

IN.





IN.

With its patented Trimension® kinematics, the IN office chair is considered the most dynamic and comfortable office chair when it comes to stimulating, relaxed dynamic sitting. The swivel arms move independently of one another. They interact perfectly with the very elastic seat-backrest element, crafted from high-performance polyamide and the ReForm cover made of fully recycled polyester. The body and chair merge to become a unit that's flexible in all directions – and a forward tilt can be activated too.

The counter pressure is adjustable for people weighing from 45 to 140 kilos. And, of course, all the practical adjustment options apply to the armrests, lumbar support and seat depth too.

Task chair 184/7.

In addition to impeccable craftsmanship, its first-class finishes and materials to the highest of standards, make IN a chair built to last.



Task chair 184/7 with ON task chair 174/7 and Rider sit-to-stand stool 205/1.

Interaction between people and the chair is completely intuitive. Therefore, incorporating movement becomes one of the chair's most frequently used and versatile options.



Task chair 184/7 with Timetable Lift 615/00 and Power server 447/00 with 447/11 writing tablet and Power base 447/09.
IN marries crisp lines with contemporary materials and integrates seamlessly with different environments.



Task chair 184/7 with Metrik cantilever chair 186/3.

The dynamic, athletic design suggests a flexible and lightweight chair, without competing with more traditional or understated models like Metrik. The outcome is a harmonious, professional look. This makes IN ideal for environments, such as offices or meeting spaces, requiring diverse seating solutions.



IN. Trimension®.



At the heart of IN lies Trimension®, integrated synchronously supporting 3D kinematics which allows the right-hand and left-hand half of the chair to tilt in any direction. The technology encourages the natural range of motion the pelvis is capable of.

Wilkhahn has, so to speak, taught sitting to walk. The chair features, as yet unrivaled, dynamic motion that mirrors the natural functions of human joints. Two push joints at the axis of the knee and two socket joints at hip height are connected via the swivel arms as if to thighs.

Model 184/7

IN. ReForm.



IN's backrest cover features form-fit knit technology from the modern sports footwear industry. Alongside its comfort and quality, the fully recycled polyester cover and its waste-free manufacture score highly on environmental friendliness.

Ten colours with two different shades of yarn in each case tap into brand-new design options: Depending on how the light falls, the color changes and underscores the chair's dynamic nature. The different comfort zones on the seat and backrest cover also deliver support and a design so characteristic of the IN.

A wide range of upholstery options and a large selection of colors and fabrics allow personalization of the chair.



Seat with a ReForm cover



Seat with a Racer cover



Seat with other Wilkhahn covers



Seat with other Wilkhahn covers, with optional seat-depth extension



Backrest with single-ply ReForm



Backrest with double-ply ReForm



Backrest with single-ply ReForm



Backrest with double-ply ReForm, with height-adjustable lumbar support

Flexible adjustment options such as the forward seat tilt, seat depth, armrest and headrest positions, as well as backrest tension adapt superbly to the user.



Trimension® with forward seat tilt



Swivel arms that move independently of one another



Height- and depth-adjustable headrest



Electrically conductive casters



Seat-depth extension



4D armrest, armrest pads made of PUR

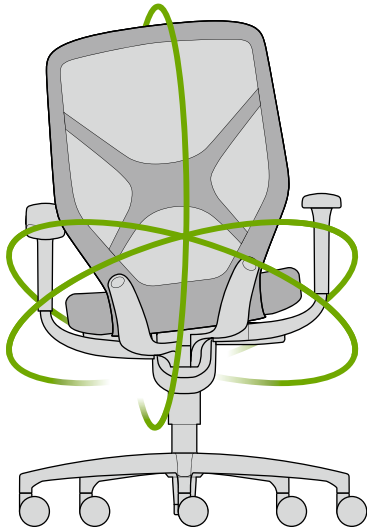


Patented Trimension technology



Casters optionally in white

IN. Free-to-move, powered by Trimension®.

