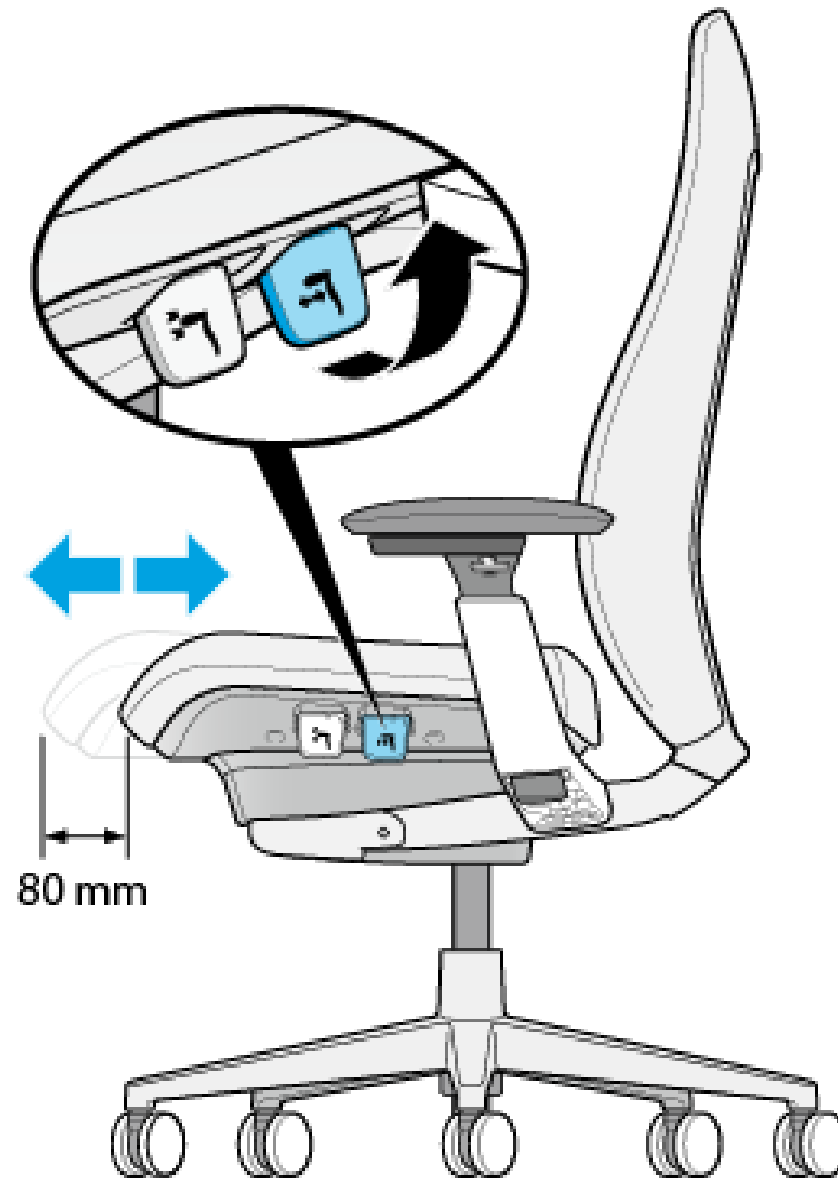
Optional Back Stop - stops in 4 positions - upright and every 6° of back angle.



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Seat depth adjustment

Seat depth has 8 cm seat depth range.



How to adjust **Fern Chair**



Do you know how to set up your workstation?

Now, perfect it with Fern

- 1 Ensure that the seating is adjustable to accommodate various postures, including upright, reclined, or forward tilt positions.
- 2 Maintain a torso-to-thigh angle of 90 degrees or greater while sitting.
- 3 Ensure that armrests, when sitting, do not obstruct the user from reaching the worksurface.
- 4 Provide sufficient clearance under the worksurface to allow for legroom without contacting the surface above.
- 5 Allow for unrestricted movement by ensuring there are no obstructions at foot level.
- 6 Ensure that users can place their feet flat on the floor or on a footrest when seated.



Colors and Materials



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Colors & Materials

Fern Mesh



Byzantia



Sunflower



Peat Moss



Sedum



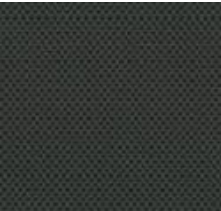
Corn Flower



Silver Leaf



Mulch



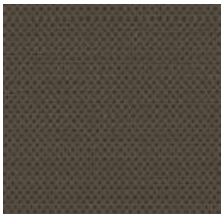
River Rock



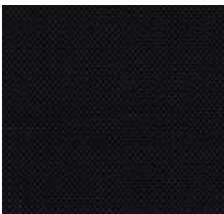
Moon Flower



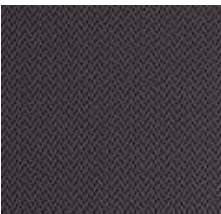
Beach



Mushroom



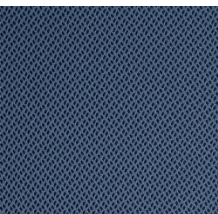
Black



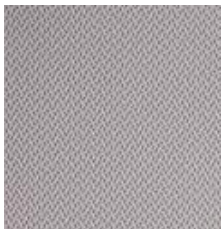
42/0025



42/0089



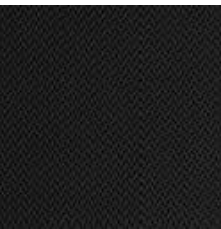
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42/0165



