

Neos. 180 range. Technical details.



Function

Task 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 task chairs. Adjustment of backrest height in six positions within a range of 60 mm (2 $\frac{3}{8}$ "); models with mesh membrane backrest have lumbar support adjustable within a range of 60 mm (2 $\frac{3}{8}$ ") instead of the height-adjustable backrest. All models feature adjustment of seat depth in eleven positions between 385 – 435 mm (15 $\frac{1}{8}$ " – 17 $\frac{1}{8}$ "). Models with a mesh membrane backrest as for task chair versions.

Cantilever chairs: chair, stackable up to 5-high, for visitors, meetings, conferences and seminars to match task chairs; with resilient, single-section seat shell, integral stacking buffer and outer rail / grip on the backrest. Model 183 / 3 with leather covering (74) and 183 / 5 not stackable.

Frame

Task 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 chrome 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, Ø 22 mm ($\frac{7}{8}$ "), thickness 3 mm ($\frac{1}{8}$ "), bright chrome 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 chrome plated.

Seat

Task chairs

Seat shell in polypropylene, through-dyed in black-grey or white. Upholstery: covered, one-piece moulded polyurethane foam with integral pelvic support, exchangeable. Adjustment of seat depth: on request, depth of seat platform individually adjustable from 385 – 435 mm (15 $\frac{1}{8}$ " – 17 $\frac{1}{8}$ "). 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.

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Back

Task chairs

Backrest shell in polyamide with back shell cover in polypropylene, through-dyed in black-grey or white. Upholstery: covered, one-piece moulded foam, exchangeable. Model 181/ 6 with backrest frame in glass fibre-reinforced polyamide, in black-grey, covered with semi-transparent, black-grey, light-grey or white high-performance polyester; lower section of backrest frame covering in polypropylene, in black-grey; optional lumbar support in polyamide, black-grey through-dyed with integral foam overlay.

Cantilever chairs

Seat and back

Single-section seat and back shell in resilient polypropylene, through-dyed in black-grey or white. Seat cushion: exchangeable, with concealed screw fittings; comprising covered, one-piece moulded polyurethane foam. Optional, exchangeable back cushion with same features as the seat cushion. Model 183 / 3 with leather covering not stackable. Model 183 / 5 (not stackable) with leather-covered seat and back cushions with wool-fleece overlay and side facings, optionally with seat and back shell covered with leather on the back sections.

Armrests

Task chairs

3-D armrests in glass fibre-reinforced polyamide, through-dyed in black-grey or white, with black-grey polyurethane pad, adjustable by 100 mm (3 7/8") in height and 50 mm (2") in depth; they can be pivoted inwards and outwards by 15°.

Cantilever chairs

Armrests comprise round sleeves in a black-grey or white tactile, PVC-free elastomer material. Model 183 / 5, or optionally with solid-wood armrest pads, oak, maple or walnut natural finish.

Standards

Neos task chairs conform to the Office Chair Standards DIN EN 16139 and DIN EN 13761, ANSI / BIF-MA X5.1 (except for model 181 / 6) and other international office chair standards. Version conforming to NPR 1813 on request. Depending on selected features, they meet the requirements of categories A or B of the Office Chair Standard DIN EN 1335.



Neos task chairs comply with the "Ergonomics Approved" requirements.



The cantilever and visitor chairs comply with DIN EN 16139-L1 and DIN EN 13761.



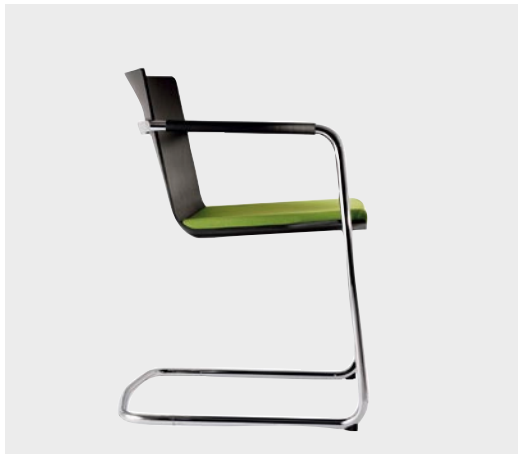
Neos. 180 range. Product types.



Model 181/71 task chair, medium-height back, seat and backrest upholstery, on castors



Model 181/6 task chair, medium-height back, seat cushion, on castors, with armrests



Model 183/3 cantilever chair, medium-height back, seat cushion, back not upholstered



Model 183/5 cantilever chair, medium-height back, seat and backrest upholstery

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Neos. 180 range. Upholstered types.