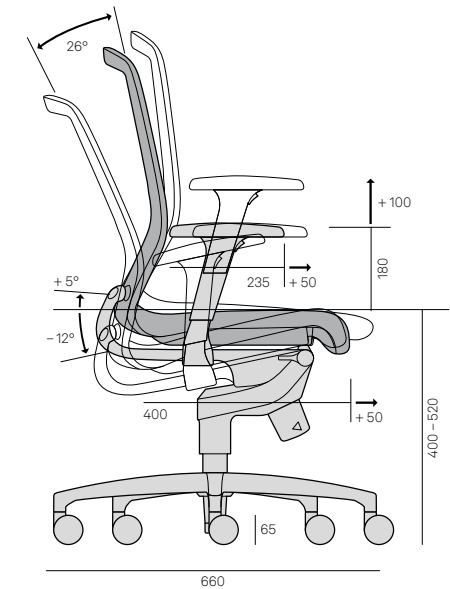


MORE ACTIVE, MORE DYNAMIC, HEALTHIER.

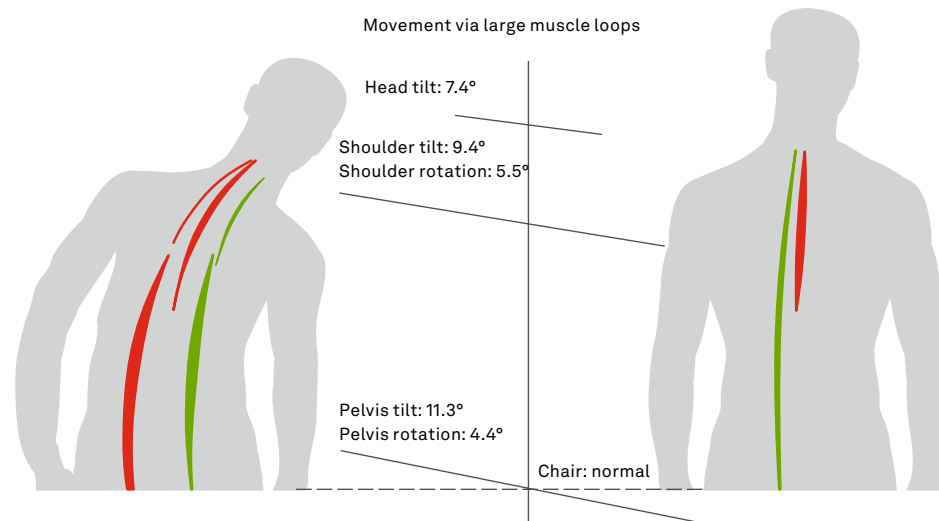
All health experts agree that our whole body needs movement to function properly. But sitting still for long periods of time will harm our bodies in the long term. Primarily, it's the three-dimensional movement of the hips that has the biggest effect on a healthy metabolism. For this reason, Wilkhahn joined forces with the German Sport University Cologne to develop free-to-move kinematics, which prompts people to move their bodies in all directions while sitting down.

Several scientific case studies corroborated the healthy, performance-enhancing effects of the free-to-move ON, IN and AT office chairs.

These chairs encourage users to move intuitively, more frequently and in different ways. Therefore, the chair boost their feeling of wellbeing, powers of concentration and the metabolism of the muscles in the lumbar region (which is very often plagued by backache).



IN. Free-to-move, powered by Trimension®. Case studies by the Centre for Health Care Ethics in Germany.



A new approach to ergonomics in the office

Lab study:

The lab study examined how the concept correlated with our bodies, the biomechanical impact and the subjective feeling of comfort that Trimension® provides in the ON® office chair.

Results:

- Pressure is distributed evenly while people are sitting down and perceived to be very comfortable.
- Some 90% of the test persons would like this sort of sitting concept in their workplace. By motivating people to bend,

stretch, lean sideways and rotate their pelvis, Trimension® stimulates the body to engage in a range of natural movements where the head, shoulder and pelvis form a functioning unit when moving with the chair.

- In addition to the large muscle loops, the physiological rotation of the torso activates the muscles deep in the back which are key to stabilizing the spine.

