Wilkhahn

Neos.

180 range

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Neos
Design: wiege

Model 181/71
Boasting coherent form, inviting comfort and extremely simple operation to promote healthy sitting, Neos is an ergonomic task chair for a wide range of applications.

Neos. One size fits all.

People differ and so does their physique: there are basket ball 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
- with synchronous adjustment of the generous, resilient back shell ensuring conformity with individual body types
- and with 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 optimal seated comfort and design appeal. This goes to show that ergonomics is invariably a question of aesthetics too …

Although the backrest, the seat mechanism and the armrests are individually adjustable, they form a harmonious whole. The coherent overall impression is underlined by detailed design and black through-dyed materials.

The seat and back upholstery, which is air-permeable and easily exchangeable, creates clear forms and precise contours. The extremely compact, specially positioned synchro-adjustment mechanism is a star performer in weight divisions from 40 – 120 kg.

Neos. The chair you've been aching for.

Various forms of work, desksharing, project activity, hotdesking … Office work is on the move and requires a high level of flexibility – in terms of interiors, application concepts, processes and people.

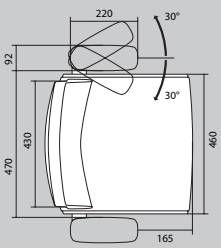
The most effective solution is a task chair that is ergonomically correct for every user. One that can be operated intuitively and conveniently while the user remains seated. To create a work environment that is healthy, motivating and above all improves performance …

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

The appearance of the Neos chair makes the user feel comfortable even before sitting, and then at ease in no time so that work can commence. The calm, understated design ensures that Neos is a perfect fit in any environment too: individual or grouped, in a back office, a consultation space or a project office. This work chair combines well with a wide range of interior and design concepts.

Not only office staff, company doctors and facility managers will welcome Neos, but also design consultants and specifiers. And Wilkhahn's reputation for excellence ensures that this will be valid for an extended period of time.

Neos. Ergonomics.



Dimensions in mm

Many occupational conditions are connected with a decline in daily exercise; particularly as an increasing amount of work is carried out in a sedentary position, often with static posture. The ergonomic concept behind Neos therefore focuses on health-promoting "dynamic sitting".

• One size fits all
The combination of a spacious seat platform and backrest can accommodate users of differing build and allows various sitting options, ranging from sitting upright, unconventionally or in a casual posture.

• Support and flexibility
The seat and the backrest are fitted with a pelvic and lumbar support and automatically conform to the individual body weight of the user in terms of material, form and upholstery. These features are combined with simple, logical adjustment of seat height, backrest height, seat depth (optional feature) and armrests.

• Promoting movement
The deep recline synchro-adjustment mechanism (to cater for body weight from 40 – 120 kg) allows a 1:1.85 back-to-seat tilt ratio. This body-synchronous sequence encourages beneficial changes in posture completely intuitively.

Functions. Materials. Models.

Infinitely variable swivel chair, allowing intuitive operation, with synchro-adjustment mechanism for maximum ergonomic benefit. When the user leans back, the backrest tension increases according to the need for additional support and the seat platform lowers at the front synchronously with the sequence of movement. Conference chairs and visitor's chairs are based on the same construction principle, but have a non-adjustable seat height and seat depth.

Frame
Five-star base in glass fibre-reinforced polyamide, through-dyed in black-grey, optionally in die-cast aluminium, polished or bright chromium-plated. Twin wheel swivel castors in glass fibre-reinforced polyamide, through-dyed in black-grey, with load-dependent braking (conforming to DIN EN 12529). With additional grey soft lining in polyurethane for hard floors (please specify when ordering). Visitor's chairs feature glides in black-grey polyamide (for soft floors) or in polyurethane (for hard floors).

