

# STUA

## GAS CHAIR TECHNICAL DETAILS



### DESIGN

There are four types of Gas chair:

- the four-legged sidechair.
- the four-legged armchair.
- the star-based, self-return chair.
- the star-based swivel chair on castors.

All Gas chairs are for indoor use.

### STACKING

The fixed chairs are always stackable. On the floor:

- Polypropylene: 8 units
- Upholstered: 5 units

The fixed upholstered chairs have additional piece underneath the seat to avoid damage when stacking.

### FEET

The fixed chairs are provided with two kinds of glides:

- plastic for carpet or rugs.
- felt for delicate wood floors.

The colour of the feet match the colour of the frame.

### SELF RETURN

The self-return chair always incorporates arms and is of a fixed height.

The stem has a self-return system, which returns the chair to its original position. This is ideal for keeping the room tidy.

### TASK CHAIR

The task swivel chair is equipped with castors and the height is adjustable.

The castors (Ø65 mm) are made of soft rubber to avoid damage to the floor and they incorporate a brake to prevent accidents when sitting down.

The mobility of the chair makes it ideal for work.

### DESIGN

Hay 4 tipologías de silla Gas:

- fija de 4 patas
- fija de 4 patas con brazos
- pivotante con base de estrella fija y auto-retorno
- giratoria con base de estrella y ruedas

Todas son para uso interior.

### APILADO

Las sillas fijas, con y sin brazos, son apilables. Sobre el suelo:

- En plástico: 8 unidades
- Tapizadas: 5 unidades.

Las sillas fijas tapizadas tienen una pieza de plástico adicional por debajo para evitar marcas al apilar.

### TACOS

Las sillas fijas pueden elegirse con tacos:

- de plástico para moquetas
- de fieltro para suelos madera o delicados

El color de los tacos combina con la estructura.

### AUTO RETORNO

La silla auto-retorno con tacos es pivotante, siempre incorpora brazos y tiene altura fija.

Su cilindro con memoria hace que la silla vuelva a su posición original.

Ideal para mantener la silla siempre alineada.

### CON RUEDAS

La silla giratoria con ruedas siempre incorpora brazos y es regulable en altura.

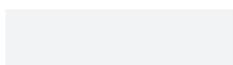
Las ruedas, de Ø65 mm son de goma blanda para no dañar el suelo, y tienen autofreno que evita accidentes al sentarse.

Es una silla de trabajo ideal.

### FRAME ESTRUCTURA



Aluminium: shiny chromed  
Aluminio: cromado brillo

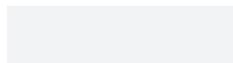


White shiny powder-coated  
Blanco brillo, lacado en polvo



Black matt powder-coated  
Negro mate, lacado en polvo

### POLYPROPYLENE SEAT AND BACK ASIENTO DE POLIPROPILENO



Opaque white  
Blanco opaco



Taupe  
Visón



Black  
Negro

### MESH BACK RESPALDO DE RED



Black  
Negro

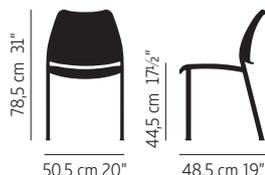


White  
Blanco

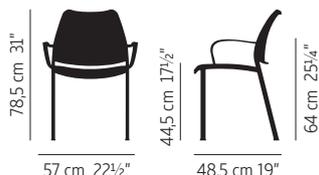
### UPHOLSTERIES TAPIZADOS



[stua.com/design/gas](http://stua.com/design/gas)  
[stua.com/es/design/gas](http://stua.com/es/design/gas)



Sidechair / Sin brazos



Armchair / Con brazos



Self-return chair / Silla auto-retorno



Task chair / Silla con ruedas

Polypropylene / Polipropileno 3,9 kg  
Polyprop. and mesh / Polipropileno y red 3,5 kg  
Upholstered / Tapizada 4,8 kg  
Upholstered and mesh / Tapizada y red 4,1 kg

4,5 kg  
4,1 kg  
5,4 kg  
4,7 kg

6,3 kg  
5,9 kg  
7,2 kg  
6,5 kg

7,8 kg  
7,4 kg  
8,7 kg  
8,0 kg

IN-STOCK Gas: [www.stua.com/in-stock](http://www.stua.com/in-stock)

## SUSTAINABLE DESIGNS

Within STUA's strategy, both, the quality of products and the preservation of the environment in our production processes, are a priority.