Three-dimensional dynamic sitting for better performance in offices

Comparative field study:

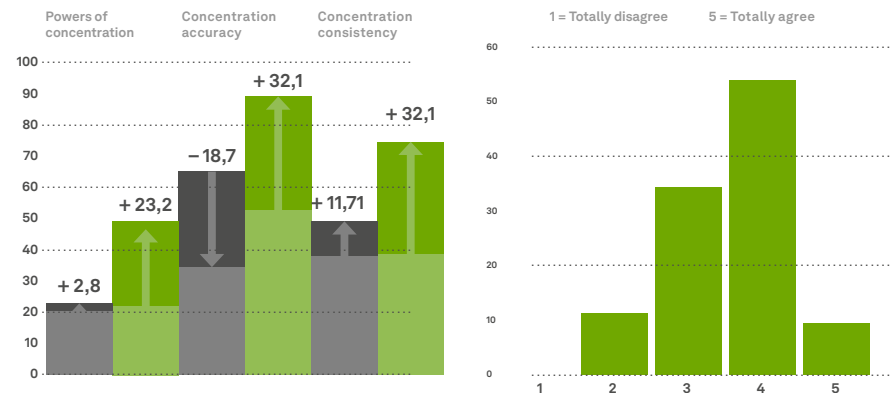
The test examined whether, alongside well-being, sitting on the free-to-move chair also boosts productivity. The study was carried out with 80 test persons in an insurance company's office complex over a period of 12 weeks. Recognized, standard tests and questionnaires were used to identify powers of concentration.

Results:

- Compared with the control group, the metrics used to gauge the free-to-move group's powers of concentration had im-

proved in every respect at the end of the three months.

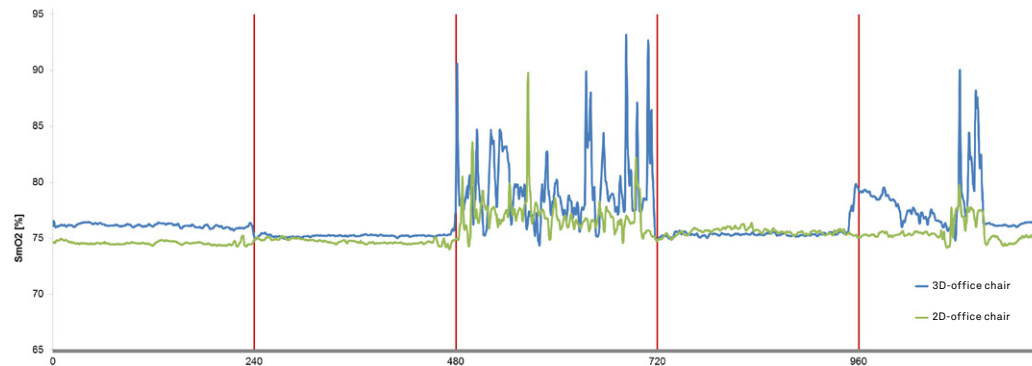
- After a short space of time, the free-to-move group got used to and were confident about applying the new movement options.
- Thanks to the new sitting approach, the free-to-move group's wellbeing didn't just improve in relative but also in absolute terms.



The control group (gray) with conventional office chairs and trial group (green) with 3D dynamic ON® chairs over a period of three months

My physical fitness has improved thanks to ON® over the past 11 months.

IN. Free-to-move, powered by Trimension®. Case studies by the Centre for Health Care Ethics in Germany.



The metabolism of muscles in the lumbar region is much more active when people sit on the 3D dynamic office chair.

