



Bernù Poly

Specifications

Designer
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OVERVIEW



- Central beam mounted seating that offers:
 - An innovative aeronautical statement in design
 - Exceptional seating comfort
 - A durable structure in function
 - Ergonomically contoured to Dreyfuss Scale Ergonomic Standards for notable comfort and support during long waiting periods.
 - Bernù Poly offers single straight (2-5 seats) or curved (concave 4 seat or convex 5 seat) units. They can be configured as back-to-back straight or curved units. The design is based on a modular approach that enables designers and end users to achieve a wide variety of configurations with a limited number of parts. The unit is supported by a central beam on which all the other elements are fixed using a unique "pin" system. A 21" table can replace any seat
- All castings are offered in satin aluminum finish with bright accents. All painted parts are in environmentally friendly electro-statically applied powder coating.
- Bernù Poly has passed all required ANSI - BIFMA tests for Lounge Seating units.

CONSTRUCTION DETAILS



Supporting Beam

- The supporting beam is made from a robust 3" x 1 1/2" (76mm x 38mm) rectangular aluminum extrusion with 3/16" (4.8mm) thick walls. The extrusion design includes two internal webs to maintain the rectangular shape when forming the curved versions of the beams. The beams are heat treated to T5 temper for maximum strength.



Legs

- Legs are cast in aluminum, to the specification listed below, and fixed to the beam with a 3/4" (19mm) diameter steel pin. All legs have adjustable leveling glides. Optional anti-slide glides for hard floors and glides for floor mounting are also available.



Seat and Back Supports

- Bernù Poly seats and backs are supported by cast aluminum brackets fixed to the beam by 3/4" (19 mm) diameter steel pins.
- The Bernù Poly seats and backs are made from self-skinning polyurethane foam moulded over a steel frame and have a flammability rating of Cal 133. No additional finish or upholstery is required. All seats and backs follow the same ergonomic curves of the very comfortable Bernù seating.
- As a standard, the seats and backs are supplied in the colors of Black, Grey and Blue.

Arms

- The four arm designs are of cast aluminum to the specifications listed below. They are fixed to the beam using 3/4" (19mm) diameter steel pins.
- The loop arm has a sculpted aerodynamic shape enclosing an open loop. All surfaces are satin polished with bright accents.
- The cantilever arm sweeps up from the beam to form a thin horizontal armrest. All surfaces are satin polished with bright accents. The cantilever arm is capped with a dense polyurethane foam arm pad, or can be ordered as an all-aluminum casting without the optional polyurethane foam pads.
- As an added option, the cantilever arm can also be ordered with a fully integrated stainless steel cup holder. The full integration provides fluid look to the cup holder arm's design.

Tables

- Tables are of 3/4" (20 mm) particle board with plastic laminate or 3/4" (20 mm) plastic based solid surface with special embedded nuts for easy assembly. Tables are 21" wide at a height of 18" (460mm). Tables can replace a seat in any position
- Similar 9" wide tables are also provided for the center of 4 seat concave units.

Assembly

- Units are shipped knocked-down (KD) and accompanied by detailed assembly instructions for easy assembly in the field.

Finish

- Aluminum Castings – Satin with bright highlights Aluminum Extrusions – Clear anodized
- Steel Parts – Powder coating
- Polyurethane Foam - None



Aluminum

- All aluminum alloy castings exhibit the following minimum properties
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- Tensile Strength: 37,000 PSI
- Yield Strength 26,000 PSI
- Elongation: 5.0%
- Brinell Hardness 70 (500 kg load 10 mm ball)

Self Skinning Polyurethane

- The self-skinning polyurethane foam is reactively formed and is environmentally tested to RoHS directives. It exhibits the following ratings:

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- Durometer 70/80 Shore A
- Density 15-30 lbs/cu.ft
- Tear Strength 50 PPI
- Tensile Strength 200 PSI
- Flammability CAL117/CAL133
- UV Exposure ASTM D1148a and ISO 105-A02 (PASS)
- Antimicrobial ISO 22196-2007 (PASS)

PRODUCT CONFIGURATIONS

- Depth of single units	28 3/8" (720 mm)
- Depth of curved units	33" (840 mm)
- Depth of back-to-back units	59 1/8" (1500 mm)
- Height of units	33 1/16" (840 mm)
- Height of seat	17 1/4" (440 mm)
- Width of two seat units	48 3/4" (1240 mm)
- Width of three seat units	71 3/4" (1820 mm)
- Width of four seat units	94 3/4" (2410 mm)
- Width of four curved seat units	105" (2680 mm)
- Width of five seat units	117 3/4" (3000 mm)
- Width of five curved seat units	119 1/4" (3030 mm)