Seat and back cushion



Seat cushion and transparent back in black, light grey or white



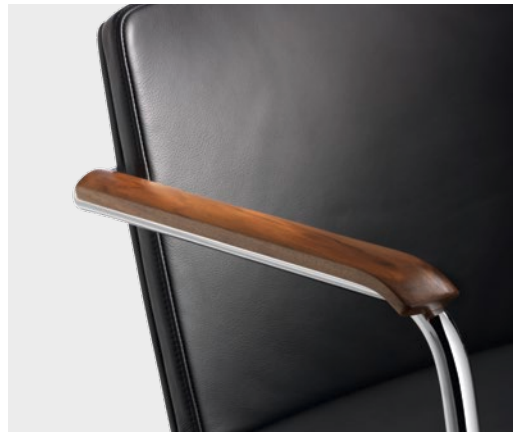
Seat cushion, back not upholstered



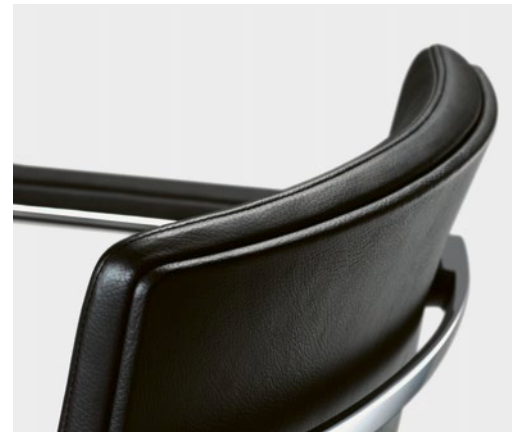
Seat and back upholstered



Seat and backrest upholstery, leather, leather-covered armrest pads



Seat and backrest upholstery, leather, solid-wood armrest pads



Seat and backrest upholstery leather, seat and backrest shell fully covered on the back with leather, leather-covered armrest pads

You can find our current fabric collection in our [media center](#)

Neos. 180 range. Frame versions.



Plastic star base



Bright, chrome-plated star base

Other types of frame not pictured:
Polished aluminium star base
High-lustre polished aluminium star base



Bright chrome-plated frame



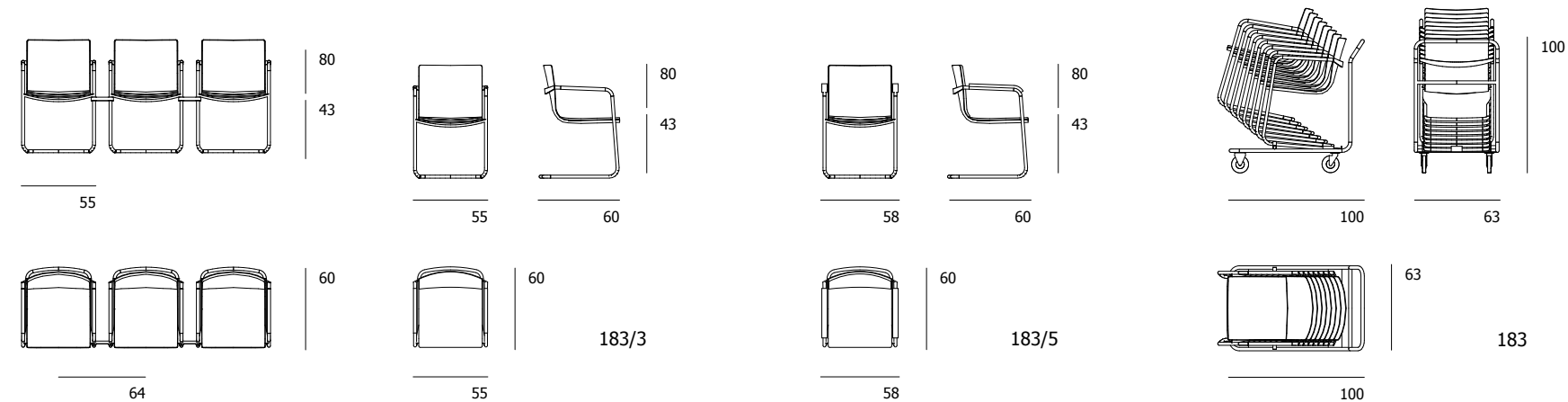
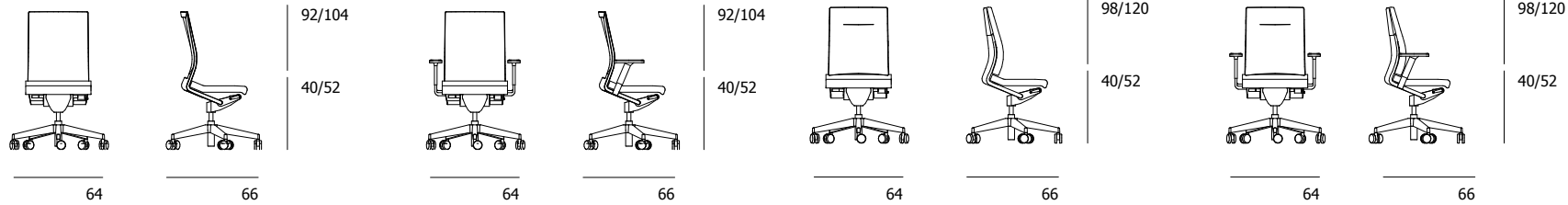
Cantilever chair, white through-dyed shell and armrests