More movement in sedentary workspaces

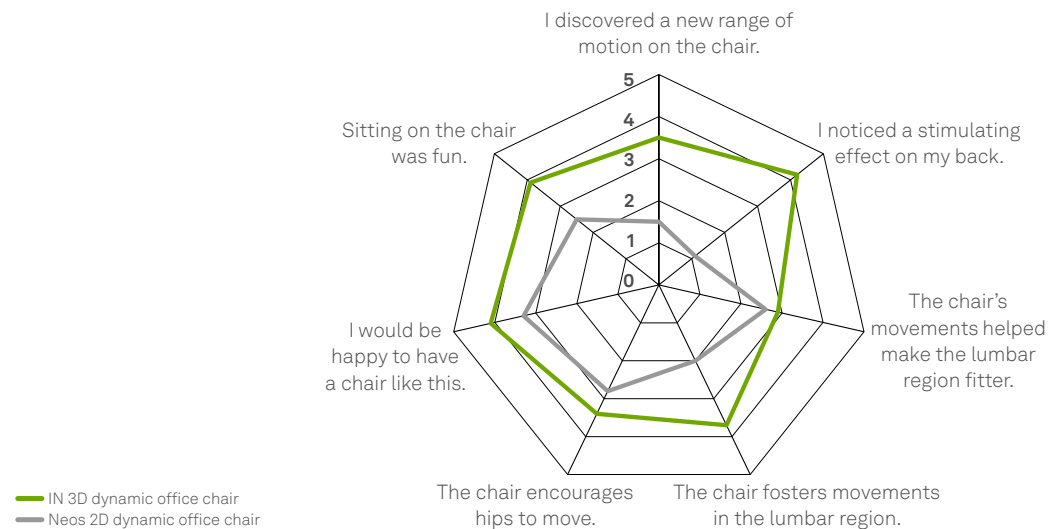
A study on the impact of Trimension® 3D kinematics on dorsal muscles, the range of motion and physiological stimulation

Based on standardized office processes (static and dynamic), new measurement methods were applied to examine metabolic activity in the particularly important muscles in the lumbar region.

The results measured while people were sitting on the IN free-to-move office chair were compared with those of people sitting on the very good Neos 2D dynamic office chair.

Results:

- The test persons used the whole three-dimensional range of motion that Trimension® offers.
- When people lean sideways, there are significant differences between a 2D synchro-adjustment mechanism and Trimension®.
- Importantly, people sitting on an IN free-to-move office chair alternate between tensing and relaxing their muscles to a greater extent than on the chair used as a comparison.
- The test persons rated the free-to-move office chair better on all criteria.



Comparison of results from the questionnaire about sitting on the 3D and 2D dynamic office chair

IN. Models.



184/7
Task chair,
medium-height backrest



184/72
Task chair, medium-height backrest,
elevated sitting position (ESP)



184/8
24-hour chair,
medium-height backrest



184/1
Counter chair, medium-height backrest

IN. Designs.



Seat and backrest frame



black

white

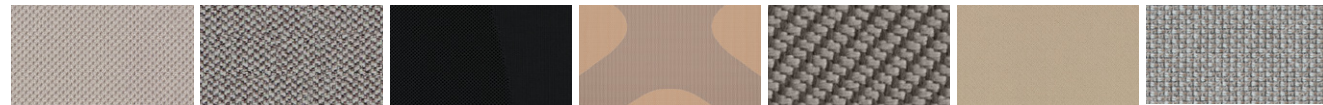
Upholstery materials backrest



41 Formstrick*

42 ReForm

Upholstery materials seat



37 Atlantic

38 Era**

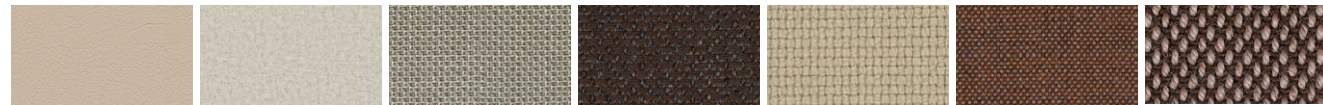
41 Formstrick*

42 ReForm

51 Oceanic**

54 Step/Step Melange

56 Cyber**



58 Evida**

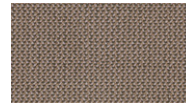
60 Blazer**

64 Morph**

65 Re-wool**

66 Lano

68 Remix

91 Steelcut Trio /
Quartet

92 Credo

* 41 Formstrick only available in 41/99 black.

** Upholstery materials not available for 184/8 24-hour chair.

Frame and swivel arm finishes



High-luster polish

Polished

Black
with a textured
matte finish

Matte silver satin

White
with a textured
matte finish

Black plastic

The digital sample colors differ from the originals. You can find our current fabric collection in our media center.

