

ROVO
GENERATES ENERGY



R22

THE MODULAR
OFFICE CHAIR FOR
ACTIVE SITTING





ROVO R22

ORGANIC. ADAPTABLE. INTUITIVE.
DISCOVER THE NEW R22

The new office chair range R22 impresses with its organic design, ergonomic functionality, and excellent sitting comfort. Its dynamic lines, the striking silhouette and the thought-out equipment and color variants provide inspiration for contract furnishing or home offices.

R22 follows a modular principle and focuses on individual comfort requirements. Users define which mechanisms and components are crucial for their daily office routine, resulting in an office chair that is suitable for the workplace while maintaining a consistent aesthetic.

The design team's task was to develop a chair with a long product life cycle. In addition, the processed materials of the chair should also be able to be further processed afterwards. R22 is thought-out to the smallest detail, ergonomically demanding, and particularly designed for durability.



COMFORT FOR EVERYONE -
REGARDLESS OF BODY HEIGHT:

With the seat depth adjustment of up to 100 mm, the thighs are always perfectly supported. The seat angle is also adjustable for a forward leaning, upright sitting position.

Design **ID A ID**
Sven von Boetticher


reddot winner 2023


GERMAN
DESIGN
AWARD
SPECIAL
2023



FULL BACKREST UPHOLSTERY

With height adjustable lumbar support (optional)

SEAT DEPTH ADJUSTMENT WITH LARGE ADJUSTMENT RANGE (STANDARD)

100 mm adjustable for individual adaptation

HEADREST

Height adjustable

MESH BACK

With height adjustable lumbar support (optional)

SYNCHRO MECHANISM S4

With large opening angle, individual weight adjustment, seat angle adjustment, seat depth adjustment

ERGO BALANCE TECHNOLOGY

With 360° freedom of movement, integrated synchronous mechanism, large opening angle, individual weight adjustment, seat angle adjustment, seat depth adjustment

FUNCTIONAL ARMRESTS

With PU soft pad:

Type R22/7: Height, width and depth adjustable, swivelling

Type R22/11: Height and width adjustable

Type R22/12: Height, width and depth adjustable, swivelling

CASTORS

Three different design lines

LIGHT. MODULAR. ACTIVATING.
CONFIGURE YOUR COMFORT

ROVO R22, the new all-rounder in the office, convinces with new lightness, thanks to a modular design concept. R22 thus sets new impulses for contract furnishings. The variability is shown in the design of the chair back with transparent mesh or with a fully upholstered back.

Design element and visible technology define the seat depth adjustment and lumbar support. It becomes tangible with the different mechanisms: The modular principle includes the S4 synchro mechanism and the ROVO ERGO BALANCE technology for more movement while sitting.

ERGO BALANCE TECHNOLOGY

MOVEMENT WHILE SITTING

STAYING FIT AT THE OFFICE

It is no longer a secret that people are not made for static sitting. In everyday office life, back problems, especially in the shoulder-neck area and in the lumbar spine, are among the most common causes of illness. With ERGO BALANCE, sitting becomes a three dimensional movement experience while providing first class sitting comfort.

The patented technology automatically encourages active movement while sitting and a natural, healthier posture. Therefore, muscles and circulation are stimulated and help to remain awake and fit. Tendons and joints remain active, while the hydration of the intervertebral discs is stimulated, and back pain is effectively prevented.



ACTIVELY PREVENTING BACK PAIN

THE INNOVATIVE 3D-TECHNOLOGY AGAINST MUSCULOSKELETAL DISEASES

ERGO BALANCE provides three dimensional freedom of movement while sitting. From a technical perspective, all ERGO BALANCE chairs use the ERGO BALANCE system with an integrated synchro mechanism and the balance element with different elastomers. These elastomers balance the body's center of gravity in any sitting position. Seat and backrest of the chair is therefore enabled a 360° range of motion. The ERGO BALANCE technology therefore creates an active sitting experience similar to sitting on an exercise ball, but with guided, measured movements and secure support.

- Encourages a variety of sitting postures
- Activates back muscles
- Relieves spine and intervertebral discs
- Promotes elasticity of the intervertebral discs
- Stimulates blood flow and metabolism
- Guided seat dynamics provide optimal support in all directions



ERGO BALANCE NEXT
ERGO BALANCE NEXT is an additional mechanism variant enabling to switch between dynamic synchronous technology or back active 3D sitting. Therefore, the ERGO BALANCE technology can be switched on or off with a quarter turn of the adjustment ring.



The ERGO BALANCE system is recommended by the Institute for Health and Ergonomics (IGR).





R22

THE DESIGN LINE FOR MULTIPLE OPTIONS CUSTOMIZE YOUR WORKSPACE

Regardless of the environment in which the office chair is located, R22 is always adjusted to individual requirements.

Therefore, all furnishings are possible with a consistent design language and first class ergonomics.