42/0176



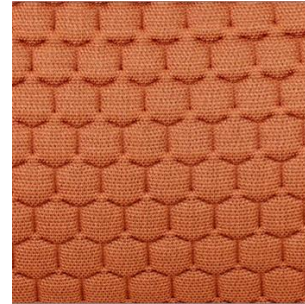
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Digital Knit

Fern Digital Knit back upholstery



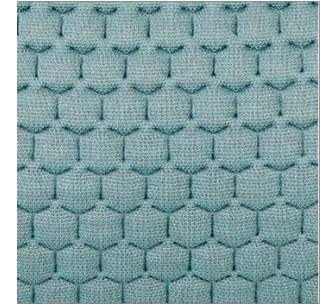
Dune Rose



Emberglow



Mariner



Waterside



Colors & Materials

Finishes

Plastic Frame



Black

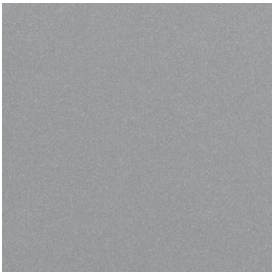


Fog



Snow

Aluminum Base



Titanium EC



Auminum
structured black



Polished Aluminum

Plastic Base



Black

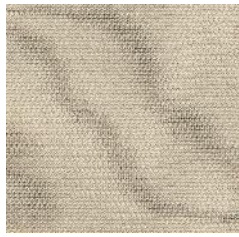


Fog

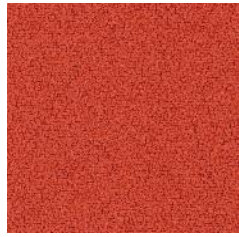
Colours & Materials – Finishes & Seat upholstery



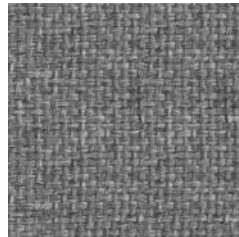
Felicity
(Coll. 34)



Convert
(Coll. 50)



Atlantic
(Coll. 23)



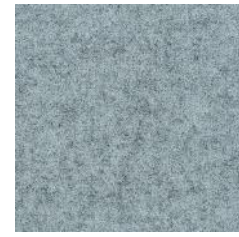
King L Kat
(Coll. 63)



Flex
(Coll. 22)



X2
(Coll. 59)



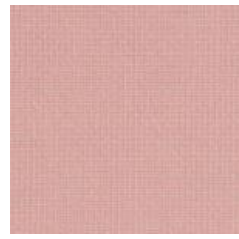
Blazer
(Coll. 61)



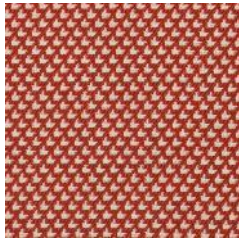
Antic Cuir
(Coll. 98)



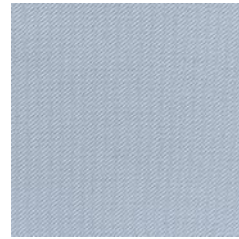
Class
(Coll. 68)



Fame
(Coll. 39)



Diagonale



Relate



Remix
(Coll. 65)



Atlas



Big Arrow



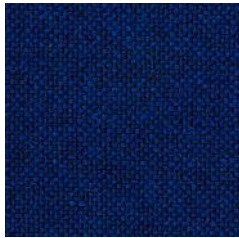
Oceanic



Steelcut Trio
(Coll. 58)



Divina Melange 3



Hallingdal 65



Xtreme
(Coll. 82)



Maya
(Coll. 66)



Skai Evida
(Coll. 51)

Applications



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Collaborative and Conference Spaces



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Assigned workplaces



HAWORTH

Focus Areas



HAWORTH

Private Office



HAWORTH

Home Office



HAWORTH

Hotel Rooms



Certificates and awards



Certificates and awards

- Certificate – FIRA: structural safety
- Certificate: GreenGuard
- Certificate: GreenGuard Gold
- Certificate: GS Safety
- Award: German Design Award
- Certificate FEMB: Level 3
- Environmental Product Declaration Verified
- LS Fire



Thank you!