IN. Reference projects. Model 184/7, Object: Sparkasse LeerWittmund, Germany, Photos: Werner Huthmacher



IN. Reference projects. Model 184/7, Object: Sennheiser, Zürich, Switzerland, Photos: Sennheiser/Gehri AG



IN. Reference projects. Model 184/7, Object: Brands of Scandinavia, Copenhagen, Denmark, Photos: Dennis Thanh



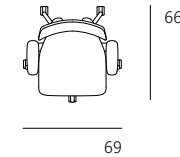
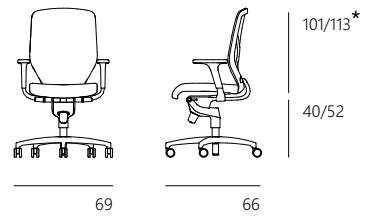
IN. Reference projects. Model 184/7, Object: Lijncom, Melle, Belgium, Photos: Valerie Clarysse, Beeldpunt



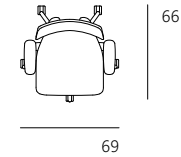
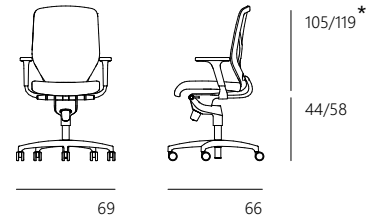
IN. Reference projects. Model 184/7, Object: HRS, Köln, Germany, Photo: HG Esch



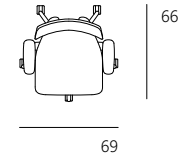
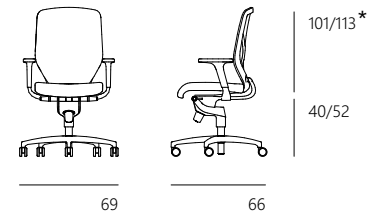
IN. Models and dimensions.



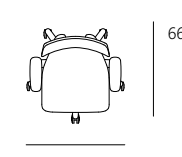
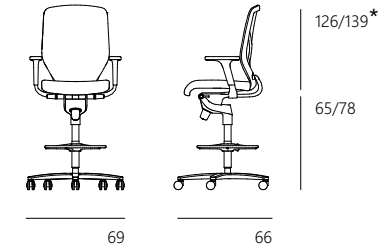
184/7
Task chair



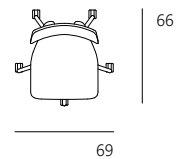
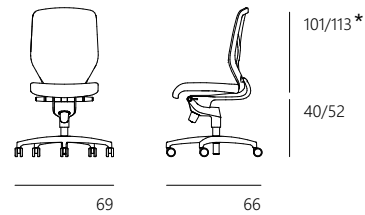
184/72
ESP



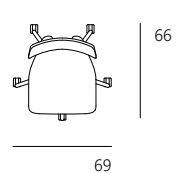
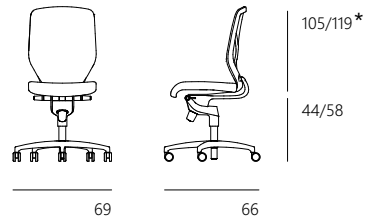
184/8
24-hour chair



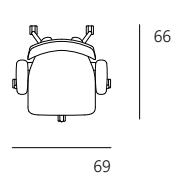
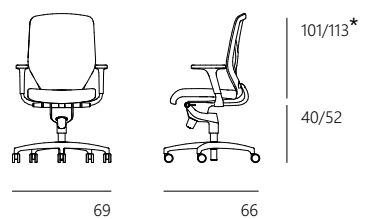
184/1
Counter chair



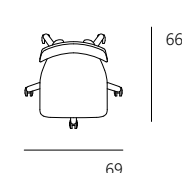
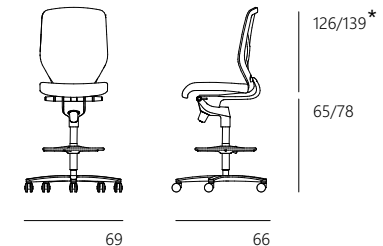
184/7
without armrests



184/72
without armrests



184/8
without armrests



184/1
without armrests

* With a headrest, the total height changes by 15 cm up to 25 cm.

All sizes in cm. Subject to change.

IN. Technical details.