Task chair, shell and armrests white through-dyed

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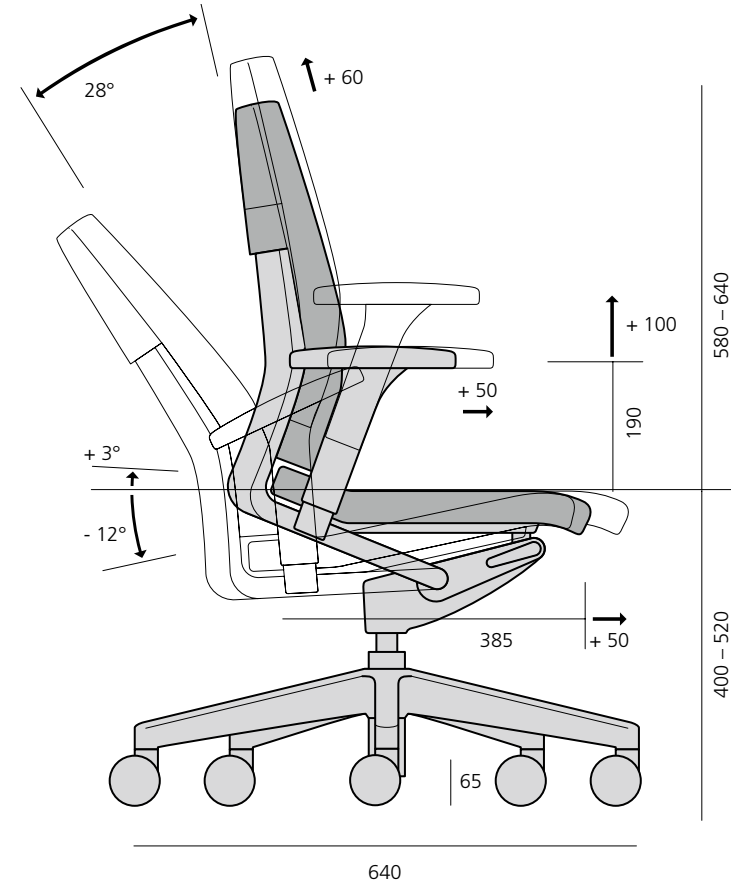
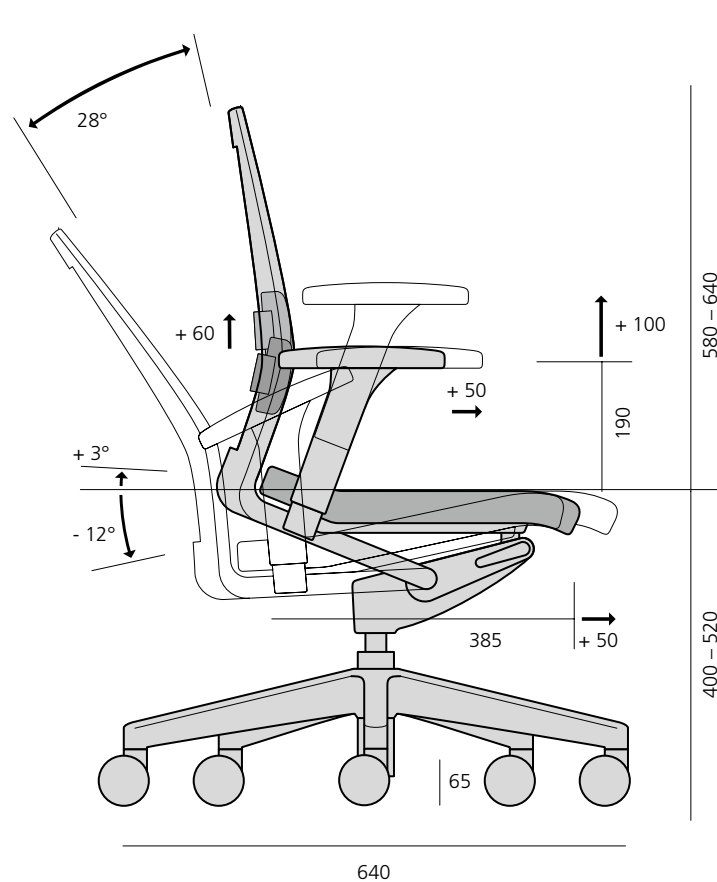
Neos. 180 range. Models and dimensions.