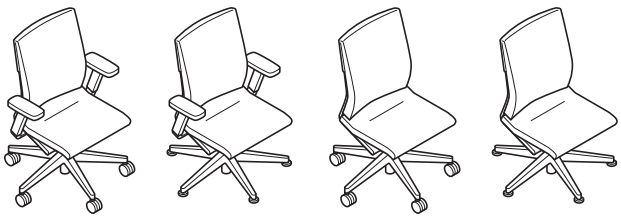
Automatic synchro-adjustment
Pressure spring mechanism with swing plates and sliding seat bearer provide a back-to-seat angle range from 90° – 117°. When the user leans back, the seat platform shifts from a 2° forward tilt in the forward seat position and the backrest tilt lowers in the maximum back position by up to 14°. A special pressure spring with a linear characteristic provides an adjustment range to cater for 40 – 120 kg users. An integrated, conveniently located crank handle allows infinitely variable adjustment. With exact adjustment to individual load characteristics, the body is supported in complete balance in every sitting posture. The backrest tilt may also be locked in four different positions by flipping the paddle on the left underside of the seat platform. This is fitted with a safety device to prevent accidental release of the locking mechanism (unlocking only possible in combination with pressure applied to the backrest).
The synchro-mechanism case is in die-cast aluminium with a polypropylene cover through-dyed in black-grey; the swing plates are in steel, the seat bearer is in fibre reinforced polyamide, through-dyed in black-grey.

Seat
Resilient, contoured seat shell, easily exchangeable, in black-grey through-dyed polypropylene with pelvic support and seat in covered, air-permeable one-piece moulded polyurethane foam. The seat has a waterfall front to relieve pressure on thighs. To adjust seat depth (optional feature), lift the seat platform at the front and pull it out to select required depth in eleven positions ranging from 375 to 425 mm. This automatically lowers the pelvic support to maintain the proper support angle in relation to the backrest. This synchronous movement automatically increases the seat depth by a maximum of 55 mm. The infinitely variable seat height is adjusted by squeezing the paddle on the right underside of the seat platform). The gas lift (conforming to DIN 4550) provides additional suppression properties.

Backrest
Double-shell polyamide backrest with integral swing arms in polyamide with tactile outer shell in black-grey through-dyed, polypropylene, with optimum concavity in the lumbar region. The material cross-section is tapered towards the top to allow support in the pelvic and lumbar region while increasing resilience in the upper section. This permits important torsional movements in the shoulder region. The inner shell comprises covered, air-permeable one-piece moulded polyurethane foam and may be adjusted 60 mm in height in seven positions to ensure optimal support in the lumbar region to conform to the widest variety of dimensionally differing body proportions. The user can adjust the backrest while remaining seated by simply raising the cushion upwards. When the uppermost adjustment position is exceeded, the backrest may be returned back to the lowest position.

Armrests
Intuitively adjustable 3D armrests in black-grey through-dyed, glass fibre-reinforced polyamide with resilient yet tactile armrest pad in polyurethane. Height adjustable by up to 100 mm in eleven positions controlled by an activator button located on the inside of the armrest. By applying gentle pressure, the armrest pads are adjustable in depth by up to 50 mm in six positions and can be pivoted 30° inwards or outwards in two positions to adjust to individual body proportions.

Standards
The Neos swivel chair has been developed to conform to Office Chair Standard DIN EN 1335, the American standard ANSI/BIFMA X 5.1 and other international standards. It meets the requirements of category A of the Office Chair Standard DIN EN 1335. All materials and components are safe to use and coded in accordance with DIN EN ISO 11469 (code according to DIN EN ISO 1043-1), and, in the case of repair or replacement, allow recycling of individual parts that is appropriate for the material involved.



	181/71	180/71	181/41	180/41
Five-star base				
Black polyamide	●	●	●	●
Polished aluminium	●	●	●	●
Aluminium, bright chromium-plated	●	●	●	●
Seat and backrest				
Height adjustable backrest	●	●	●	●
Optional adjustment of seat depth	○		○	
3D armrests	●	●		
Fabric upholstery	●	●	●	●

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