An office task chair with Trimension®, integrated synchronously supporting 3D kinematics which allows the right-hand and left-hand half of the chair to be tilted in any direction via two flexible swing swivel arms. The goal is to encourage the natural range of motion the pelvis is capable of which includes flexing, extending, and moving it sideways to rotating it. The combination of the 3D synchronous adjustment mechanism with a very elastic seat and backrest guarantees the chair adapts automatically to any movement made or posture adopted by the person sitting on it. As a result, the body is supported in any position and maintains its center of gravity.

The counter pressure, which provides support in any direction moved in, is precision adjustable for people weighing from 45 to 140 kg by changing the elasticity. The backrest has optional, height-adjustable lumbar support (in six positions of up to 60 mm).

The backrest and seat can be locked in a neutral sitting position and the 3D forward tilt of 5° activated at the touch of a button to harness the maximum range of motion. Pressing a tab allows precision-adjustable seating height of between 40 and 52 cm via a gas lift compliant with DIN 4550. Seat depth: 43 cm, optionally with seat-depth extension, which can be adjusted while sitting in 4 lockable positions from 40 to 45 cm. (The height of models with elevated sitting positions (ESP) are precision-adjustable between 44 and 58 cm, and the counter chairs between 65 cm and 78 cm).

Frame

Task chairs

Five-star base made of black through-dyed, fiberglass-reinforced polyamide, optionally of die-cast aluminum, color-coated (e.g. white with a textured matte finish), polished or high-luster polished. Twin-wheel swivel casters with load-dependent braking, made of black or white DIN EN12529-compliant polypropylene as the standard version for carpets, optionally with gray tire made of polyurethane for hard flooring. Casters optionally electrically conductive. The gas lift is covered by a telescopic protective tube made of black or white through-dyed polypropylene. Mechanism shell made of die-cast aluminum, with a black or white coating with a textured matte finish with black or white through-dyed polypropylene bellows and thermoplastic elastomer to accommodate the flexibly mounted central spring, knob to adjust the counter pressure made of black or white polyamide (for people weighing from 45 to 140 kg).

Each chair has two swivel arms which can move independently of one another, made of die-cast aluminum, color coated (e.g. white with a textured matte finish), matte polished or high-luster polished, with protective caps made of polypropylene.

Counter stool

Star base from the ON 170 range, with additional height-adjustable, bright chrome-plated foot ring, with lock screw to affix it and twin-wheel swivel casters with load-dependent braking.

24-hour chairs

Always with die-cast aluminum star base, with extra swivel arm supports and high-performance covers. Designed for people weighing up to 150 kg, the models also comply with the British Standard.

IN. Technical details.

Seat-backrest element

Unitary, very elastic, and flexibly suspended seat-backrest element made of high-performance polyamide. Seat shell made of black or white through-dyed polyamide with polypropylene seat upholstery panel.

Ergonomic polyurethane seat cushioning with CFC-free foam, covered in Atlantic fabric, optionally also with ReForm that offers different support zones, in the same material as the backrest cover. Or with fabric covers from the Wilkhahn fabric collection, then with facings sewn-in and deep top stitching lengthwise to create contours as well as side facings in the same material and color. When optional soft padding is chosen, more defined edges because of the higher quantity of foam and all fabric covers with upholstered facings at the side are in the same material and color. ReForm is not available in combination with soft padding.

Optional seat-depth extension, which can be adjusted in 4 lockable positions from 40 to 45 cm. Then standard and soft padding with side facings in Atlantic, color-matched when covered in Atlantic fabric, in black or platinum gray for all other fabrics.

Seat upholstery panel, cushioning and covers are replaceable.

The back section is the frame, optionally with Hytrel® lumbar support (which is retrofittable at any time), comes in black or white to match the seat shell and is adjustable in height by 60 mm in six lockable positions. The back is covered in ReForm which includes different elasticity for flexi-

ble and supporting zones, optional two-ply cover made of ReForm with integrated upholstery foam with different support zones. Colors from the Wilkhahn sample card.