All dimensions in cm.
Subject to change.

Wilkhahn

By shifting body weight, the tilt of the seat and backrest adjusts to any position the user is sitting in. When leaning back, the backrest tension increases according to the natural need for additional support. The pressure spring mechanism with swing plates and sliding seat bearer provide a back-to-seat angle range from 95° – 123° . The backrest is lockable in four positions.



All dimensions are in mm.
Subject to change.

Neos. 180 range. Awards / standards / certificates.

Awards



Product certificates / product standards



DIN EN 16139 DIN EN 13761 ANSI / BIFMA X 5.1 DIN EN 1335 DIN EN 16139-L1 DIN EN 13761

Not all certificates / standards apply to all designs.
You can find our text modules for tenders in our [media center](#)

Company's certificates



Environment and product

Aesthetics and design

Sustainable products must be practical. The timeless aesthetics of the Neos range provide added value, making it an option that is set to endure. Office work today requires maximum flexibility in terms of spaces, usage concepts, processes and people. What could be better than an office chair that offers perfect ergonomics for everyone? And which due to its calm, understated design is ideal for any environment? Which is why not only employees, company doctors and facility managers like Neos, but designers too. It's a satisfying result if healthy sitting can be combined with aesthetic appeal.

Durability and guarantee

The Neos office chair range was launched in 2004. Since then, about 140,000 Neos chairs have been sold throughout the world. Neos sets standards for product design that are sustainable in the best-possible way. The durability of the high-quality materials used, the innovative seating concept and the classic understated design guarantee that it will be used for many decades to come. We give a two-year manufacturers' guarantee, allowing customers to plan reliably. It's something we feel responsible for, regardless of our products' long useful lives. We consider guarantees way beyond these periods as selling the future short. Our services to extend the ecological life of the chair include maintenance as well as reconditioning of older chairs. Wilkhahn guarantees it will carry out repairs on discontinued furniture for at least two years after production has ceased. A long-term market presence, a re-conditioning service and the superb durability of Neos chairs are key aspects of Wilkhahn's product philosophy.

Air quality and emissions of pollutants

Neos office chairs do not emit any concentrations of gas that are harmful to the environment or to health. Products from the Neos range are certified in the US in accordance with GREENGUARD Indoor Air Quality™. GREENGUARD™ is a certification programme for products low in emissions.

You can find our environmental product information in our [media center](#)

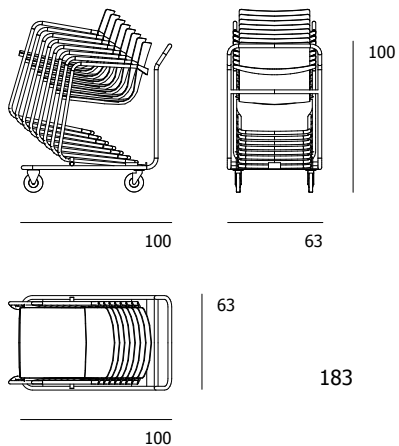
Neos. 180 range. Accessories and other items.



Model 181/6 task chair, medium-height back, seat cushion, on castors, without armrests

Accessories and other items not pictured:

- Task chair on glides
- Cantilever chair with anti-tilt stopper as a standard for soft flooring
- Cantilever chair with soft glides for hard flooring
- Cantilever chair with additional felt glides for wooden flooring



Four-wheeled trolley for eight stackable cantilever chairs. Dimensions in cm.