

design made in germany

Wilkhahn

Neos.
180 range





Neos

Design: wiege

Model 181/71

Coherent form, inviting comfort and simple operation for healthy dynamic sitting make Neos an ergonomic task chair for a wide range of applications.

Back shell, seat mechanism and armrests are coherently designed. Due to the perfectly crafted covers, the seat and back upholstery, which is air permeable and easily exchangeable, creates clear forms and precise contours. The extremely compact, specially designed synchro-adjustment mechanism is a star performer in weight divisions from 40–120 kg.



Neos. One size fits all.

People differ and so does their physique: there are basketball giants, featherweights and heavyweights ... Ideally, what everybody wants is an office chair to provide an equal level of support and optimal seated comfort.

The concept of Neos therefore consistently follows the principle of "sitting without a driving licence", which has been a guiding principle at Wilkhahn for over 25 years with:

- the simplest and most intuitive operation of all adjustment functions, such as seat height, backrest height, armrest position and adjustment to accommodate the user's weight
- synchronous adjustment of the generous, resilient back shell ensuring conformity with individual body types
- automatic promotion of frequent changes in posture to keep muscles, metabolism and circulation in good shape.

Two paddles and a conveniently located crank handle make it child's play for the user to adjust Neos while remaining seated. All functions are integrated in a calm, pleasant and self-explanatory form for optimum seated comfort and design appeal. This goes to show that ergonomics is invariably a question of aesthetics too ...



“Sitting without a driving licence” – one size fits all:

- The deep recline synchro-adjustment mechanism has a special torsion compensator for users with a body weight of 40–120 kg.
- The ingenious “envelope” backrest is height-adjustable: take hold of it and just push it up or down. The seat depth is adjustable too: just push it in or pull it out.
- The 3D armrests can also be adjusted in height, width and depth with one simple operation.

The art of simplicity is also shown in the aesthetic excellence – and ensures that Neos merges perfectly with any design theme without dominating it: in a telecentre, a consultation workplace or a team office – with modern architecture or a converted loft atmosphere ...

Neos. The chair you've been aching for.

Office work is on the move and requires a high level of flexibility – in terms of interiors, application concepts, processes and people. The most effective solution is a task chair that is ergonomically correct for every user. One that can be operated intuitively and conveniently while the user remains seated. The calm, understated design ensures that Neos is a perfect fit in any environment too. Not only office staff, company doctors and facility managers will welcome Neos, but also design consultants and specifiers. A perfect synthesis of healthy sitting and aesthetic excellence.





Neos. Reduce to the max.

In very warm climatic zones and in areas in which lightness and transparency are main design themes – for example in customer service halls, reception areas or office spaces with high-density furniture arrangements – Neos models with a membrane backrest are an ideal solution.

The back comprises a resilient, ergonomically designed backrest frame that naturally extends the contours of the seat and the synchro-adjustment mechanism, thus creating a chair with a coherent design language. Featuring a membrane in semi-transparent, high-performance polyester, the backrest adjusts automatically to the widest variety of dimensionally differing body proportions and changing sitting positions while providing optimal support. At the same time, the high permeability of the fabric provides pleasant ventilation for the user's back: the material is therefore always optimally adjusted to the ambient temperature, thus preventing a build-up of heat or moisture.

The adjustable lumbar support, optionally available, meets all demands made on height-adjustable backrests and the user can also adjust it easily while remaining seated.



The backrest frame, through-dyed in black-grey, is also available with a high-performance material in the colours black-grey, light grey and white.





Light, loose and transparent – yet coherently and clearly designed: with a combination of comfort and aesthetics, the Neos models with a membrane backrest also set new standards for office task chairs.



Neos cantilever chair

Design: wiege

Model 183/3 with a back cushion:
distinctive, coherent and functional
down to the very last detail.

The Neos cantilever chair has all the
features that mark the excellence of
Wilkhahn chairs.

Neos cantilever chairs. Simplicity – multiplicity.

For the cantilever model too, the basic concept of Neos has been translated into function and design in a simple and ingenious manner by means of:

- the understated, coherent design language
- high-quality design down to the very last detail
- intelligent stackability
- and a high degree of spacious and pleasant seated comfort.

The cantilever chair comprises a slender, bright chromium-plated tubular steel frame that is attached at the front by means of form-following brace, also bright chromium-plated, directly below the seat. A single-section seat shell, completely smooth and coherently designed, is screw-fitted in a concealed manner into the seamless frame structure. The space between the seat shell and the tapered outer rail is not only a design feature but it also serves as a grip for easy handling and allows flexible adjustment to the user's back. In combination with the resilient frame, the result is a high degree of seated comfort.

The simple design, high-quality elegance and versatile functionality of the Neos cantilever model make it an ideal multi-purpose chair for accommodating clients at consultation workplaces, as a chair for meeting and conference spaces or as a flexible seating solution for lecture, seminar and training areas.



The stackability function of the cantilever chair is an integral feature of the design: the three dimensional curve of the frame permits up to five chairs to be stacked neatly. The completely smooth underside of the seat shell and the v-shaped, lateral extensions prevent marks on the seat and back cushions from the stacking process.



Refreshing and homely: the shell, through-dyed in white synthetic material, and the matching armrest pads mark a cantilever model for areas focusing on health and well-being and for the private sphere.



Distinctive, elegant and functional: the outer rail on the backrest serves as a grip and provides flexibility in the back section of the chair. The cushions on the versions with leather are prestigious and perfectly crafted, and include a wool-fleece overlay.



The seat shell is optionally available with exchangeable seat and back cushions or with a non-upholstered backrest. For the upholstery material, the choice is between a wide range of fabrics from the Wilkhahn collection.



Functions. Materials. Models.