Optional headrest made of through-dyed polyamide, in black or white to match the color of the frame, height can be adjusted by 60 mm in 6 lockable positions, with a 125-degree tilt function, which allows the depth to be adjusted by 50 mm. Upholstered, covered in 37 Atlantic or Evida 58 fabric, color-matched with the backrest cover, or in black.

Headrest not possible when the chair has a clothes hanger.

The headrest can be retrofitted on request.

Armrests

Armrests made of fiberglass-reinforced, black or white through-dyed polyamide. 1D armrests whose height is adjustable in 10 lockable positions by 100 mm, in the case of 3D armrests the armrest pads can also be swiveled 50 mm in depth and by 25 degrees inward and outward, in the case of 4D armrests, each can also be adjusted in width by 25 mm.

Armrest pads are made of black or gray through-dyed polypropylene, optionally made of polyurethane foam.

Can also optionally be supplied without armrests.

Standards

The IN task chairs comply with the type A DIN EN1335 office-chair, ANSI/BIFMA X5.1 and IGR standards.



Please note

If very damp, the elasticity of the ReForm can slightly slacken, but will regain its original shape when it dries.

IN. Environmental product information.

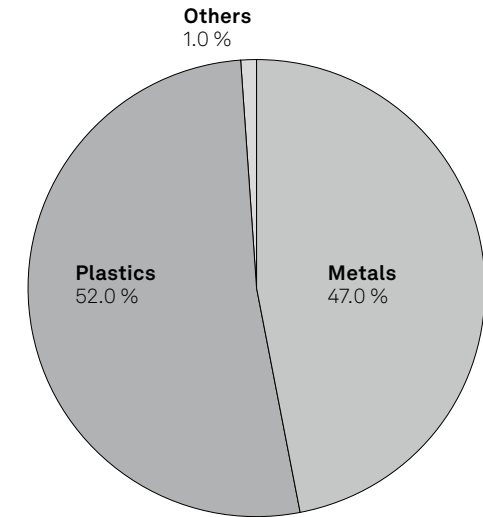


Materials.

Material composition for model IN 184/7 task chair

	[kg]	[%]
Metals	8.10	47.0
Steel	3.00	17.0
Aluminum	5.00	29.0
Plastics	8.90	52.0
Polyester (recycled)	4.20	25.0
Polypropylene (PP)	3.50	20.0
Polyurethane (PUR/TPU)	0.90	5.0
Polyester	0.00	0.0
Others	0.20	1.0
Total weight	17.20	100.0
Recycling proportion	7.60	44.0
Recycling capability	15.80	92.0

Materials are subject to stringent checks. As part of an ABC analysis, the materials are checked to ensure they are environmentally friendly and not harmful to health. Prohibited chemicals are not used in the product at all. All feedstock is listed in a register of hazardous substances. This helps to minimize the use or allow the substitution of any potentially harmful materials.



IN. Environmental product information.

Certificates product/standards



Green Tick
Product
Certification



Blue Tick
Product
Certification

DIN EN 1335 ANSI/BIFMA X5.1

Not all certificates / standards apply to all types.

Company's certificates, memberships




Mitglied der
DGNB
Deutsche Gesellschaft für Nachhaltiges Bauen
German Sustainable Building Council



Wilkhahn and sustainability.



In over 100 years of its corporate history, Wilkhahn can look back on a sustainability philosophy that has grown over decades. Aspects such as durability, social fairness, environmental responsibility and cultural orientation have been evolving as corporate principles since the 1950s. Wilkhahn today is regarded internationally as a model of excellence, not only on account of its products but also because of its modern corporate philosophy. This is because the company realized early on that sustainable design should embrace environmental aspects, improve social relationships and define the cultural role of a company. This approach to the way we do business creates a bond between us and our customers throughout the world. There is surely no more rewarding task than working together for a successful future that is worth living in.

 [Current sustainability report
with environmental statement](#)



For further information please contact us!

Wilkhahn

**Wilkening + Hahne GmbH+Co.KG**

Fritz-Hahne-Str. 8
31848 Bad Münster
Germany
Tel.: +49 5042 999 100
contact@wilkhahn.de
www.wilkhahn.com



Roof of one of the four pavilions,
which were designed by architect
Frei Otto, on the Wilkhahn site.

Photo: Klemens Ortmeyer