Over the years STUA has been implicated to the search for environmentally friendly raw materials, processes, products and packaging.

Among many others, we can highlight the following characteristics and actions:

- To design long lasting and good quality products.
- To reduce the consumption of raw materials.
- To use recycling materials.
- To use production systems which are environmentally friendly.

The achievement of these aims will contribute to a real sustainable development.

Our products hold the main European certificates and comply with demanding German standards as regards product resistance and ergonomics. At STUA we also care for people's health.

## ENVIRONMENTALLY FRIENDLY PACKAGING

- In the pursuit of an environmentally friendly packing, STUA is removing all the plastic from this process.
- All STUA cardboard packaging is made with recycled materials and is 100% recyclable because no staples are used in the production.
- Our remaining packaging plastics contain no halogen.

## LOGISTICS MINIMIZING CARBON FOOTPRINT

- STUA choose the eco-friendliest transportation method available.
- We select logistic partners who use environmentally-friendly technologies for their vehicles/engines and are located close to the factory where our products are manufactured in order to reduce the emission release.
- Load Optimization. We try to send a truck only when it is fully loaded.
- Route Optimization. By choosing the best route, it is possible to save fuel and, consequently, reduce the amount of CO<sub>2</sub> emissions.

## RESPONSIBLE MANUFACTURING

- This product is totally manufactured in the European Union.
- The STUA designs are created for a long duration. This helps to make a friendly use of the natural resources. We offer a 2-year guarantee on all the STUA products. STUA guarantees a period of availability of spare parts of 10 years for any product.
- The wood used to manufacture our designs comes from sustainably managed forests registered with the PEFC (Programme for the Endorsement of Forest Certification).
- The MDF material and glues used in the production are formaldehyde free. STUA products use materials that comply with M1 and the California Air Resources Board ACTM 93120.2.
- STUA's fabrics comply with the strict ISO 14001 international environmental regulations regarding its products and its manufacturing processes.
- STUA's upholstery is fire-resistant but avoids the use of harmful retardants like PBB and PBDE.
- The foams used by STUA complies the most exhaustive ecological textile certificate: the OEKO-TEX STANDARD 100. The analyses include prohibited and regulated substances, chemicals considered dangerous to health, and preventive parameters.
- The treatment of metal parts for their subsequent painting, with powder paint or chromed, is the one corresponding to a degreasing and phosphating of the same. No aromatic solvents are used and no diffuse emissions of volatile organic compounds are generated.
- STUA's chrome plating process uses a trivalent chromium bath to replace the highly-toxic hexavalent chromium bath. The trivalent chromium process must produce hard chrome components that perform as well as or better than the older process. Other additional advantages involved in this process:
  - It is not necessary to reduce hexavalent chromium in wastewater.
  - It makes it easier to handle and use the product.
  - No gas emissions are produced.
- The recyclability of the metallic materials used by STUA reaches 97%.
- Our plastic elements are excluded from heavy metals and phthalats in their manufacture, as well as halogenated plastics such as PVC.
- STUA promotes processes with low water consumption. In the last 5 years, we have achieved a 31% saving in drinking water consumption by implementing saving processes.



USE OF WOOD FROM SUSTAINABLY MANAGED FORESTS



ECOLOGICAL UPHOLSTERY WITHOUT PBB & PBDE



FOAMS FIRE RETARDANT & FREE OF TOXIC SUBSTANCES



FORMALDEHYDE FREE PRODUCTS



HEXAVALENT CHROMIUM-FREE FINISHES



PROCESSES WITH LOW WATER CONSUMPTION



RECYCLABLE MATERIALS AND PACKAGING



CERTIFICATED FOR POSTURAL HEALTH