6040 S4

- Mesh back
- Lumbar support
- Comfort synchro mechanism
- Multifunctional armrests type R22/11 with PU soft padding



6040 EB

- Swivel chair with high backrest
- Mesh back
- Comfort synchro mechanism with ERGO BALANCE technology
- Multifunctional armrests type R22/7 with PU soft padding



6050 S4

- Mesh back with headrest
- Lumbar support
- Comfort synchro mechanism
- Multifunctional armrests type R22/11 with PU soft padding

◀ LEFT SIDE

6040 EB

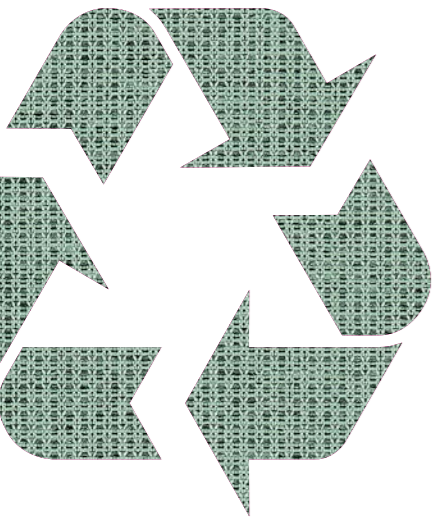
- Full back padding
- Comfort synchro mechanism with ERGO BALANCE technology
- Multifunctional armrests type R22/7 with PU soft padding

6040 S4

- Mesh back
- Lumbar support
- Comfort synchro mechanism
- Armrests height adjustable type R22/11 with PU soft padding

6040 S4

- Mesh back
- Comfort synchro mechanism
- Multifunctional armrests type R22/11 with PU soft padding



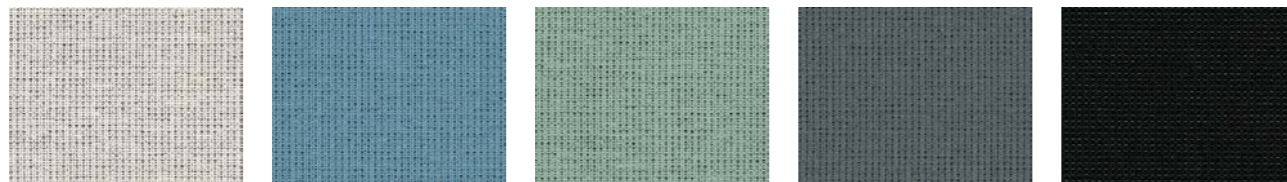
R22

DESIGNED FOR ENVIRONMENTAL SUSTAINABILITY

The material composition of the office chair model R22 convinces with a high recycling rate and very good recyclability. Its components are made up of 55% recycled materials, including the base, seat support, seat cushion plate, back frame, and back rest panel.

The fabric is composed of 99% recycled polyester. At the end of its life cycle, 90% of the chair can be recycled. All equipment details can be accentuated in different colors in order to set accents with seat upholstery, full backrest upholstery or mesh backrest, lordosis and headrest.

Mesh back and front full back padding



3-04 white grey 3-05 light blue 3-06 green 3-07 anthracite 3-08 black

Seat and backrest full upholstery



3-35 beige 3-36 blue 3-37 orange 3-38 anthracite 3-39 black



FABRICS MADE FROM PET BOTTLES

The two-tone polyester fabric is made from 99% recycled PET bottles, which conserves resources and requires less energy, resulting in fewer CO₂ emissions. The matte, slightly irregular looking texture, imitates the aesthetics of natural fibers and stands for a natural look.

99% recycled polyester / 1% polyester
100.000 abrasion cycles,
6-8 Light fastness, 4-5 (dry), 4-5 (wet),
Rub fastness, EN 1021
-1/-2 Fire protection
Oeko-Tex Standard 100

Fabric and net **99%** made from recycled polyester

Total chair **90%** recyclable

Components **55%** from recycled material



ENVIRONMENT MANAGEMENT

THOUGHT AND ACTED RESPONSIBLY

An environment-friendly production has always been part of ROVO's corporate philosophy. Minimizing energy consumption, waste generation, and environmental impact at all stages of product development is a continuous process within the company. The integrated environmental management system is audited annually by independent institutes.

Environmental processes are an integral part of the company's policy and are constantly being further developed. Included in these processes are the selection of our suppliers and their corresponding requirements. Changes and innovations in environmental legislation are directly incorporated and implemented.



ROVO products are designed to optimize production and disposal in an environment-friendly manner. For example, the chair series are made of pollutant free materials and to a large extent from recycled materials. Disassembly of the chairs is possible in a short time and there are no special tools required. Wear parts are also replaceable, which extends the life cycles of the chairs.

The long-term supply of spare parts helps to conserve resources and minimize energy consumption. For our high quality and durable products, we as a manufacturer can provide a long warranty period.

ROVO chairs are delivered partially assembled and no additional tools are required for assembly in order to save packaging volume, transport costs and CO₂ emissions.



ROVO has been certified since 1994 and has a quality management system according to DIN ISO 9001. The environmental certification according to DIN ISO 14001 followed in 2007.

Packaging

ROVO's product packaging consists of more than 95% recycled paper. Styrofoam or colorful plastics are completely avoided.

Paper and cartons that are used in the ROVO production are directly compressed into industrial bales and stored. Due to the switch from a loose collection of the paper produced to compressed paper bales, we can report the following savings:

- No energy requirement for the shredding of cardboard packaging
- CO₂ savings due to fewer truck transportations
- Material compaction of 90%, thus no unnecessary transport volume
- No intermediate collection points and thus no further loading/transportation

Energy Management

As part of continuous improvement, we have further reduced energy consumption. Extensive measures were initiated in the area of compressed air supply and heating system. In 2022, almost 400,000 kWh of gas and approximately 40,000 kWh of electricity were saved compared to the previous year.

Conversion to LED lighting

In 2022, almost 3,500 m² of production space were converted to LED lighting. Therefore, the energy savings for production lighting is approximately 80% at the modernized area.

Solar Power

In 2022, the photovoltaic system with 354 kWp capacity was installed on the roof of the production hall. 876 modules cover up to 70% of the production electricity demand.

The plant has been on the grid since February 2023.





**THE MODULAR DESIGN INSPIRES
INDIVIDUAL FURNISHING IDEAS**

ROVO

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