Function

Swivel chairs with automatic synchro-adjustment: the seat/backrest angle adjusts automatically to the sitting position of the user. When leaning back, the backrest tension increases according to the need for additional support. A crank handle allows infinitely variable tension adjustment for the user. Backrest position lockable in four different positions by engaging lever. Encapsulated gas lift, conforming to DIN 4550, for infinitely variable adjustment of seat height of swivel chairs. Adjustment of backrest height in seven positions within a range of 60 mm; models with mesh membrane backrest have a lumbar support adjustable within a range of 60 mm instead of the height-adjustable backrest. All models feature adjustment of seat depth in eleven positions between 385–435 mm. Models with a mesh membrane backrest as for swivel chair versions. Cantilever chairs: to match swivel chairs, stackable up to 5-high, for visitors, meetings, conferences and seminars; with resilient, single-section seat shell, integral stacking buffer and outer rail/grip on the backrest.

Frame

Swivel chairs

Five-star base in glass fibre-reinforced polyamide, through-dyed in black-grey, or in die-cast aluminium, polished, high-lustre polished or bright chromium-plated. Twin wheel swivel castors with load-dependent braking, conforming to DIN EN 12529, as the standard version for carpeted floors, or with a grey polyurethane soft lining for hard floors (please specify when ordering). Anti-static castors on request (in combination with aluminium frame). Synchro-mechanism case in die-cast aluminium. Synchro-mechanism cover in black grey through-dyed polypropylene. Seat bearer in glass fibre-reinforced polyamide, through-dyed in black-grey.

Cantilever chairs

Frame in round steel tube, diameter 22 mm, thickness 3 mm, bright chromium-plated, with anti-tilt stoppers in black-grey polyamide as the standard version for carpeted floors, optionally with glides in black-grey polyamide (for soft floors) or black-grey polyurethane (for hard floors), optionally with additional felt insert (please specify when ordering). Outer rail/grip in die-cast zinc, bright chromium-plated.

Seat and back

Swivel chairs

Seat shell in black-grey or white through-dyed polypropylene. Upholstery: covered, one-piece moulded polyurethane foam with integral pelvic support, exchangeable. Depth of seat platform individually adjustable from 385–435 mm. The seat shifts in such a way that ensures that the angle of the pelvic wedge automatically adjusts to the position of the seat shell. Backrest in polyamide with back shell cover in polypropylene, through-dyed in black-grey or white. Upholstery: covered, one-piece moulded foam, exchangeable. Models 181/3 and 181/6 with backrest frame in glass fibre-reinforced polyamide, black-grey through-dyed, covered with semi-transparent, black-grey, grey or white high-performance polyester; lower section of backrest frame covering in polypropylene, black-grey through-dyed; optional lumbar support in polyamide, black-grey through-dyed with integral foam overlay.

Cantilever chairs

Single-section seat and back shell in resilient polypropylene, black-grey or white through-dyed. Seat cushion: exchangeable, with invisible screw fittings; comprising polypropylene and covered, one-piece moulded polyurethane foam. Optional, exchangeable back cushion with same features as the seat cushion. Model 183/5 with seat and back cushions; seat with wool-fleece overlay; seat and backrest with side facings; leather cover is standard. On request, with backrest covered in leather on both sides.

Armrests

Swivel chairs

3-D armrests, through-dyed in black-grey or white, glass fibre-reinforced polyamide with black-grey polyurethane pad, adjustable by 100 mm in height and 50 mm in depth, and pivotable inwards and outwards by 15°.

Cantilever chairs

Armrests comprise round sleeves in a tactile, PVC-free elastomer material in black-grey or white.

Model 183/5 with cushioned armrest pad, leather-covered with triple-sewn seam.

Standards

Neos swivel chairs conform to the Office Chair Standards DIN EN 1335, ANSI/BIFMA X 5.1 and other international office chair standards.

Available on request: version conforming to NPR 1813. Depending on selected features, they meet the requirements of categories A or B of the Office Chair Standard DIN EN 1335. Neos swivel chairs conform to the requirements of "Ergonomics Approved".

All materials and components are fit-for-purpose and coded in accordance with DIN EN ISO 11469 (code in accordance with DIN EN ISO 1043–1) to allow material-streamed recycling in the case of repair or replacement.

Subject to technical change without notice.



Safety Test Certificate (LGA Nuremberg)

Neos swivel chairs conform to the requirements of "Ergonomics Approved".



Neos visitor chairs conform to the standards of DIN EN 13761 and DIN EN 1728.

- Standard feature
- Optional feature

Five star-base / Frame

- Black polyamide
- Aluminium, polished
- Aluminium, high-lustre polished
- Aluminium, bright chromium-plated

Seat and back

- Height-adjustable backrest
- Height-adjustable lumbar support
- Adjustable seat depth
- Backrest not upholstered
- Backrest upholstered
- Semi-transparent backrest

Upholstery material

- Fabric
- Leather

Details

- 3-D armrests
- Armrests, plastic covered
- Armrest pads, leather-covered
- Shell, leather-covered
- Stackable

Standards and certifications

UN Global Compact, ISO 9001/14001, EMAS, GREENGUARD™, LEED, GECA

Sustainability



Processes



Product: Neos



Current environmental information is available on the Wilkhahn website.



All dimensions in mm



181/41

181/71

181/3

181/6

183/3

183/5

•	•	•	•		
•	•	•	•		
•	•	•	•		
•	•	•	•	•	•
•	•				
•	•	○	○		
•	•	•	•		
•	•			•	
•	•	•	•	○	•
•	•	•	•	•	
•	•	•	•	•	•
•	•				
•	•			•	
•	•				•
•	•			•	○
•	•			•	

