esPattio

TECHNICAL FEATURES

BOW CHAIR

By Studio Yonoh

Armchairs

Shell

Backrest with or without armrests, with an internal structure made of polypropylene frame reinforced with glass fiber and a 50% post-industrial recycled PP content. The assembly is enveloped by high-density 3.87 lb/ft³ injected foam, upholstered, with variable thickness in the seat area reaching a maximum of 4.9 inches.

Optional structures

- **4 wooden legs**: fixed structure with 4 legs made of varnished or lacquered beech wood. Each leg tappers from 1.6" inches to 1.2" inches at the foot. Bolt-on glides manufactured in black polyethylene with grey anti-slip are then added.
- **4 conical metal legs**: fixed structure with 4 legs made of threaded steel. Diameter of 0.7" inch in the lower part and 1.2" inches in the upper part of each leg. Black glides in low density polythene (PELD) are added.
- **Sled base:** Ø 0.5" inch curved sled structure.
- **Flat base:** polished aluminium flat base with 4 polypropylene glides. Rectangular section arms. 27.6" inches diameter base.
- **Pyramidal wooden Legs**: crew-in swivel structure made of steel and covered with a varnished beech wooden case of 28.3" x 28.3" x h:15.4" inches. Plus polypropylene levelers.
- **4 spoke base:** Four-spoke swivel base made of die-cast aluminum with a conical shape, Ø27.6 inches and H: 12.1 inches in the version with levelers and 9.0 inches in the version with casters.

Packaging

The armchairs is delivered packed in an individual box that protects it during transport. The cardboard used in this box is 100% recyclable.

Certificate

Our products are designed, manufactured and distributed according to current regulations and organizational standards.

►Information

5-year warranty

►Warranty terms and conditions

Maintenance and cleaning of products

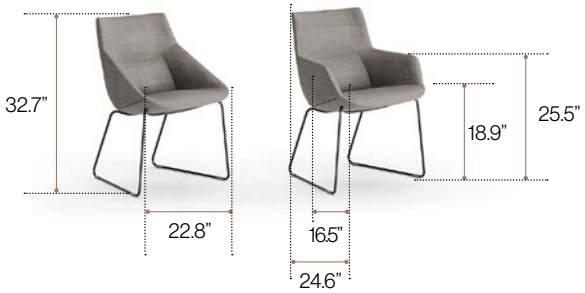
esPattio provides recommendations to the user so that their products always look new and in excellent condition.
As a general rule, we recommend the use of environmentally friendly cleaning agents. Please follow the cleaning product manufacturer's instructions.

►Information

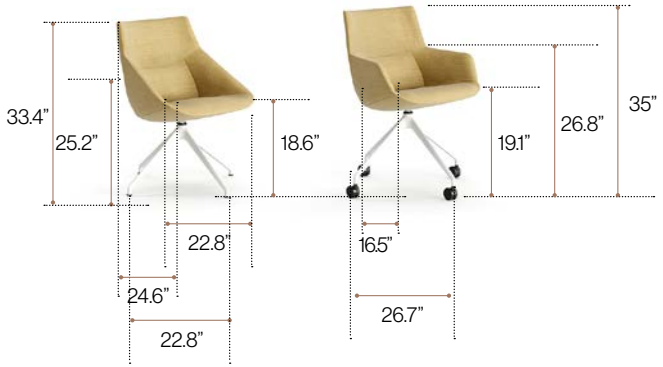
Dimensions

4 legs

Sled structure



4 spoke pyramidal aluminium legs



Pyramidal wooden legs

Aluminium flat legs

Width: 22.8” inches
Depth: 24.6” inches
Seat depth: 16.5” inches

These dimensions are similar for the whole product, regardless of the chosen base.

Pata/Base	**Without arms**			**With arms**		
	lbs		☐	lbs		☐
4 wooden base	28-22 lbs	7.4 ft³	1	32-26 lbs	7.4 ft³	1
Pyramidal wooden base	39- 33 lbs	7.9 ft³	1	73-37 lbs	7.9 ft³	1
Aluminium flat base	32-27 lbs	7.9 ft³	1	36-31 lbs	7.9 ft³	1
4 conical metal legs	47-41 lbs	7.9 ft³	1	52-46 lbs	7.9 ft³	1
Sled structure	30-24 lbs	7.9 ft³	1	34-28 lbs	7.9 ft³	1
4 spoke pyramidal aluminium base	32-27 lbs	7.9 ft³	1	36-31 lbs	7.9 ft³	1
Linear meters		1.6 yd			1.6 yd	

Life cycle analysis

SBSC2

Raw Materials	lbs	%
Steel	**6.08**	**28**
Upholsteries / Filling materials	**7.65**	**35.6**
Plastics	**7.74**	**36.4**

% Recycled Mat.= 32%

% Recyclable Mat.= 64%

Ecodesign

Results reached during the life cycle stages

Materials

- Steel: 15%-99% recycled material.
- Wood: 70% of the wood material is recycled, has PEFC/FSC and complies within the E1 standard.
- Plastic: 30%-40% recycled material.
- Podwer painting without COV emissions.
- Staff material without HCFC and certified by Okotext.
- Upholsteries without COV emissions and certified by Okotext.
- Packings: 100% recyclable with inks with no solvents..

Production

- Raw materials use optimization. Board, upholstery and steel tubes cut.
- Renewable energies use, reducing the CO2 emissions (Photovoltaic pannels).
- Energy saving measures in all production process.
- COV global emission reduction of the production processes by 70%.
- Podwer painting recovery of 93% of the non deposited painting.
- Glue removal from the upholstery.
- The facilities have an internal sewage for liquid waste.
- Green points at the factory.
- 100% waste recycling at production process ans dangerous waste special treatment.

Transporte

- Cardboard use opmitization of the packings.
- Cardboard and packing materials use reduction.
- Flat packings and small bulks to optimize the space.
- Solid waste compacter which reduces transport and emissions.
- Light volumes and weights.
- Transport fleet renewal reducing by 28% the fuel consumption.
- Suppliers area reduction. Local market power and less pollution at transport.

Use

- Easy maintenance and cleaning without solvents.
- esPattio guarantee.
- The highest quality for materials to provide a 10 year average life of the product.
- Useful life optimization of the product due to a standarized and modular design.
- The boards with no E1 particle emission.

End life

- Easy unpacking for the recyclability or compound reuse.
- Piece standarization for the use.
- Recycled materials used for products (% recyclability):
- Aluminium is 100% recyclable. Steel is 100% recyclable. Wood is 100% recyclable. Plastics are from 70 to 100% recyclable.
- With no air or water pollution while removing waste.
- Returnable, recyclable and reusable packing.

Maintenance and cleaning guide

Lines for a correct cleaning and maintenance considering the different materials:

Fabrics

① Vacuum often.

② Rub the dirty spot with a wet cloth with PH neutral soap.
Test first on a hidden spot.

③ Dry foam for carpets can be alternativaly used.

Metal pieces

① Rub the dirty spot with a wet cloth with PH neutral soap.
Test first on a hidden spot.

② Polished aluminum parts can be restored with polish on a dry cotton cloth to restore their initial gloss conditions.

Wooden - melamine pieces

① Rub the dirty spot with a wet cloth with PH neutral soap.
Test first on a hidden spot.

② Do not use abrasive products under any circumstances.

Plastic pieces

① Rub the dirty spot with a wet cloth with PH neutral soap.
Test first on a hidden spot.

② Do not use abrasive products under any circumstances.